

Cover Page

Order ID : P5112

Project ID : 10th Street & 2nd Avenue

Client : Tully Construction Co., Inc.

Lab Sample Number

P5112-01
P5112-02

Client Sample Number

10TH-ST-SOIL
10TH-ST-SOIL

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5112

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 12/12/2024

LAB CHRONICLE

OrderID:	P5112	OrderDate:	12/5/2024 10:43:00 AM
Client:	Tully Construction Co., Inc.	Project:	10th Street & 2nd Avenue
Contact:	Dean Devoe	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5112-01	10TH-ST-SOIL	SOIL	SVOC-PAH	8270E	12/05/24	12/06/24	12/06/24	12/05/24
P5112-01DL	10TH-ST-SOILDL	SOIL	SVOC-PAH	8270E	12/05/24	12/06/24	12/10/24	12/05/24

Hit Summary Sheet SW-846

SDG No.: P5112

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 10TH-ST-SOIL								
P5112-01	10TH-ST-SOIL	SOIL	Naphthalene	0.160	J	0.090	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Acenaphthylene	0.140	J	0.095	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Acenaphthene	0.410		0.089	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Fluorene	0.400		0.093	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Phenanthrene	4.500	E	0.092	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Anthracene	1.100		0.092	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Fluoranthene	5.500	E	0.089	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Pyrene	3.400	E	0.091	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Benzo(a)anthracene	2.700		0.088	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Chrysene	2.200		0.087	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Benzo(b)fluoranthene	2.600		0.089	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Benzo(k)fluoranthene	1.300		0.090	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Benzo(a)pyrene	2.300		0.10	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Indeno(1,2,3-cd)pyrene	0.800		0.085	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Dibenzo(a,h)anthracene	0.250		0.089	0.19	mg/Kg
P5112-01	10TH-ST-SOIL	SOIL	Benzo(g,h,i)perylene	0.860		0.088	0.19	mg/Kg
Total Svoc :						28.62		
Total Concentration:						28.62		
Client ID : 10TH-ST-SOILDL								
P5112-01DL	10TH-ST-SOILDL	SOIL	Phenanthrene	4.600	D	0.46	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Anthracene	1.100	D	0.46	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Fluoranthene	6.000	D	0.45	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Pyrene	3.700	D	0.45	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Benzo(a)anthracene	2.500	D	0.44	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Chrysene	2.100	D	0.43	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Benzo(b)fluoranthene	2.800	D	0.44	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Benzo(k)fluoranthene	1.000	D	0.45	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Benzo(a)pyrene	2.200	D	0.51	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Indeno(1,2,3-cd)pyrene	0.860	JD	0.43	0.93	mg/Kg
P5112-01DL	10TH-ST-SOILDL	SOIL	Benzo(g,h,i)perylene	1.000	D	0.44	0.93	mg/Kg
Total Svoc :						27.86		
Total Concentration:						27.86		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P5112-01	10TH-ST-SOIL	Nitrobenzene-d5	100	97.0	97		18	107
		2-Fluorobiphenyl	100	104	104		20	109
		Terphenyl-d14	100	78.3	78		10	105
P5112-01DL	10TH-ST-SOILDL	Nitrobenzene-d5	100	94.4	94		18	107
		2-Fluorobiphenyl	100	108	108		20	109
		Terphenyl-d14	100	81.9	82		10	105
P5112-01MS	10TH-ST-SOILMS	Nitrobenzene-d5	100	79.0	79		18	107
		2-Fluorobiphenyl	100	84.0	84		20	109
		Terphenyl-d14	100	67.0	67		10	105
P5112-01MSD	10TH-ST-SOILMSD	Nitrobenzene-d5	100	80.2	80		18	107
		2-Fluorobiphenyl	100	85.6	86		20	109
		Terphenyl-d14	100	66.1	66		10	105
PB165423BL	PB165423BL	Nitrobenzene-d5	100	92.7	93		18	107
		2-Fluorobiphenyl	100	97.3	97		20	109
		Terphenyl-d14	100	82.4	82		10	105
PB165423BS	PB165423BS	Nitrobenzene-d5	100	92.3	92		18	107
		2-Fluorobiphenyl	100	95.9	96		20	109
		Terphenyl-d14	100	96.0	96		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5112-01MS		Client Sample ID: 10TH-ST-SOILMS		DataFile: BF140780.D							
Naphthalene	1800	160	2000	ug/Kg	102				72	110	
Acenaphthylene	1800	140	2100	ug/Kg	109				79	118	
Acenaphthene	1800	410	2200	ug/Kg	99				70	121	
Fluorene	1800	400	2100	ug/Kg	94				68	116	
Phenanthrene	1800	4500	5300	ug/Kg	44	*			52	128	
Anthracene	1800	1100	2900	ug/Kg	100				62	124	
Fluoranthene	1800	5500	5700	ug/Kg	11	*			44	125	
Pyrene	1800	3400	4300	ug/Kg	50				26	142	
Benzo(a)anthracene	1800	2700	4200	ug/Kg	83				71	114	
Chrysene	1800	2200	3600	ug/Kg	78				57	121	
Benzo(b)fluoranthene	1800	2600	4300	ug/Kg	94				67	121	
Benzo(k)fluoranthene	1800	1300	2900	ug/Kg	89				57	134	
Benzo(a)pyrene	1800	2300	3800	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1800	800	2200	ug/Kg	78				40	129	
Dibenz(a,h)anthracene	1800	250	1700	ug/Kg	81				43	123	
Benzo(g,h,i)perylene	1800	860	2100	ug/Kg	69				24	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P5112-01MSD	Client Sample ID:	10TH-ST-SOILMSD					DataFile:	BF140781.D		
Naphthalene	1800	160	2000	ug/Kg	102		0		72	110	20
Acenaphthylene	1800	140	2100	ug/Kg	109		0		79	118	20
Acenaphthene	1800	410	2200	ug/Kg	99		0		70	121	20
Fluorene	1800	400	2100	ug/Kg	94		0		68	116	20
Phenanthrene	1800	4500	5400	ug/Kg	50	*	13		52	128	20
Anthracene	1800	1100	2900	ug/Kg	100		0		62	124	20
Fluoranthene	1800	5500	6100	ug/Kg	33	*	100	*	44	125	20
Pyrene	1800	3400	4200	ug/Kg	44		13		26	142	20
Benzo(a)anthracene	1800	2700	4100	ug/Kg	78		6		71	114	20
Chrysene	1800	2200	3700	ug/Kg	83		6		57	121	20
Benzo(b)fluoranthene	1800	2600	4300	ug/Kg	94		0		67	121	20
Benzo(k)fluoranthene	1800	1300	2900	ug/Kg	89		0		57	134	20
Benzo(a)pyrene	1800	2300	3800	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1800	800	2300	ug/Kg	83		6		40	129	20
Dibenz(a,h)anthracene	1800	250	1800	ug/Kg	86		6		43	123	20
Benzo(g,h,i)perylene	1800	860	2200	ug/Kg	74		7		24	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5112

Client: Tully Construction Co., Inc.

Analytical Method: 8270E DataFile: BF140762.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165423BS	Naphthalene	1700	1500	ug/Kg	88				62	100	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Fluoranthene	1700	1700	ug/Kg	100				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165423BL

Lab Name: CHEMTECH

Contract: TULL02

Lab Code: CHEM Case No.: P5112

SAS No.: P5112 SDG NO.: P5112

Lab File ID: BF140761.D

Lab Sample ID: PB165423BL

Instrument ID: BNA_F

Date Extracted: 12/06/2024

Matrix: (soil/water) SOIL

Date Analyzed: 12/06/2024

Level: (low/med) LOW

Time Analyzed: 12:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165423BS	PB165423BS	BF140762.D	12/06/2024
10TH-ST-SOILMSD	P5112-01MSD	BF140781.D	12/06/2024
10TH-ST-SOIL	P5112-01	BF140779.D	12/06/2024
10TH-ST-SOILMS	P5112-01MS	BF140780.D	12/06/2024

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TULL02Lab Code: CHEMSAS No.: P5112 SDG NO.: P5112Lab File ID: BF140526.DDFTPP Injection Date: 11/21/2024Instrument ID: BNA_FDFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
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	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (18.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TULL02Lab Code: CHEMSAS No.: P5112 SDG NO.: P5112Lab File ID: BF140759.DDFTPP Injection Date: 12/06/2024Instrument ID: BNA_FDFTPP Injection Time: 11:41

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	0.6 (1.7) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.7
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	6.5
275	10.0 - 60.0% of mass 198	28.8
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140760.D	12/06/2024	12:08
PB165423BL	PB165423BL	BF140761.D	12/06/2024	12:51
PB165423BS	PB165423BS	BF140762.D	12/06/2024	13:16
10TH-ST-SOIL	P5112-01	BF140779.D	12/06/2024	20:44
10TH-ST-SOILMS	P5112-01MS	BF140780.D	12/06/2024	21:10
10TH-ST-SOILMSD	P5112-01MSD	BF140781.D	12/06/2024	21:36



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TULL02Lab Code: CHEMSAS No.: P5112 SDG NO.: P5112Lab File ID: BF140794.DDFTPP Injection Date: 12/10/2024Instrument ID: BNA_FDFTPP Injection Time: 09:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 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
SSTDCCC040	SSTDCCC040	BF140795.D	12/10/2024	10:05
10TH-ST-SOILDL	P5112-01DL	BF140803.D	12/10/2024	13:39

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/06/2024

Lab File ID: BF140760.D Time Analyzed: 12:08

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	95022	6.875	350541	8.16	200131	9.91
UPPER LIMIT	190044	7.375	701082	8.657	400262	10.41
LOWER LIMIT	47511	6.375	175271	7.657	100066	9.41
EPA SAMPLE NO.						
01 10TH-ST-SOIL	61702	6.87	221938	8.15	107610	9.90
02 10TH-ST-SOILMS	69805	6.87	258221	8.15	131159	9.90
03 10TH-ST-SOILMSD	70323	6.87	252197	8.15	122922	9.90
04 PB165423BL	74703	6.87	285610	8.15	164143	9.91
05 PB165423BS	87714	6.87	336659	8.15	192900	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/06/2024

Lab File ID: BF140760.D Time Analyzed: 12:08

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	378576	11.404	226669	14.057	194773	15.557
UPPER LIMIT	757152	11.904	453338	14.557	389546	16.057
LOWER LIMIT	189288	10.904	113335	13.557	97386.5	15.057
EPA SAMPLE NO.						
01 10TH-ST-SOIL	161573 *	11.40	131775	14.05	112962	15.56
02 10TH-ST-SOILMS	206862	11.40	144601	14.06	118347	15.56
03 10TH-ST-SOILMSD	192178	11.40	146775	14.06	115742	15.56
04 PB165423BL	333073	11.40	265116	14.06	224020	15.57
05 PB165423BS	363576	11.40	240000	14.06	193248	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/10/2024

Lab File ID: BF140795.D Time Analyzed: 10:05

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	109804	6.863	416335	8.15	236601	9.90
UPPER LIMIT	219608	7.363	832670	8.645	473202	10.404
LOWER LIMIT	54902	6.363	208168	7.645	118301	9.404
EPA SAMPLE NO.						
01 10TH-ST-SOILDL	68741	6.86	236146	8.15	108860 *	9.90

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG NO.: P5112

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/10/2024

Lab File ID: BF140795.D Time Analyzed: 10:05

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	435620	11.398	252154	14.051	232565	15.551
UPPER LIMIT	871240	11.898	504308	14.551	465130	16.051
LOWER LIMIT	217810	10.898	126077	13.551	116283	15.051
EPA SAMPLE NO.						
01 10TH-ST-SOILDL	190136 *	11.39	160012	14.05	109017 *	15.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOIL	SDG No.:	P5112
Lab Sample ID:	P5112-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.04 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
BF140779.D	1	12/06/24 08:55	12/06/24 20:44	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.16	J	0.090	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	J	0.095	0.19	mg/Kg
83-32-9	Acenaphthene	0.41		0.089	0.19	mg/Kg
86-73-7	Fluorene	0.40		0.093	0.19	mg/Kg
85-01-8	Phenanthrene	4.50	E	0.092	0.19	mg/Kg
120-12-7	Anthracene	1.10		0.092	0.19	mg/Kg
206-44-0	Fluoranthene	5.50	E	0.089	0.19	mg/Kg
129-00-0	Pyrene	3.40	E	0.091	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	2.70		0.088	0.19	mg/Kg
218-01-9	Chrysene	2.20		0.087	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.60		0.089	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.30		0.090	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	2.30		0.10	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.80		0.085	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.25		0.089	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.86		0.088	0.19	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	97.0		18 - 107	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		20 - 109	104%	SPK: 100
1718-51-0	Terphenyl-d14	78.3		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61700		6.869		
1146-65-2	Naphthalene-d8	222000		8.145		
15067-26-2	Acenaphthene-d10	108000		9.904		
1517-22-2	Phenanthrene-d10	162000		11.398		
1719-03-5	Chrysene-d12	132000		14.051		
1520-96-3	Perylene-d12	113000		15.557		

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOIL	SDG No.:	P5112
Lab Sample ID:	P5112-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.04 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
BF140779.D	1	12/06/24 08:55	12/06/24 20:44	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140779.D
 Acq On : 06 Dec 2024 20:44
 Operator : RC/JU
 Sample : P5112-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOIL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 21:57:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	61702	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	221938	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	107610	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	161573	20.000	ng	0.00
76) Chrysene-d12	14.051	240	131775	20.000	ng	0.00
86) Perylene-d12	15.557	264	112962	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	520477	143.924	ng	0.00
7) Phenol-d6	6.516	99	653776	136.749	ng	0.00
23) Nitrobenzene-d5	7.434	82	420932	97.013	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	140299	121.904	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	751469	104.047	ng	-0.01
79) Terphenyl-d14	12.980	244	662960	78.339	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.169	128	51787	4.530	ng	100
37) 2-Methylnaphthalene	8.863	142	23857	3.286	ng	97
38) 1-Methylnaphthalene	8.963	142	27231	3.826	ng	96
49) Acenaphthylene	9.769	152	35014	3.807	ng	99
52) Acenaphthene	9.933	154	66288	11.342	ng	99
55) Dibenzofuran	10.110	168	59173	6.638	ng	98
58) Fluorene	10.451	166	78388	10.955	ng	98
71) Phenanthrene	11.422	178	955080	122.972	ng	100
72) Anthracene	11.475	178	230809	30.381	ng	99
73) Carbazole	11.633	167	79656	10.899	ng	99
75) Fluoranthene	12.622	202	1279556	151.739	ng	99
78) Pyrene	12.851	202	1134505	93.112	ng	99
81) Benzo(a)anthracene	14.045	228	642842	73.695	ng	96
83) Chrysene	14.080	228	479782	60.152	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	35639	6.430	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.074	276	161253	21.905	ng	95
88) Benzo(b)fluoranthene	15.121	252	516140m	72.744	ng	
89) Benzo(k)fluoranthene	15.133	252	219447m	35.343	ng	
90) Benzo(a)pyrene	15.498	252	356914	61.867	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	41901	6.950	ng	# 80
92) Benzo(g,h,i)perylene	17.533	276	145704	23.684	ng	99

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

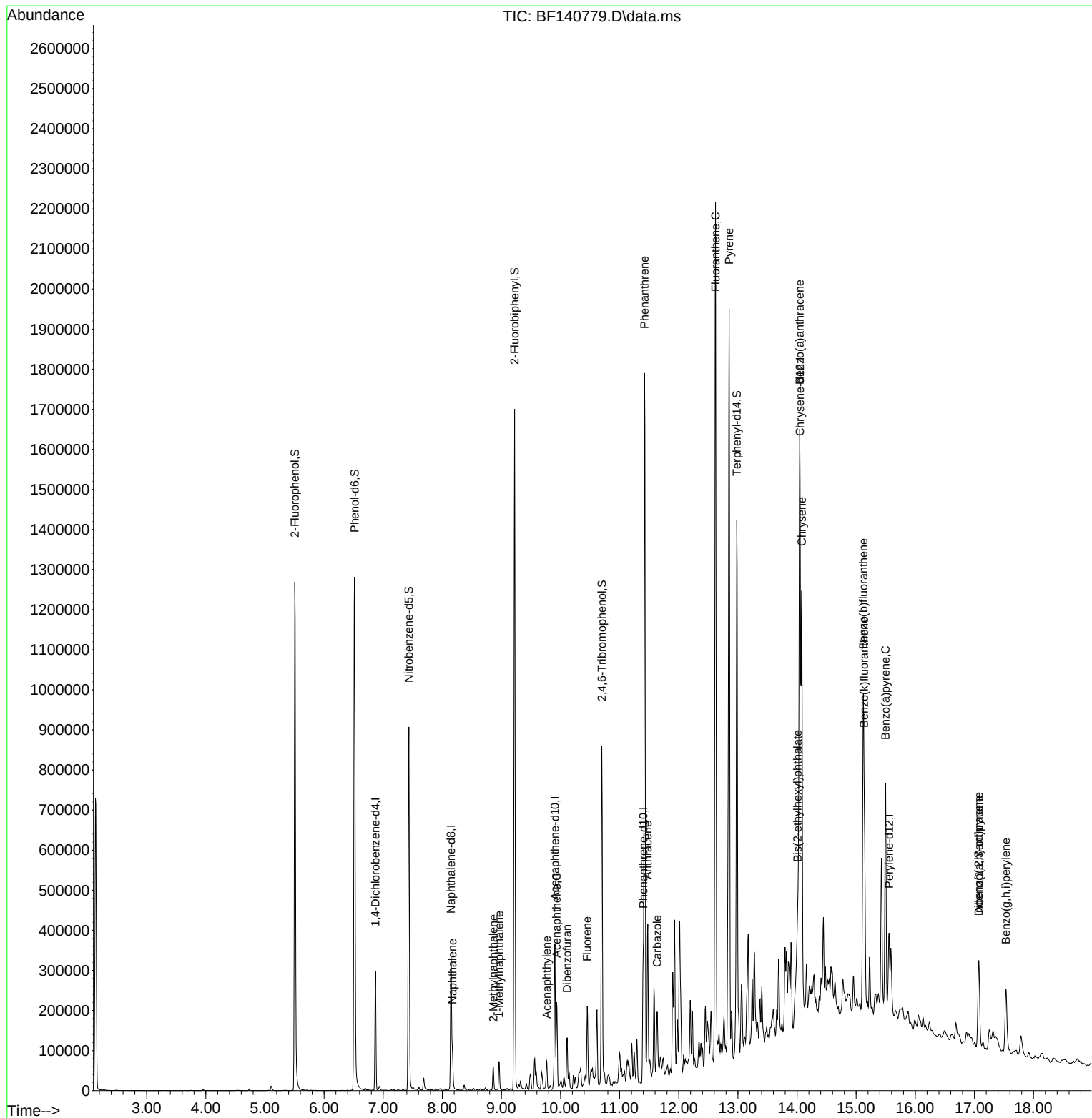
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Data File : BF140779.D
Acq On : 06 Dec 2024 20:44
Operator : RC/JU
Sample : P5112-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

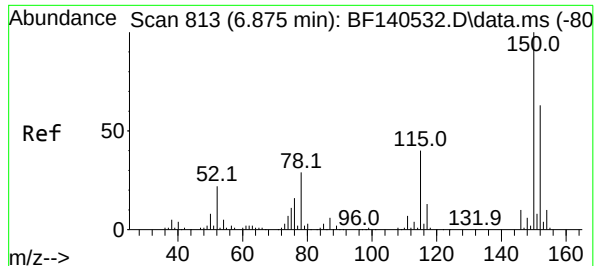
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

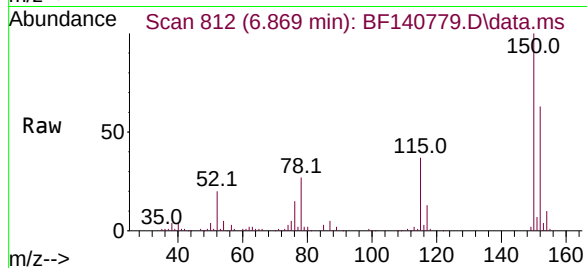
Quant Time: Dec 06 21:57:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

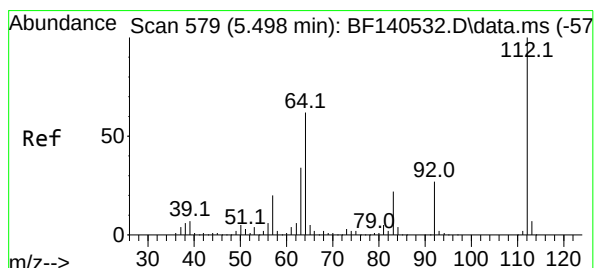
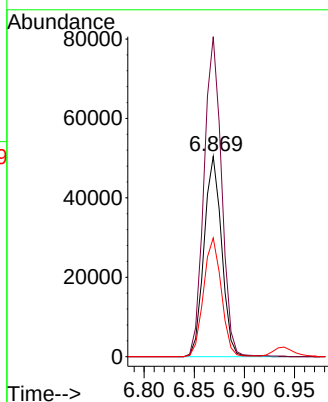
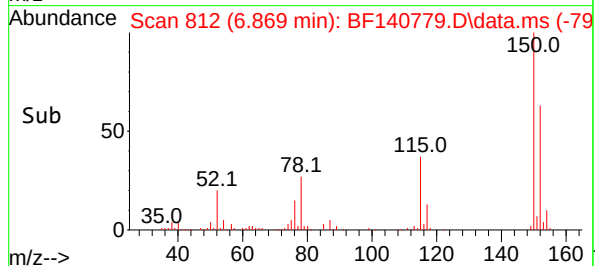
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL



Tgt Ion:152 Resp: 61702
Ion Ratio Lower Upper
152 100
150 159.7 128.5 192.7
115 59.3 50.2 75.4

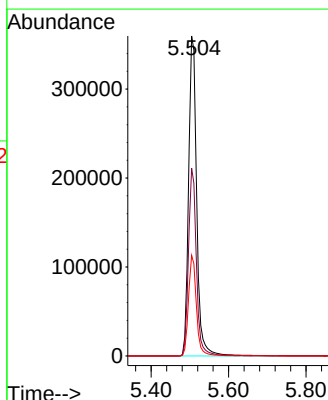
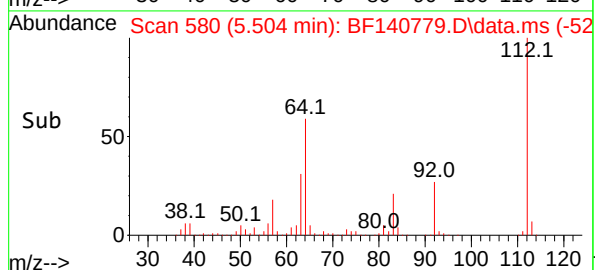
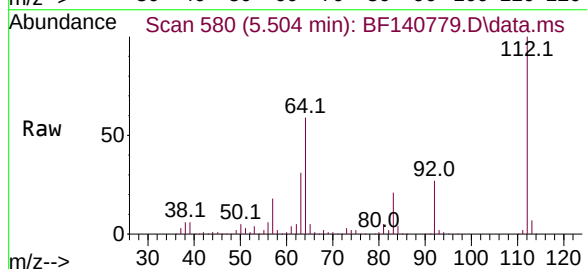
Manual Integrations
APPROVED

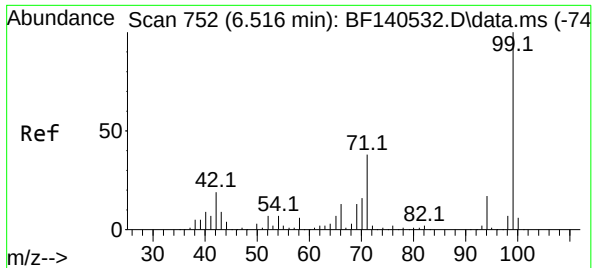
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#5
2-Fluorophenol
Concen: 143.924 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Tgt Ion:112 Resp: 520477
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 31.5 27.0 40.4





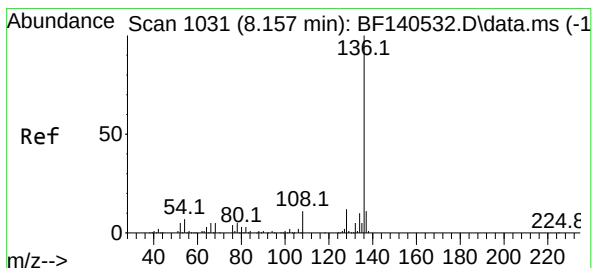
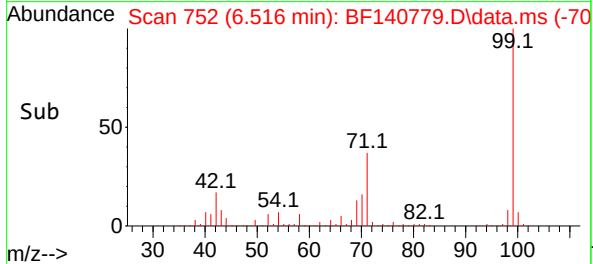
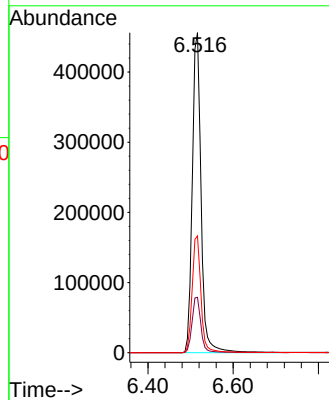
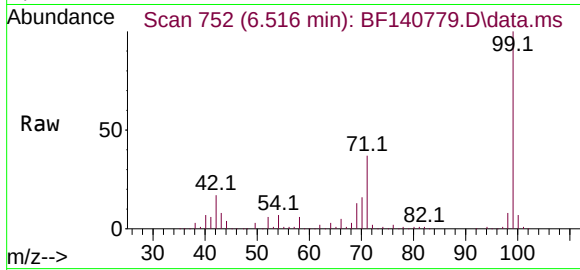
#7
Phenol-d6
Concen: 136.749 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL

Tgt Ion: 99 Resp: 653770
Ion Ratio Lower Upper
99 100
42 17.3 15.4 23.0
71 36.5 30.6 46.0

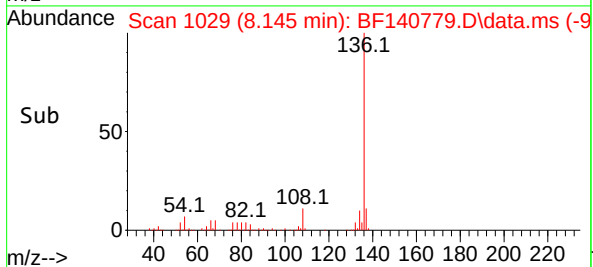
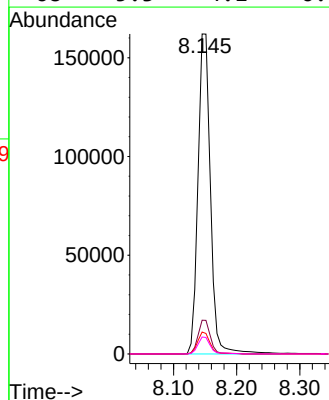
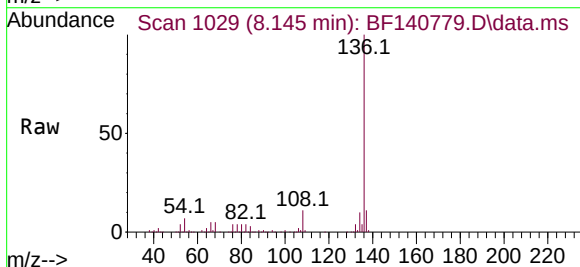
Manual Integrations
APPROVED

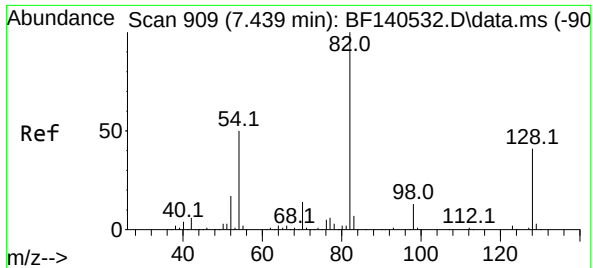
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Tgt Ion:136 Resp: 221938
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 6.8 5.8 8.8
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 97.013 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion: 82 Resp: 42093

Ion Ratio Lower Upper

82 100

128 43.9 33.0 49.4

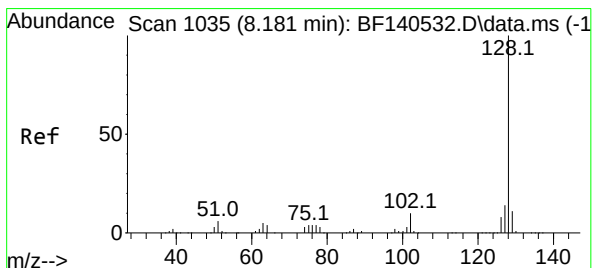
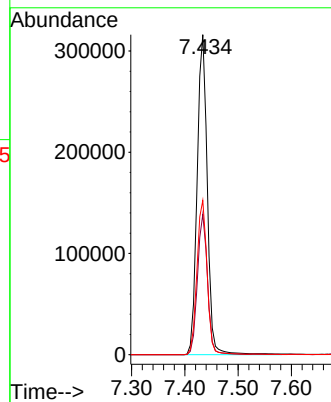
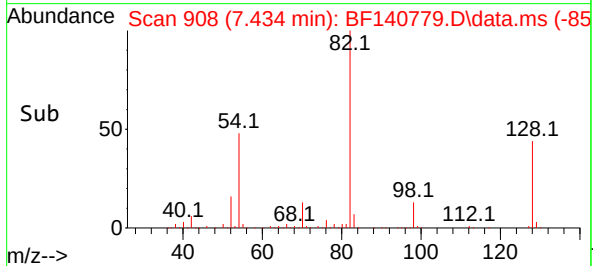
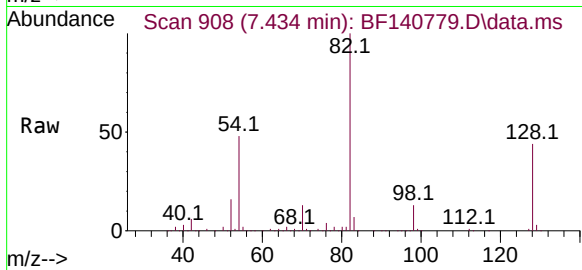
54 48.2 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#31

Naphthalene

Concen: 4.530 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.012 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

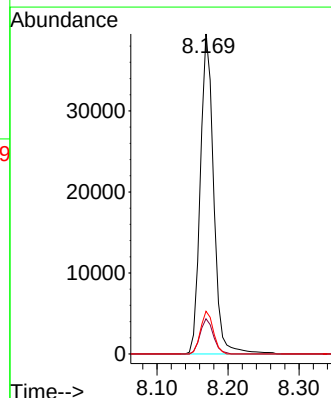
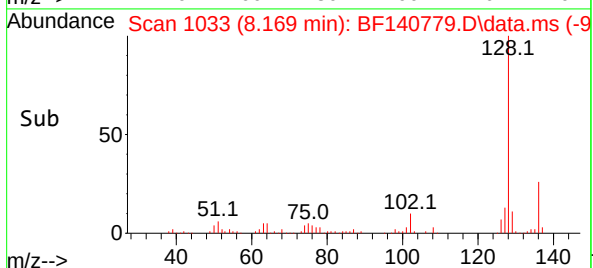
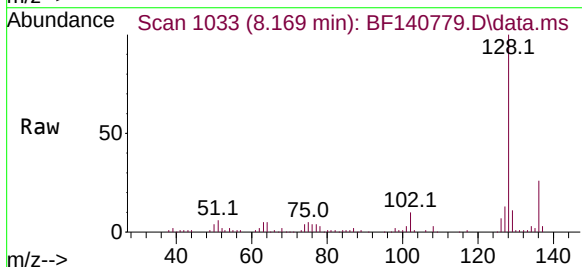
Tgt Ion:128 Resp: 51787

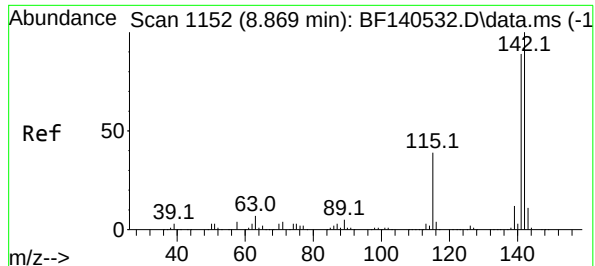
Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.3 10.8 16.2





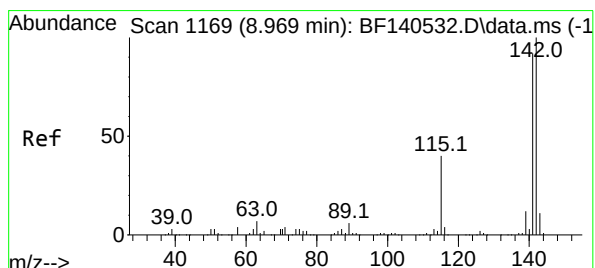
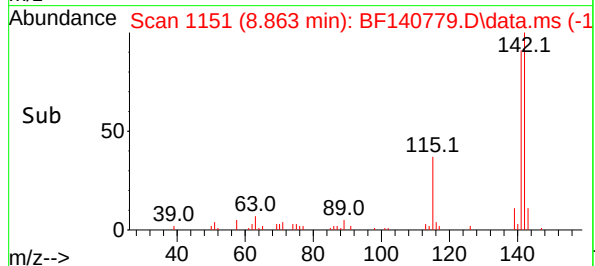
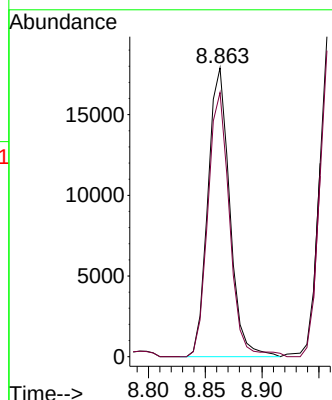
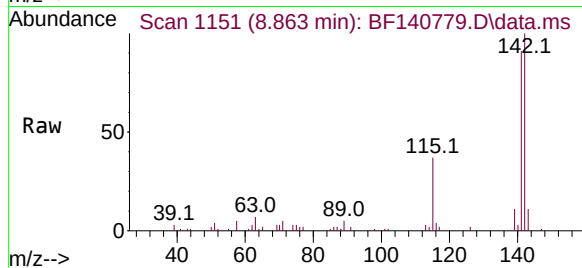
#37
2-Methylnaphthalene
Concen: 3.286 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL

Tgt Ion:142 Resp: 2385
Ion Ratio Lower Upper
142 100
141 91.5 71.0 106.6

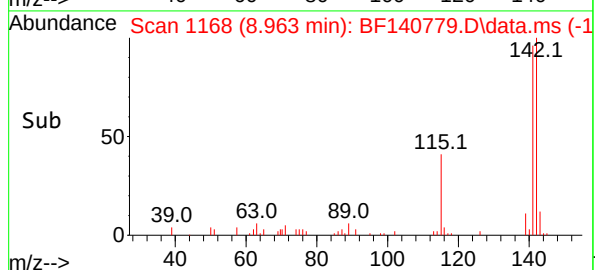
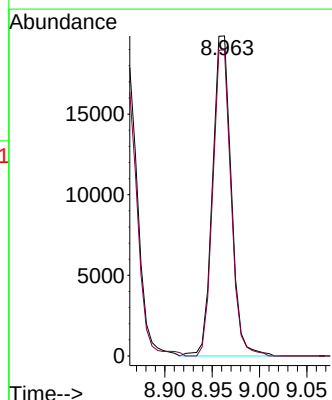
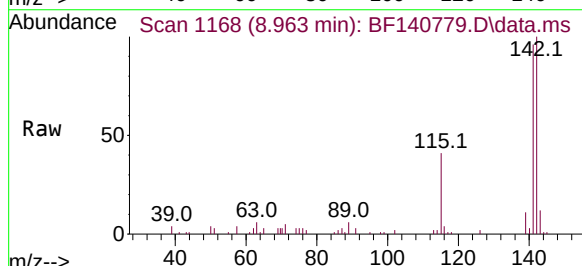
Manual Integrations
APPROVED

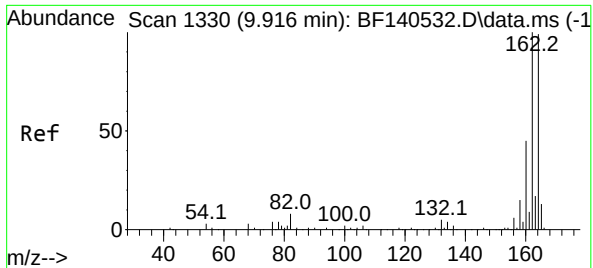
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#38
1-Methylnaphthalene
Concen: 3.826 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Tgt Ion:142 Resp: 27231
Ion Ratio Lower Upper
142 100
141 95.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:164 Resp: 107610

Ion Ratio Lower Upper

164 100

162 100.4 80.6 120.8

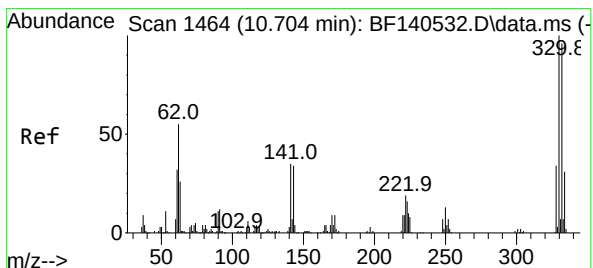
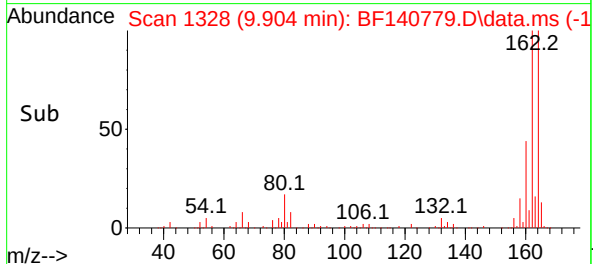
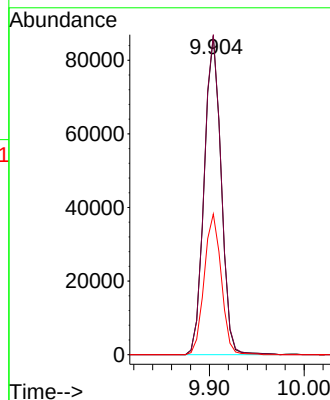
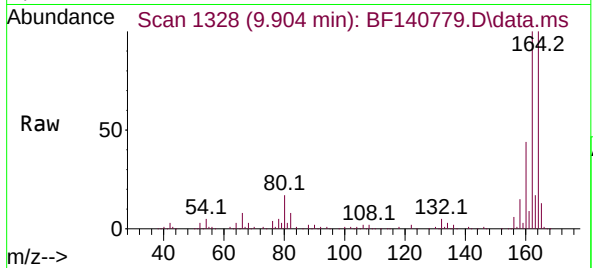
160 44.1 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#42

2,4,6-Tribromophenol

Concen: 121.904 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

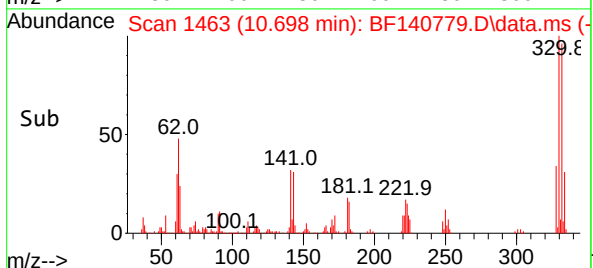
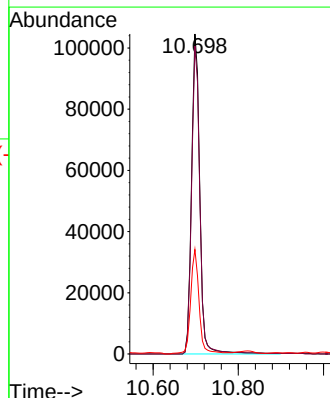
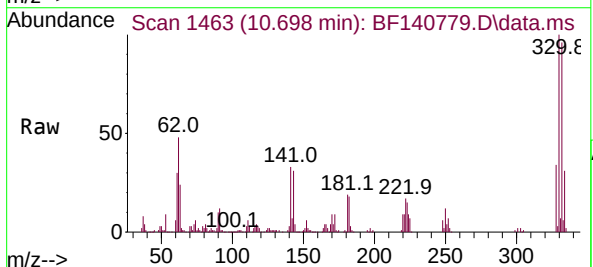
Tgt Ion:330 Resp: 140299

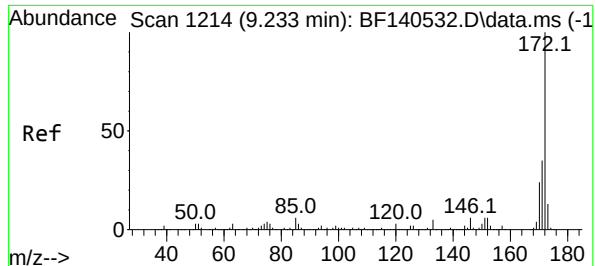
Ion Ratio Lower Upper

330 100

332 95.2 76.9 115.3

141 33.6 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 104.047 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:172 Resp: 751469

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

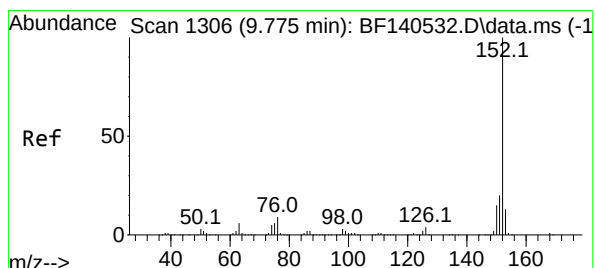
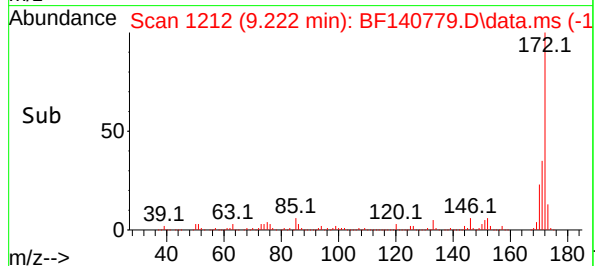
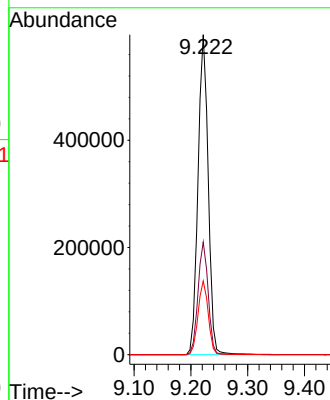
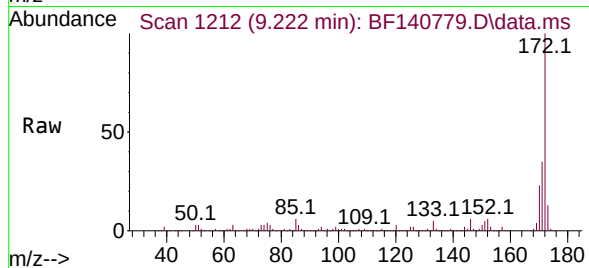
170 23.0 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#49

Acenaphthylene

Concen: 3.807 ng

RT: 9.769 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

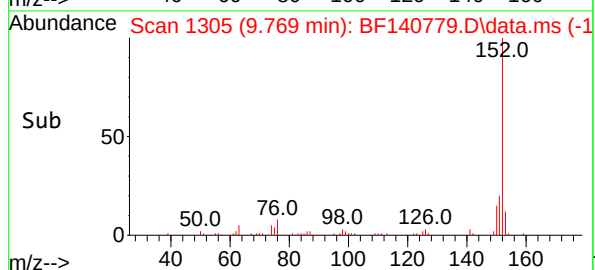
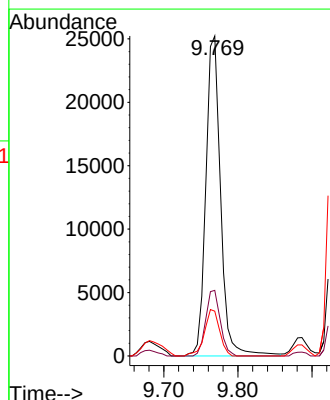
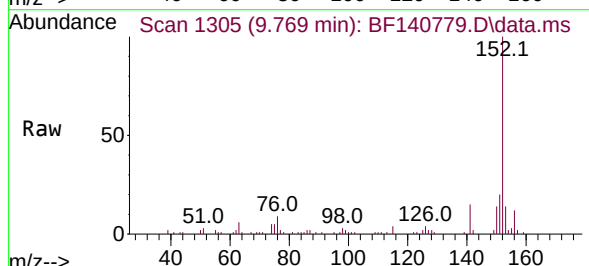
Tgt Ion:152 Resp: 35014

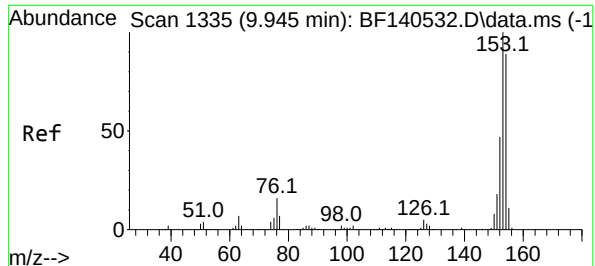
Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

153 14.0 10.6 16.0





#52

Acenaphthene

Concen: 11.342 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.012 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:154 Resp: 6628

Ion Ratio Lower Upper

154 100

153 112.7 89.7 134.5

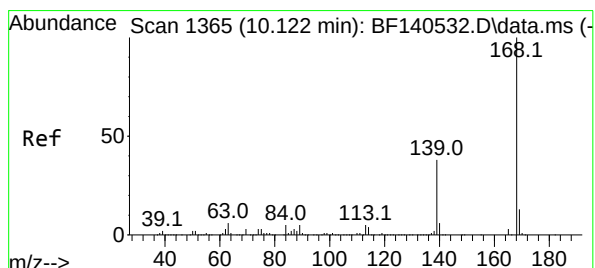
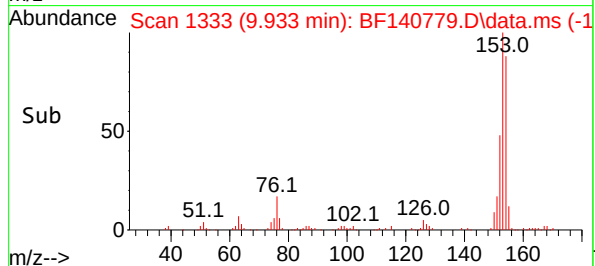
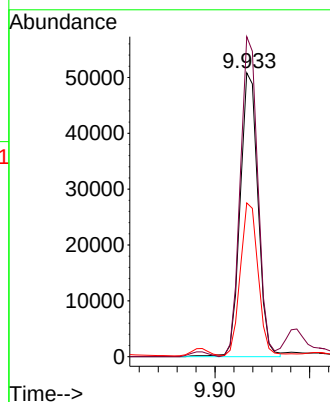
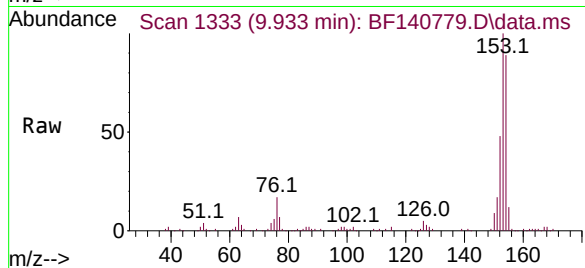
152 54.2 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#55

Dibenzofuran

Concen: 6.638 ng

RT: 10.110 min Scan# 1363

Delta R.T. -0.012 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

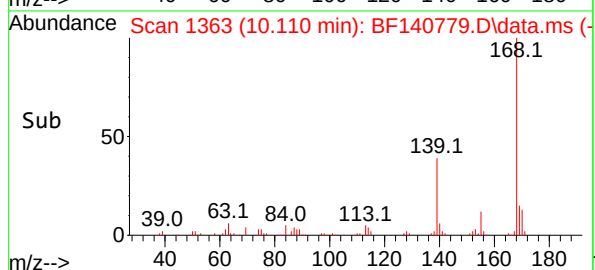
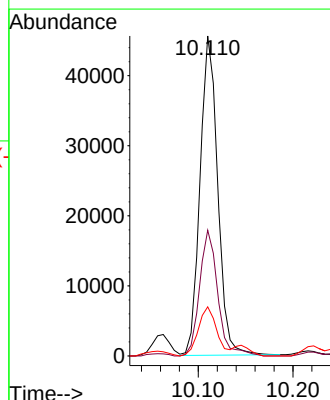
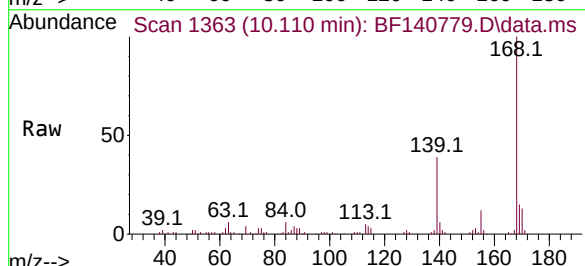
Tgt Ion:168 Resp: 59173

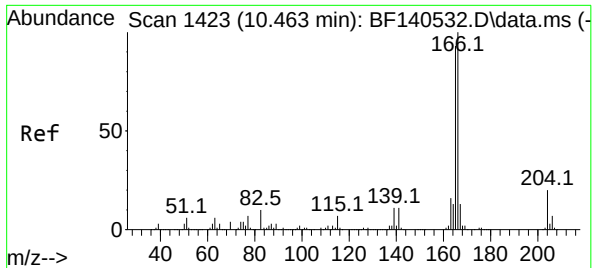
Ion Ratio Lower Upper

168 100

139 39.3 31.3 46.9

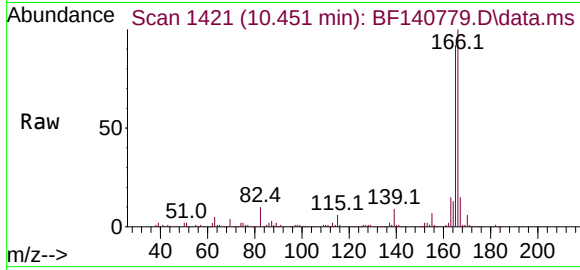
169 15.3 10.5 15.7





#58
Fluorene
Concen: 10.955 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

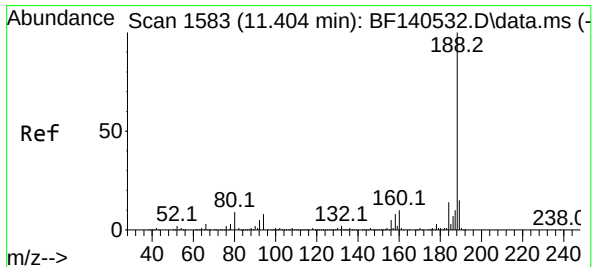
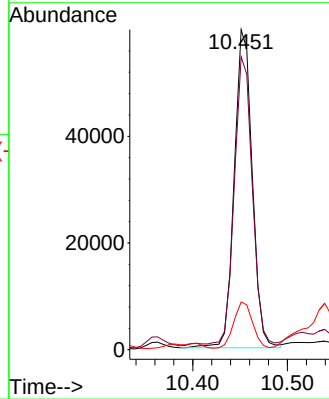
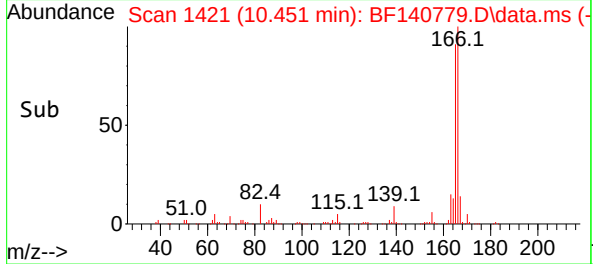
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL



Tgt Ion:166 Resp: 7838
Ion Ratio Lower Upper
166 100
165 91.5 74.6 111.8
167 14.9 10.6 16.0

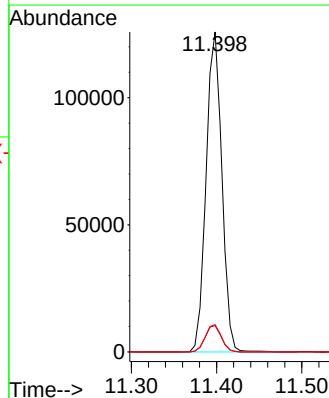
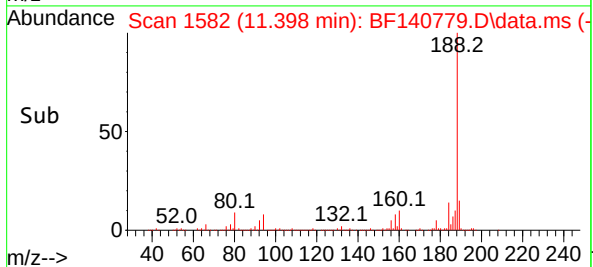
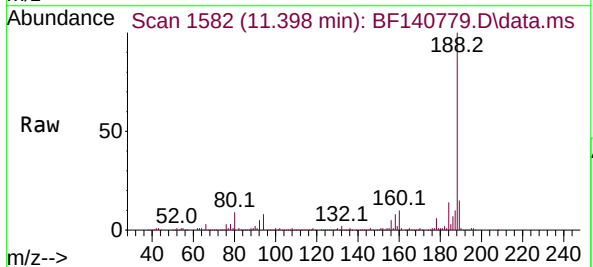
Manual Integrations
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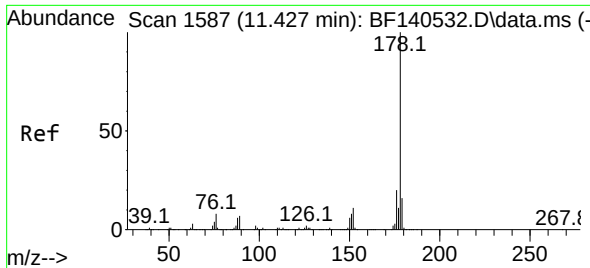
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Tgt Ion:188 Resp: 161573
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.5 6.9 10.3





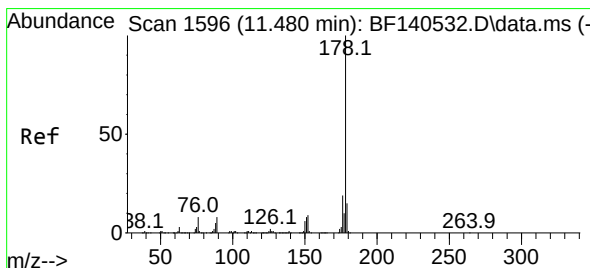
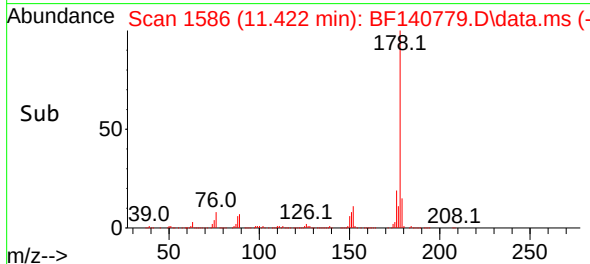
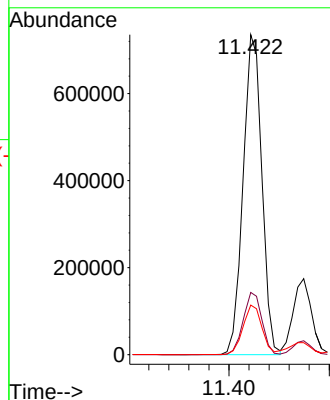
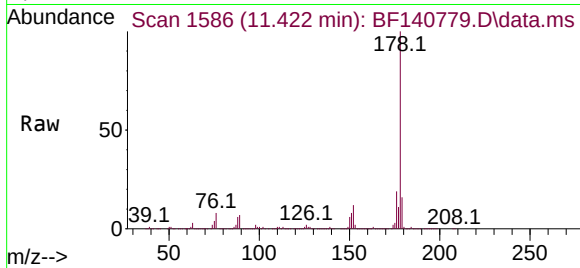
#71
Phenanthrene
Concen: 122.972 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL

Tgt Ion:178 Resp: 955080
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.5 12.4 18.6

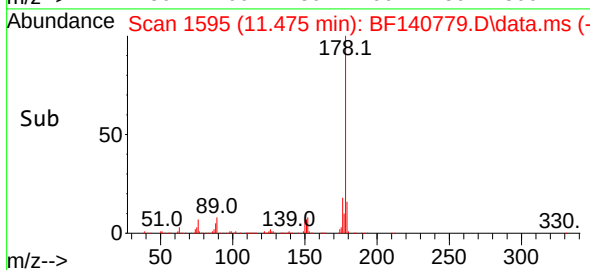
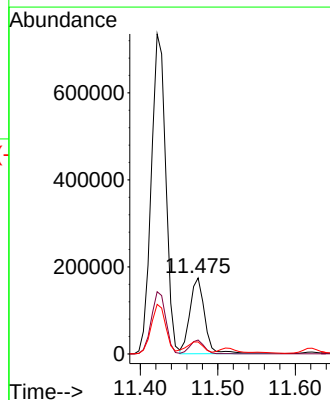
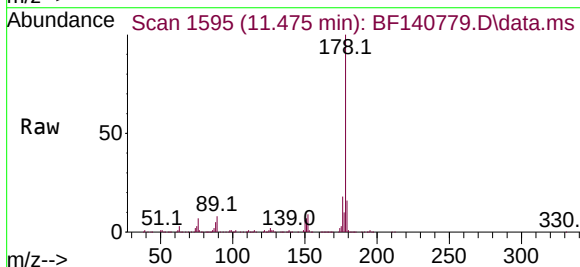
Manual Integrations
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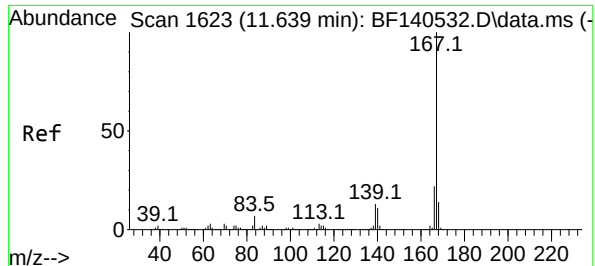
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#72
Anthracene
Concen: 30.381 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Tgt Ion:178 Resp: 230809
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.8 12.2 18.4





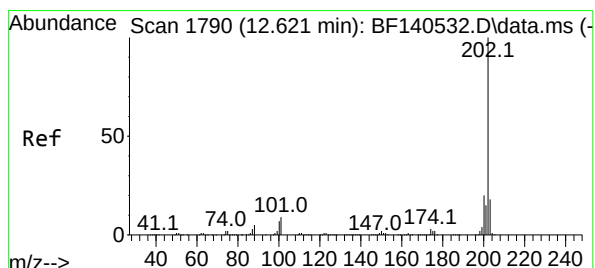
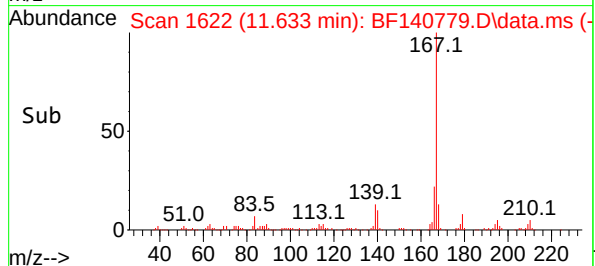
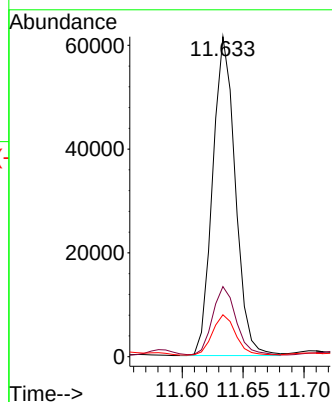
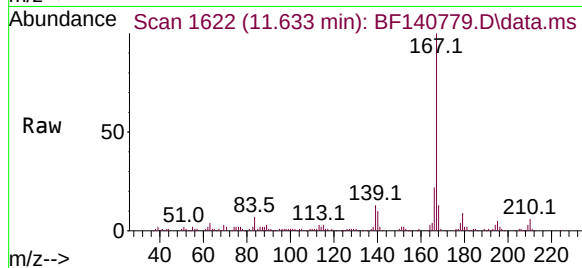
#73
 Carbazole
 Concen: 10.899 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140779.D
 Acq: 06 Dec 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOIL

Tgt Ion:167 Resp: 79650
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 13.1 10.6 15.8

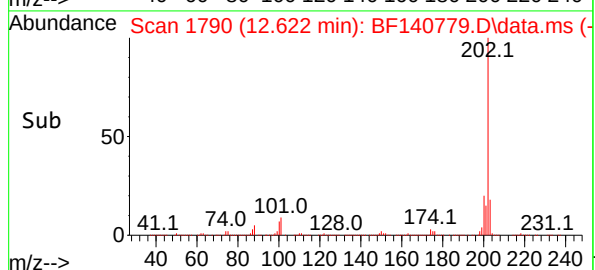
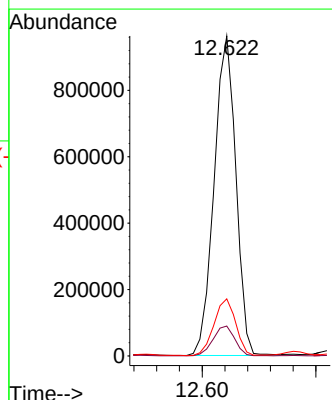
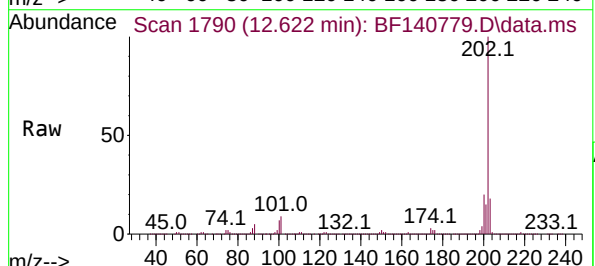
Manual Integrations
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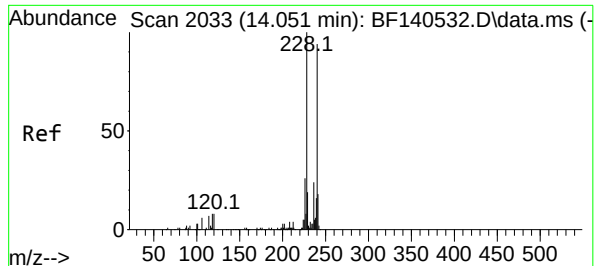
Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024



#75
 Fluoranthene
 Concen: 151.739 ng
 RT: 12.622 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140779.D
 Acq: 06 Dec 2024 20:44

Tgt Ion:202 Resp: 1279556
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 28.9
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:240 Resp: 131779

Ion Ratio Lower Upper

240 100

120 10.3 7.3 10.9

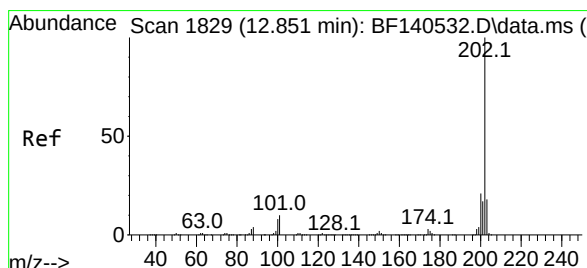
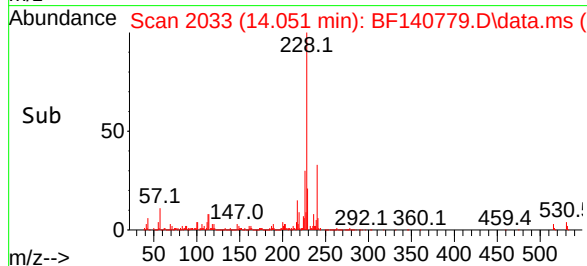
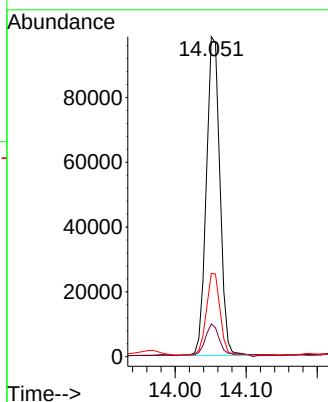
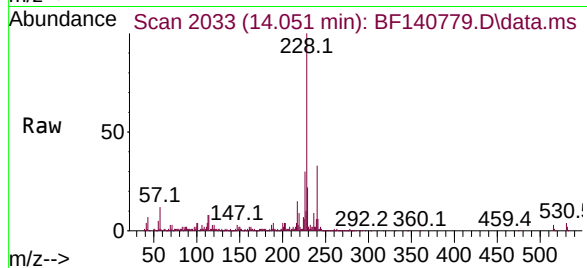
236 26.1 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#78

Pyrene

Concen: 93.112 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

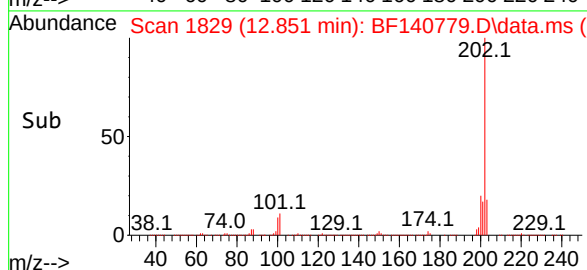
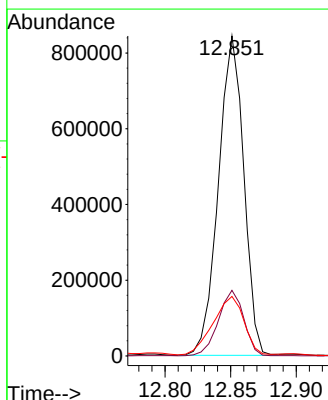
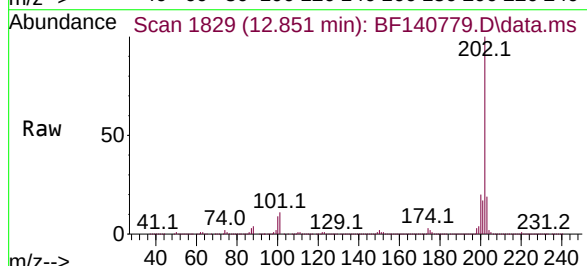
Tgt Ion:202 Resp: 1134505

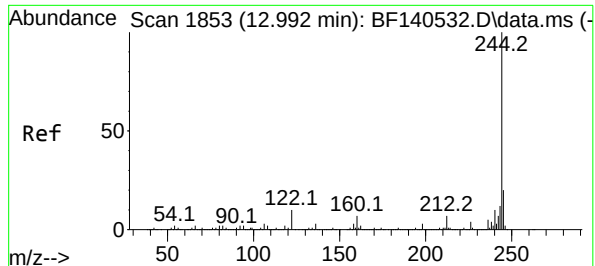
Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

203 18.6 14.2 21.4





#79

Terphenyl-d14

Concen: 78.339 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140779.D

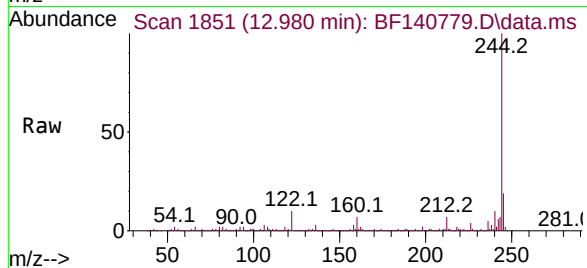
Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL



Tgt Ion:244 Resp: 662960

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

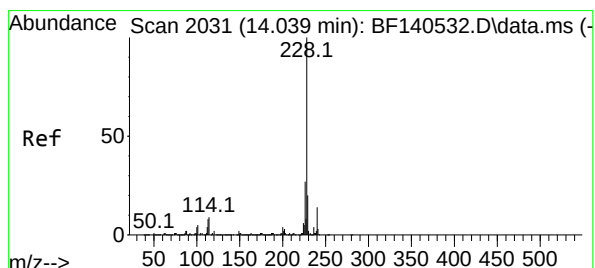
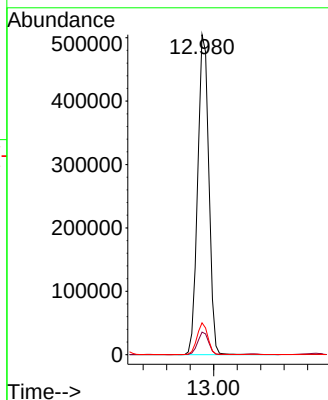
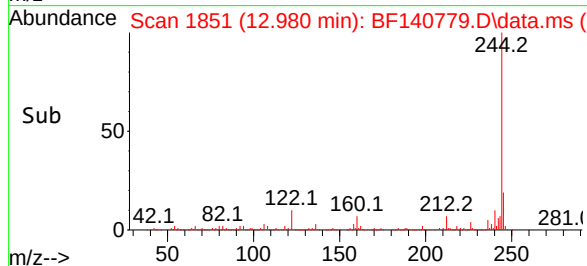
122 9.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#81

Benzo(a)anthracene

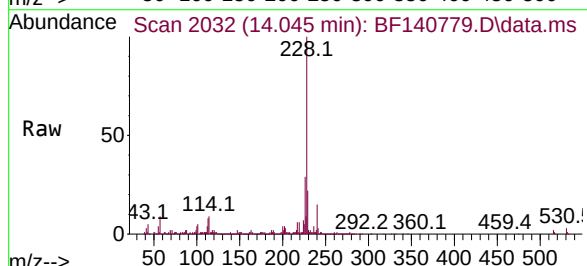
Concen: 73.695 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44



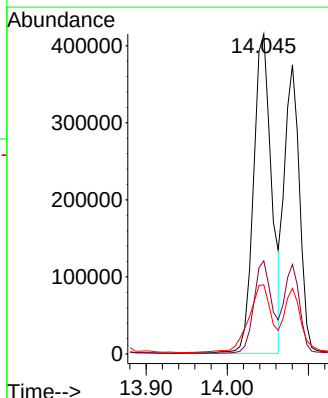
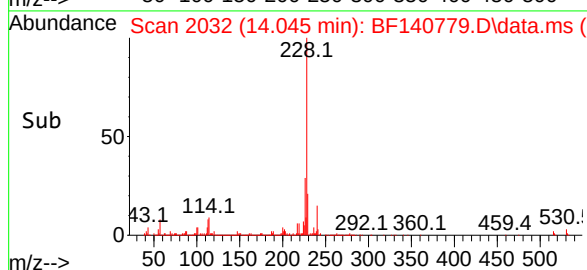
Tgt Ion:228 Resp: 642842

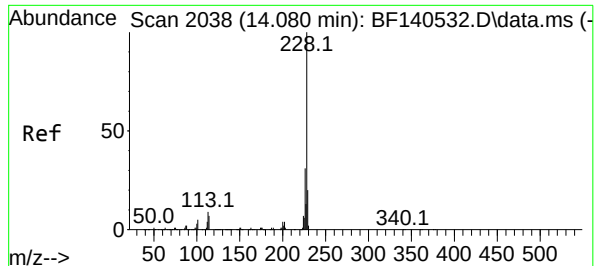
Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.8

229 21.6 15.8 23.6





#83

Chrysene

Concen: 60.152 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:228 Resp: 47978

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

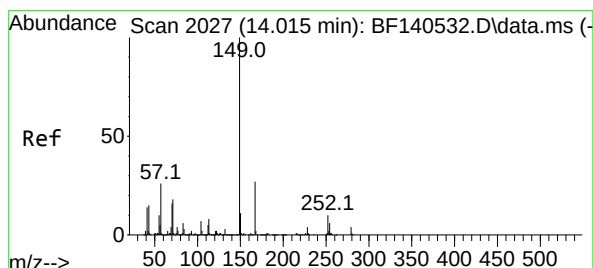
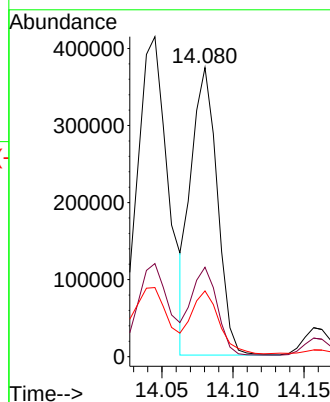
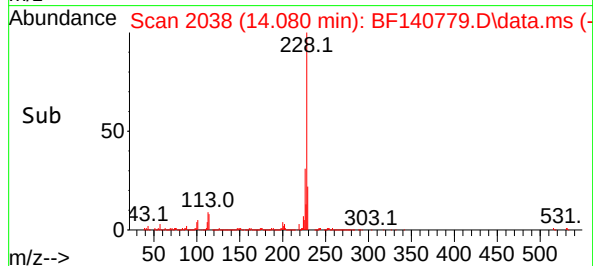
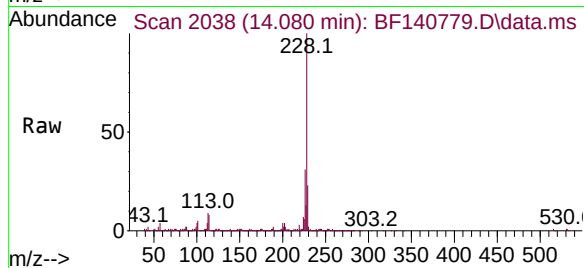
229 22.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.430 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

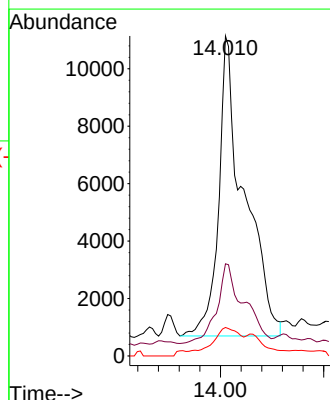
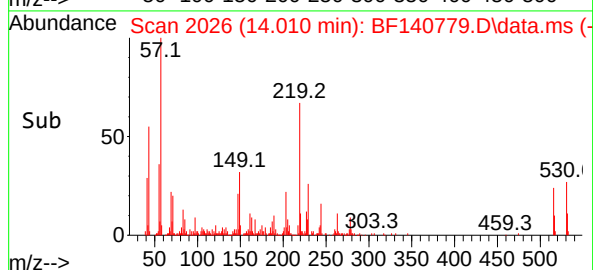
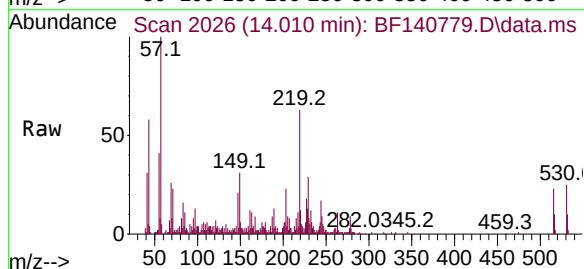
Tgt Ion:149 Resp: 35639

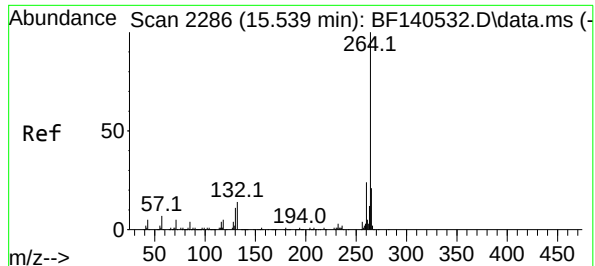
Ion Ratio Lower Upper

149 100

167 28.8 21.2 31.8

279 8.9 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:264 Resp: 11296

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

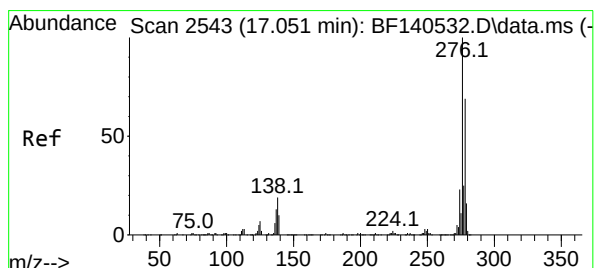
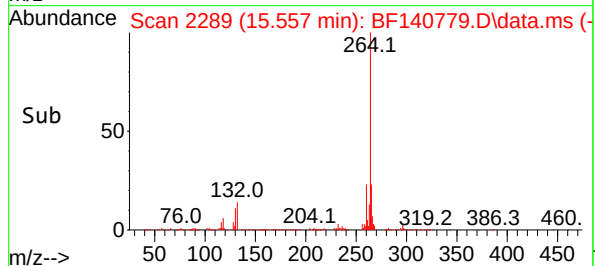
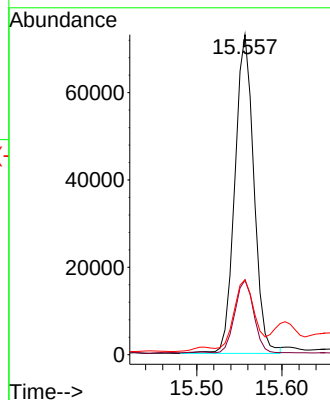
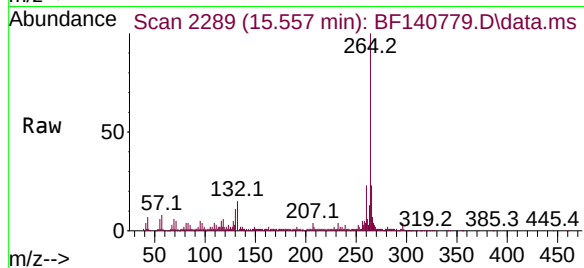
265 23.4 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.905 ng

RT: 17.074 min Scan# 2547

Delta R.T. 0.024 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

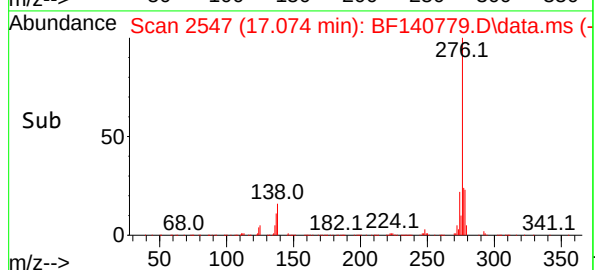
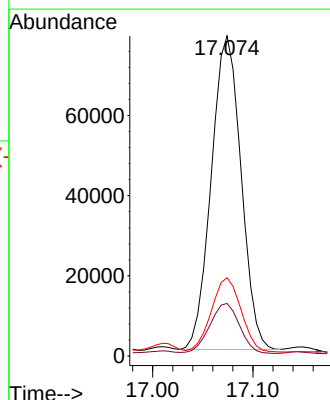
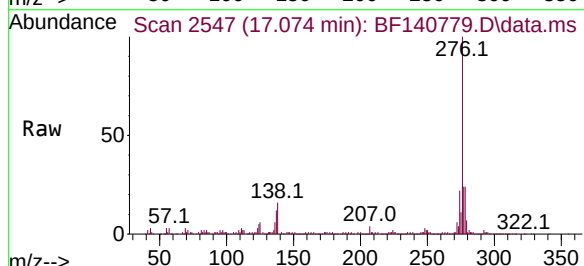
Tgt Ion:276 Resp: 161253

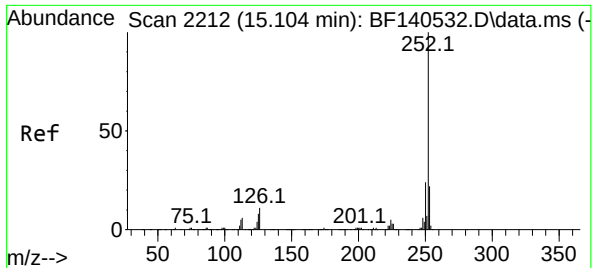
Ion Ratio Lower Upper

276 100

138 16.3 15.5 23.3

277 23.6 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 72.744 ng m

RT: 15.121 min Scan# 2215

Delta R.T. 0.018 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL

Tgt Ion:252 Resp: 516140

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

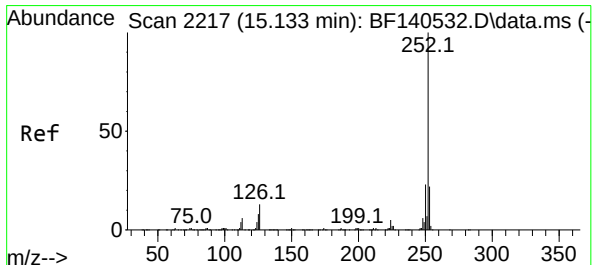
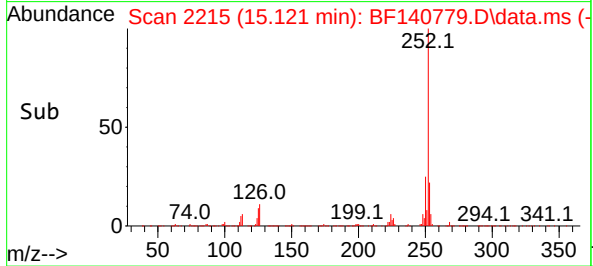
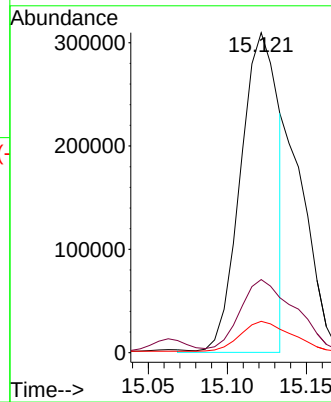
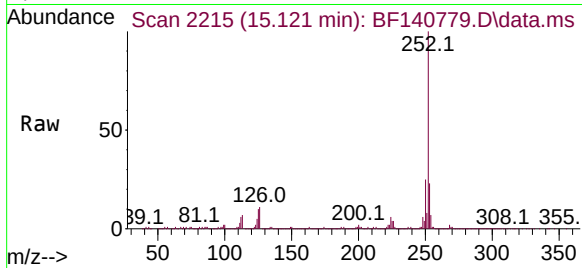
125 9.8 6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#89

Benzo(k)fluoranthene

Concen: 35.343 ng m

RT: 15.133 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF140779.D

Acq: 06 Dec 2024 20:44

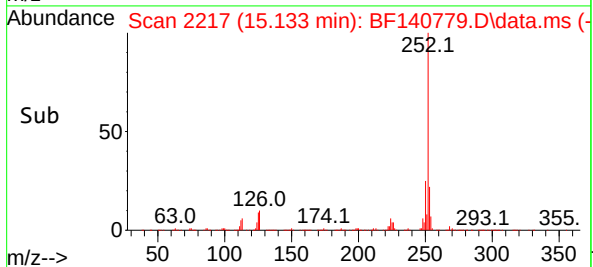
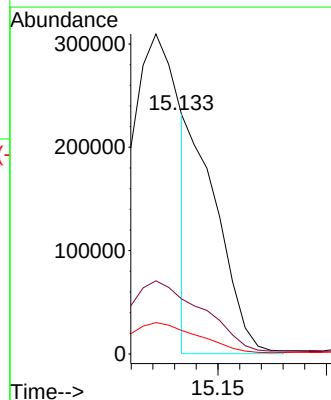
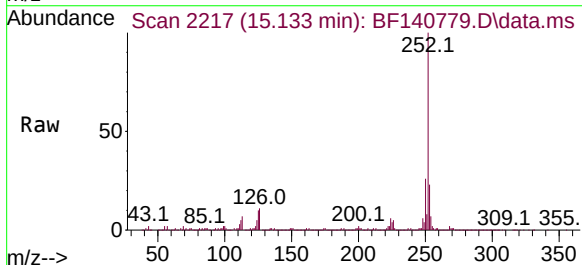
Tgt Ion:252 Resp: 219447

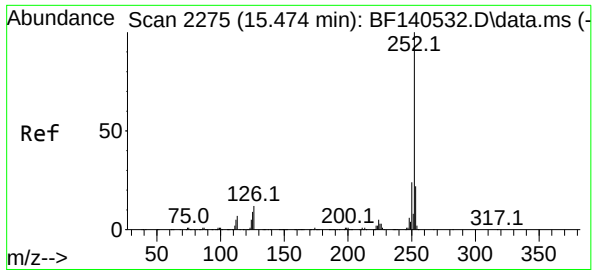
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

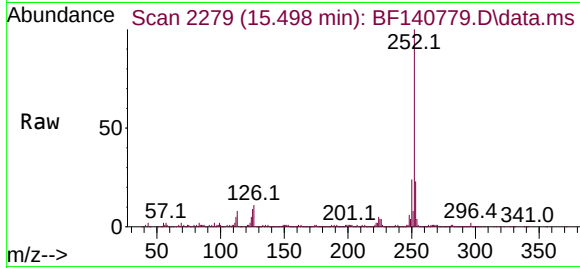
125 9.8 6.5 9.7#





#90
Benzo(a)pyrene
Concen: 61.867 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

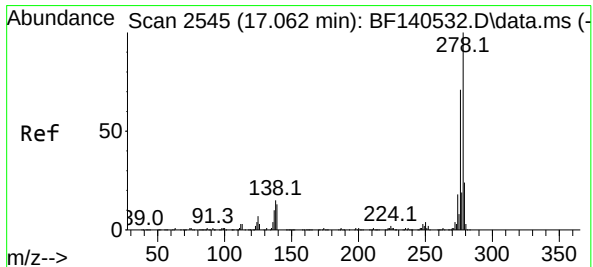
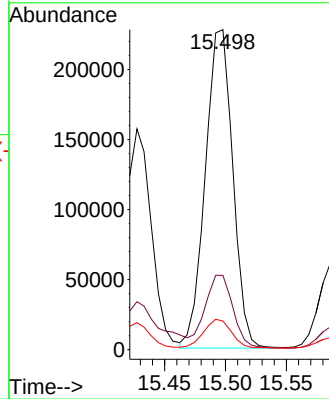
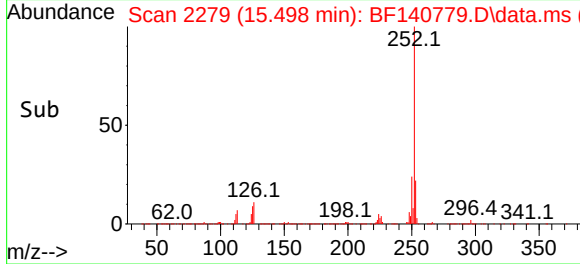
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOIL



Tgt Ion:252 Resp: 356914
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 9.0 7.0 10.6

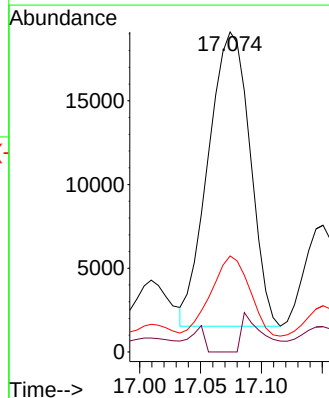
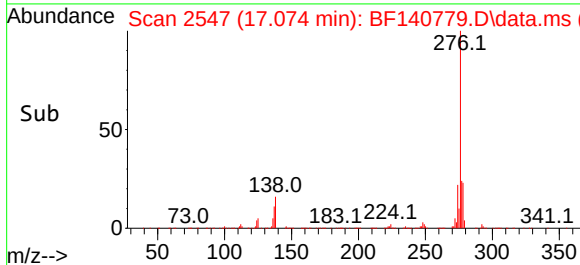
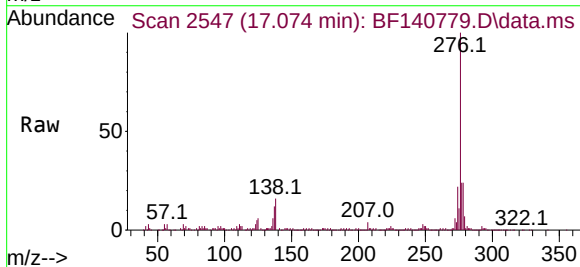
Manual Integrations
APPROVED

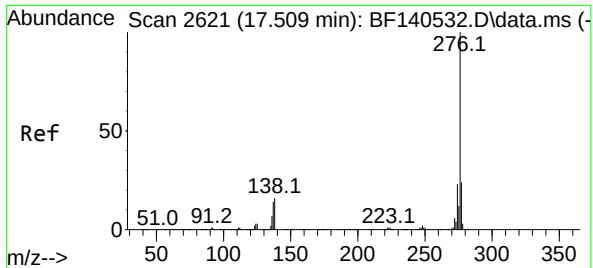
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#91
Dibenzo(a,h)anthracene
Concen: 6.950 ng
RT: 17.074 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF140779.D
Acq: 06 Dec 2024 20:44

Tgt Ion:278 Resp: 41901
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.4#
279 30.0 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 23.684 ng

RT: 17.533 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF140779.D

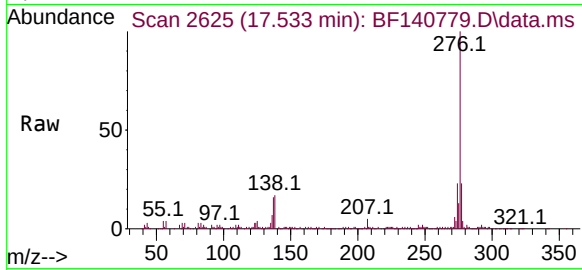
Acq: 06 Dec 2024 20:44

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOIL



Tgt Ion:276 Resp: 145704

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

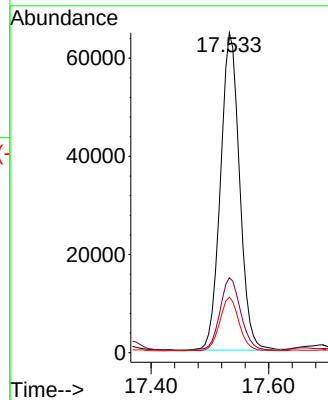
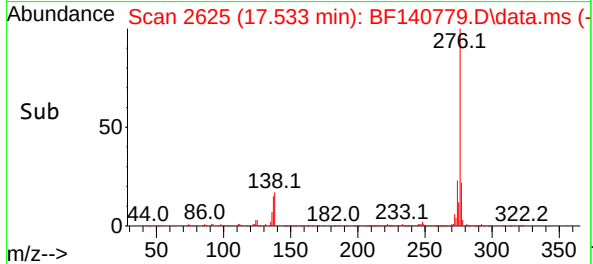
138 17.3 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOILDL	SDG No.:	P5112
Lab Sample ID:	P5112-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.04 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
BF140803.D	5	12/06/24 08:55	12/10/24 13:39	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.45	UD	0.45	0.93	mg/Kg
208-96-8	Acenaphthylene	0.47	UD	0.47	0.93	mg/Kg
83-32-9	Acenaphthene	0.44	UD	0.44	0.93	mg/Kg
86-73-7	Fluorene	0.47	UD	0.47	0.93	mg/Kg
85-01-8	Phenanthrene	4.60	D	0.46	0.93	mg/Kg
120-12-7	Anthracene	1.10	D	0.46	0.93	mg/Kg
206-44-0	Fluoranthene	6.00	D	0.45	0.93	mg/Kg
129-00-0	Pyrene	3.70	D	0.45	0.93	mg/Kg
56-55-3	Benzo(a)anthracene	2.50	D	0.44	0.93	mg/Kg
218-01-9	Chrysene	2.10	D	0.43	0.93	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.80	D	0.44	0.93	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.00	D	0.45	0.93	mg/Kg
50-32-8	Benzo(a)pyrene	2.20	D	0.51	0.93	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	JD	0.43	0.93	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.44	UD	0.44	0.93	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.00	D	0.44	0.93	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.4		18 - 107	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		20 - 109	108%	SPK: 100
1718-51-0	Terphenyl-d14	81.9		10 - 105	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	68700		6.863		
1146-65-2	Naphthalene-d8	236000		8.145		
15067-26-2	Acenaphthene-d10	109000		9.898		
1517-22-2	Phenanthrene-d10	190000		11.392		
1719-03-5	Chrysene-d12	160000		14.045		
1520-96-3	Perylene-d12	109000		15.539		

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOILDL	SDG No.:	P5112
Lab Sample ID:	P5112-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.04 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
BF140803.D	5	12/06/24 08:55	12/10/24 13:39	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140803.D
 Acq On : 10 Dec 2024 13:39
 Operator : RC/JU
 Sample : P5112-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILDL

Quant Time: Dec 10 15:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

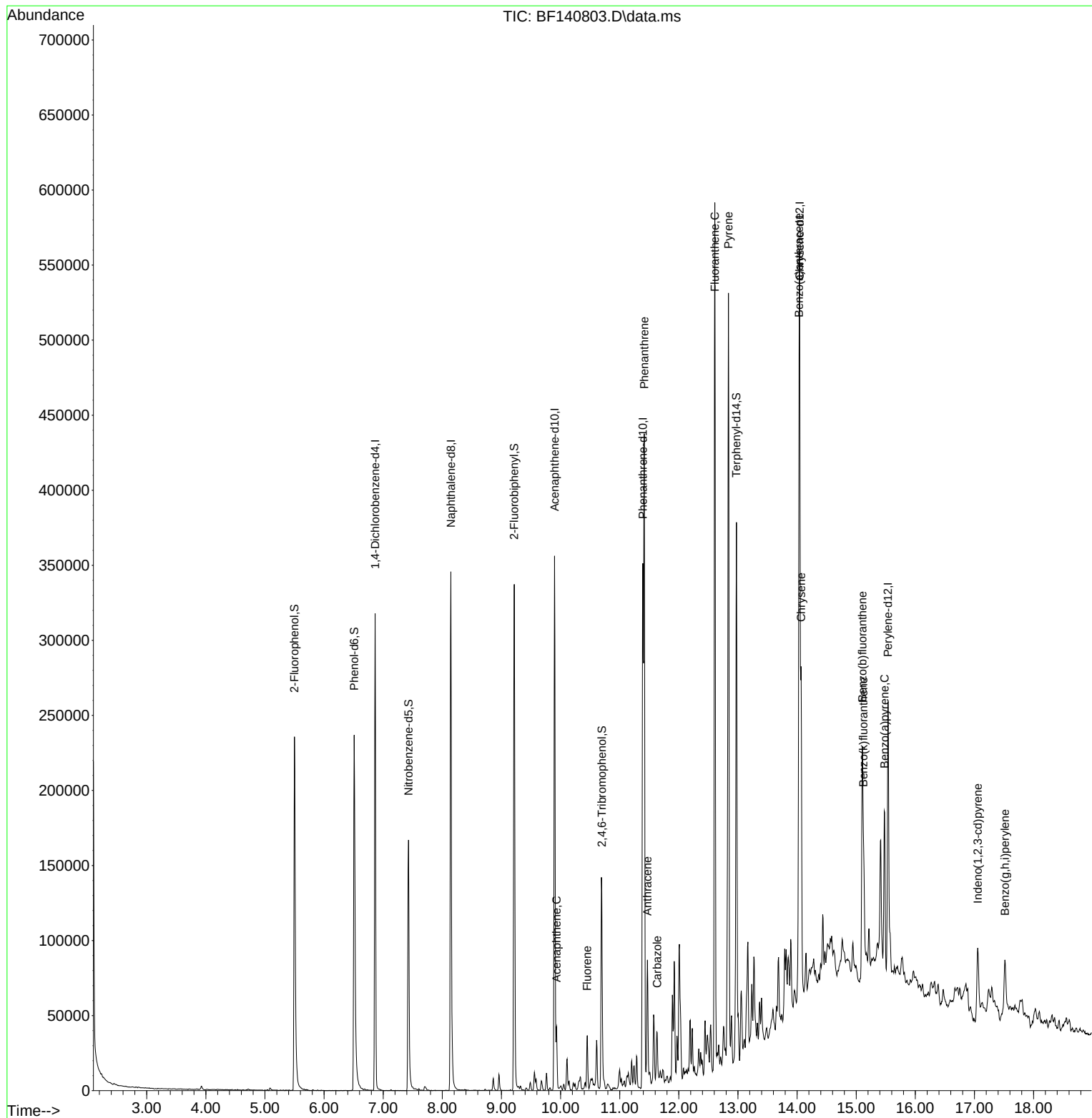
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	68741	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	236146	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	108860	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	190136	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	160012	20.000	ng	0.00
86) Perylene-d12	15.539	264	109017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	114847	28.506	ng	0.00
7) Phenol-d6	6.510	99	148610	27.901	ng	0.00
23) Nitrobenzene-d5	7.428	82	87138	18.874	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	25723	22.094	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	157561	21.565	ng	-0.02
79) Terphenyl-d14	12.974	244	168319	16.380	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.933	154	13482	2.280	ng	96
58) Fluorene	10.451	166	15363	2.122	ng	98
71) Phenanthrene	11.416	178	232795	25.471	ng	98
72) Anthracene	11.469	178	53953	6.035	ng	98
73) Carbazole	11.633	167	18987	2.208	ng	97
75) Fluoranthene	12.610	202	328327	33.086	ng	99
78) Pyrene	12.839	202	300194	20.290	ng	99
81) Benzo(a)anthracene	14.033	228	147528	13.928	ng	98
83) Chrysene	14.068	228	111233	11.485	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	33442	4.707	ng	97
88) Benzo(b)fluoranthene	15.104	252	106809m	15.598	ng	
89) Benzo(k)fluoranthene	15.121	252	34353m	5.733	ng	
90) Benzo(a)pyrene	15.480	252	67792	12.176	ng	# 97
92) Benzo(g,h,i)perylene	17.515	276	34217	5.763	ng	# 94

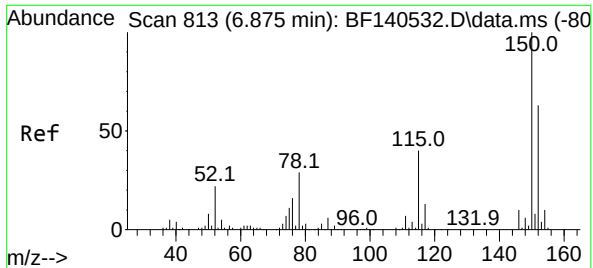
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
Data File : BF140803.D
Acq On : 10 Dec 2024 13:39
Operator : RC/JU
Sample : P5112-01DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

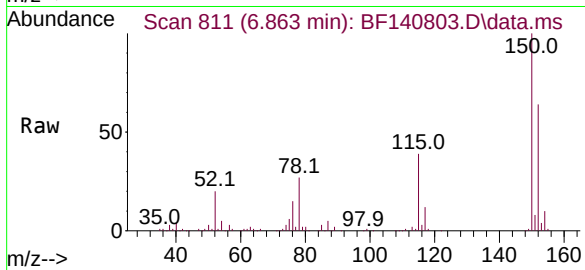
Quant Time: Dec 10 15:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



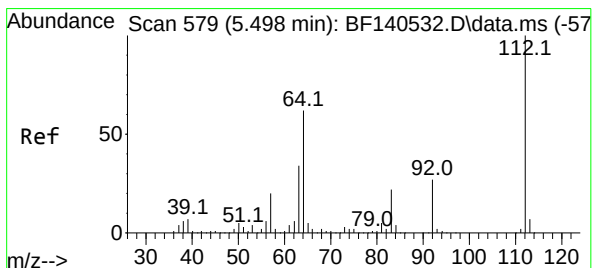
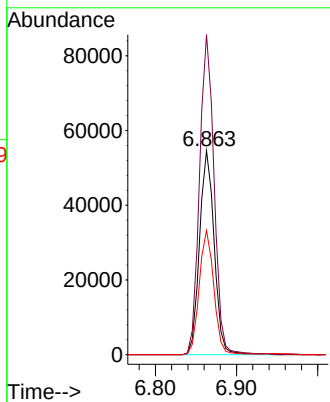
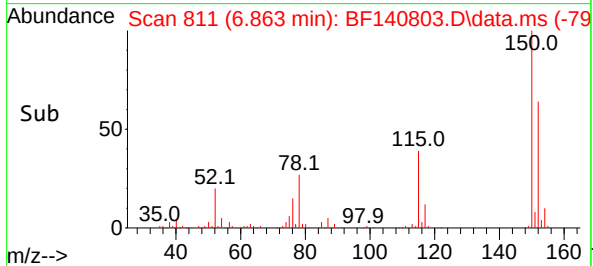


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

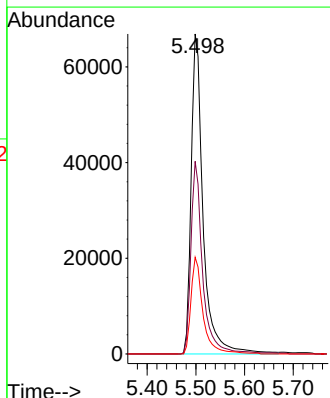
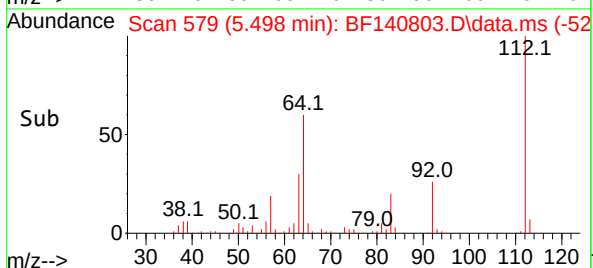
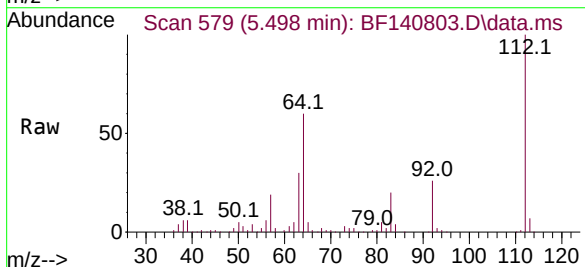


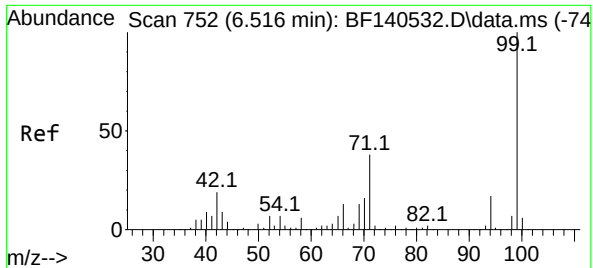
Tgt Ion:152 Resp: 68741
Ion Ratio Lower Upper
152 100
150 156.8 128.5 192.7
115 60.9 50.2 75.4



#5
2-Fluorophenol
Concen: 28.506 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

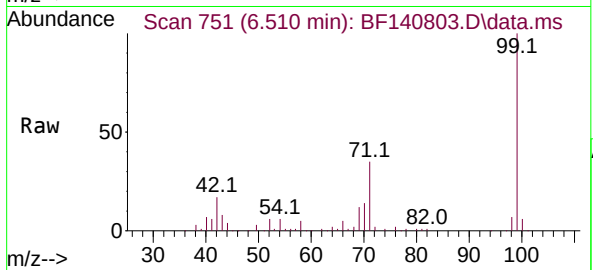
Tgt Ion:112 Resp: 114847
Ion Ratio Lower Upper
112 100
64 60.2 49.2 73.8
63 30.2 27.0 40.4



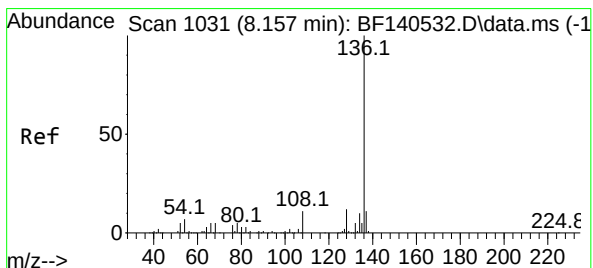
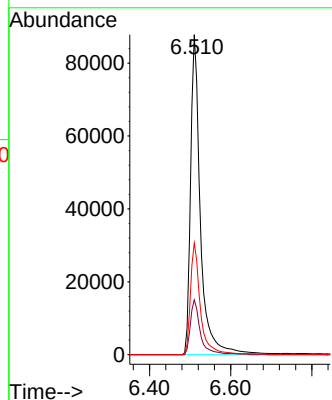
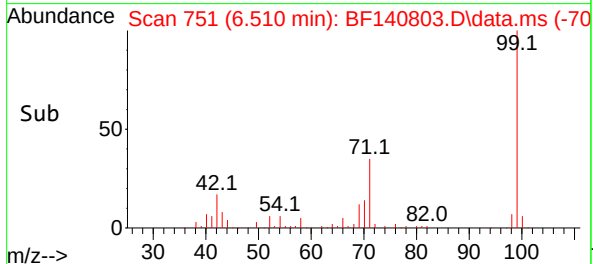


#7
Phenol-d6
Concen: 27.901 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

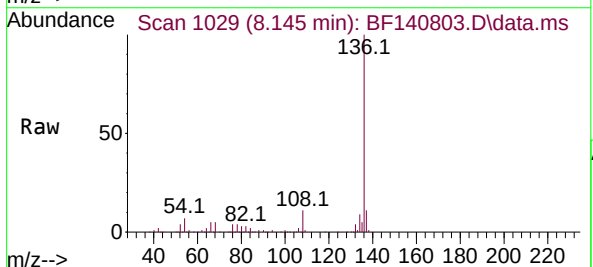
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL



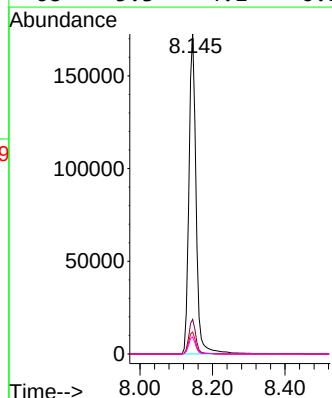
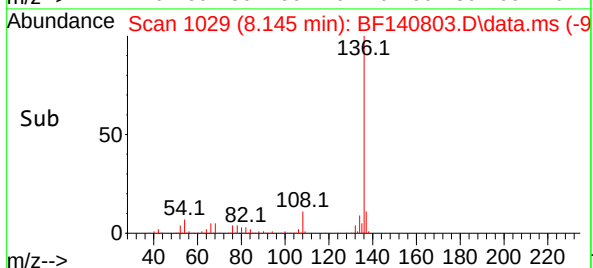
Tgt Ion: 99 Resp: 148610
Ion Ratio Lower Upper
99 100
42 17.2 15.4 23.0
71 34.9 30.6 46.0

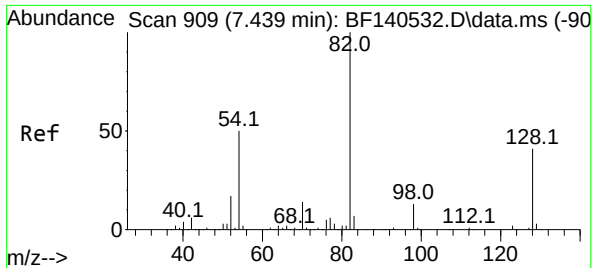


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39



Tgt Ion: 136 Resp: 236146
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.9 5.8 8.8
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 18.874 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140803.D

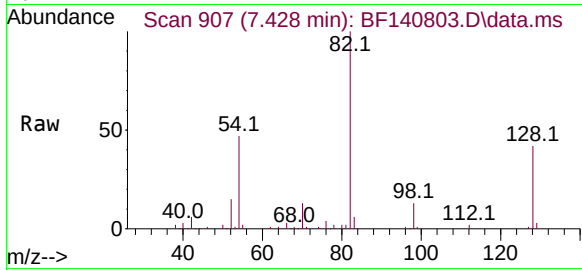
Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

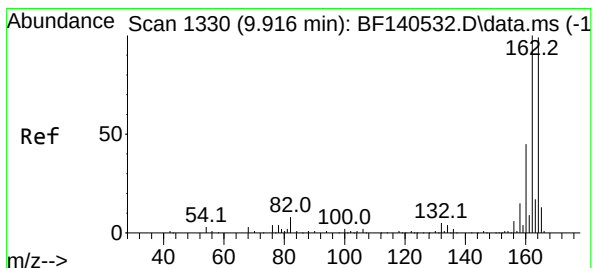
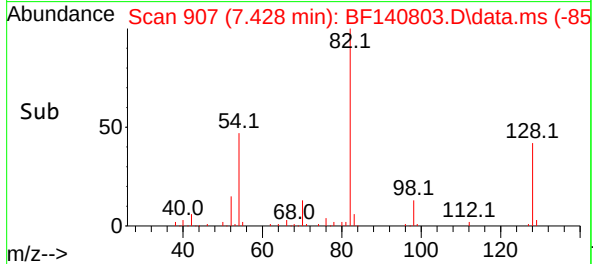
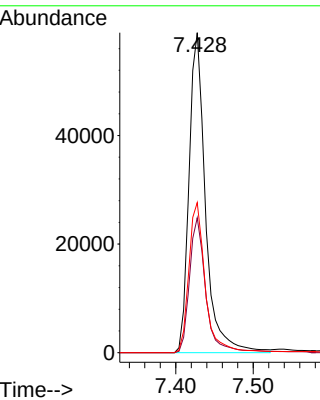
ClientSampleId :

10TH-ST-SOILDL



Tgt Ion: 82 Resp: 87138

Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.0	49.4
54	46.9	39.5	59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

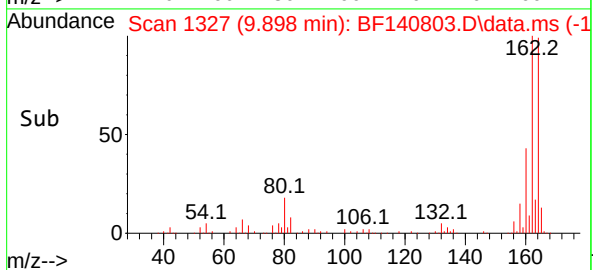
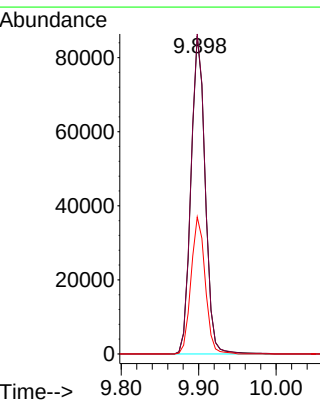
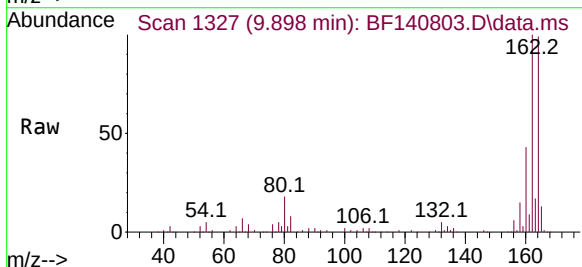
Delta R.T. -0.018 min

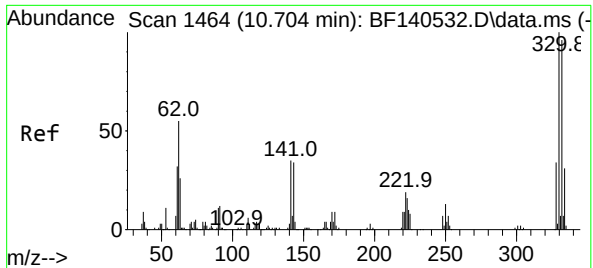
Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Tgt Ion:164 Resp: 108860

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	43.1	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 22.094 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

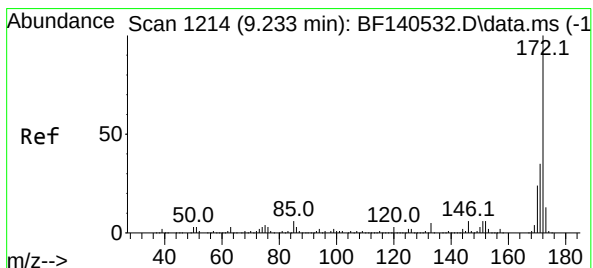
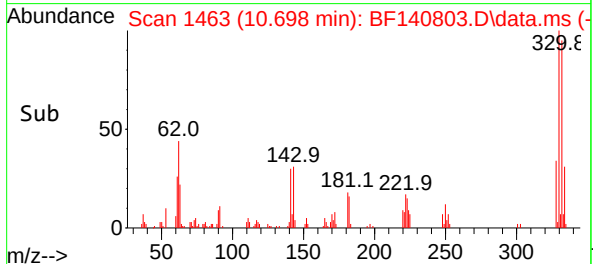
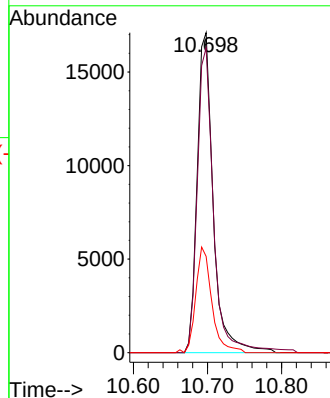
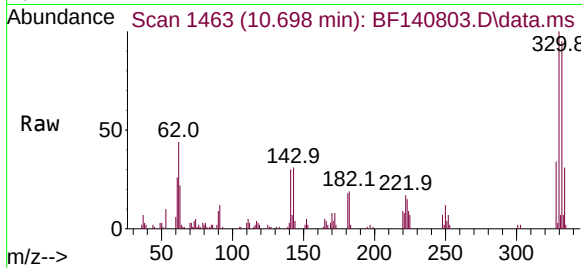
Tgt Ion:330 Resp: 25723

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

141 33.0 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 21.565 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

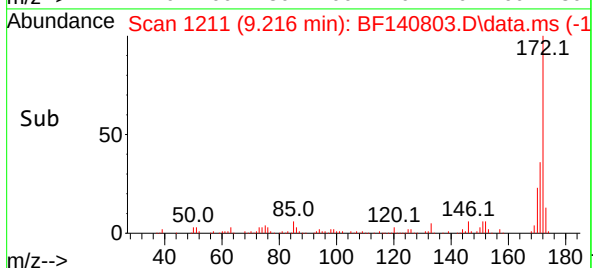
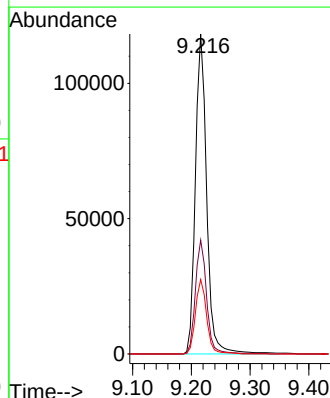
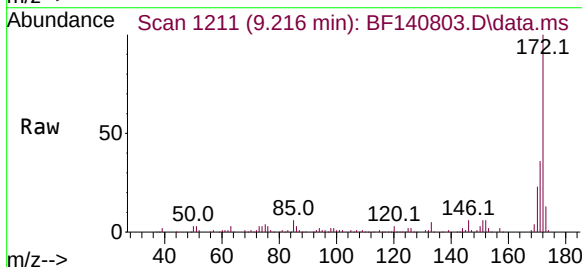
Tgt Ion:172 Resp: 157561

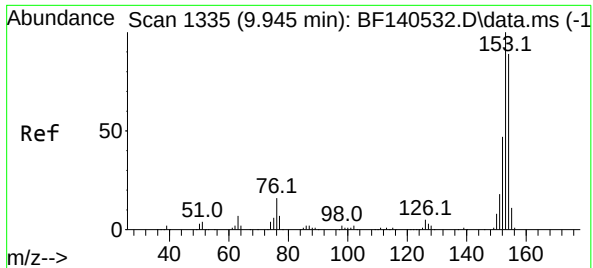
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.3 19.0 28.6

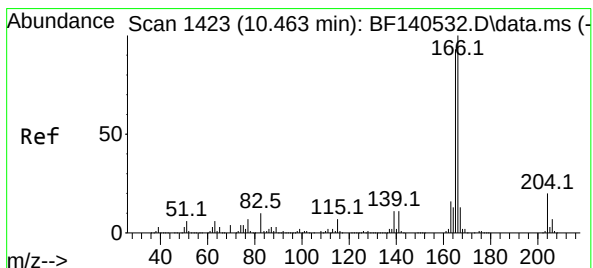
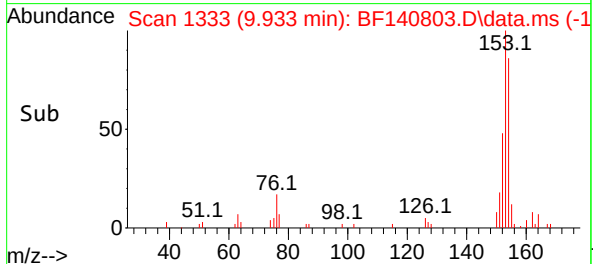
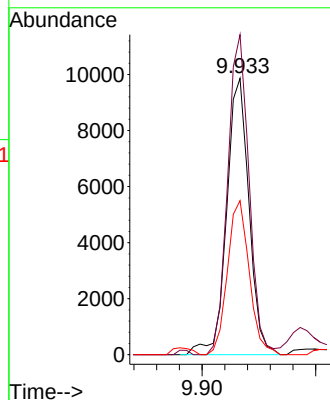
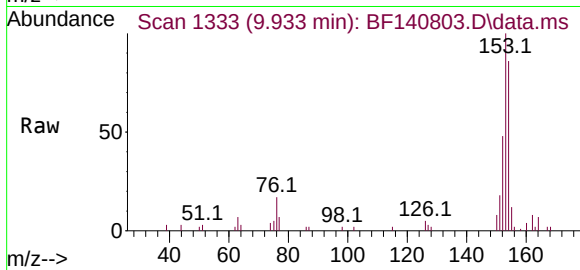




#52
Acenaphthene
Concen: 2.280 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

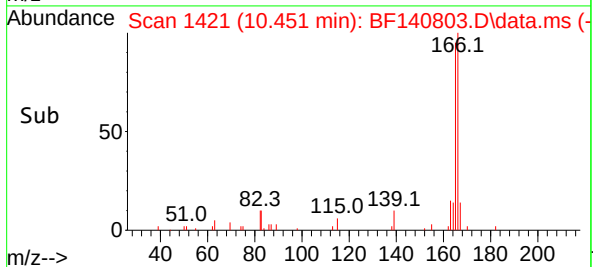
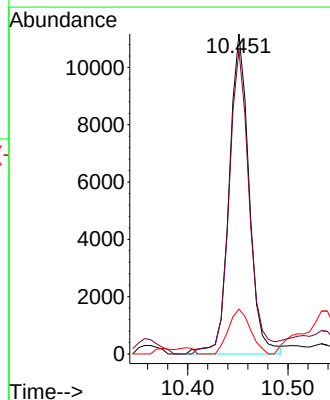
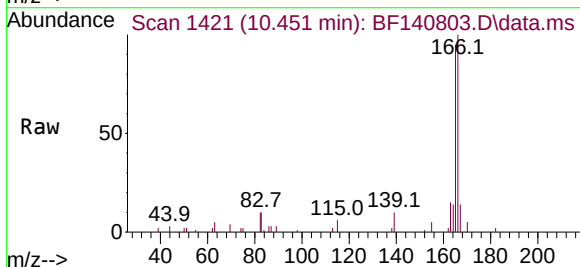
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

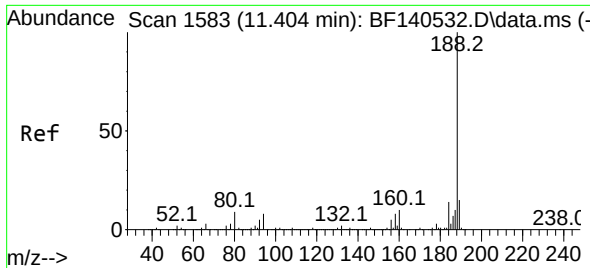
Tgt Ion:154 Resp: 13482
Ion Ratio Lower Upper
154 100
153 115.8 89.7 134.5
152 55.7 42.5 63.7



#58
Fluorene
Concen: 2.122 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:166 Resp: 15363
Ion Ratio Lower Upper
166 100
165 94.9 74.6 111.8
167 14.0 10.6 16.0

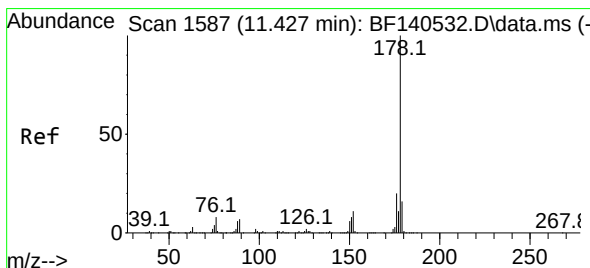
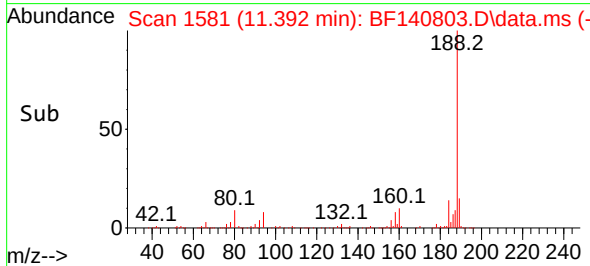
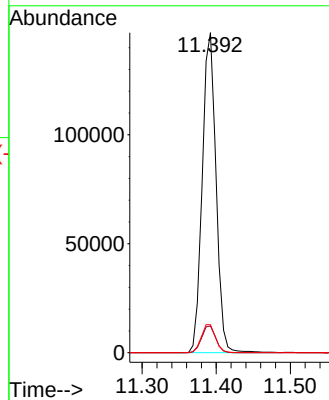
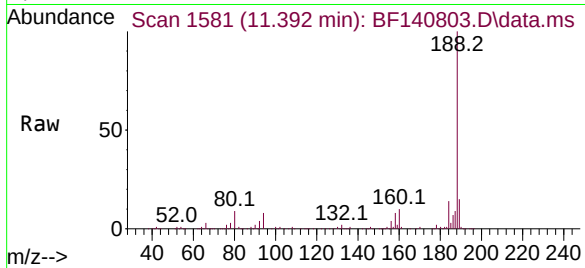




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

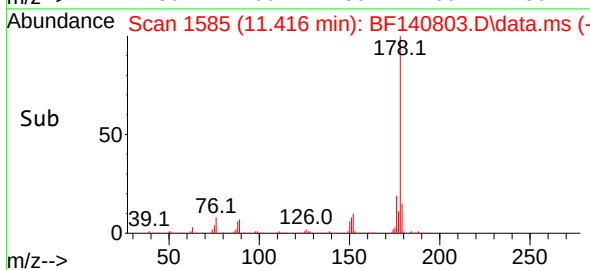
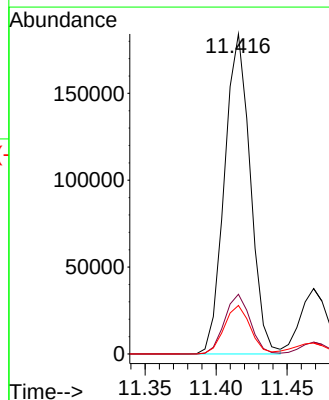
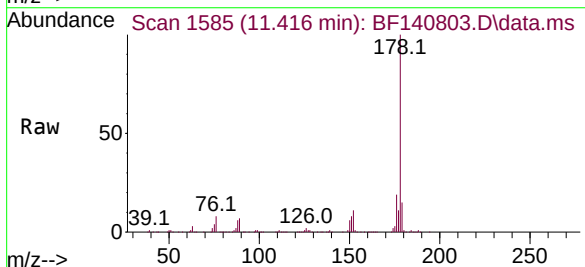
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

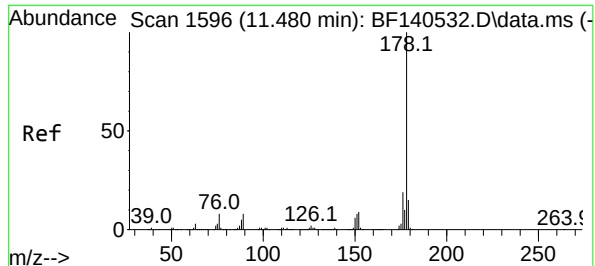
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.4	9.6
80	8.7	6.9	10.3



#71
Phenanthrene
Concen: 25.471 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.2	12.4	18.6

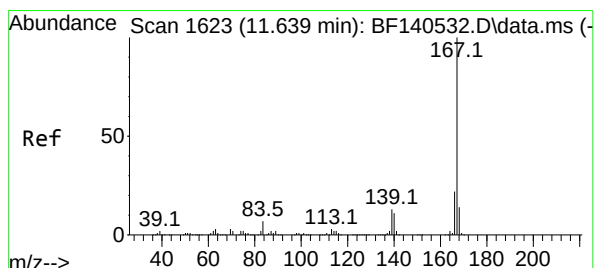
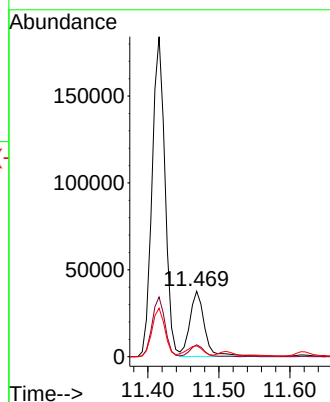
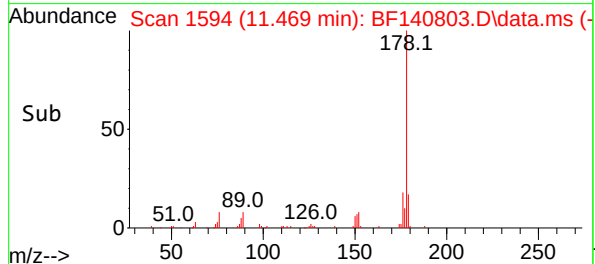
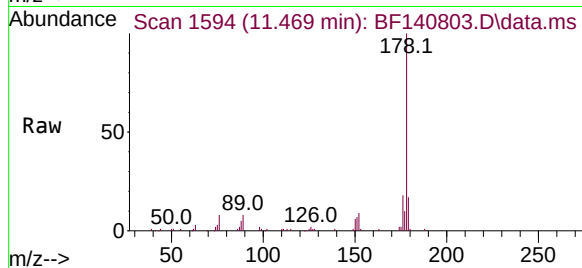




#72
Anthracene
Concen: 6.035 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

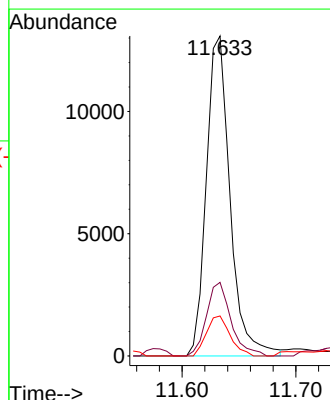
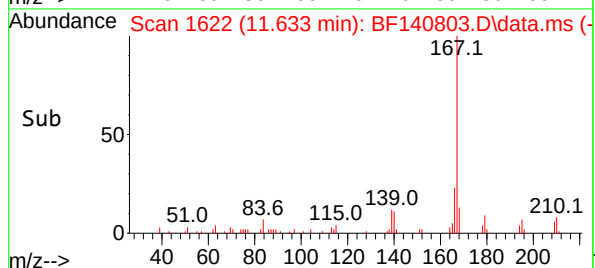
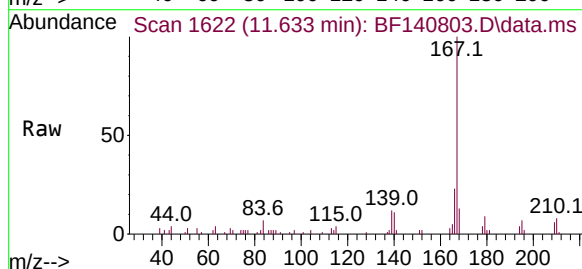
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

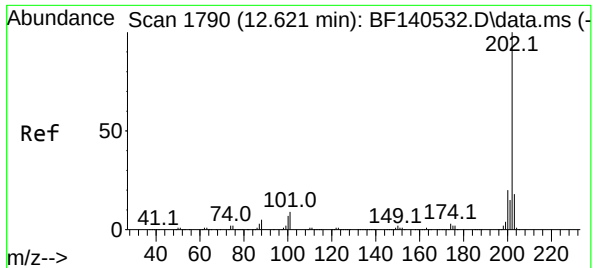
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	16.5	12.2	18.4



#73
Carbazole
Concen: 2.208 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.2	25.8
139	12.5	10.6	15.8

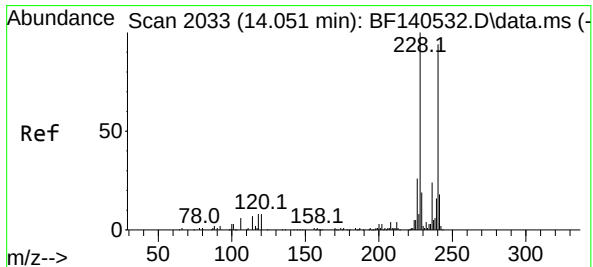
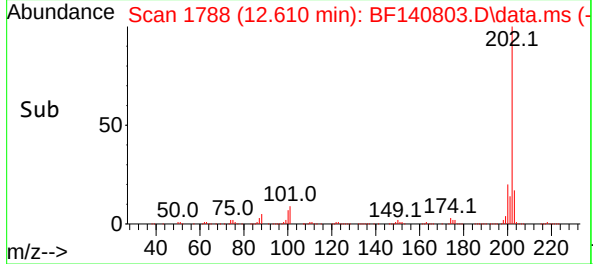
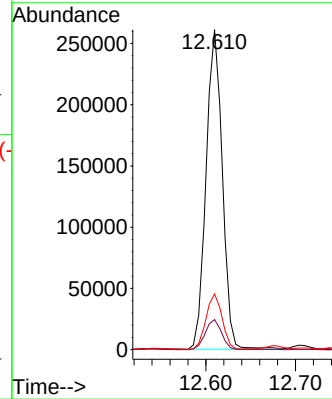
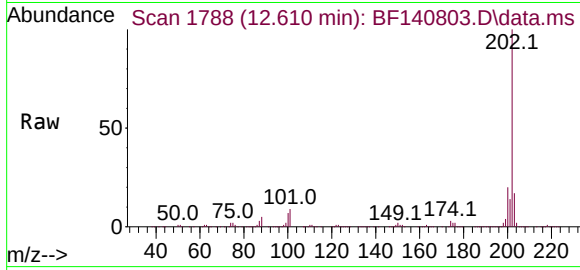




#75
Fluoranthene
Concen: 33.086 ng
RT: 12.610 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

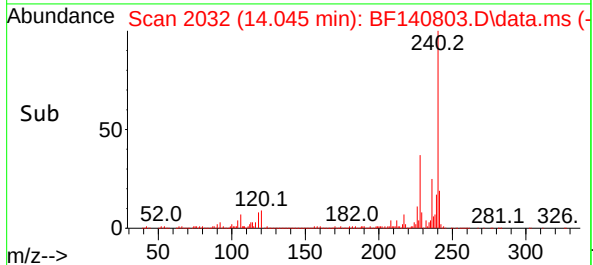
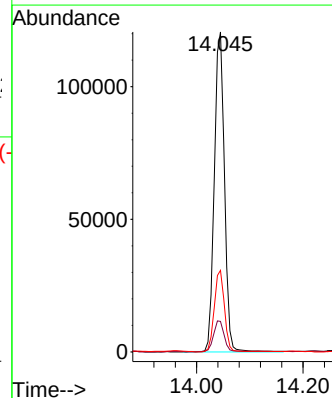
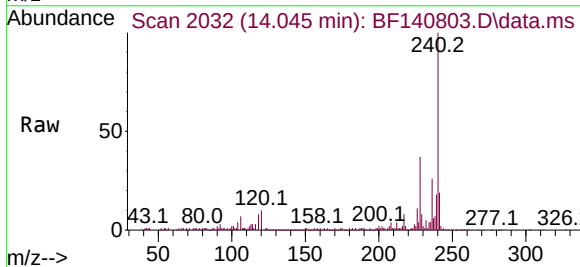
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

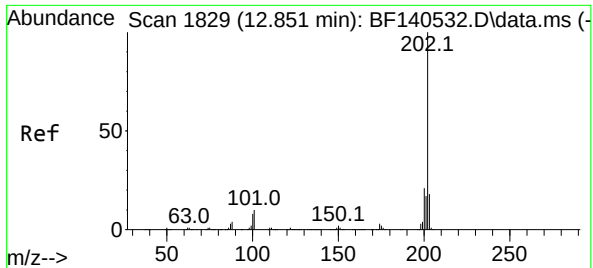
Tgt Ion:202 Resp: 328327
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.9
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:240 Resp: 160012
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 25.5 20.6 31.0

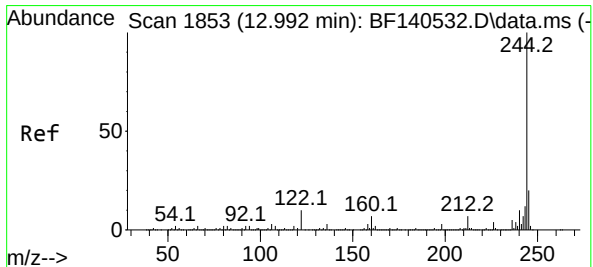
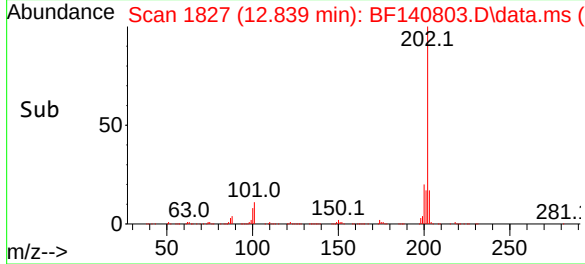
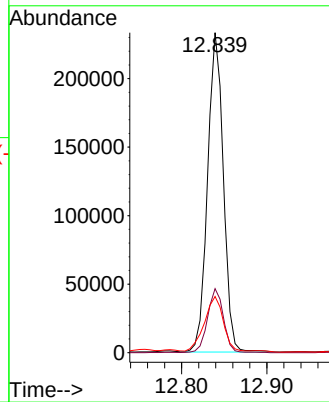
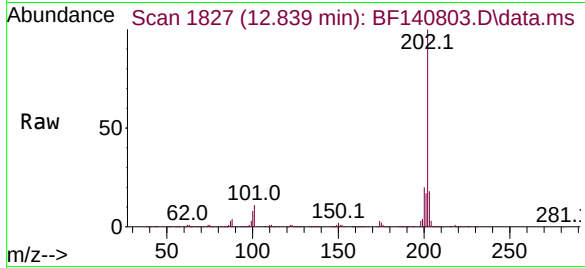




#78
Pyrene
Concen: 20.290 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

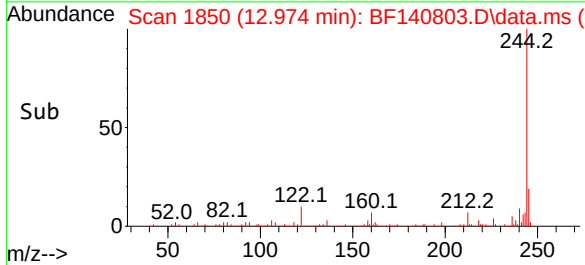
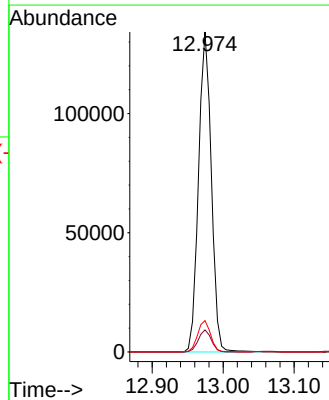
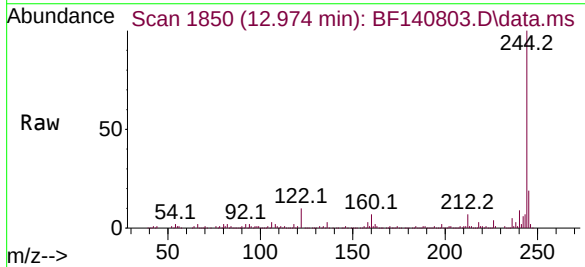
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

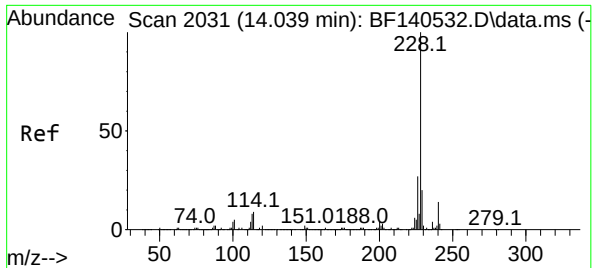
Tgt Ion:202 Resp: 300194
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 17.6 14.2 21.4



#79
Terphenyl-d14
Concen: 16.380 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.018 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:244 Resp: 168319
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 9.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 13.928 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

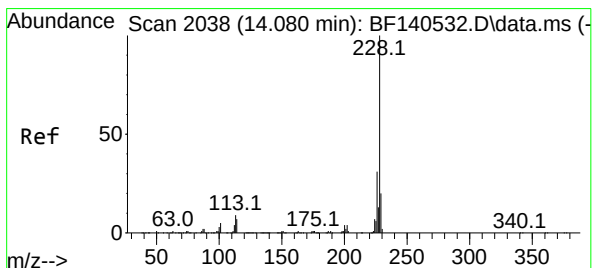
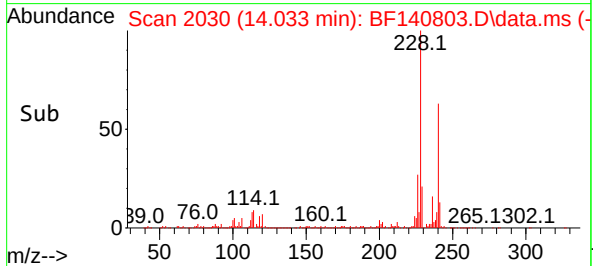
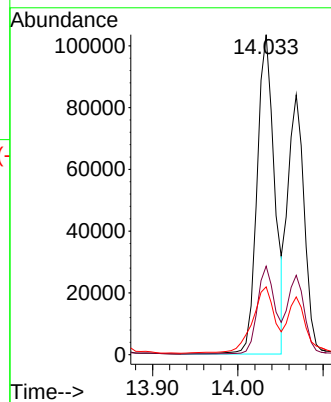
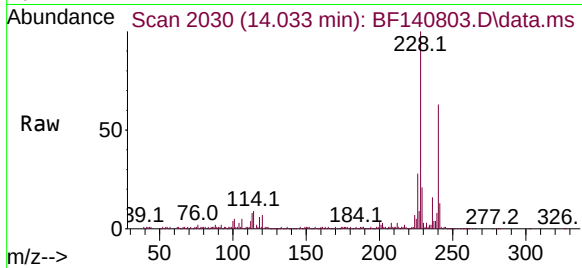
Tgt Ion:228 Resp: 147528

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

229 21.2 15.8 23.6



#83

Chrysene

Concen: 11.485 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

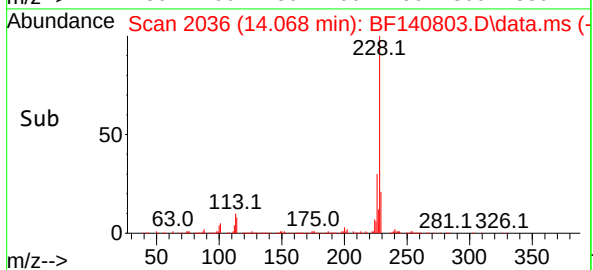
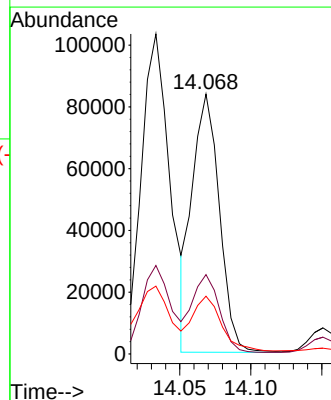
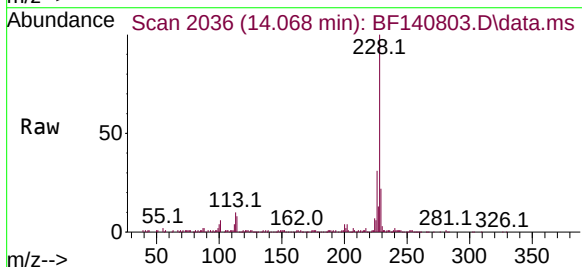
Tgt Ion:228 Resp: 111233

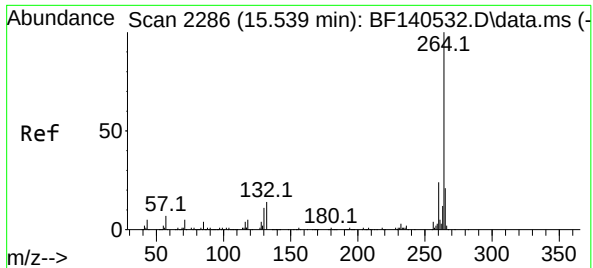
Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

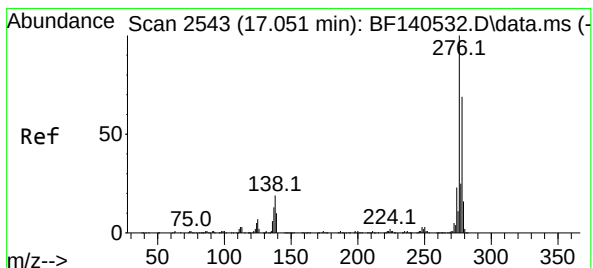
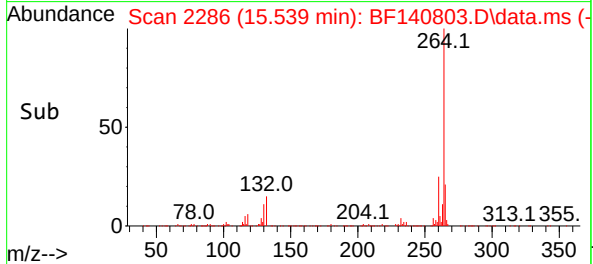
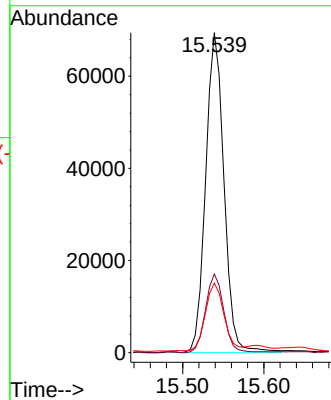
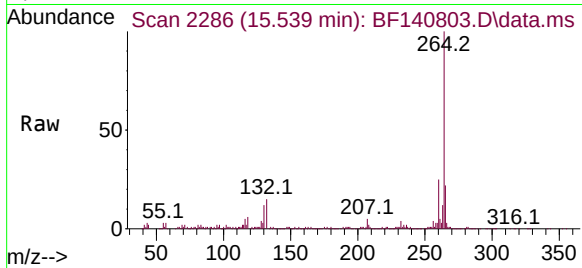
Tgt Ion:264 Resp: 109017

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 21.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.707 ng

RT: 17.056 min Scan# 2544

Delta R.T. 0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

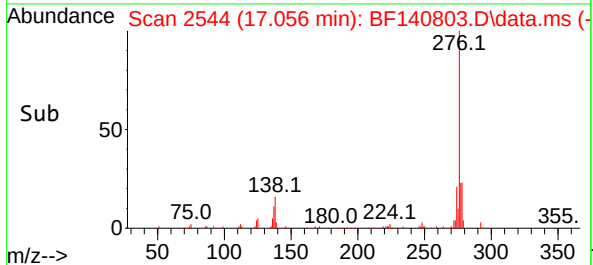
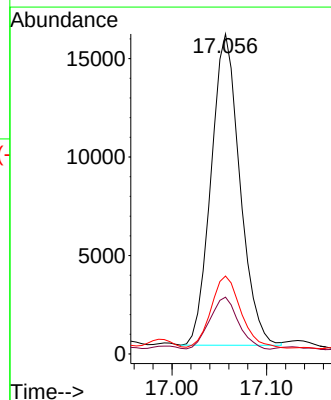
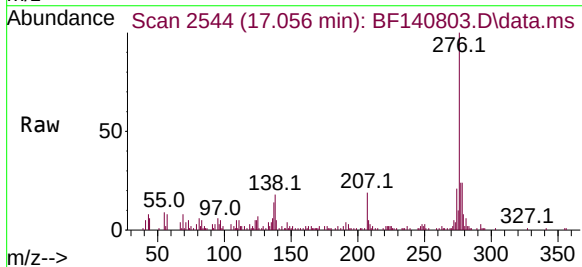
Tgt Ion:276 Resp: 33442

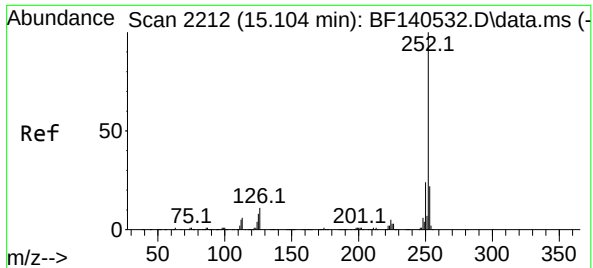
Ion Ratio Lower Upper

276 100

138 17.0 15.5 23.3

277 24.1 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 15.598 ng m

RT: 15.104 min Scan# 2115

Delta R.T. -0.000 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

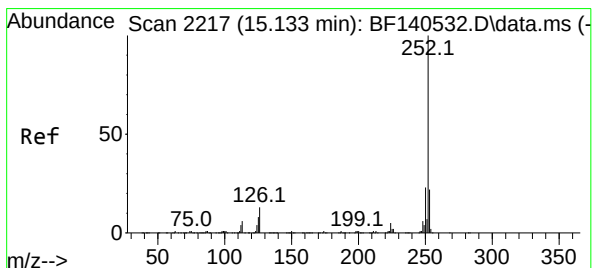
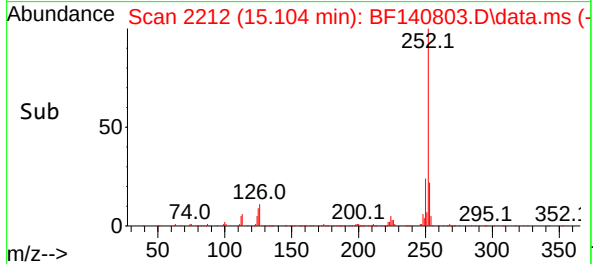
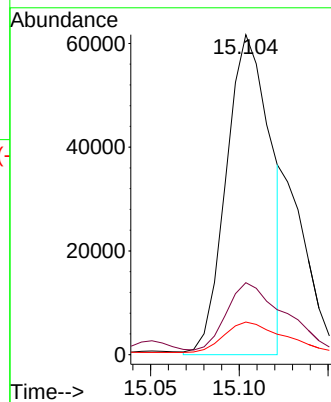
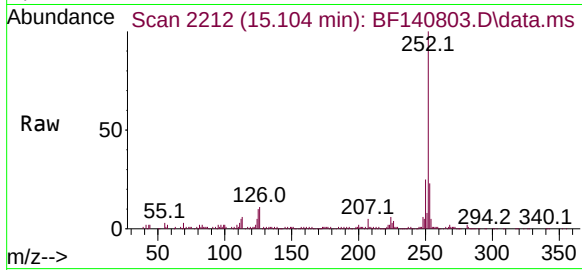
Tgt Ion:252 Resp: 106809

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 10.2 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 5.733 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

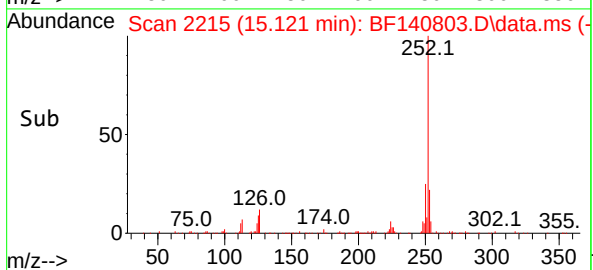
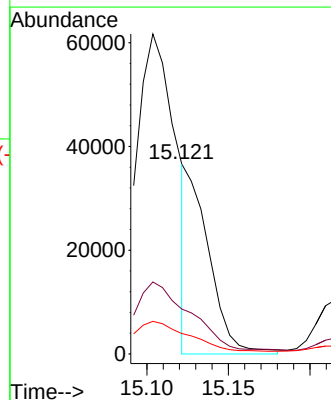
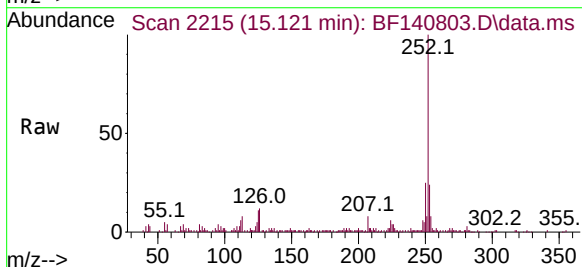
Tgt Ion:252 Resp: 34353

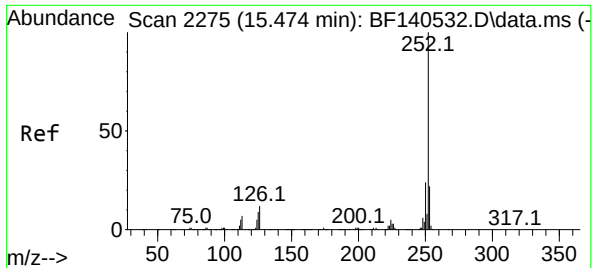
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 10.8 6.5 9.7#

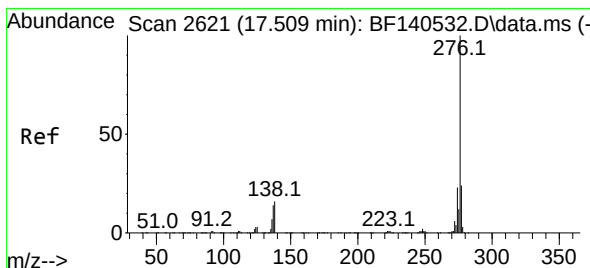
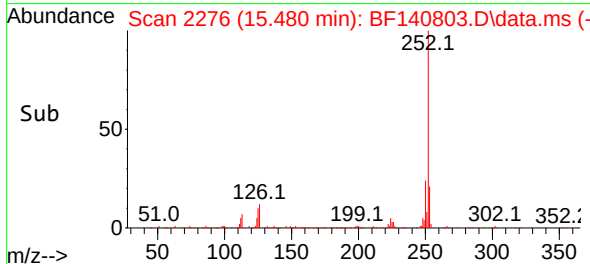
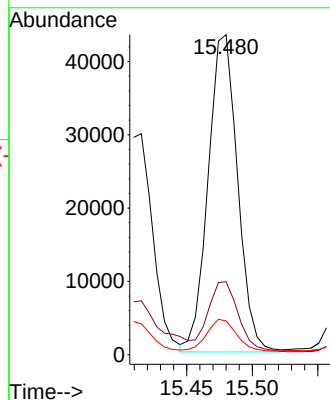
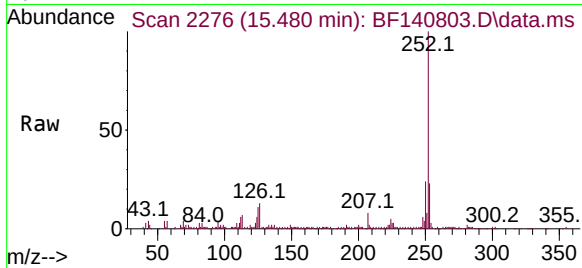




#90
Benzo(a)pyrene
Concen: 12.176 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

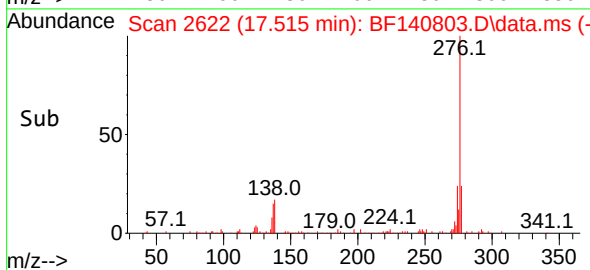
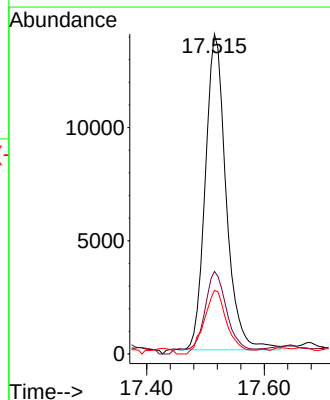
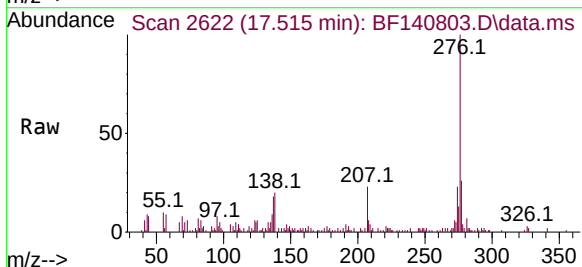
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

Tgt Ion:252 Resp: 67792
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 10.6 7.0 10.6#



#92
Benzo(g,h,i)perylene
Concen: 5.763 ng
RT: 17.515 min Scan# 2622
Delta R.T. 0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:276 Resp: 34217
Ion Ratio Lower Upper
276 100
277 25.8 18.9 28.3
138 19.9 13.2 19.8#





CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02
 Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112
 Instrument ID: BNA_F Calibration Date(s): 11/21/2024 11/21/2024
 Calibration Time(s): 11:13 14:18

LAB FILE ID:		RRF2.5 = BF140528.D		RRF005 = BF140529.D		RRF010 = BF140530.D		
		RRF020 = BF140531.D		RRF040 = BF140532.D		RRF050 = BF140533.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.172	5.4
Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.550	7.1
Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.391	3.2
Naphthalene		1.116	1.075	1.062	1.013	0.993	1.030	5.3
2-Fluorobiphenyl		1.550	1.402	1.423	1.291	1.255	1.342	8.9
Acenaphthylene		1.890	1.765	1.808	1.662	1.628	1.710	6.6
Acenaphthene		1.182	1.110	1.134	1.063	1.052	1.086	5.3
Fluorene		1.509	1.409	1.399	1.295	1.263	1.330	8.4
2,4,6-Tribromophenol		0.222	0.209	0.220	0.216	0.210	0.214	2.5
Phenanthrene		1.074	1.020	0.970	0.944	0.925	0.961	6.9
Anthracene		1.038	0.994	0.958	0.925	0.905	0.940	6.5
Fluoranthene		1.186	1.111	1.114	1.014	0.999	1.044	9.1
Pyrene		1.905	1.801	1.897	1.853	1.791	1.849	2.8
Terphenyl-d14		1.351	1.254	1.308	1.283	1.228	1.284	3.3
Benzo (a) anthracene		1.409	1.319	1.379	1.286	1.295	1.324	4.3
Chrysene		1.354	1.263	1.218	1.201	1.137	1.211	6.5
Benzo (b) fluoranthene		1.347	1.256	1.380	1.186	1.248	1.256	6.4
Benzo (k) fluoranthene		1.243	1.236	1.059	1.101	1.022	1.099	9.3
Benzo (a) pyrene		1.062	1.050	1.063	1.007	0.998	1.021	3.8
Indeno (1,2,3-cd) pyrene		1.209	1.283	1.299	1.304	1.306	1.303	4.5
Dibenzo (a,h) anthracene		1.015	1.038	1.063	1.068	1.075	1.067	3.9
Benzo (g,h,i) perylene		1.033	1.090	1.078	1.085	1.094	1.089	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF112124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 21 15:23:48 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF140535.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493		8.46
3)	Pyridine	0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084		6.54
4)	n-Nitrosodimet...	0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637		3.15
5) S	2-Fluorophenol	1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172		5.40
6)	Aniline	1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091		12.73
7) S	Phenol-d6	1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550		7.14
8)	2-Chlorophenol	1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261		6.51
9)	Benzaldehyde		1.007	0.970	0.738	0.752	0.635		0.820		19.55
10) C	Phenol	1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583		6.98
11)	bis(2-Chloroet...	1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211		4.56
12)	1,3-Dichlorobe...	1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417		7.31
13) C	1,4-Dichlorobe...	1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435		7.04
14)	1,2-Dichlorobe...	1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344		7.71
15)	Benzyl Alcohol	1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149		5.98
16)	2,2'-oxybis(1-...	1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431		8.43
17)	2-Methylphenol	1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009		6.74
18)	Hexachloroethane	0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536		6.17
19) P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)	3+4-Methylphenols	1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298		8.98
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488		5.75
23) S	Nitrobenzene-d5	0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391		3.21
24)	Nitrobenzene	0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404		4.35
25)	Isophorone	0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652		3.44
26) C	2-Nitrophenol	0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179		2.17
27)	2,4-Dimethylph...	0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214		3.40
28)	bis(2-Chloroet...	0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397		4.37
29) C	2,4-Dichloroph...	0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284		3.82
30)	1,2,4-Trichlor...	0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324		3.91
31)	Naphthalene	1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030		5.32
32)	Benzoic acid		0.101	0.126	0.177	0.185	0.192	0.202	0.164		24.72
33)	4-Chloroaniline	0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308		3.71
34) C	Hexachlorobuta...	0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215		4.15
35)	Caprolactam	0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088		3.99
36) C	4-Chloro-3-met...	0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318		4.95
37)	2-Methylnaphth...	0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654		6.09
38)	1-Methylnaphth...	0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641		5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF112124.M

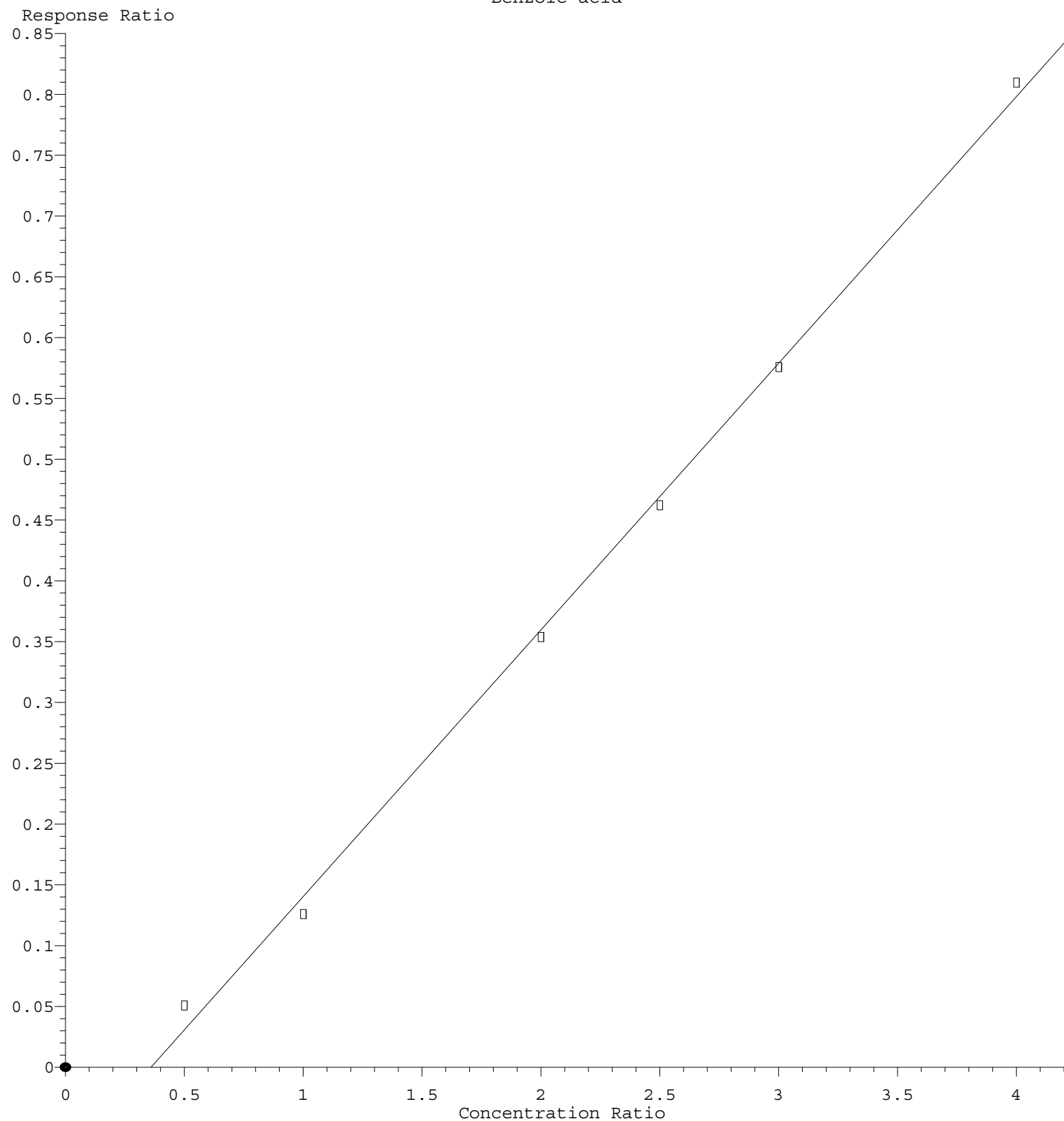
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02
41) P	Hexachlorocycl...		0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80
42) S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52
43) C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45
44)	2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80
45) S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90
46)	1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50
47)	2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39
48)	2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50
49)	Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58
50)	Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28
51)	2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24
52) C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29
53)	3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71
54) P	2,4-Dinitrophenol		0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70
55)	Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53
56) P	4-Nitrophenol		0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31
57)	2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24
58)	Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37
59)	2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72
60)	Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66
61)	4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90
62)	4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67
63)	Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74
66) c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39
67)	4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79
68)	Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65
69)	Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37
70) C	Pentachlorophenol		0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24
71)	Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87
72)	Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47
73)	Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75
74)	Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56
75) C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31
78)	Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79
79) S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31
80)	Butylbenzylphth...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96
81)	Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30
82)	3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03
83)	Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50
84)	Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00
85) c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.209 1.283 1.299 1.304 1.306 1.409 1.313 1.303	4.51
88)	Benzo(b)fluora...	1.347 1.256 1.380 1.186 1.248 1.207 1.168 1.256	6.41
89)	Benzo(k)fluora...	1.243 1.236 1.059 1.101 1.022 1.055 0.980 1.099	9.34
90) C	Benzo(a)pyrene	1.062 1.050 1.063 1.007 0.998 1.014 0.957 1.021	3.81
91)	Dibenzo(a,h)an...	1.015 1.038 1.063 1.068 1.075 1.149 1.064 1.067	3.90
92)	Benzo(g,h,i)pe...	1.033 1.090 1.078 1.085 1.094 1.161 1.083 1.089	3.48

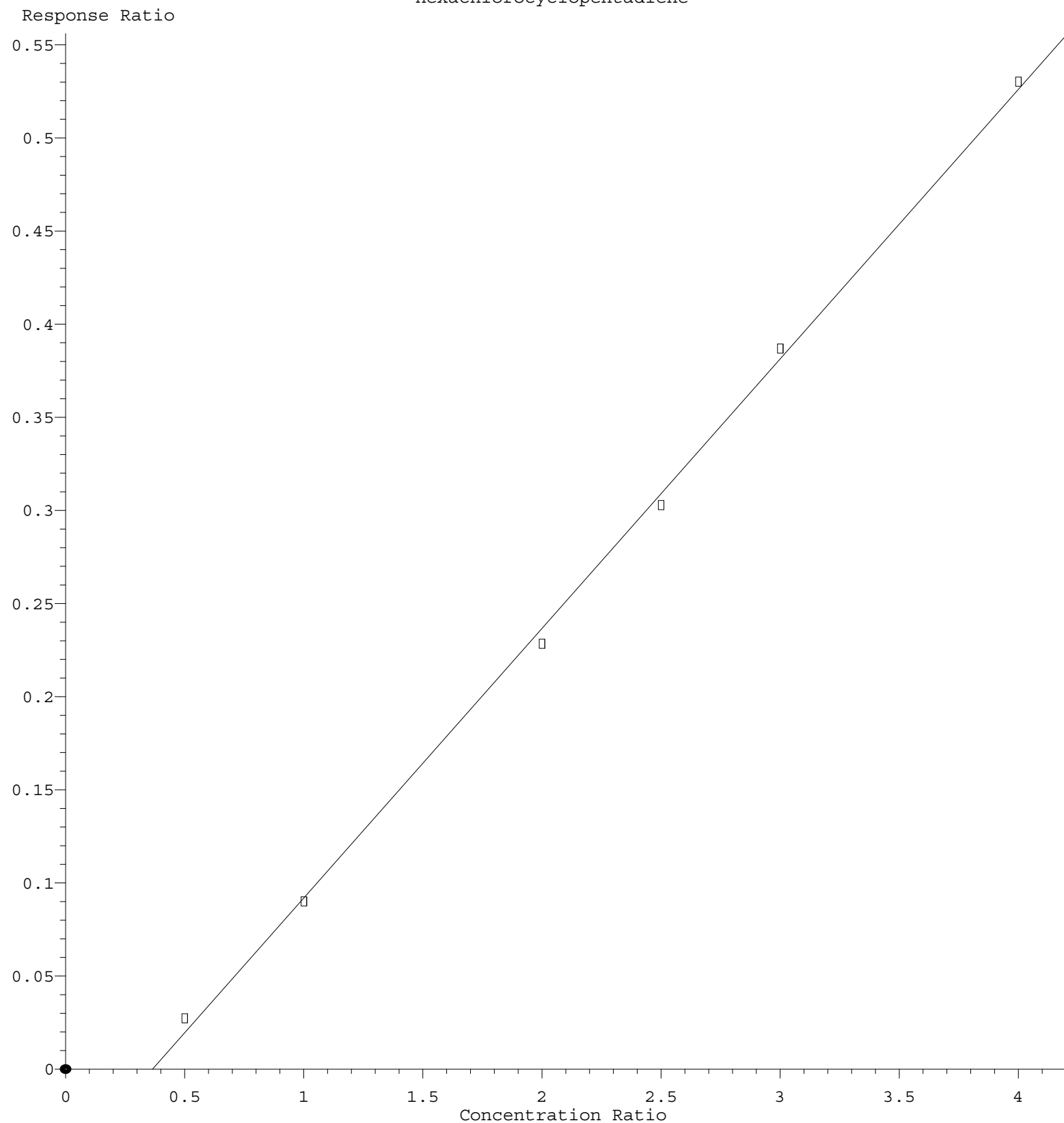
(#) = Out of Range

Benzoic acid



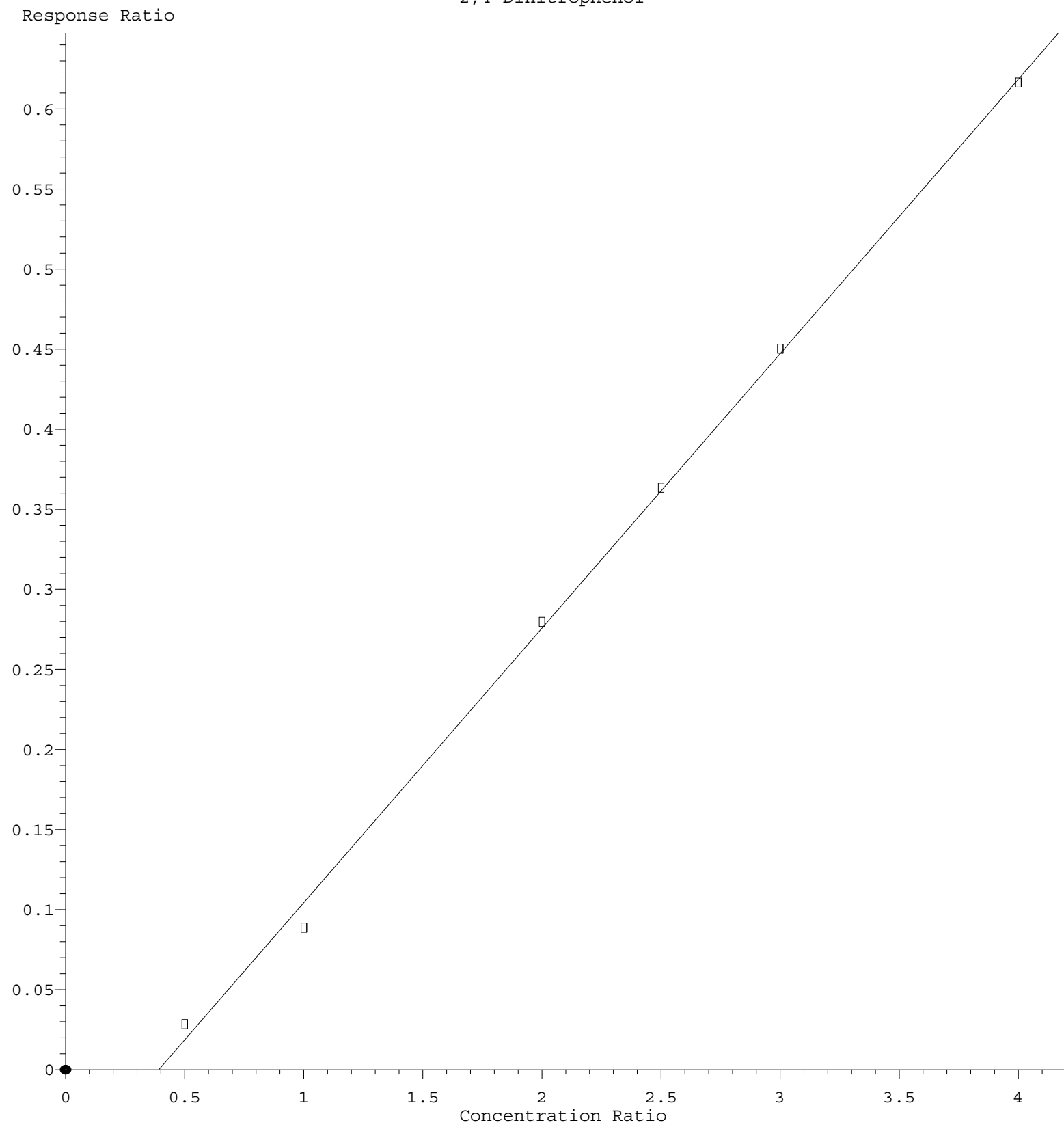
$\text{Response} = 2.193\text{e-}001 * \text{Amt} - 7.887\text{e-}002$
 Coef of Det (r^2) = 0.997922 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
 Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

Hexachlorocyclopentadiene



Response = $1.448 \times 10^{-1} \times \text{Amt} - 5.280 \times 10^{-2}$
Coef of Det (r^2) = 0.998763 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

2,4-Dinitrophenol



$$\text{Response} = 1.715\text{e-}001 * \text{Amt} - 6.708\text{e-}002$$

Coef of Det (r^2) = 0.998475 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M

Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140528.D
 Acq On : 21 Nov 2024 11:13
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Nov 21 15:08:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

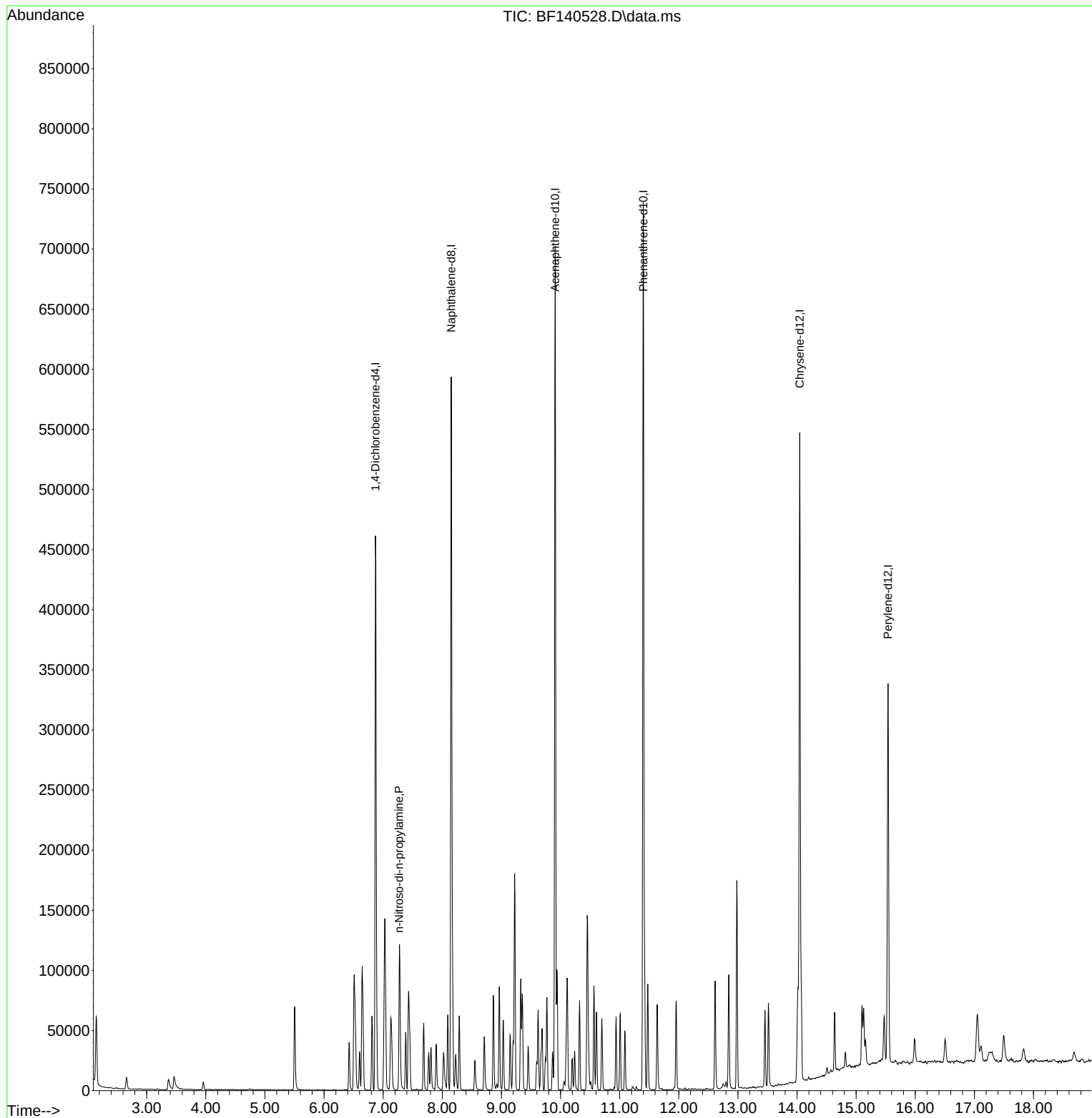
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	98970	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	372671	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	211504	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	393771	20.000	ng	0.00
76) Chrysene-d12	14.045	240	232997	20.000	ng	0.00
86) Perylene-d12	15.539	264	178104	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...	7.269	70	12029	2.654	ng	98

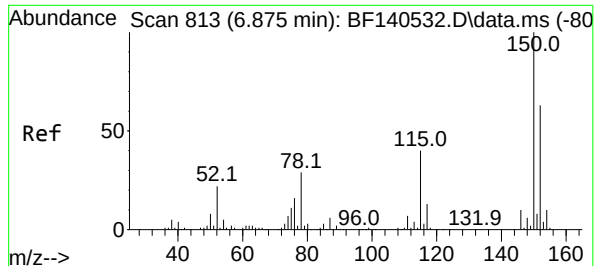
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140528.D
Acq On : 21 Nov 2024 11:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 21 15:08:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.869 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

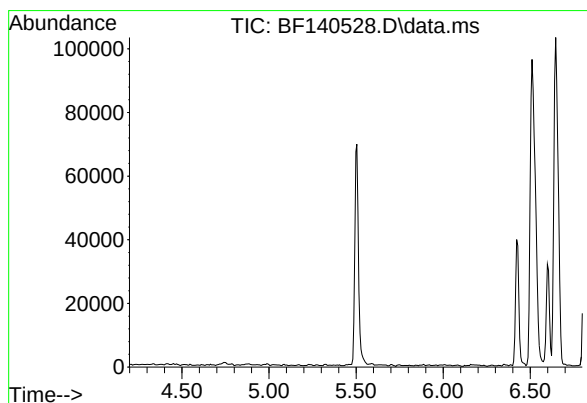
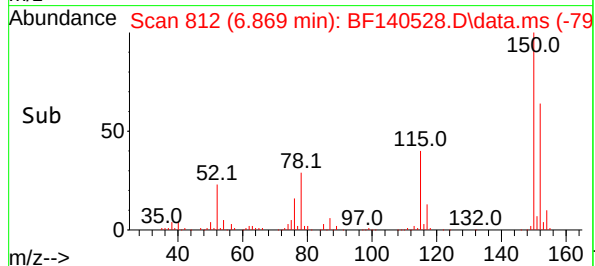
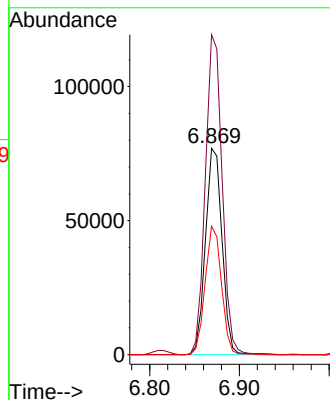
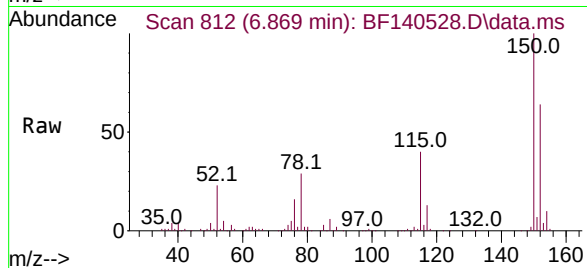
Tgt Ion:152 Resp: 98970

Ion Ratio Lower Upper

152 100

150 155.1 128.5 192.7

115 62.3 50.2 75.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.50 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

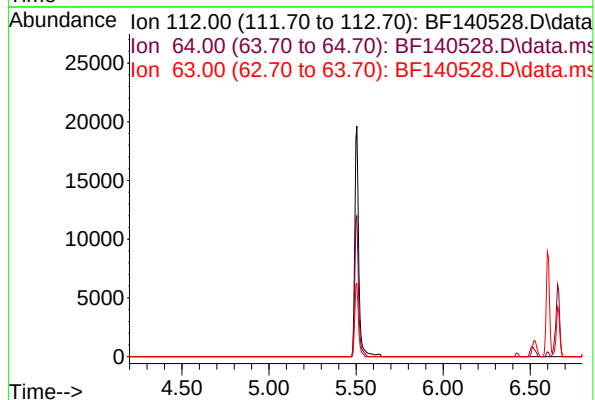
Tgt Ion: 112

Sig Exp Ratio

112 100

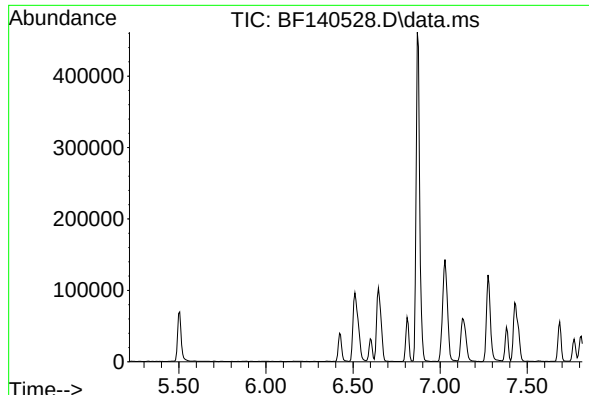
64 61.5

63 33.7



Ion 64.00 (63.70 to 64.70): BF140528.D\data.ms

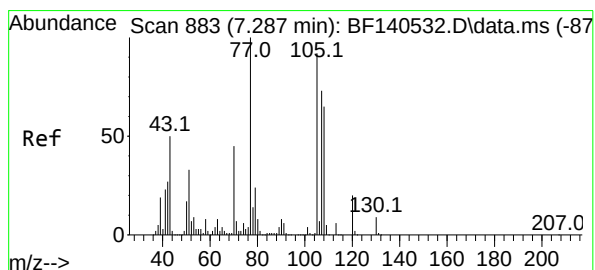
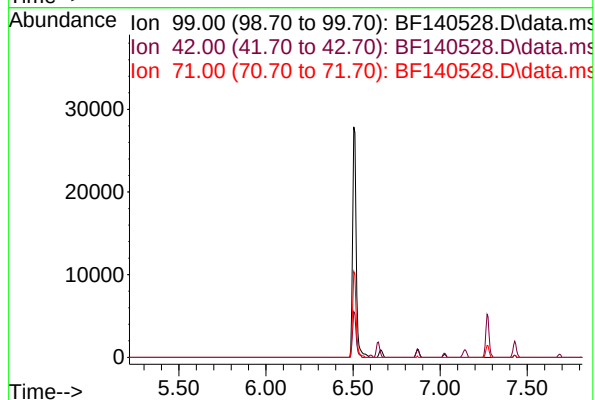
Ion 63.00 (62.70 to 63.70): BF140528.D\data.ms



#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min
Lab File: BF140528.D
Acq: 21 Nov 2024 11:13

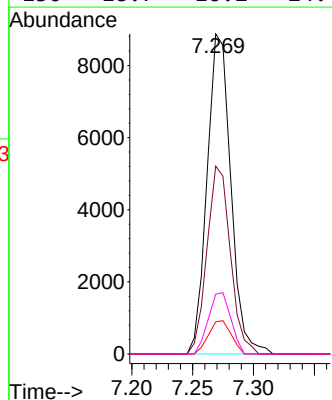
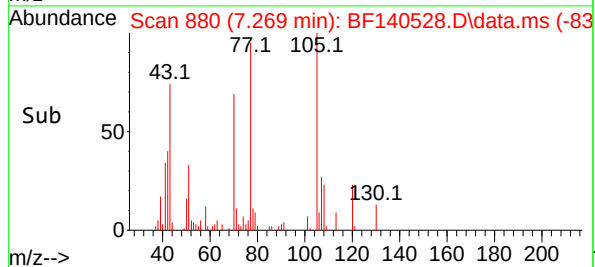
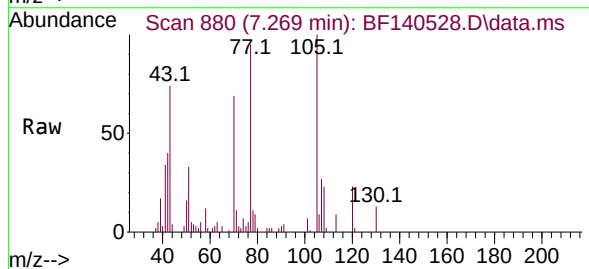
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

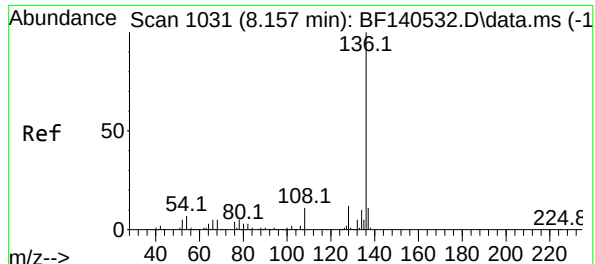
Tgt Ion: 99
Sig Exp Ratio
99 100
42 19.2
71 38.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.654 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.018 min
Lab File: BF140528.D
Acq: 21 Nov 2024 11:13

Tgt Ion: 70 Resp: 12029
Ion Ratio Lower Upper
70 100
42 58.7 47.6 71.4
101 10.0 7.6 11.4
130 18.7 16.2 24.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF140528.D

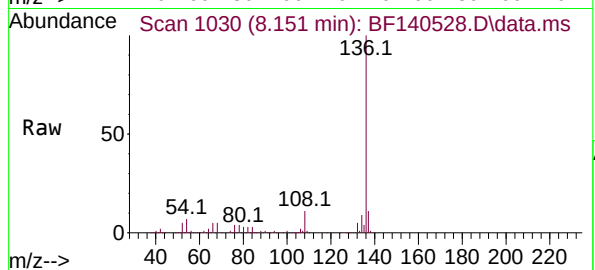
Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

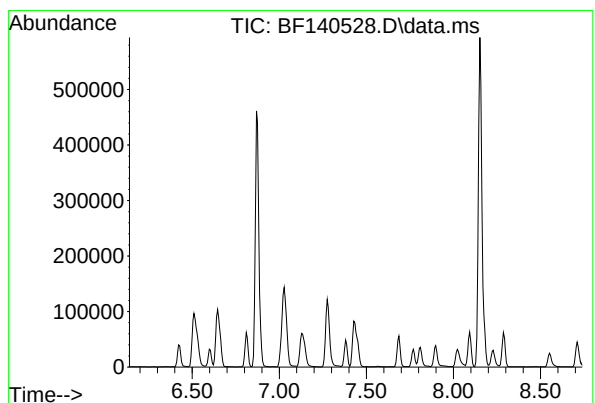
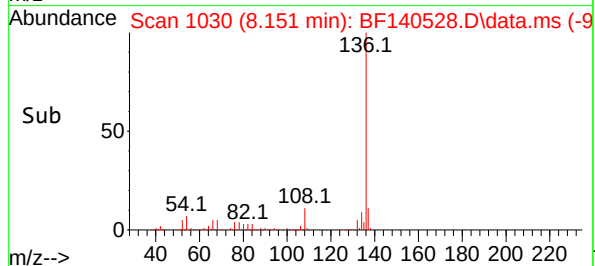
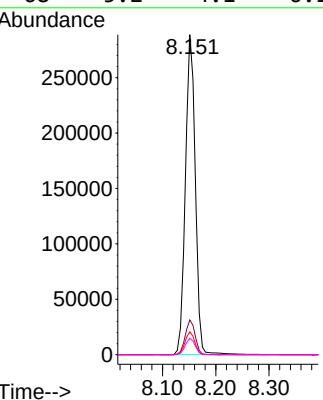
ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 372671

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.2	5.8	8.8
68	5.2	4.1	6.1



#23

Nitrobenzene-d5

Concen: 0.000 ng

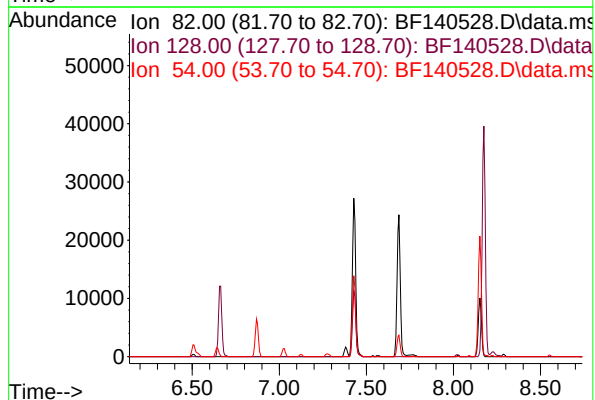
Expected RT: 7.44 min

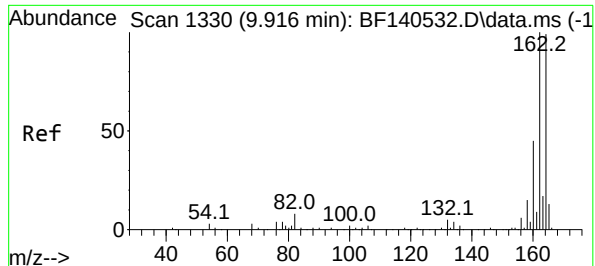
Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.2
54	49.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140528.D

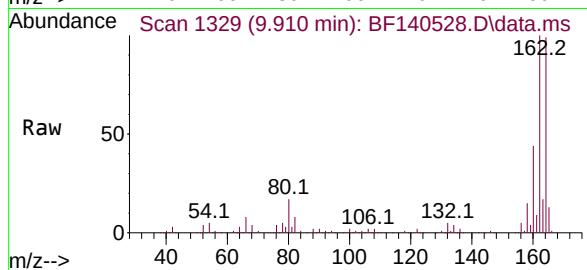
Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

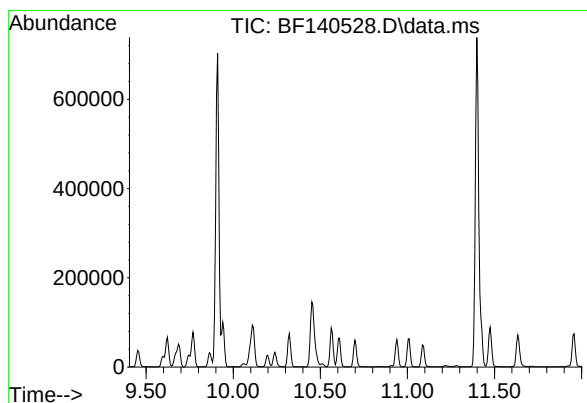
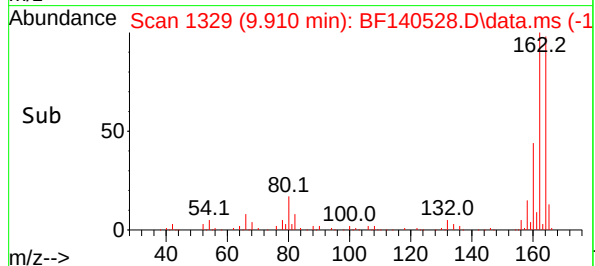
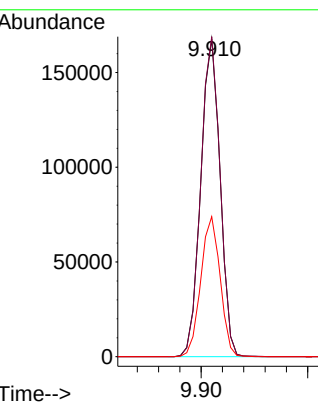
ClientSampleId :

SSTDICC2.5



Tgt Ion:164 Resp: 211504

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.1	36.2	54.4



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

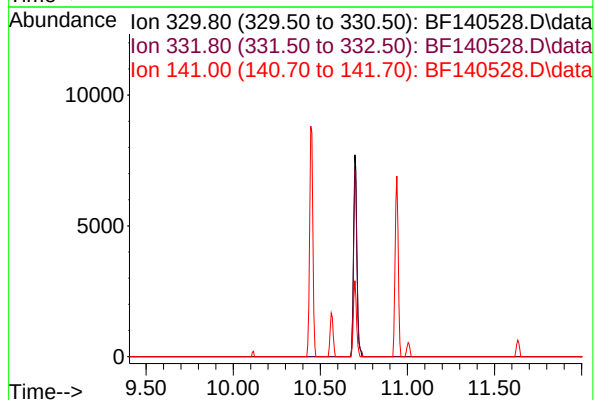
Expected RT: 10.70 min

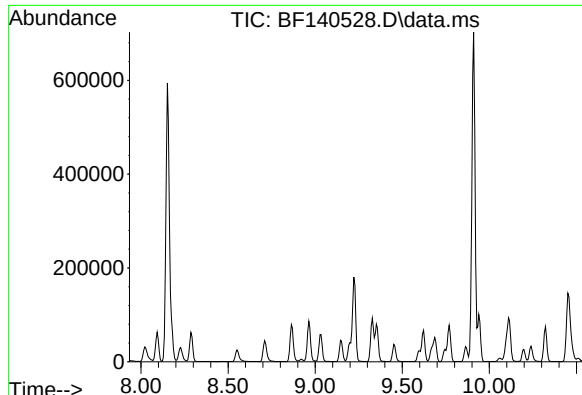
Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	33.4





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.23 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

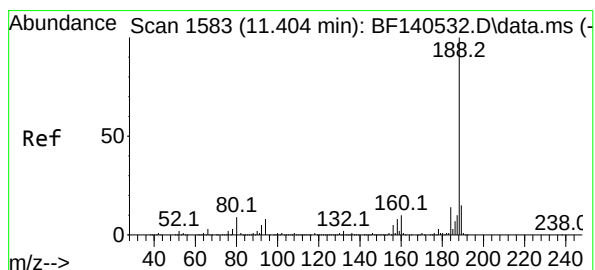
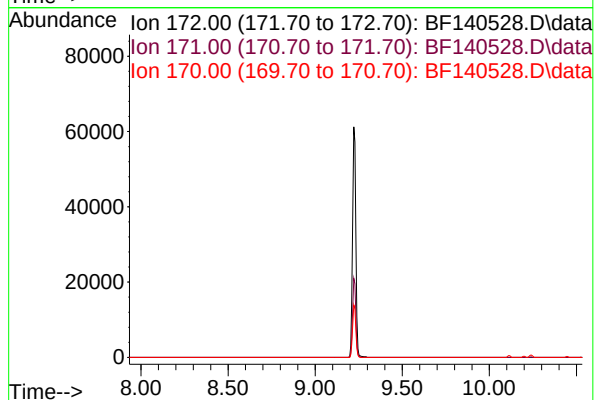
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.5

170 23.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

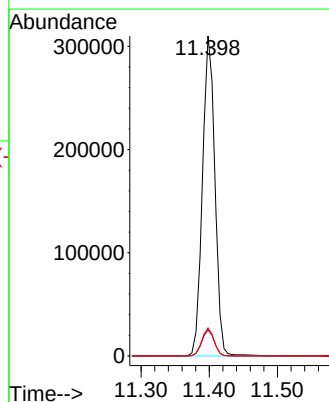
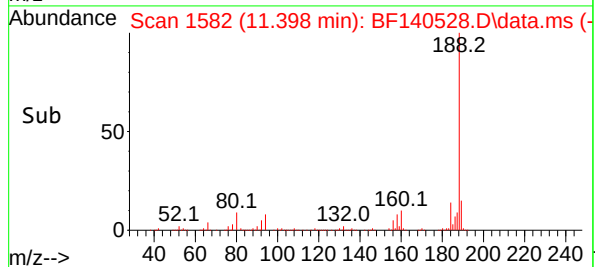
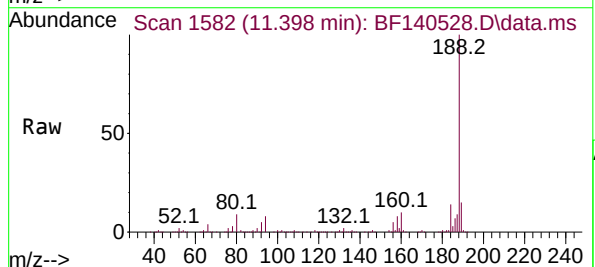
Tgt Ion:188 Resp: 393771

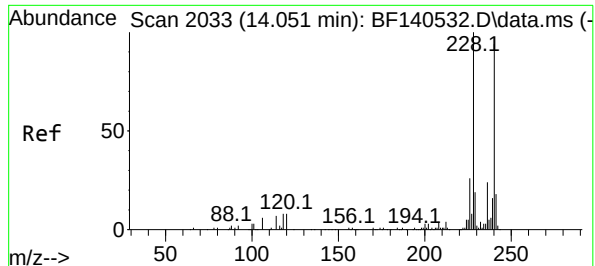
Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 8.7 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

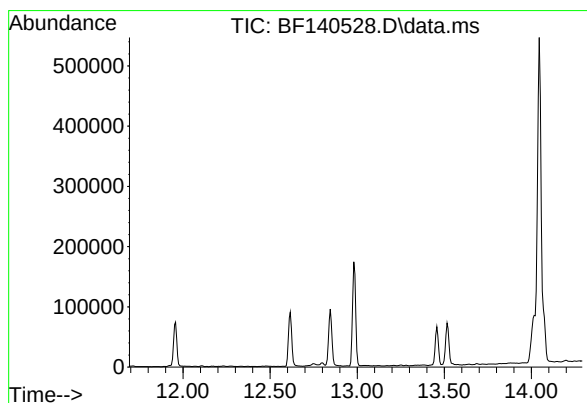
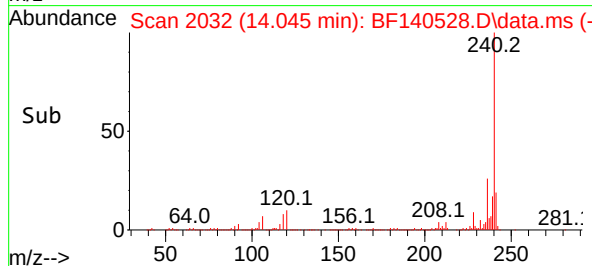
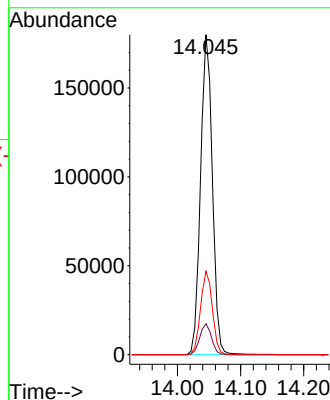
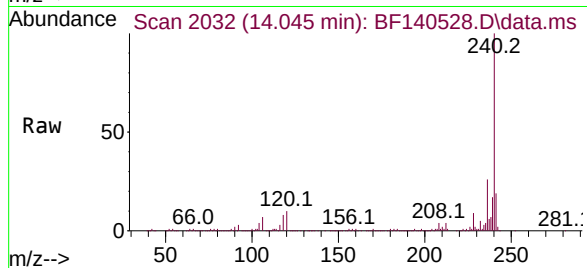
Tgt Ion:240 Resp: 232997

Ion Ratio Lower Upper

240 100

120 9.7 7.3 10.9

236 26.1 20.6 31.0



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 12.99 min

Lab File: BF140528.D

Acq: 21 Nov 2024 11:13

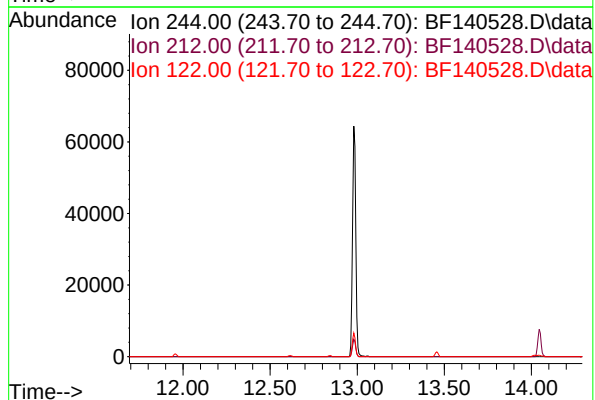
Tgt Ion: 244

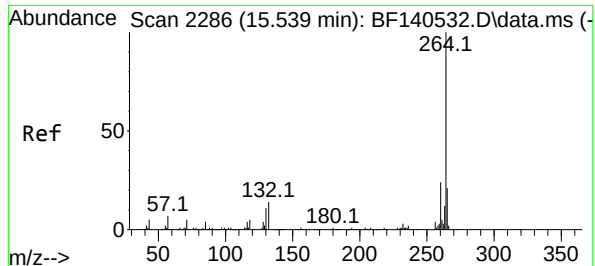
Sig Exp Ratio

244 100

212 7.3

122 10.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140528.D

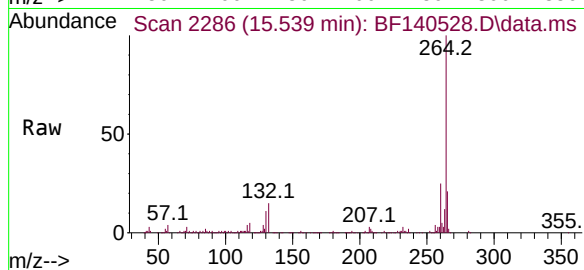
Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



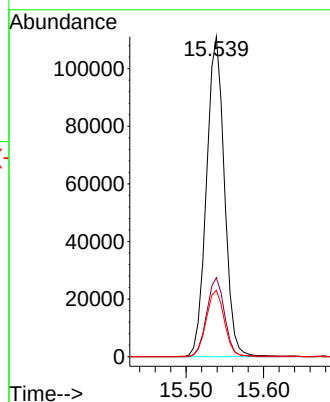
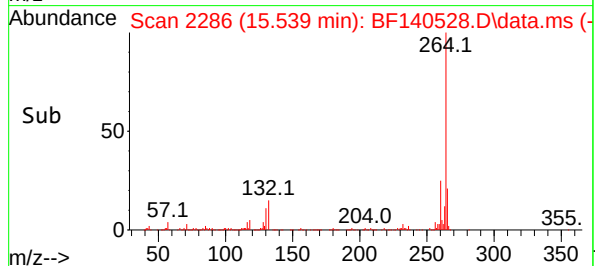
Tgt Ion:264 Resp: 178104

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

265 20.7 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140529.D
 Acq On : 21 Nov 2024 11:39
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Nov 21 15:09:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	104134	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	395935	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	219293	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	428851	20.000	ng	0.00
76) Chrysene-d12	14.045	240	270381	20.000	ng	0.00
86) Perylene-d12	15.533	264	205006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	65659	10.758	ng	0.00
7) Phenol-d6	6.504	99	90026	11.158	ng	-0.01
23) Nitrobenzene-d5	7.428	82	80941	10.457	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	24342	10.379	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	170000	11.550	ng	-0.01
79) Terphenyl-d14	12.980	244	182707	10.522	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	13033	5.079	ng	99
3) Pyridine	3.440	79	25544	4.524	ng	98
4) n-Nitrosodimethylamine	3.358	42	16043	4.835	ng	# 98
6) Aniline	6.534	93	30162	5.311	ng	# 85
8) 2-Chlorophenol	6.657	128	36046	5.490	ng	99
10) Phenol	6.522	94	44852	5.443	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	33630	5.333	ng	99
12) 1,3-Dichlorobenzene	6.810	146	41643	5.644	ng	97
13) 1,4-Dichlorobenzene	6.887	146	42002	5.622	ng	98
14) 1,2-Dichlorobenzene	7.040	146	39138	5.591	ng	97
15) Benzyl Alcohol	7.010	79	32114	5.367	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	42946	5.765	ng	79
17) 2-Methylphenol	7.128	107	29188	5.553	ng	96
18) Hexachloroethane	7.381	117	15560	5.577	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	26085	5.470	ng	99
20) 3+4-Methylphenols	7.281	107	38915	5.760	ng	97
22) Acetophenone	7.275	105	53017	5.492	ng	95
24) Nitrobenzene	7.451	77	43460	5.432	ng	99
25) Isophorone	7.687	82	68701	5.321	ng	100
26) 2-Nitrophenol	7.769	139	17600	4.964	ng	100
27) 2,4-Dimethylphenol	7.804	122	21843	5.149	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	42337	5.383	ng	99
29) 2,4-Dichlorophenol	8.022	162	29819	5.305	ng	95
30) 1,2,4-Trichlorobenzene	8.092	180	33886	5.280	ng	99
31) Naphthalene	8.175	128	110501	5.418	ng	99
33) 4-Chloroaniline	8.228	127	30440	4.985	ng	97
34) Hexachlorobutadiene	8.287	225	22446	5.280	ng	99
35) Caprolactam	8.557	113	8985	5.165	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	34404	5.467	ng	99
37) 2-Methylnaphthalene	8.863	142	71706	5.536	ng	100
38) 1-Methylnaphthalene	8.963	142	69955	5.510	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	34836	5.426	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	21046	5.224	ng	99
44) 2,4,5-Trichlorophenol	9.192	196	22061	5.046	ng	99
46) 1,1'-Biphenyl	9.328	154	91336	5.579	ng	99
47) 2-Chloronaphthalene	9.351	162	68559	5.526	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140529.D
 Acq On : 21 Nov 2024 11:39
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

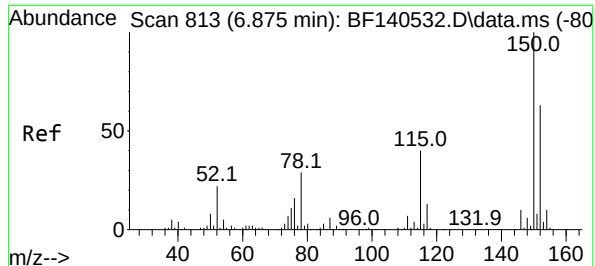
Quant Time: Nov 21 15:09:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Nitroaniline	9.451	65	20109	5.050	ng	99
49) Acenaphthylene	9.769	152	103605	5.527	ng	99
50) Dimethylphthalate	9.622	163	79770	5.523	ng	98
51) 2,6-Dinitrotoluene	9.687	165	17217	5.256	ng	99
52) Acenaphthene	9.939	154	64777	5.337	ng	97
53) 3-Nitroaniline	9.863	138	16842	5.257	ng	98
55) Dibenzofuran	10.116	168	104044	5.727	ng	96
57) 2,4-Dinitrotoluene	10.098	165	22110	5.079	ng	98
58) Fluorene	10.457	166	82732	5.674	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	16825	5.007	ng	# 96
60) Diethylphthalate	10.322	149	81981	5.587	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	40537	5.665	ng	95
62) 4-Nitroaniline	10.469	138	16848	5.014	ng	98
63) Azobenzene	10.604	77	77108	5.549	ng	96
66) n-Nitrosodiphenylamine	10.563	169	67794	5.346	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	23355	5.288	ng	99
68) Hexachlorobenzene	11.010	284	27532	5.384	ng	99
69) Atrazine	11.086	200	19452	5.452	ng	99
71) Phenanthrene	11.422	178	115121	5.584	ng	98
72) Anthracene	11.475	178	111316	5.520	ng	100
73) Carbazole	11.633	167	107643	5.549	ng	98
74) Di-n-butylphthalate	11.957	149	122687	5.478	ng	99
75) Fluoranthene	12.616	202	127194	5.683	ng	100
77) Benzidine	12.745	184	18105	2.303	ng	99
78) Pyrene	12.845	202	128760	5.150	ng	98
80) Butylbenzylphthalate	13.457	149	45690	5.073	ng	99
81) Benzo(a)anthracene	14.033	228	95229	5.321	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	25321	4.712	ng	97
83) Chrysene	14.069	228	91528	5.593	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	61082	5.371	ng	100
85) Di-n-octyl phthalate	14.633	149	80990	5.211	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	61952	4.637	ng	97
88) Benzo(b)fluoranthene	15.098	252	69048	5.362	ng	98
89) Benzo(k)fluoranthene	15.127	252	63717	5.655	ng	96
90) Benzo(a)pyrene	15.469	252	54423	5.198	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	52029	4.755	ng	99
92) Benzo(g,h,i)perylene	17.492	276	52919	4.740	ng	97

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

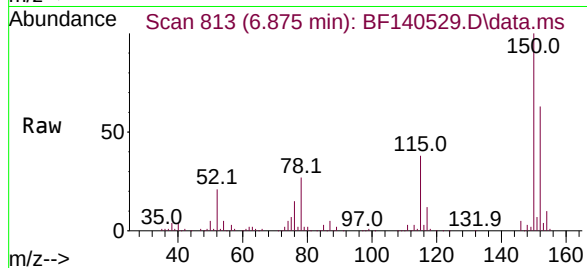
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

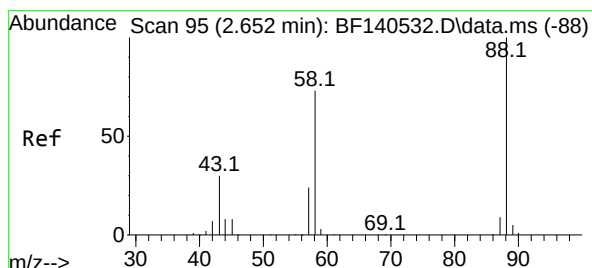
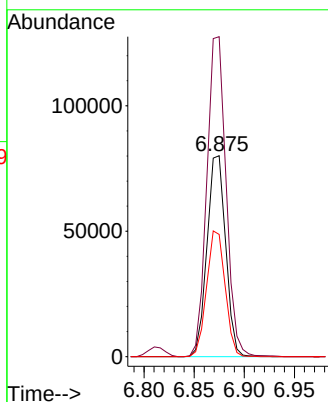
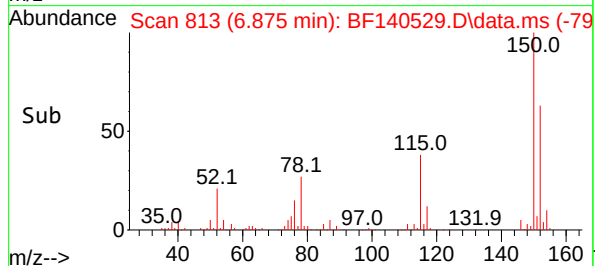


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

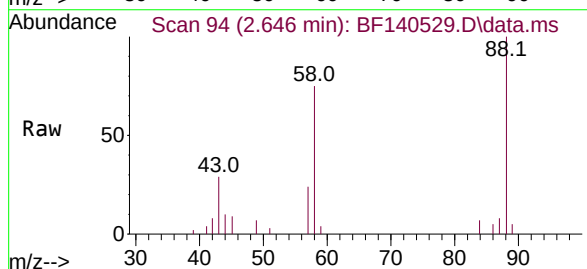
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



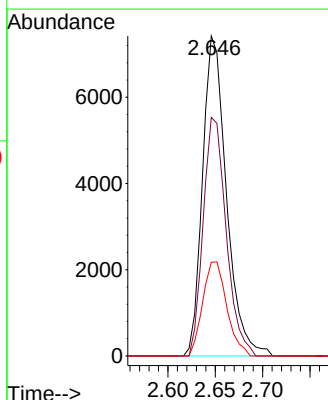
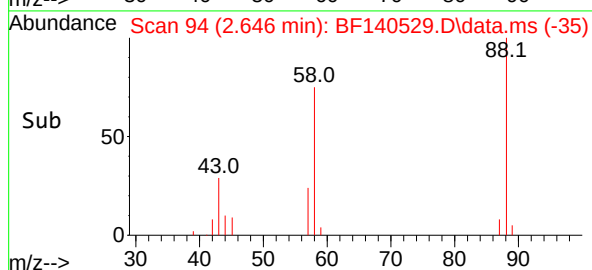
Tgt Ion:152 Resp: 104134
Ion Ratio Lower Upper
152 100
150 159.2 128.5 192.7
115 60.8 50.2 75.4

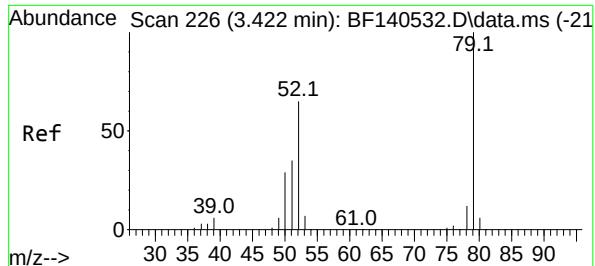


#2
1,4-Dioxane
Concen: 5.079 ng
RT: 2.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39



Tgt Ion: 88 Resp: 13033
Ion Ratio Lower Upper
88 100
58 71.6 57.4 86.2
43 29.5 24.3 36.5





#3

Pyridine

Concen: 4.524 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

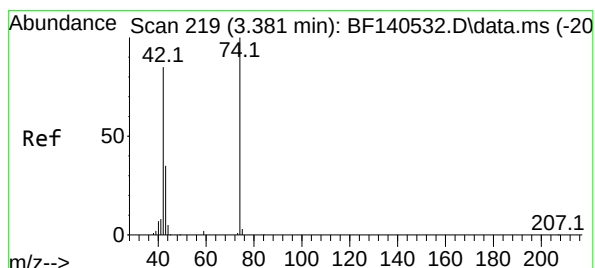
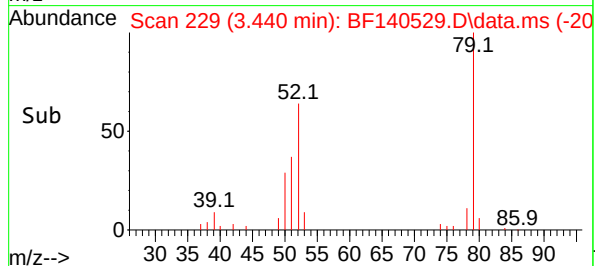
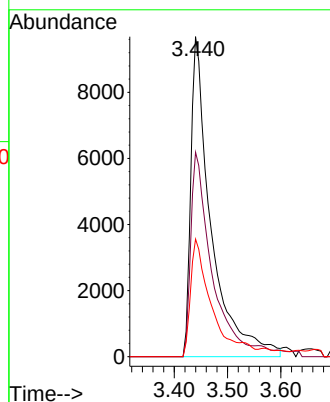
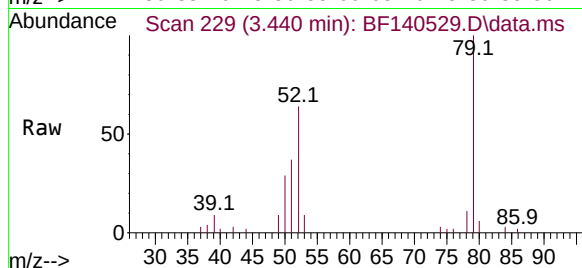
Tgt Ion: 79 Resp: 25544

Ion Ratio Lower Upper

79 100

52 63.9 52.1 78.1

51 36.8 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 4.835 ng

RT: 3.358 min Scan# 215

Delta R.T. -0.023 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

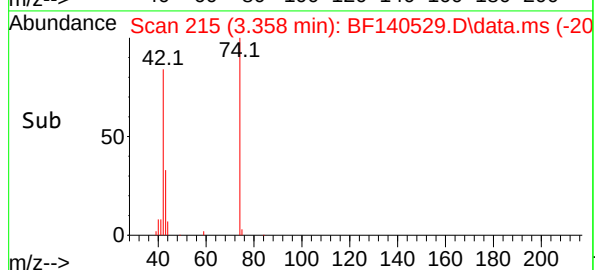
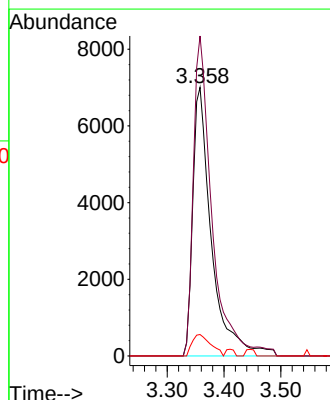
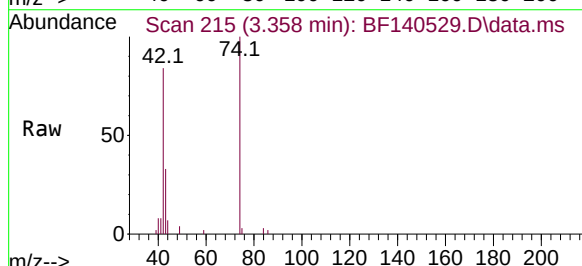
Tgt Ion: 42 Resp: 16043

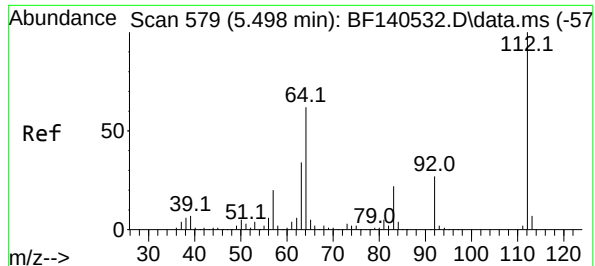
Ion Ratio Lower Upper

42 100

74 119.1 93.8 140.6

44 8.0 4.6 6.8#





#5

2-Fluorophenol

Concen: 10.758 ng

RT: 5.499 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

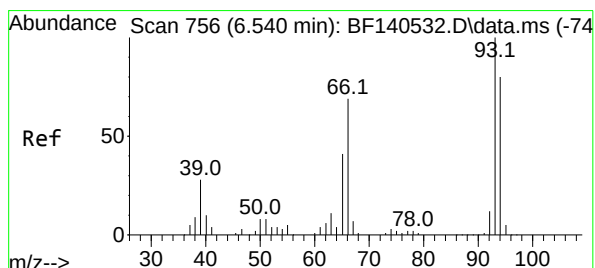
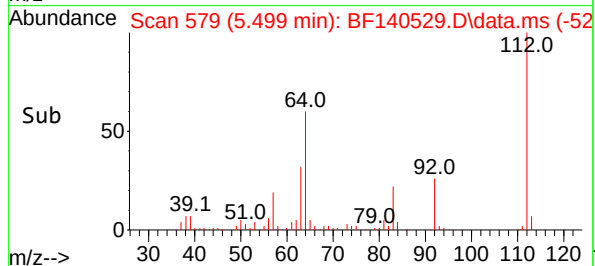
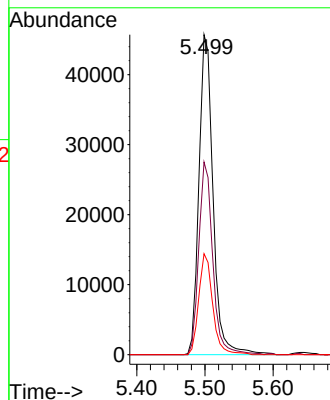
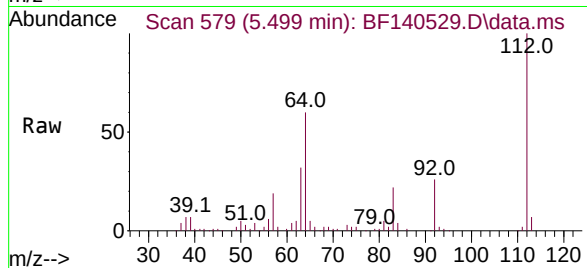
Tgt Ion:112 Resp: 65659

Ion Ratio Lower Upper

112 100

64 60.2 49.2 73.8

63 31.6 27.0 40.4



#6

Aniline

Concen: 5.311 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

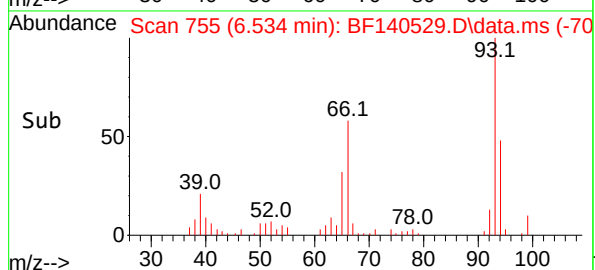
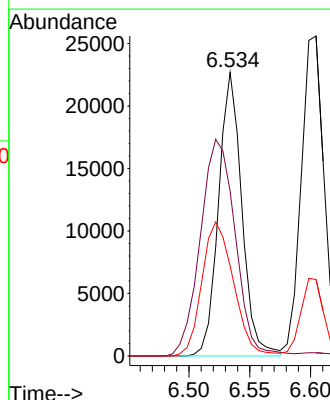
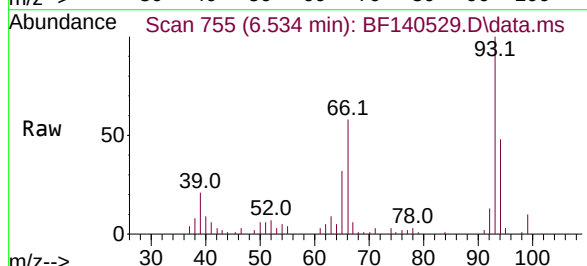
Tgt Ion: 93 Resp: 30162

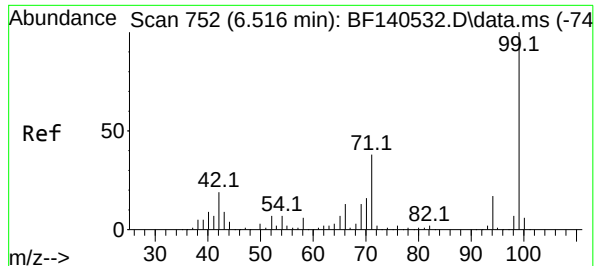
Ion Ratio Lower Upper

93 100

66 58.1 56.5 84.7

65 31.8 32.9 49.3#





#7

Phenol-d6

Concen: 11.158 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

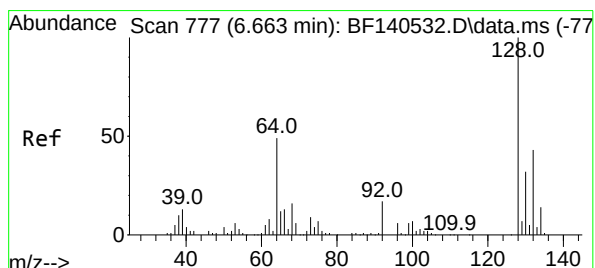
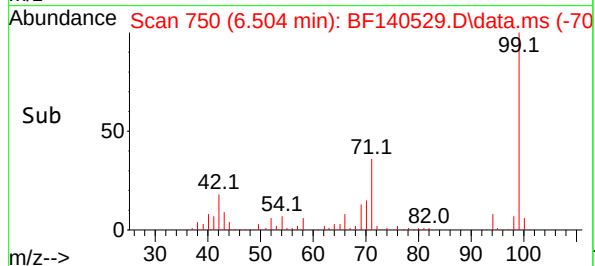
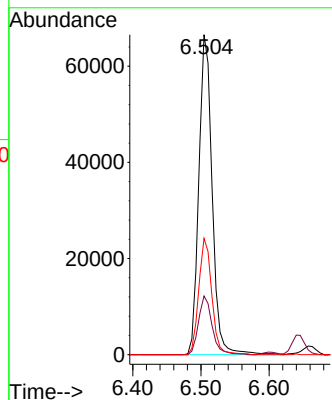
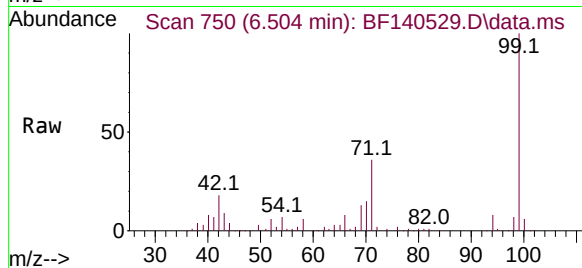
Tgt Ion: 99 Resp: 90026

Ion Ratio Lower Upper

99 100

42 18.4 15.4 23.0

71 36.4 30.6 46.0



#8

2-Chlorophenol

Concen: 5.490 ng

RT: 6.657 min Scan# 776

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

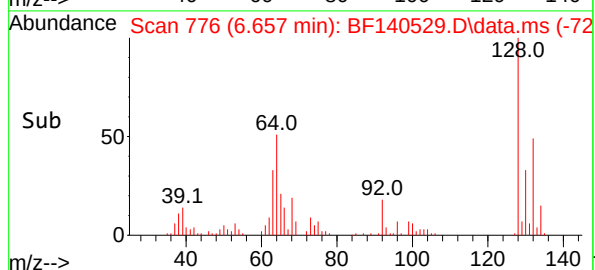
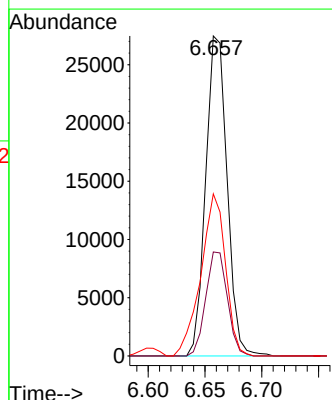
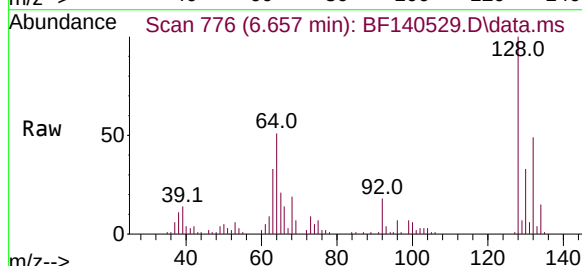
Tgt Ion: 128 Resp: 36046

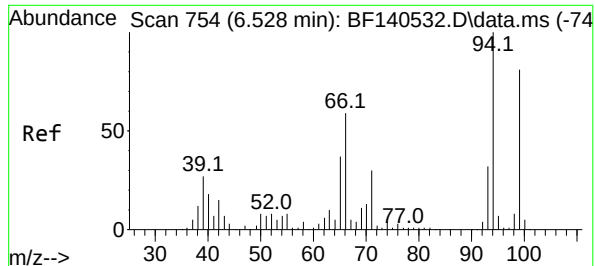
Ion Ratio Lower Upper

128 100

130 32.5 12.3 52.3

64 50.7 30.2 70.2

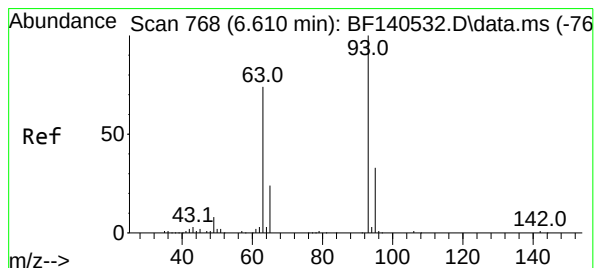
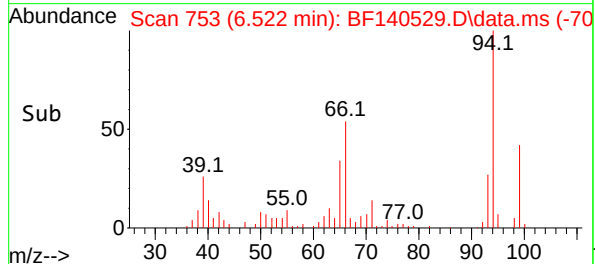
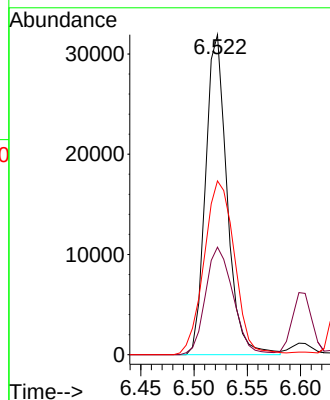
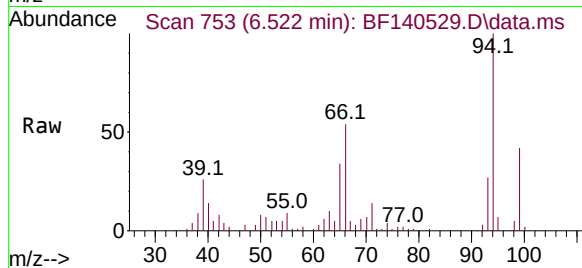




#10
Phenol
Concen: 5.443 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

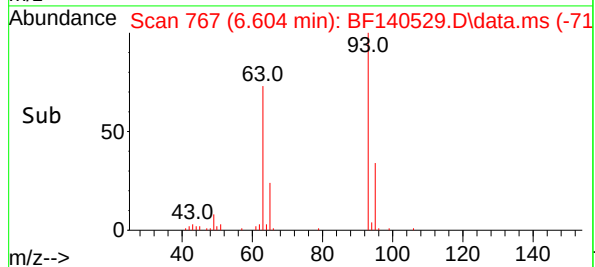
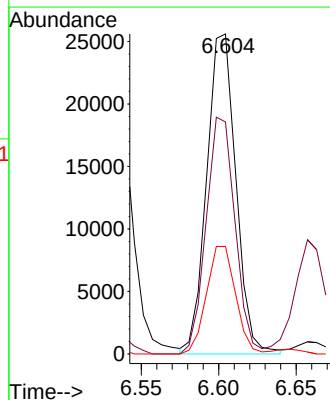
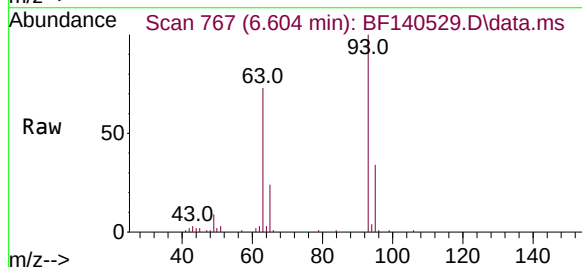
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

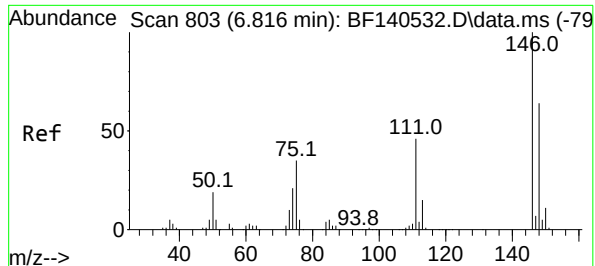
Tgt Ion: 94 Resp: 44852
Ion Ratio Lower Upper
94 100
65 33.6 17.2 57.2
66 54.3 39.2 79.2



#11
bis(2-Chloroethyl)ether
Concen: 5.333 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion: 93 Resp: 33630
Ion Ratio Lower Upper
93 100
63 72.5 52.8 92.8
95 33.6 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 5.644 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

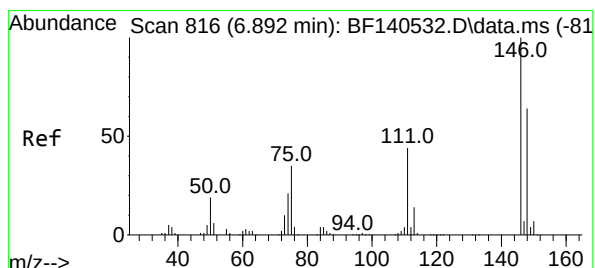
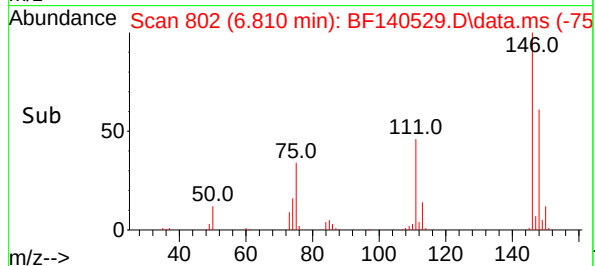
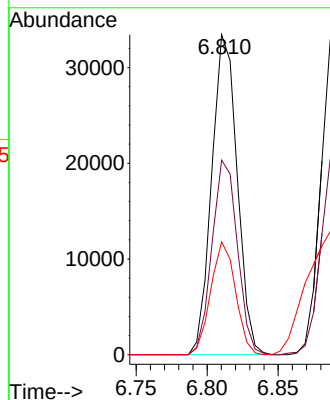
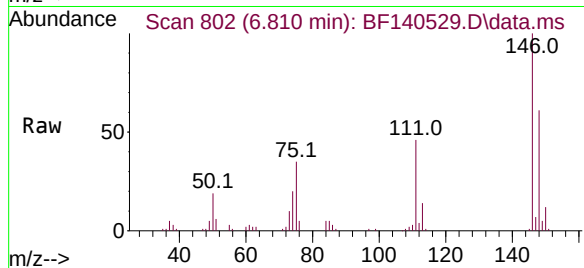
Tgt Ion:146 Resp: 41643

Ion Ratio Lower Upper

146 100

148 60.8 51.3 76.9

75 35.3 28.2 42.2



#13

1,4-Dichlorobenzene

Concen: 5.622 ng

RT: 6.887 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

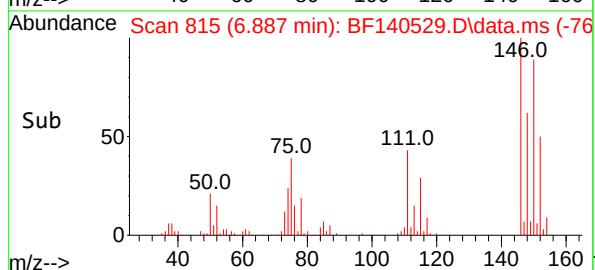
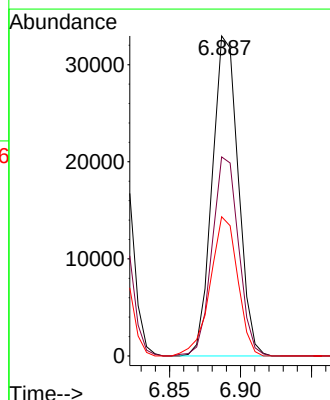
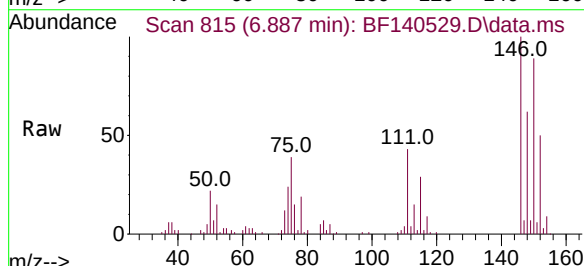
Tgt Ion:146 Resp: 42002

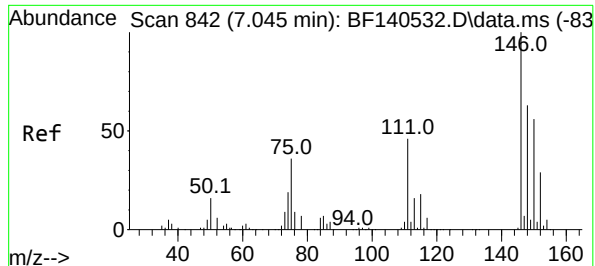
Ion Ratio Lower Upper

146 100

148 62.2 51.0 76.6

111 43.5 35.3 52.9





#14

1,2-Dichlorobenzene

Concen: 5.591 ng

RT: 7.040 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

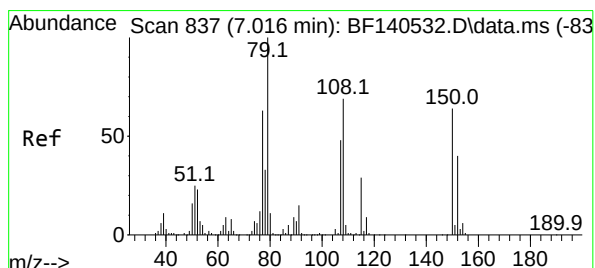
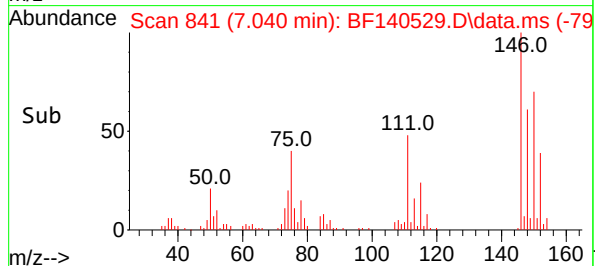
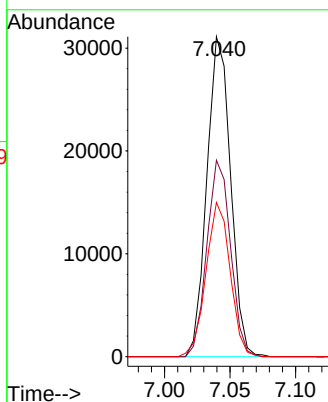
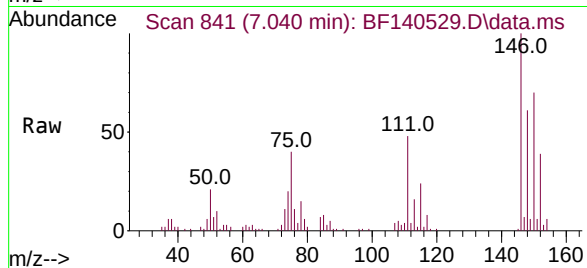
Tgt Ion:146 Resp: 39138

Ion Ratio Lower Upper

146 100

148 61.4 50.5 75.7

111 48.2 36.7 55.1



#15

Benzyl Alcohol

Concen: 5.367 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

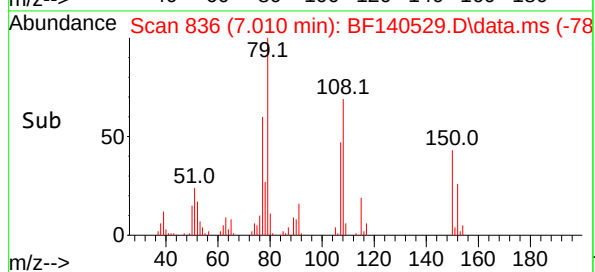
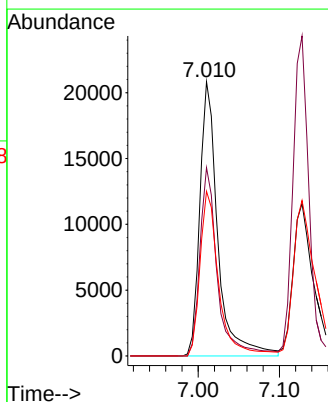
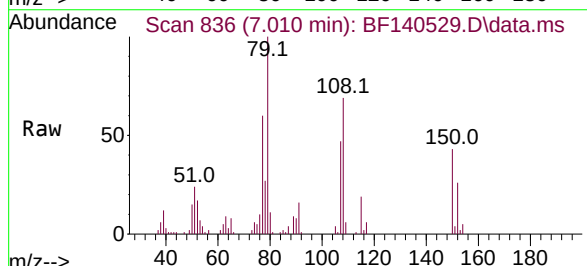
Tgt Ion: 79 Resp: 32114

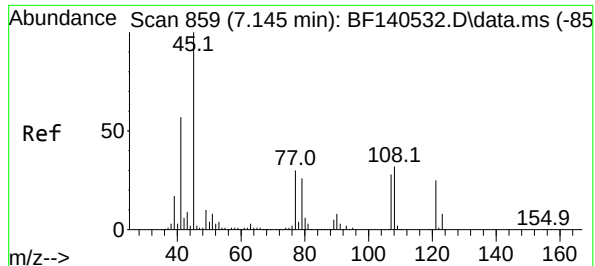
Ion Ratio Lower Upper

79 100

108 68.7 55.0 82.6

77 60.1 50.1 75.1

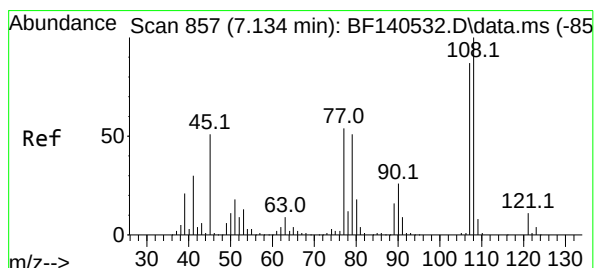
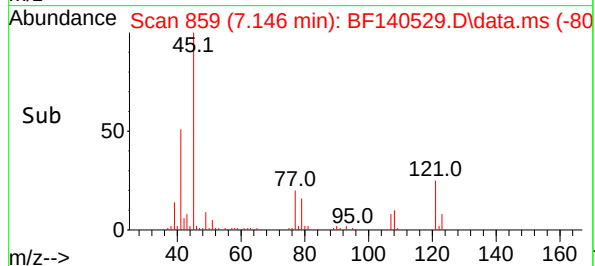
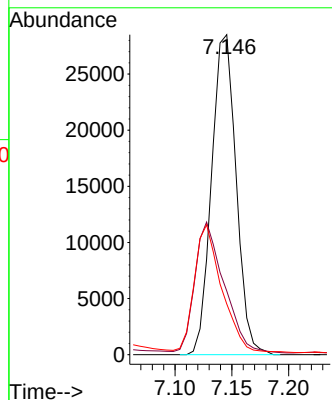
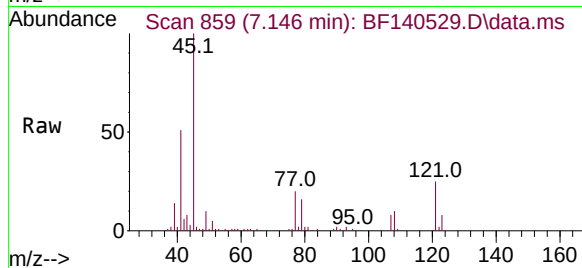




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.765 ng
RT: 7.146 min Scan# 859
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

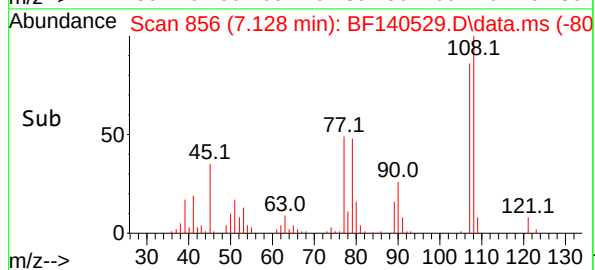
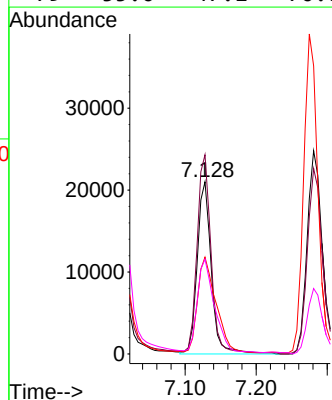
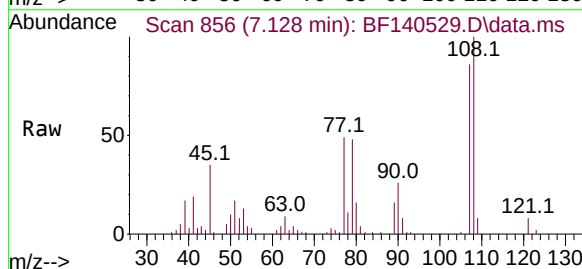
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

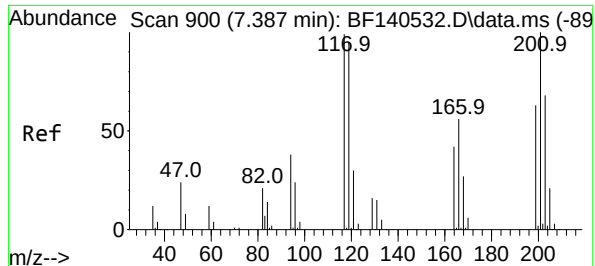
Tgt Ion: 45 Resp: 42946
Ion Ratio Lower Upper
45 100
77 19.9 10.7 50.7
79 15.8 7.0 47.0



#17
2-Methylphenol
Concen: 5.553 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion: 107 Resp: 29188
Ion Ratio Lower Upper
107 100
108 115.6 91.7 137.5
77 56.2 49.3 73.9
79 55.0 47.1 70.7





#18

Hexachloroethane

Concen: 5.577 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

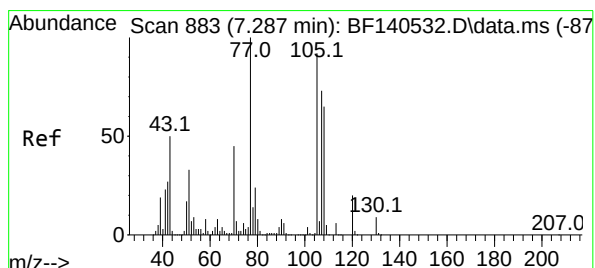
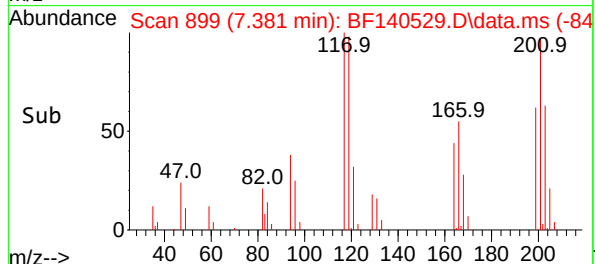
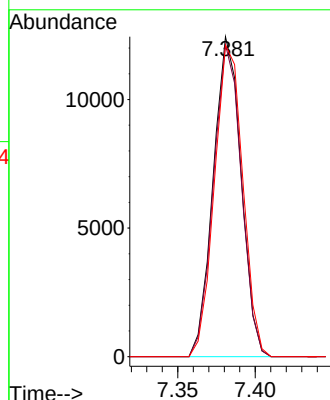
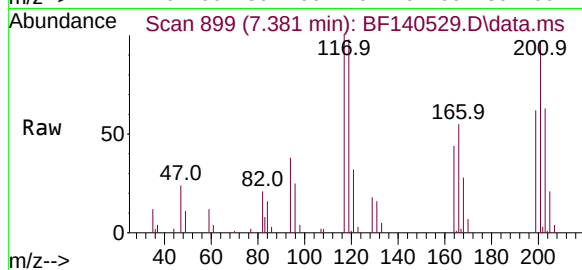
Tgt Ion:117 Resp: 15560

Ion Ratio Lower Upper

117 100

119 97.6 77.1 115.7

201 97.4 81.1 121.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.470 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Tgt Ion: 70 Resp: 26085

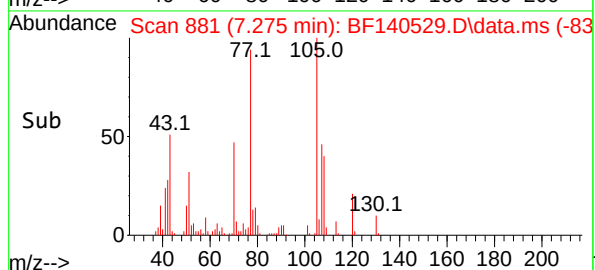
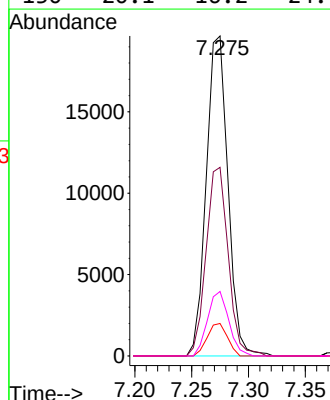
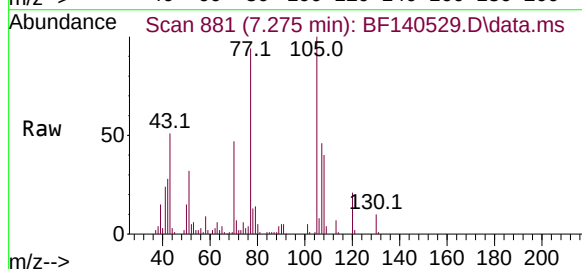
Ion Ratio Lower Upper

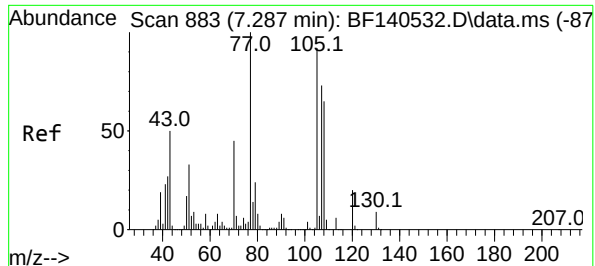
70 100

42 58.9 47.6 71.4

101 10.2 7.6 11.4

130 20.1 16.2 24.4

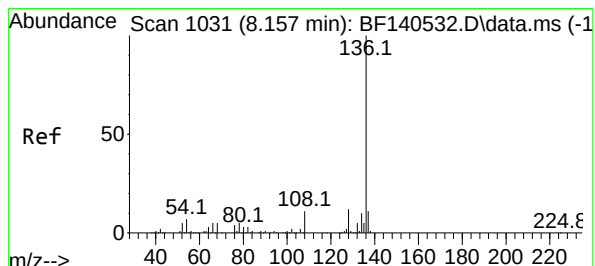
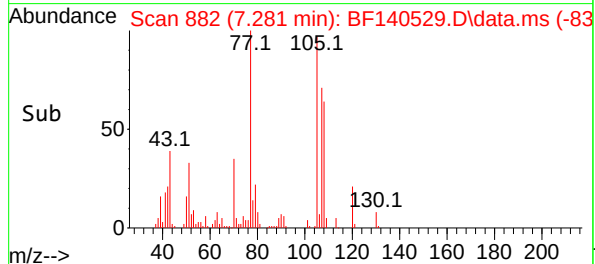
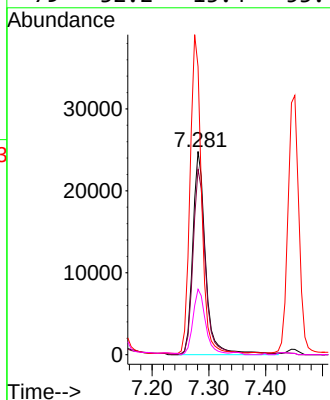
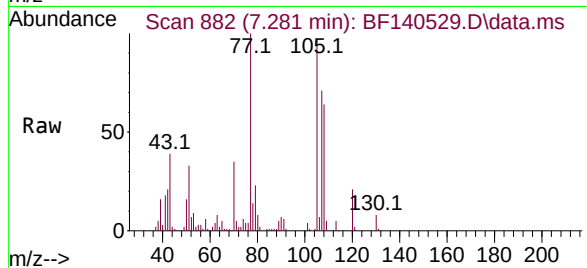




#20
3+4-Methylphenols
Concen: 5.760 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

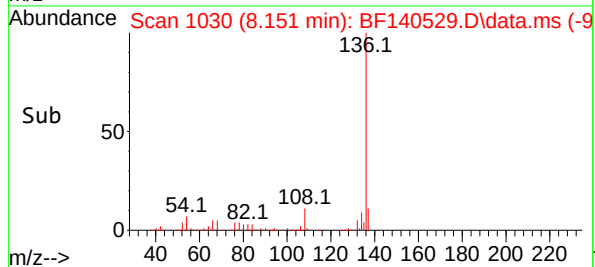
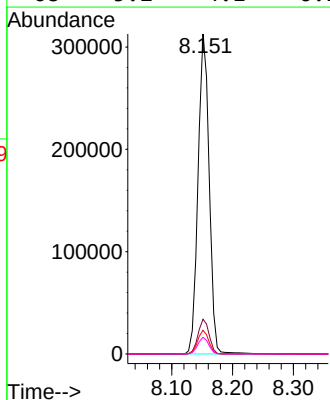
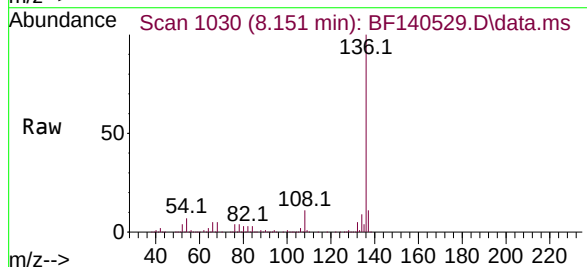
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

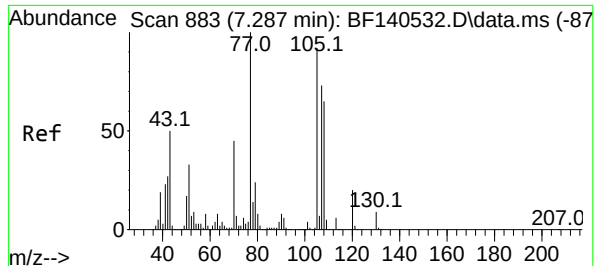
Tgt Ion:107 Resp: 38915
Ion Ratio Lower Upper
107 100
108 91.2 69.9 109.9
77 141.7 117.7 157.7
79 32.2 13.4 53.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:136 Resp: 395935
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 5.8 8.8
68 5.2 4.1 6.1





#22

Acetophenone

Concen: 5.492 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:105 Resp: 53017

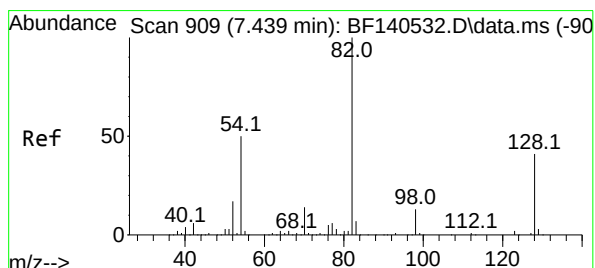
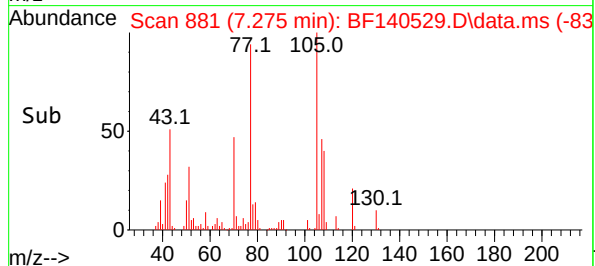
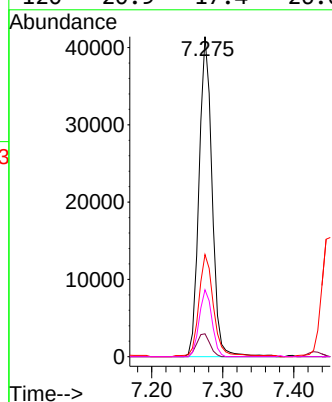
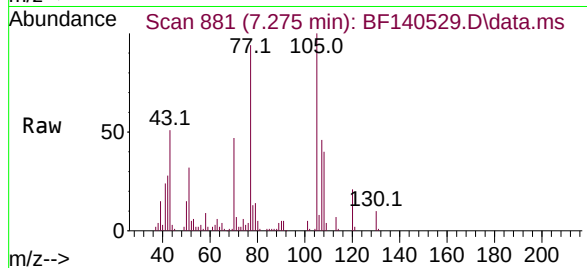
Ion Ratio Lower Upper

105 100

71 7.2 6.2 9.2

51 31.9 29.0 43.6

120 20.9 17.4 26.0



#23

Nitrobenzene-d5

Concen: 10.457 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

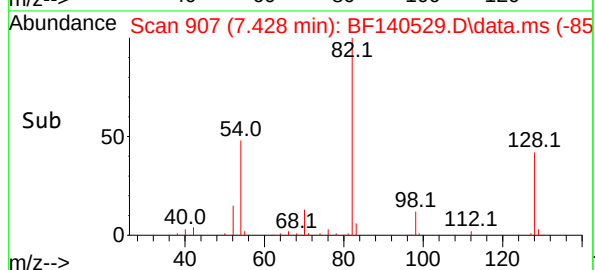
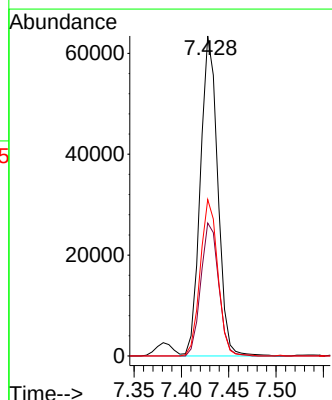
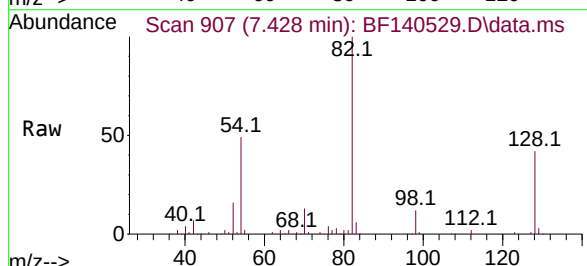
Tgt Ion: 82 Resp: 80941

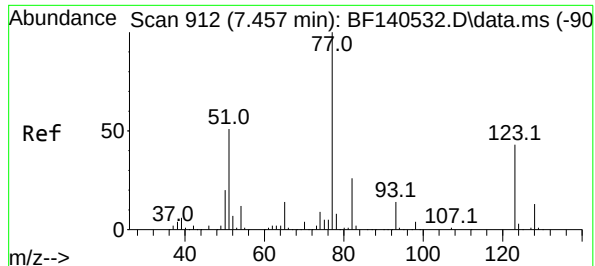
Ion Ratio Lower Upper

82 100

128 41.6 33.0 49.4

54 48.9 39.5 59.3

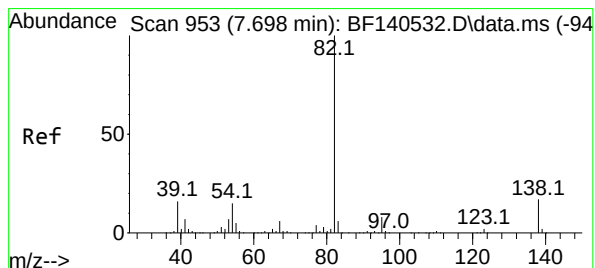
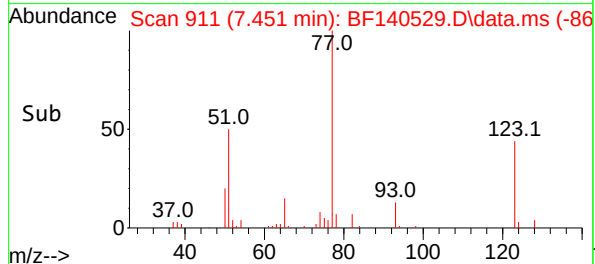
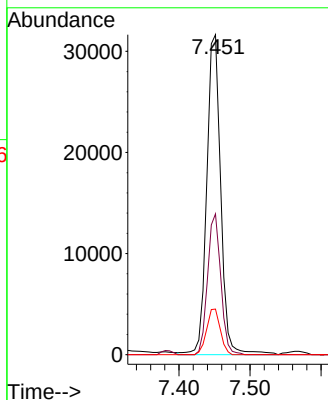
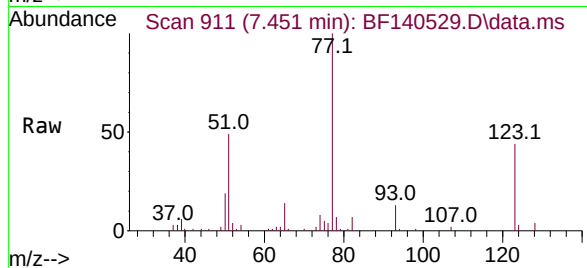




#24
Nitrobenzene
Concen: 5.432 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

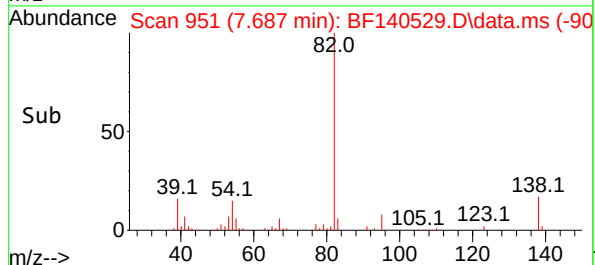
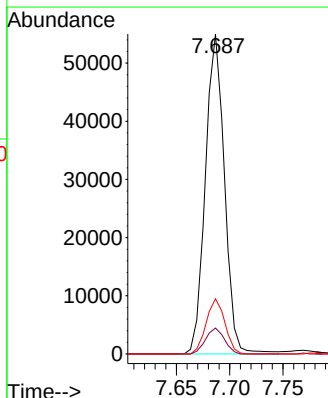
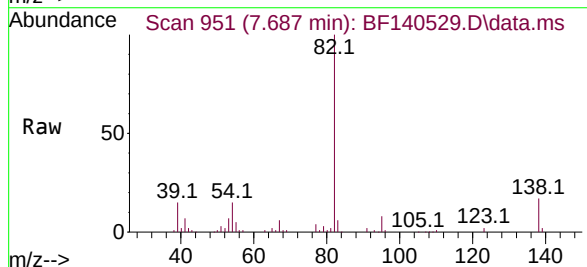
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

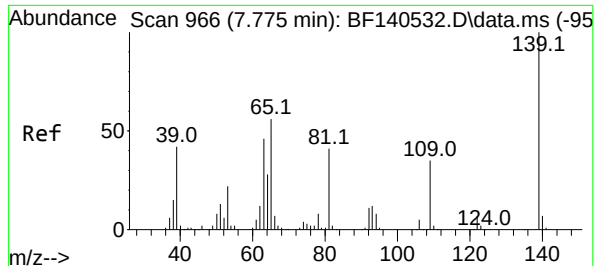
Tgt Ion: 77 Resp: 43460
Ion Ratio Lower Upper
77 100
123 44.0 34.3 51.5
65 14.3 11.2 16.8



#25
Isophorone
Concen: 5.321 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion: 82 Resp: 68701
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 17.2 13.8 20.6

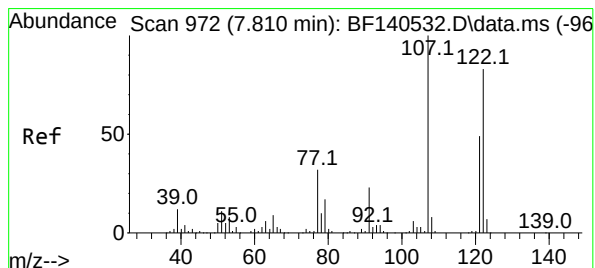
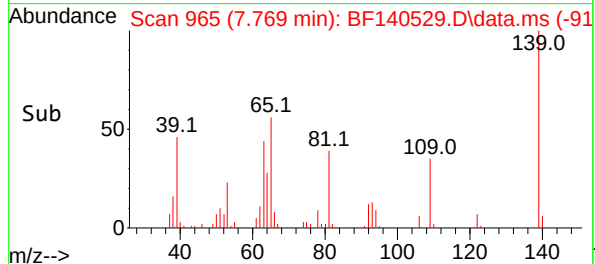
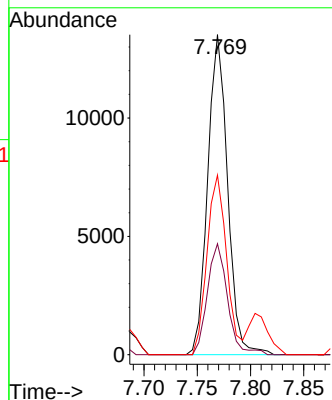
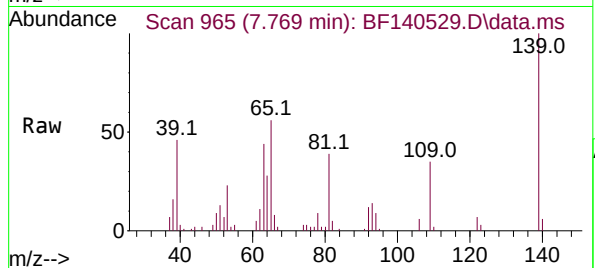




#26
2-Nitrophenol
Concen: 4.964 ng
RT: 7.769 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

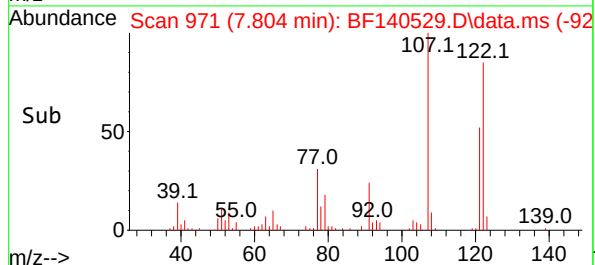
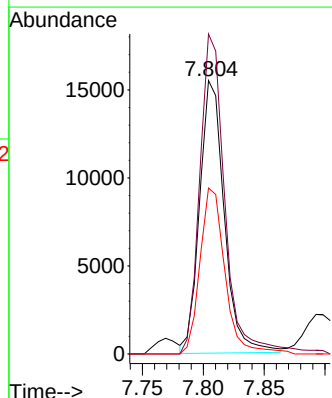
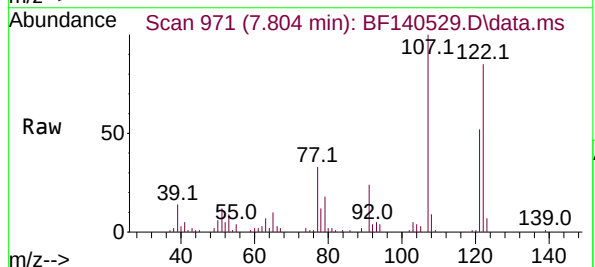
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

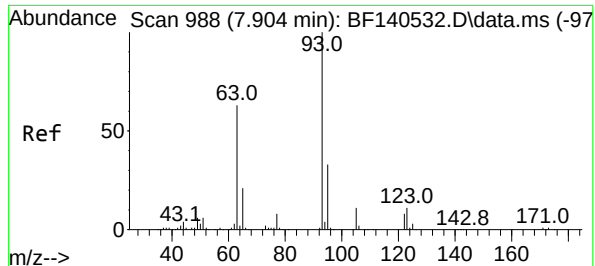
Tgt Ion:139 Resp: 17600
Ion Ratio Lower Upper
139 100
109 34.7 28.0 42.0
65 56.1 44.6 67.0



#27
2,4-Dimethylphenol
Concen: 5.149 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:122 Resp: 21843
Ion Ratio Lower Upper
122 100
107 117.0 96.8 145.2
121 60.7 47.4 71.0

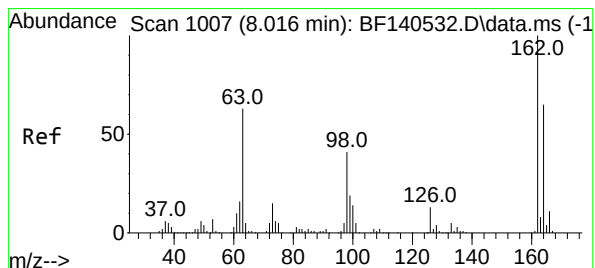
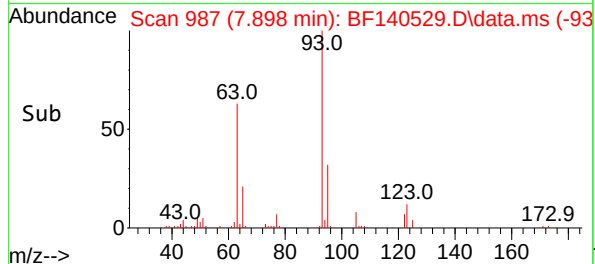
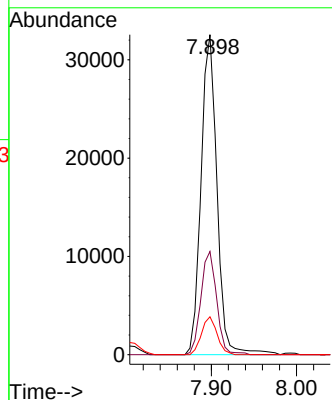
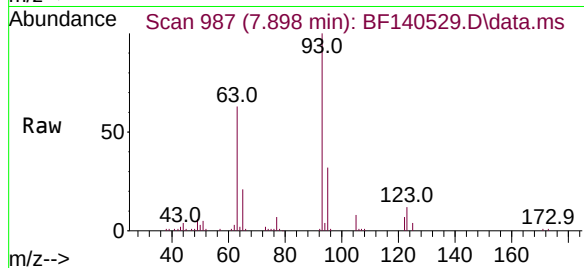




#28
bis(2-Chloroethoxy)methane
Concen: 5.383 ng
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

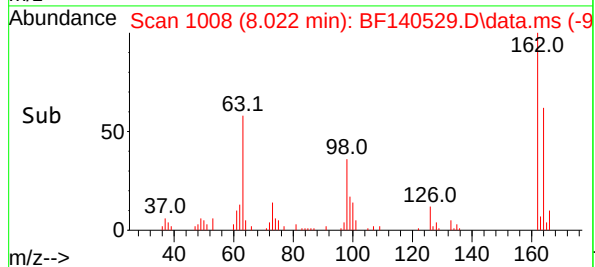
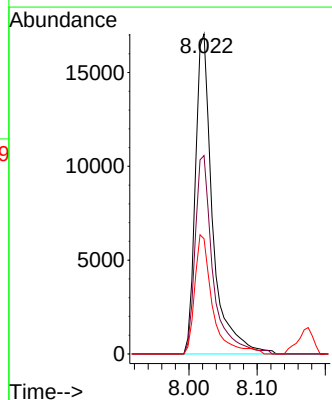
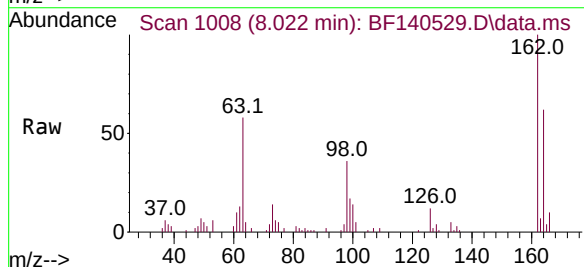
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

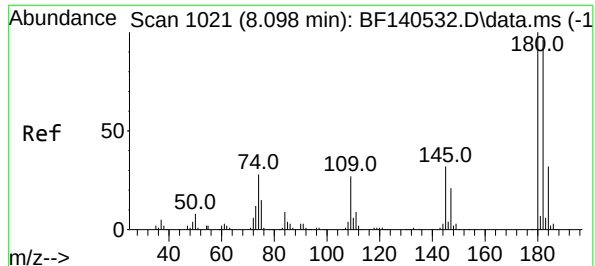
Tgt Ion: 93 Resp: 42337
Ion Ratio Lower Upper
93 100
95 32.2 26.1 39.1
123 11.9 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 5.305 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion: 162 Resp: 29819
Ion Ratio Lower Upper
162 100
164 62.0 44.8 84.8
98 36.0 21.2 61.2





#30

1,2,4-Trichlorobenzene

Concen: 5.280 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

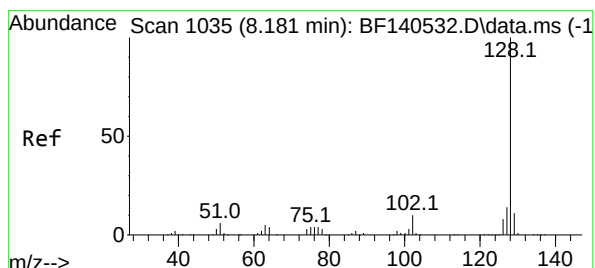
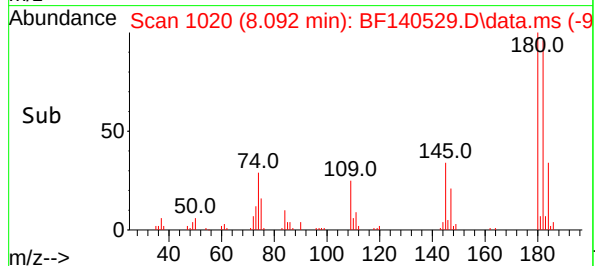
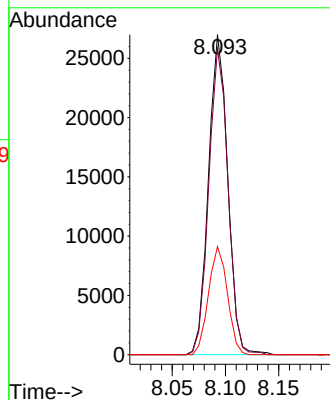
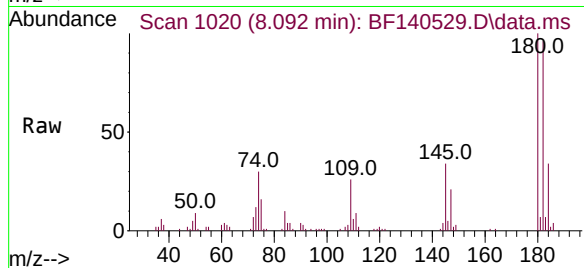
Tgt Ion:180 Resp: 33886

Ion Ratio Lower Upper

180 100

182 95.7 76.4 114.6

145 33.8 25.9 38.9



#31

Naphthalene

Concen: 5.418 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

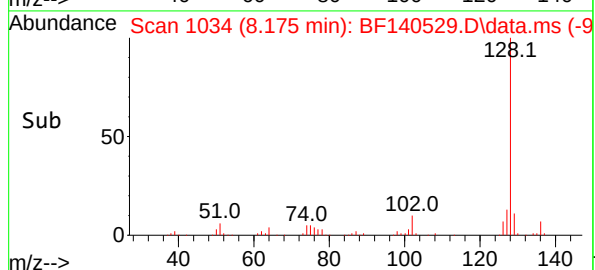
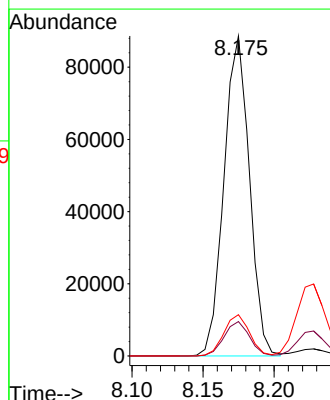
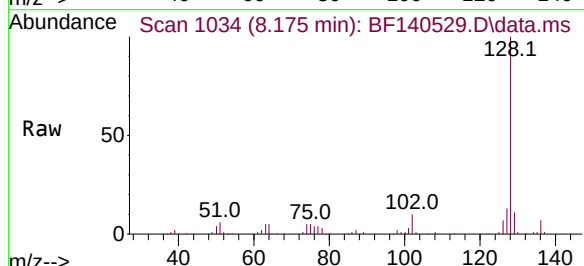
Tgt Ion:128 Resp: 110501

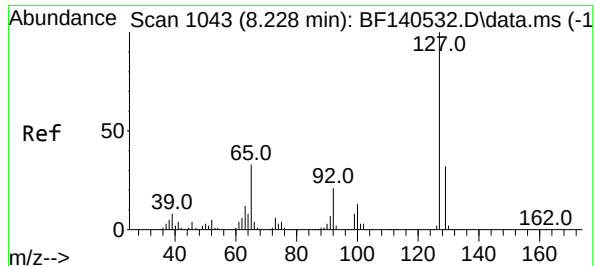
Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 12.9 10.8 16.2

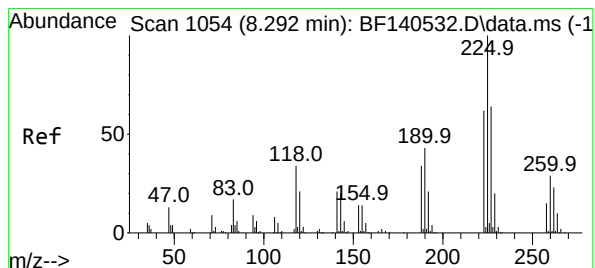
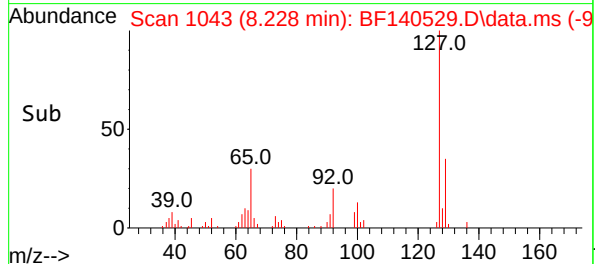
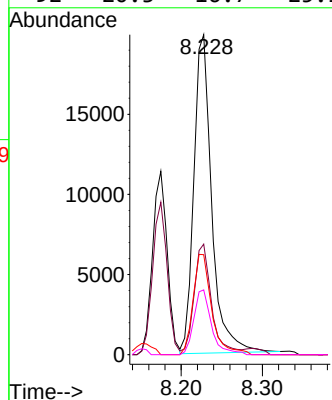
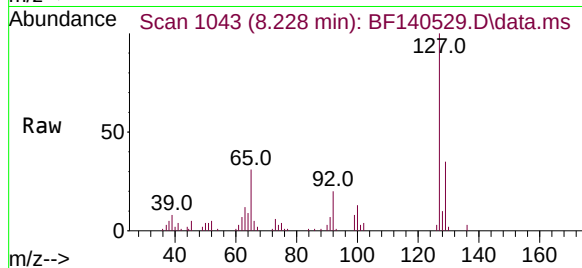




#33
4-Chloroaniline
Concen: 4.985 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

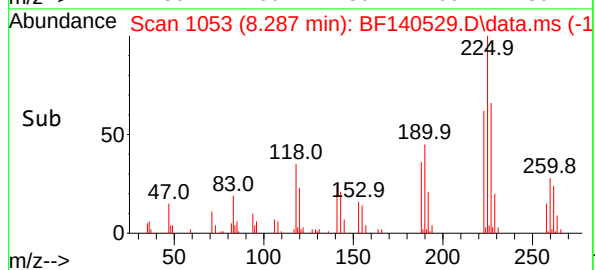
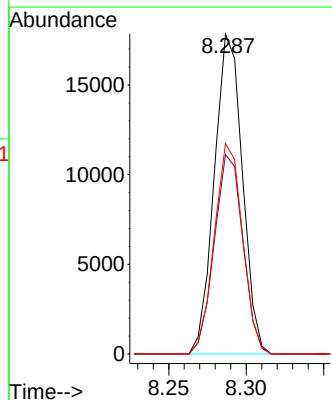
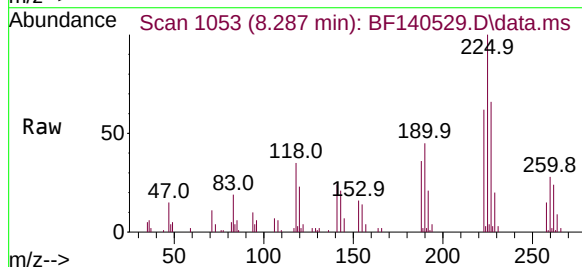
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

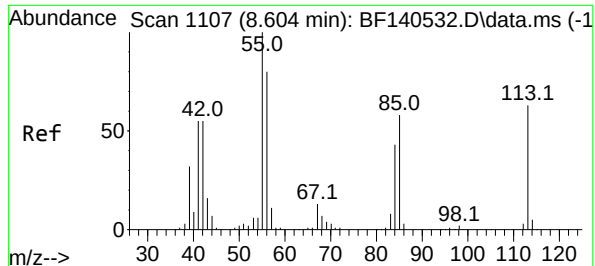
Tgt Ion:	127	Resp:	30440
Ion	Ratio	Lower	Upper
127	100		
129	34.5	26.0	39.0
65	31.3	26.0	39.0
92	20.3	16.7	25.1



#34
Hexachlorobutadiene
Concen: 5.280 ng
RT: 8.287 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:	225	Resp:	22446
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	65.7	51.3	76.9

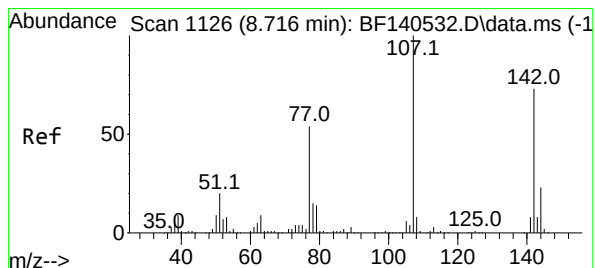
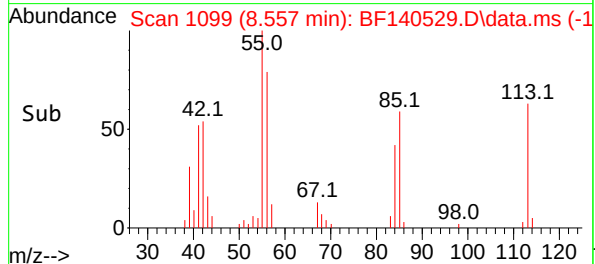
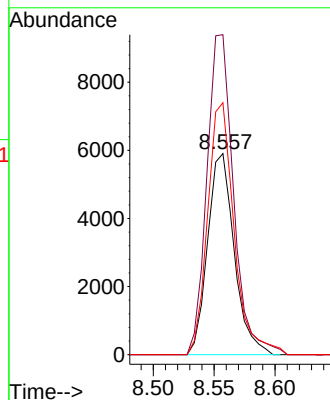
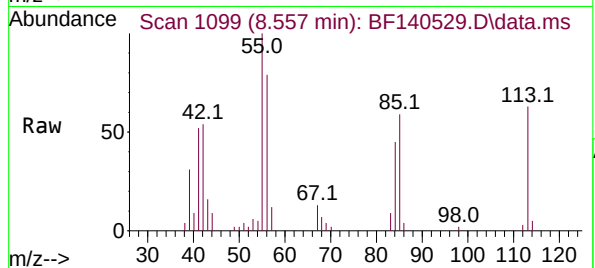




#35
Caprolactam
Concen: 5.165 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.047 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

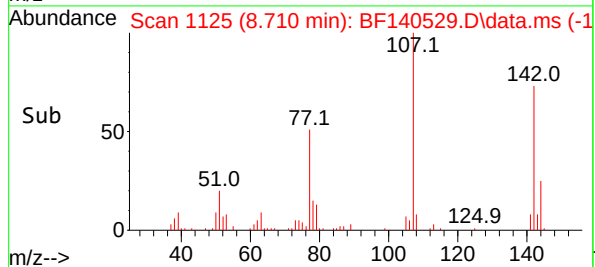
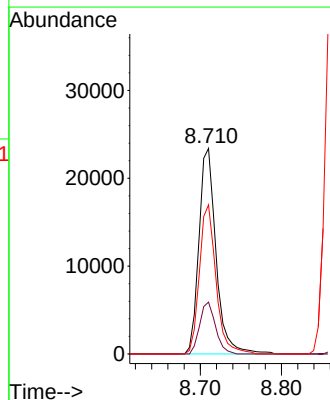
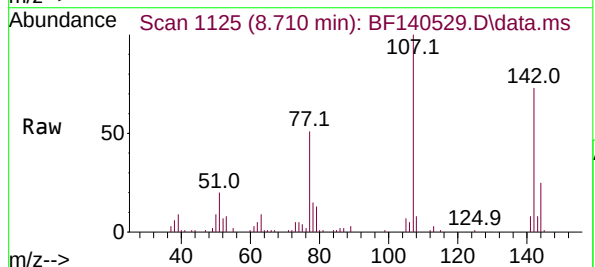
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

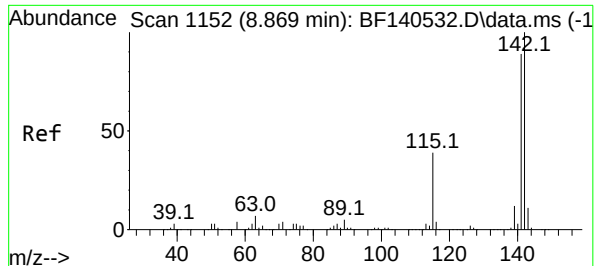
Tgt Ion:113 Resp: 8985
Ion Ratio Lower Upper
113 100
55 159.1 137.7 177.7
56 125.3 106.4 146.4



#36
4-Chloro-3-methylphenol
Concen: 5.467 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:107 Resp: 34404
Ion Ratio Lower Upper
107 100
144 25.2 18.7 28.1
142 72.6 58.3 87.5

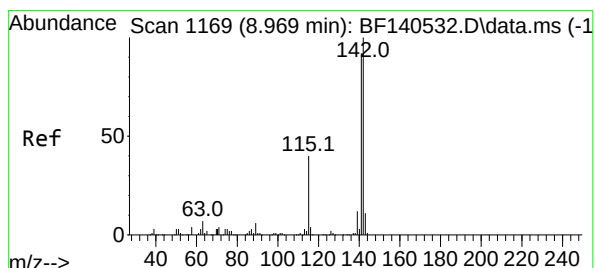
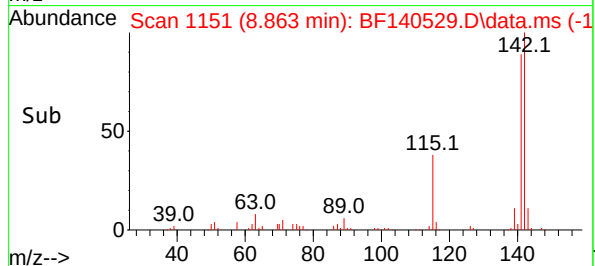
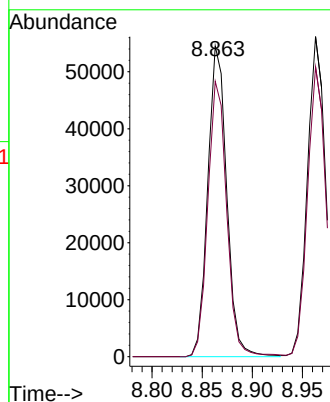
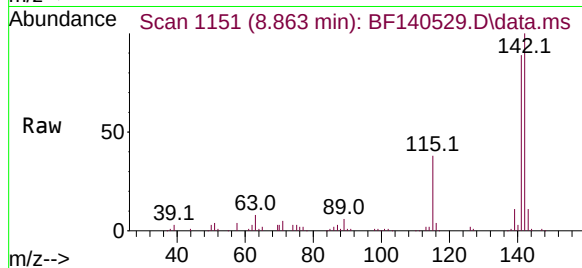




#37
2-Methylnaphthalene
Concen: 5.536 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

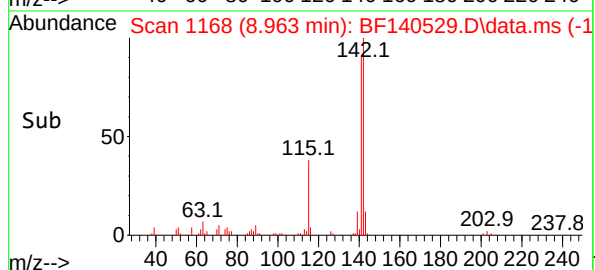
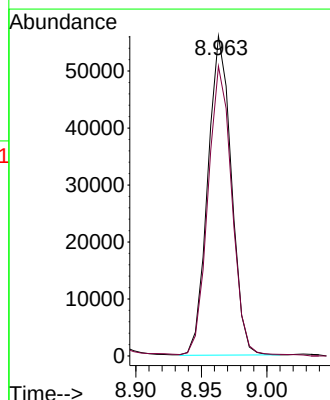
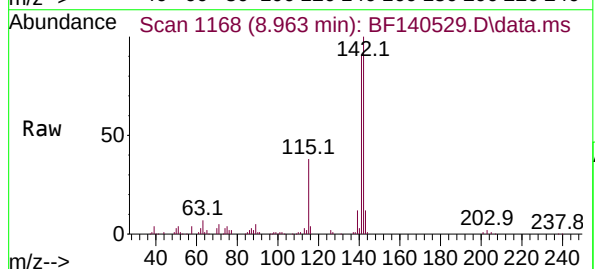
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

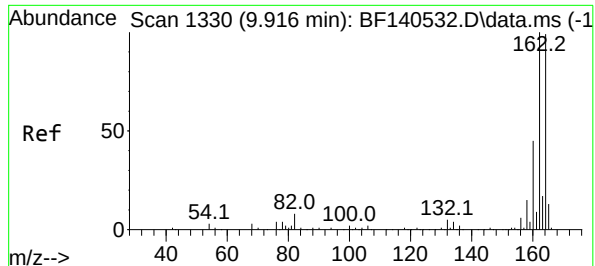
Tgt Ion:142 Resp: 71706
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6



#38
1-Methylnaphthalene
Concen: 5.510 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:142 Resp: 69955
Ion Ratio Lower Upper
142 100
141 90.5 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

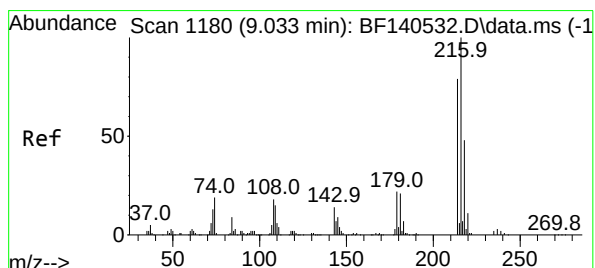
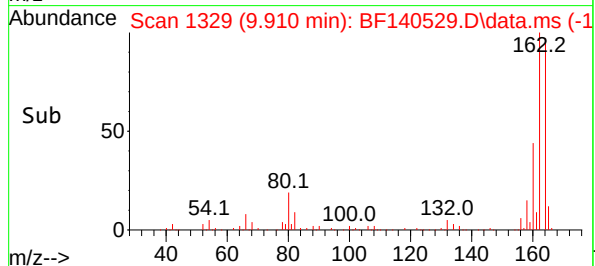
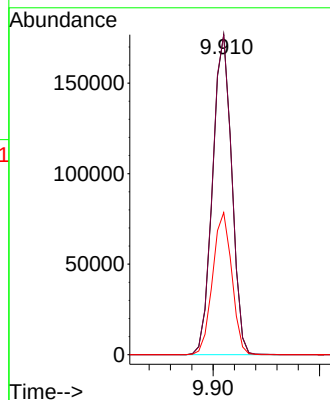
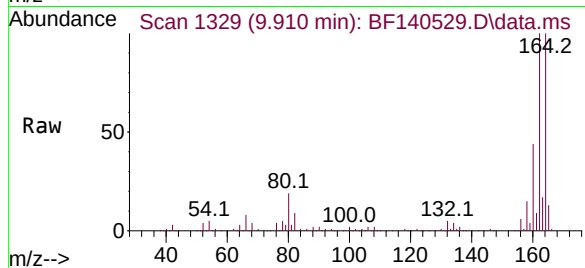
Tgt Ion:164 Resp: 219293

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

160 44.4 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.426 ng

RT: 9.034 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Tgt Ion:216 Resp: 34836

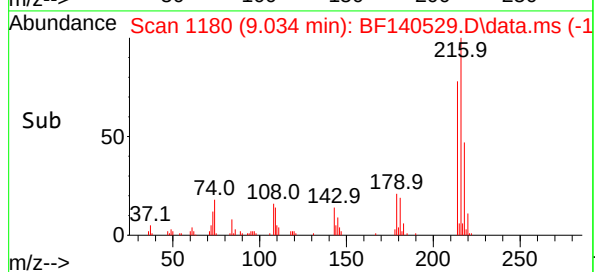
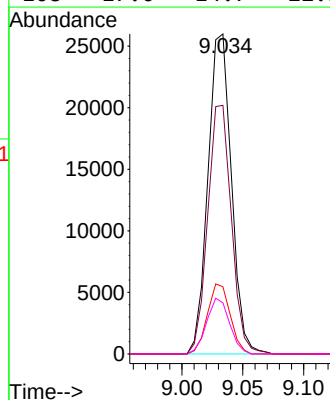
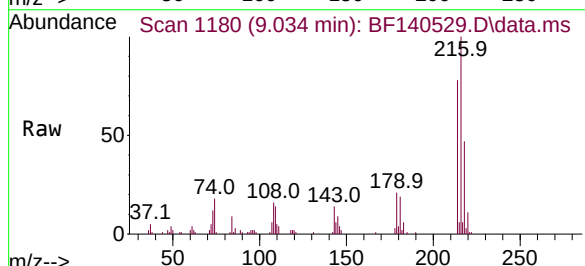
Ion Ratio Lower Upper

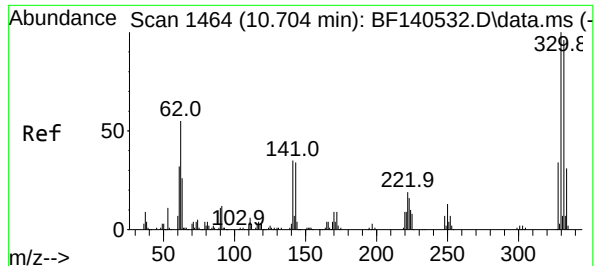
216 100

214 78.2 63.0 94.4

179 21.3 17.5 26.3

108 17.0 14.7 22.1





#42

2,4,6-Tribromophenol

Concen: 10.379 ng

RT: 10.698 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

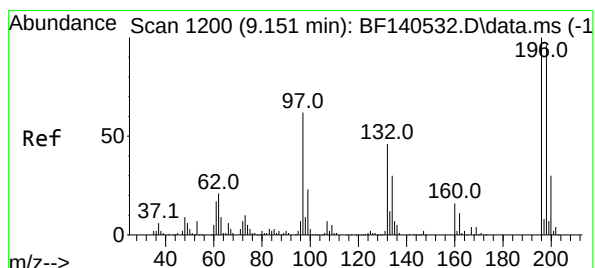
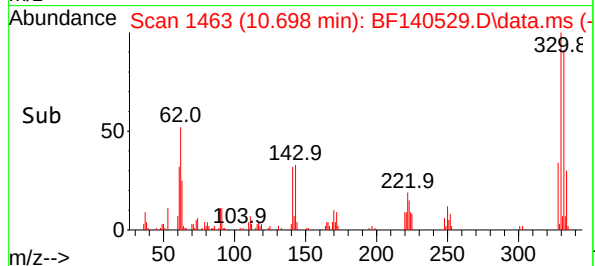
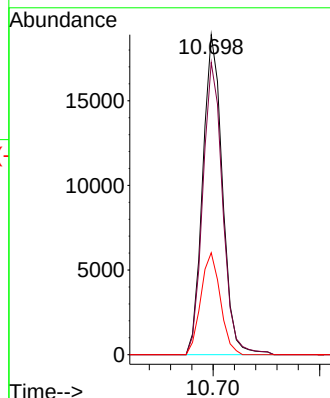
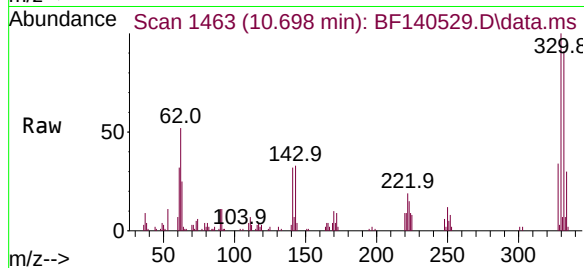
Tgt Ion:330 Resp: 24342

Ion Ratio Lower Upper

330 100

332 91.8 76.9 115.3

141 31.5 26.7 40.1



#43

2,4,6-Trichlorophenol

Concen: 5.224 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

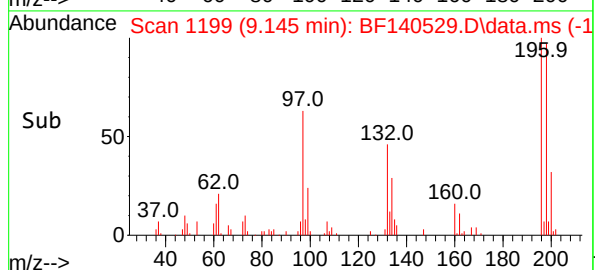
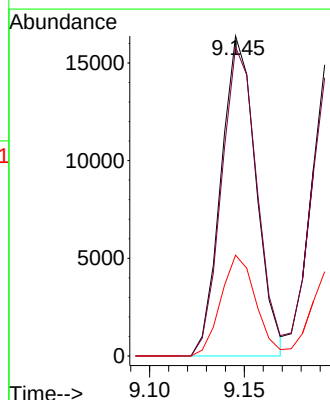
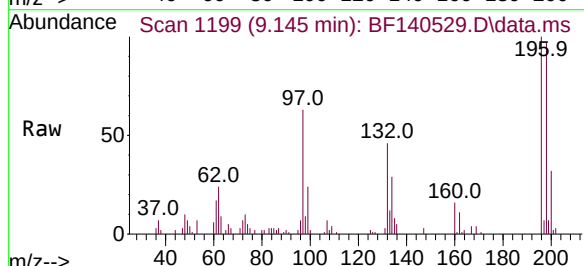
Tgt Ion:196 Resp: 21046

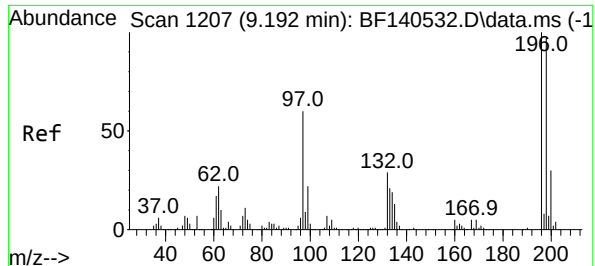
Ion Ratio Lower Upper

196 100

198 96.6 76.8 115.2

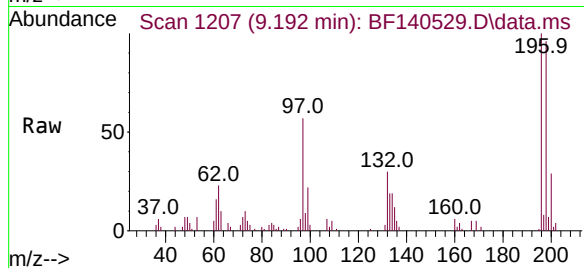
200 31.5 24.3 36.5



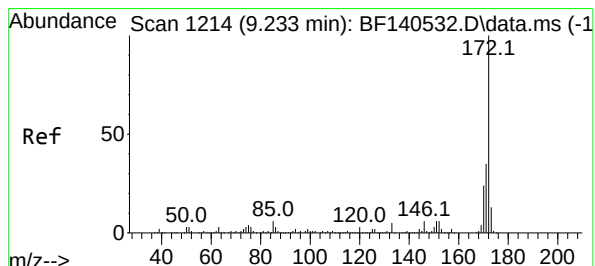
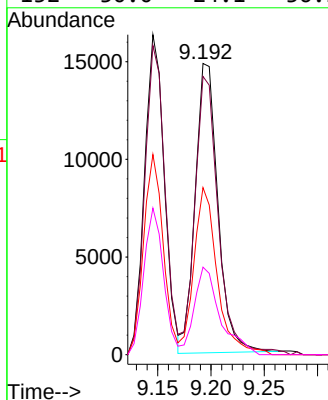
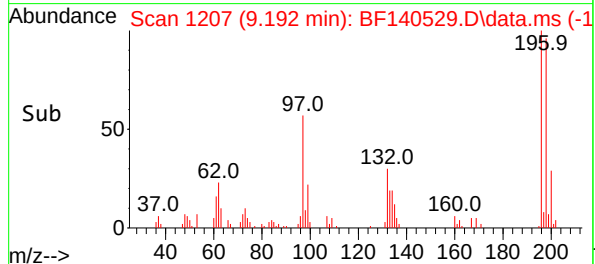


#44
2,4,5-Trichlorophenol
Concen: 5.046 ng
RT: 9.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

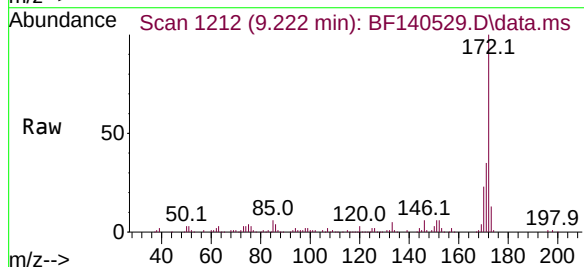
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



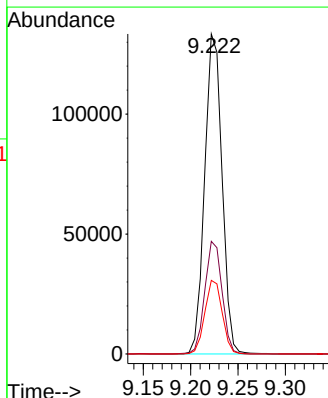
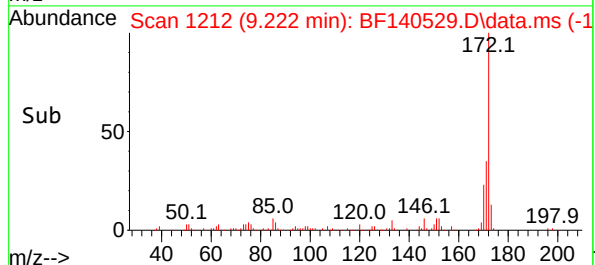
Tgt Ion:196 Resp: 22061
Ion Ratio Lower Upper
196 100
198 95.5 77.2 115.8
97 57.4 47.1 70.7
132 30.0 24.1 36.1

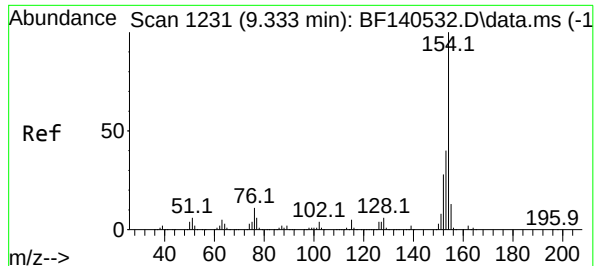


#45
2-Fluorobiphenyl
Concen: 11.550 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39



Tgt Ion:172 Resp: 170000
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.0 19.0 28.6

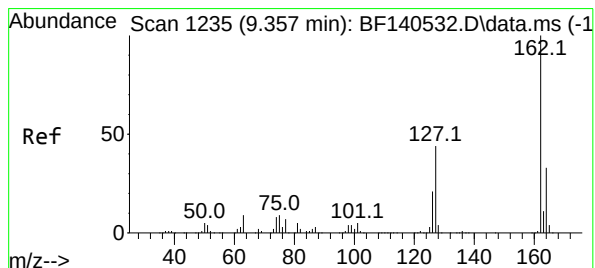
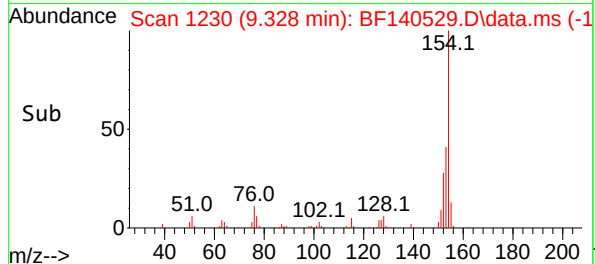
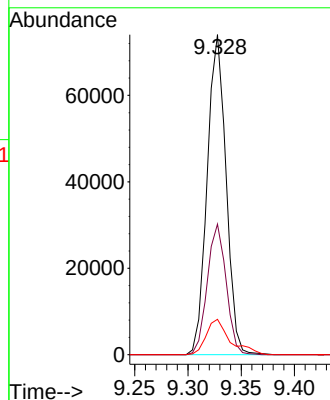
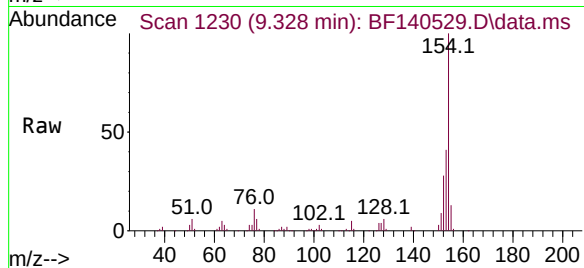




#46
1,1'-Biphenyl
Concen: 5.579 ng
RT: 9.328 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

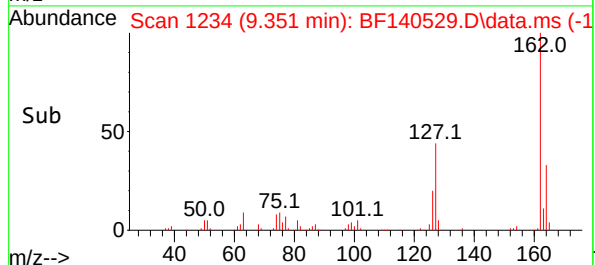
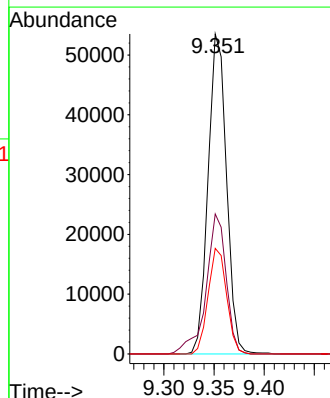
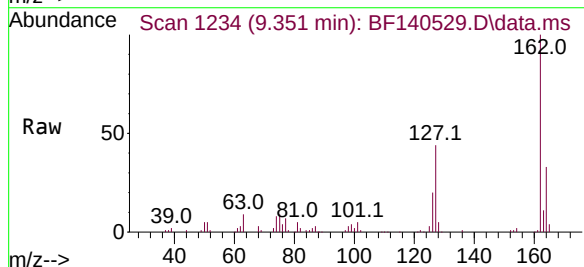
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

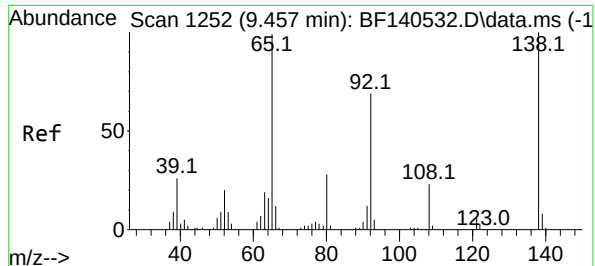
Tgt Ion:154 Resp: 91336
Ion Ratio Lower Upper
154 100
153 40.8 20.4 60.4
76 11.0 0.0 31.2



#47
2-Chloronaphthalene
Concen: 5.526 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:162 Resp: 68559
Ion Ratio Lower Upper
162 100
127 43.8 35.7 53.5
164 33.0 26.1 39.1

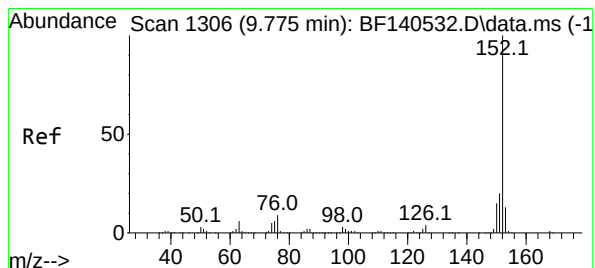
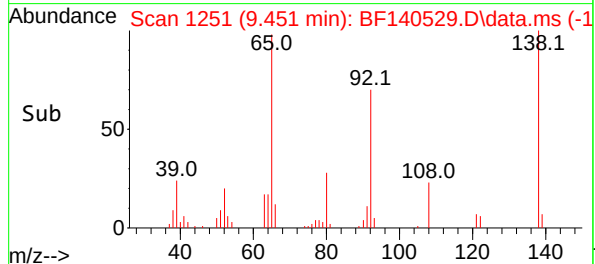
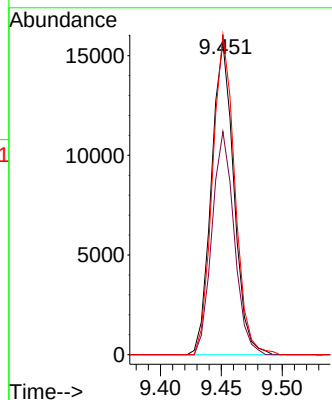
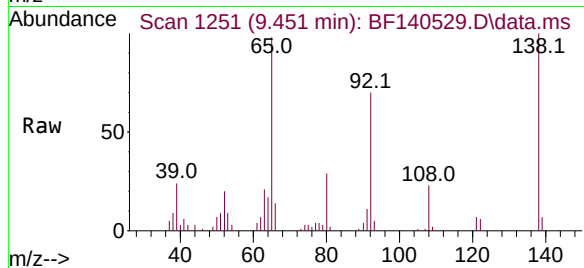




#48
2-Nitroaniline
Concen: 5.050 ng
RT: 9.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

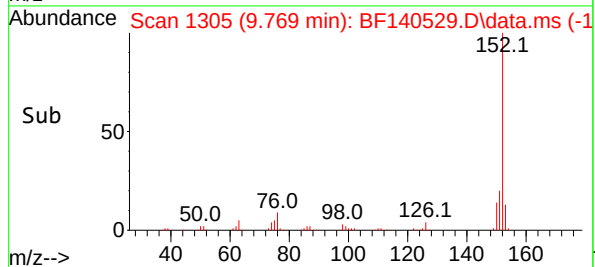
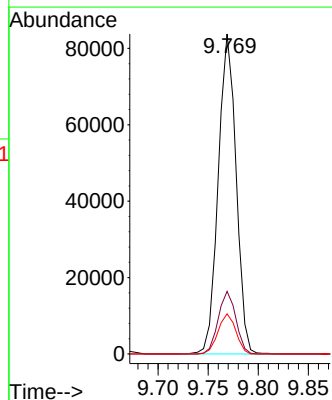
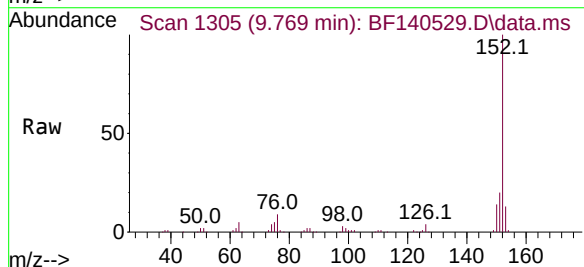
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

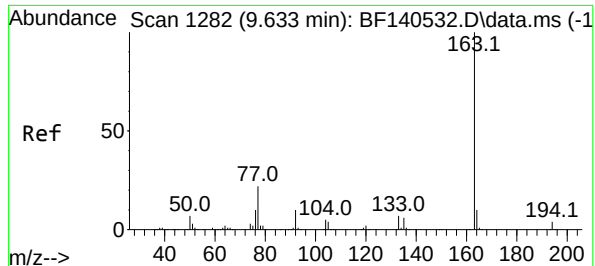
Tgt Ion: 65 Resp: 20109
Ion Ratio Lower Upper
65 100
92 71.4 56.1 84.1
138 102.5 81.0 121.6



#49
Acenaphthylene
Concen: 5.527 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion: 152 Resp: 103605
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 12.6 10.6 16.0

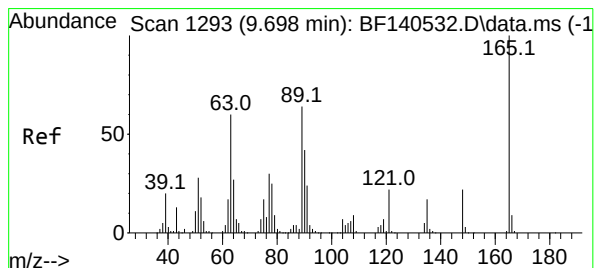
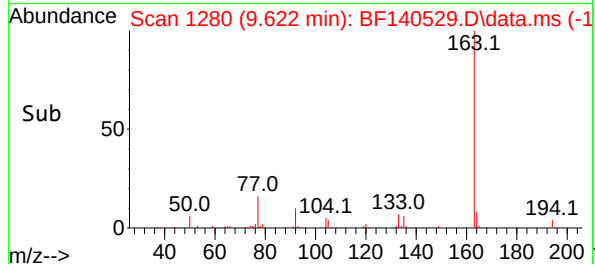
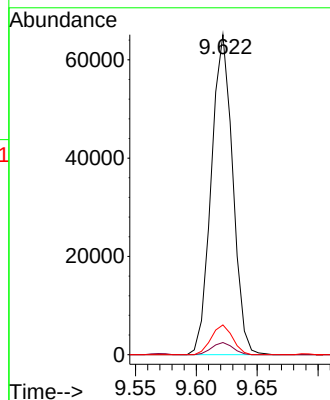
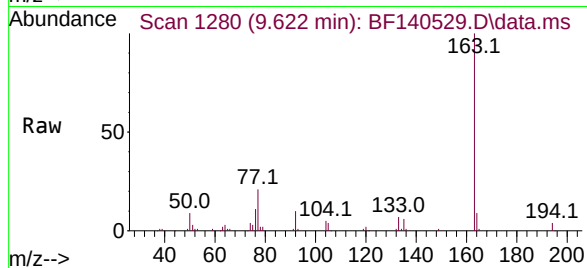




#50
Dimethylphthalate
Concen: 5.523 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

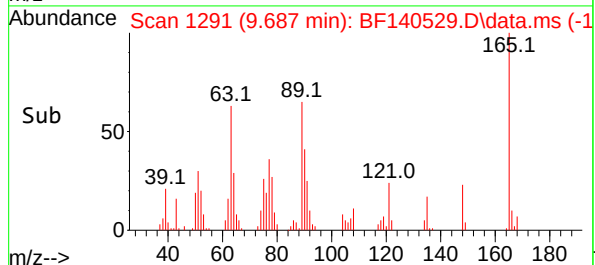
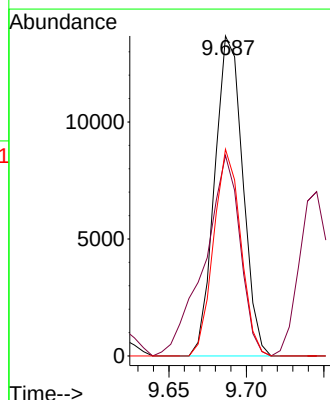
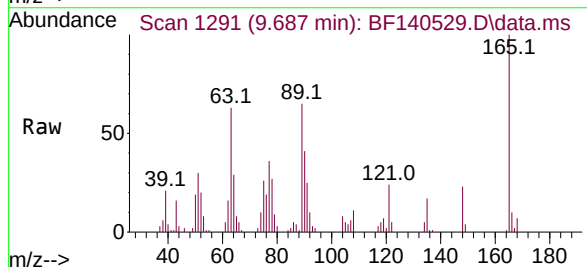
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

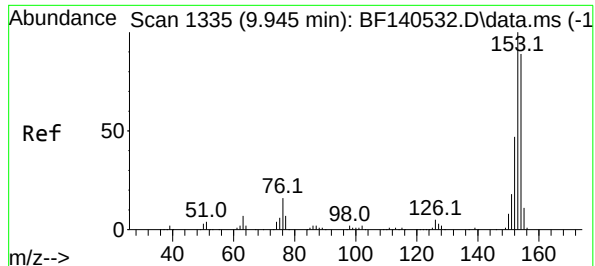
Tgt Ion:163 Resp: 79770
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.3 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 5.256 ng
RT: 9.687 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:165 Resp: 17217
Ion Ratio Lower Upper
165 100
63 62.7 49.9 74.9
89 64.6 50.9 76.3

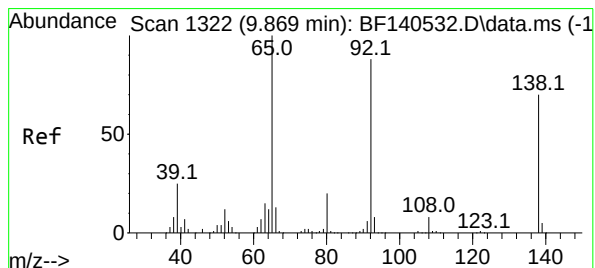
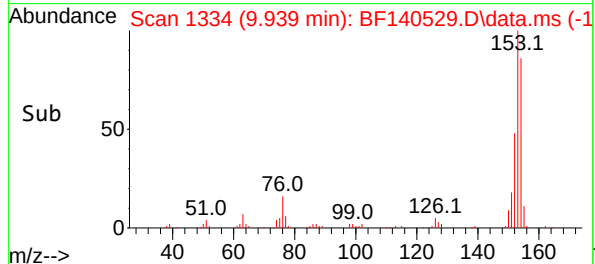
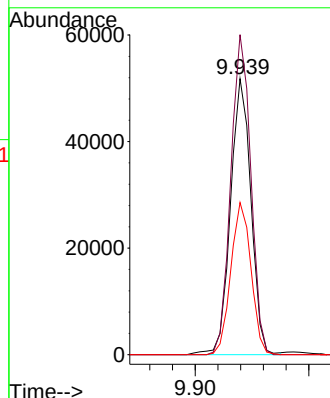
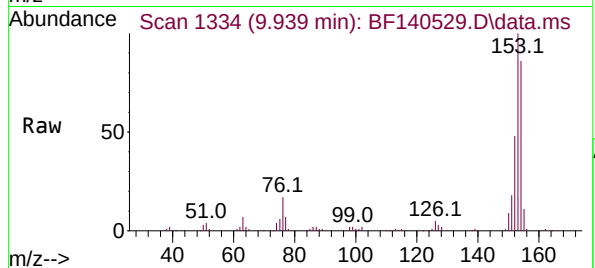




#52
Acenaphthene
Concen: 5.337 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

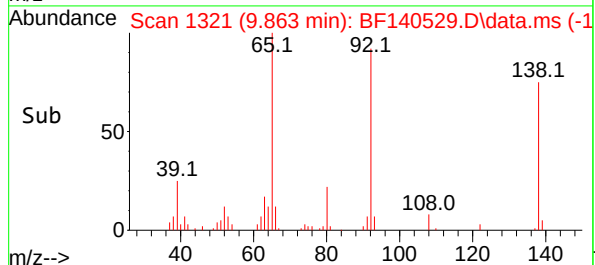
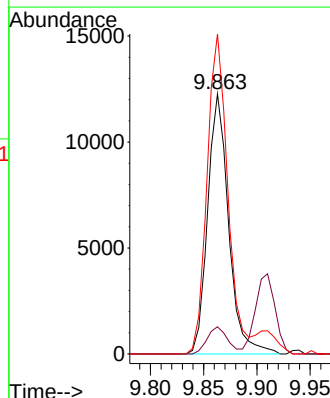
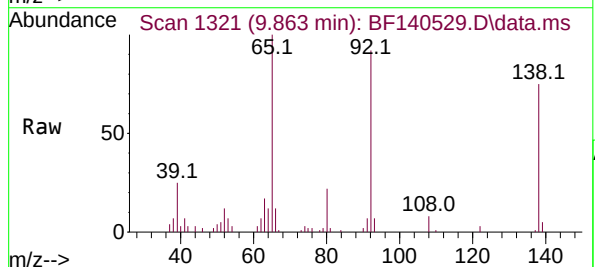
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

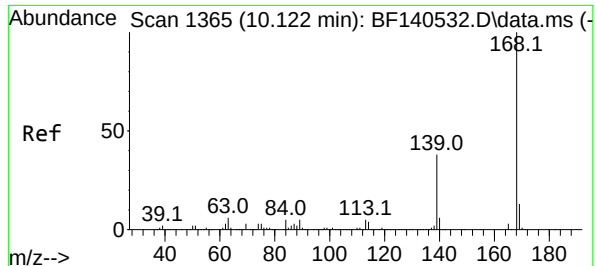
Tgt Ion:154 Resp: 64777
Ion Ratio Lower Upper
154 100
153 116.0 89.7 134.5
152 55.1 42.5 63.7



#53
3-Nitroaniline
Concen: 5.257 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:138 Resp: 16842
Ion Ratio Lower Upper
138 100
108 10.5 9.2 13.8
92 123.1 100.6 150.8





#55

Dibenzofuran

Concen: 5.727 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

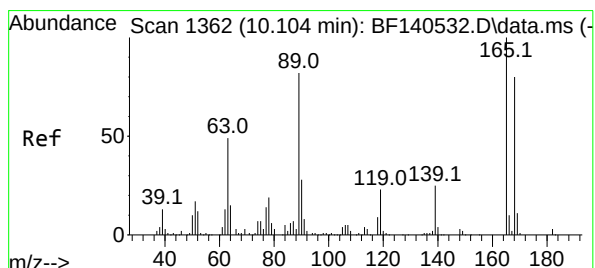
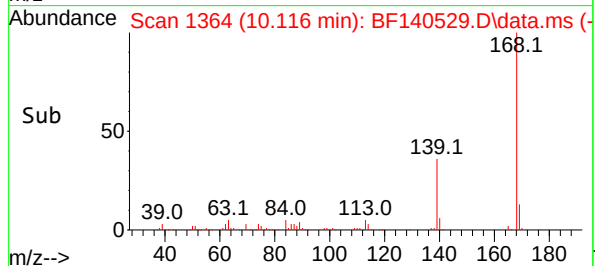
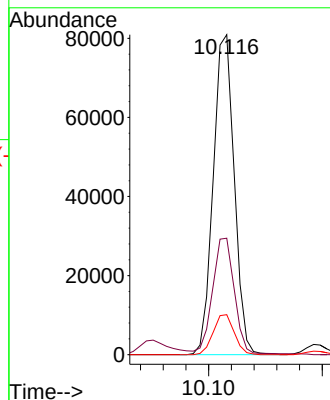
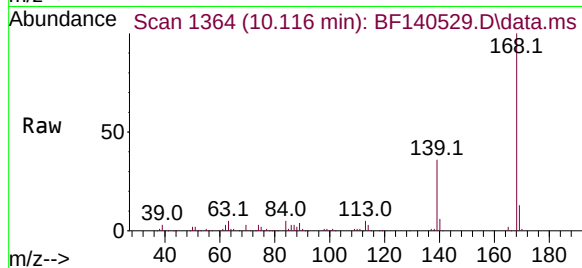
Tgt Ion:168 Resp: 104044

Ion Ratio Lower Upper

168 100

139 36.4 31.3 46.9

169 12.5 10.5 15.7



#57

2,4-Dinitrotoluene

Concen: 5.079 ng

RT: 10.098 min Scan# 1361

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Tgt Ion:165 Resp: 22110

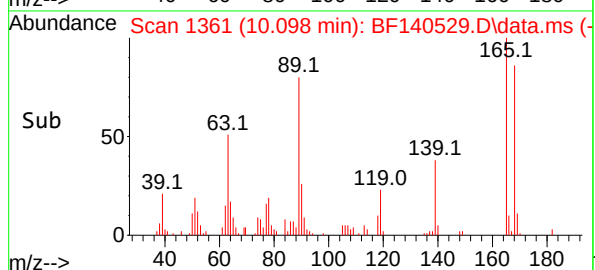
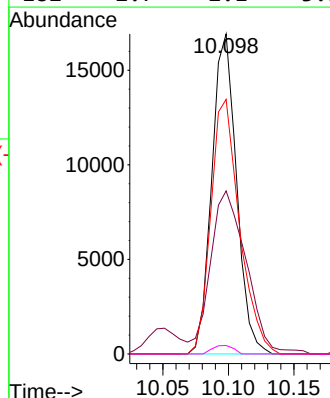
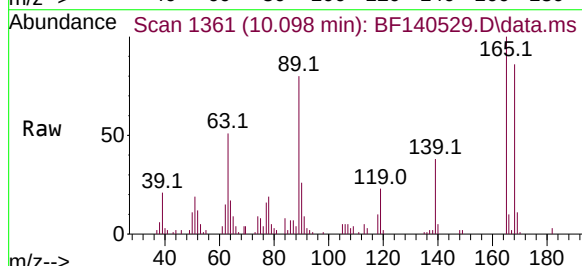
Ion Ratio Lower Upper

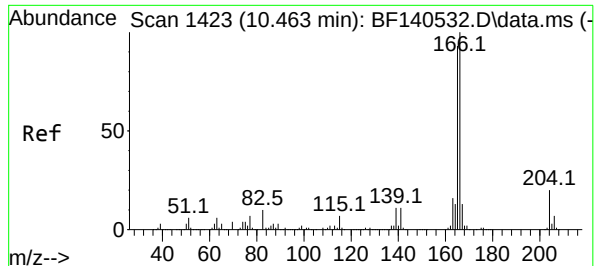
165 100

63 50.9 41.7 62.5

89 79.6 65.8 98.8

182 2.7 2.1 3.1

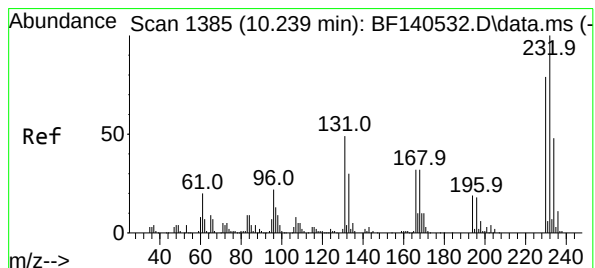
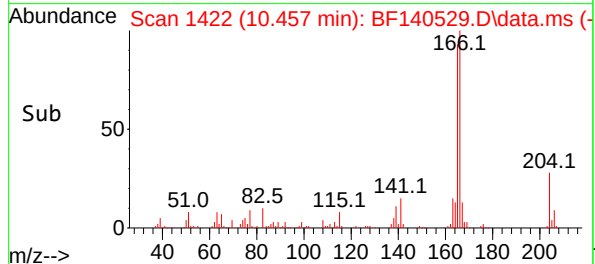
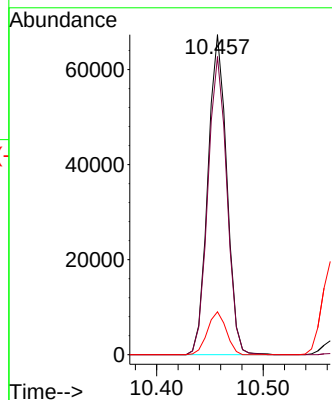
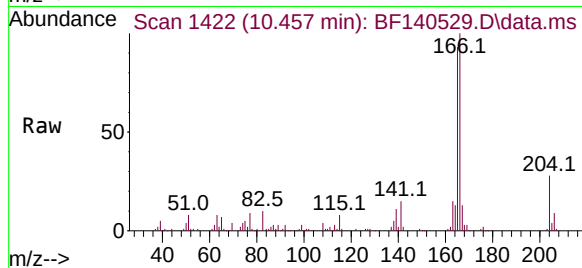




#58
Fluorene
Concen: 5.674 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

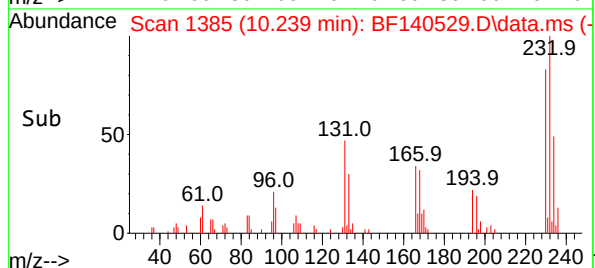
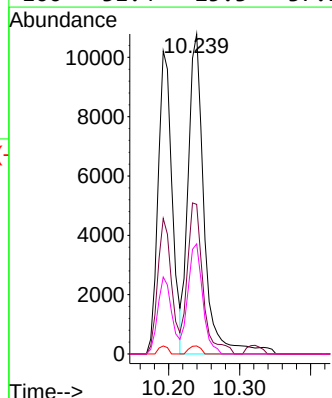
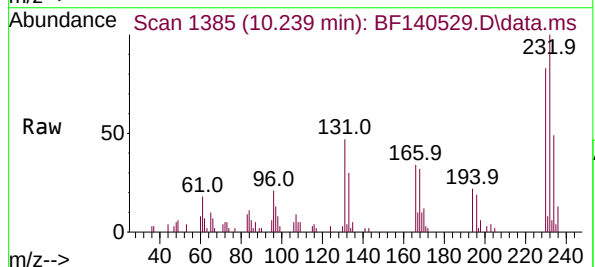
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

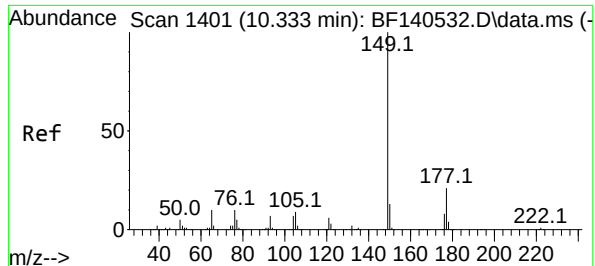
Tgt Ion:166 Resp: 82732
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.4 10.6 16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 5.007 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:232 Resp: 16825
Ion Ratio Lower Upper
232 100
131 45.4 39.6 59.4
130 1.8 1.9 2.9#
166 31.4 25.3 37.9

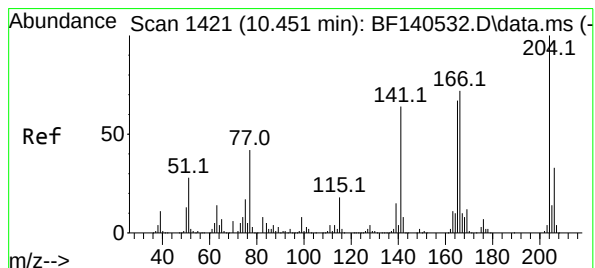
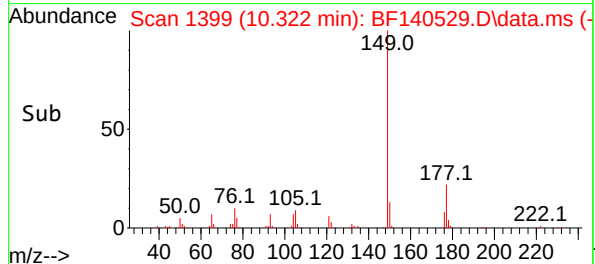
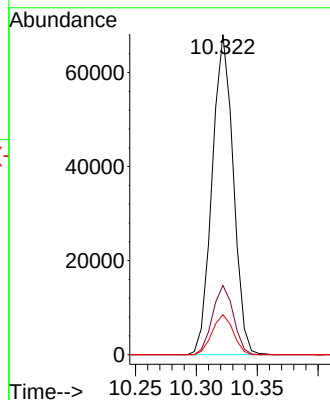
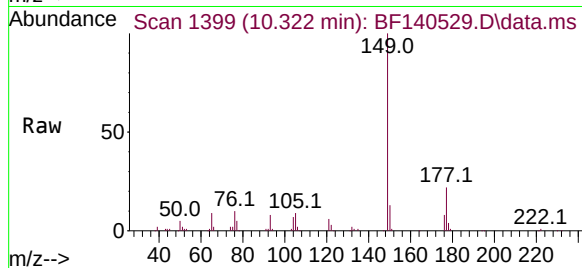




#60
Diethylphthalate
Concen: 5.587 ng
RT: 10.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

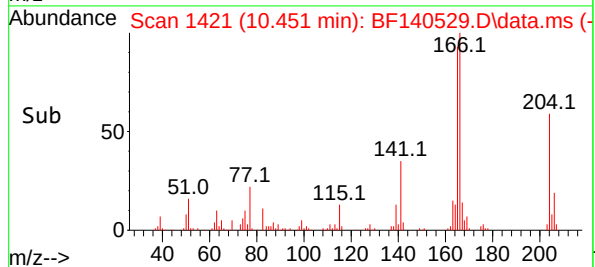
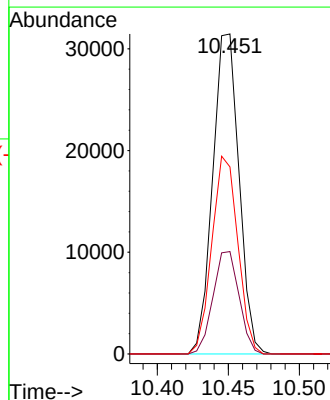
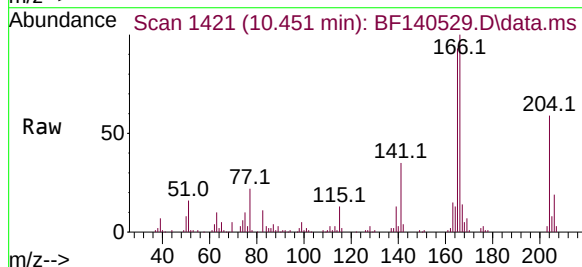
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

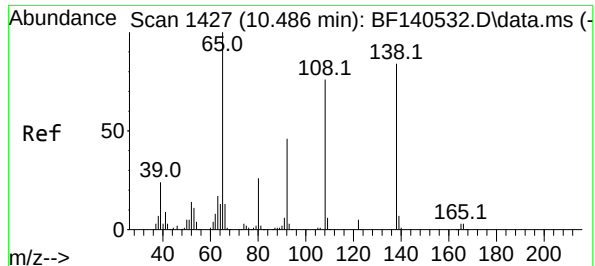
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.1	25.7
150	12.5	10.1	15.1



#61
4-Chlorophenyl-phenylether
Concen: 5.665 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.6	40.0
141	58.5	51.1	76.7

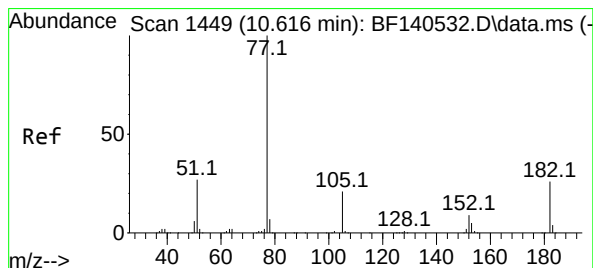
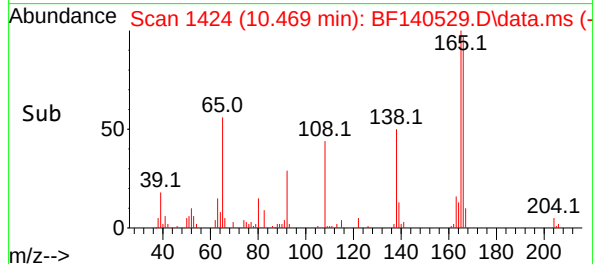
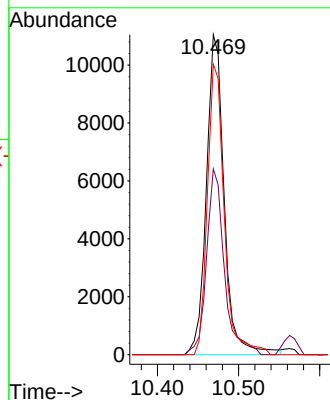
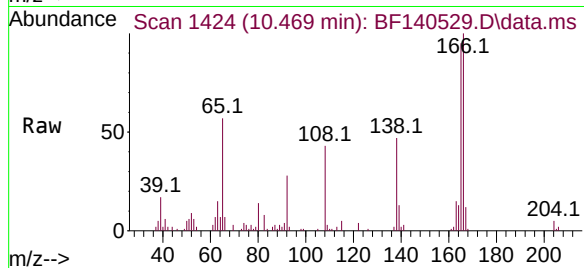




#62
4-Nitroaniline
Concen: 5.014 ng
RT: 10.469 min Scan# 1427
Delta R.T. -0.018 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

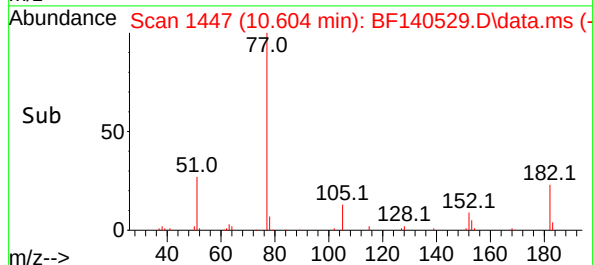
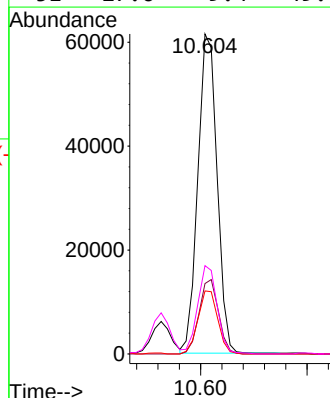
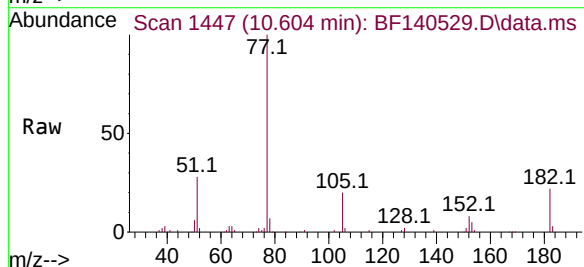
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

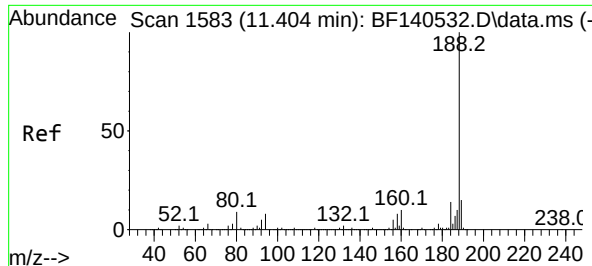
Tgt Ion:138 Resp: 16848
Ion Ratio Lower Upper
138 100
92 58.1 34.5 74.5
108 90.7 70.6 110.6



#63
Azobenzene
Concen: 5.549 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion: 77 Resp: 77108
Ion Ratio Lower Upper
77 100
182 22.0 5.3 45.3
105 19.7 0.3 40.3
51 27.6 9.4 49.4

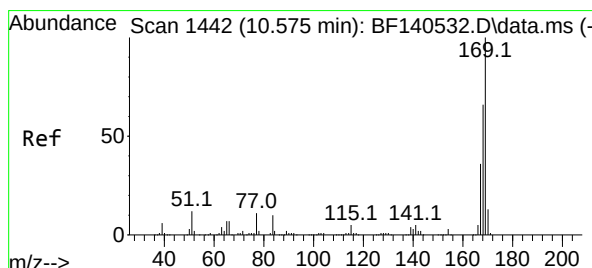
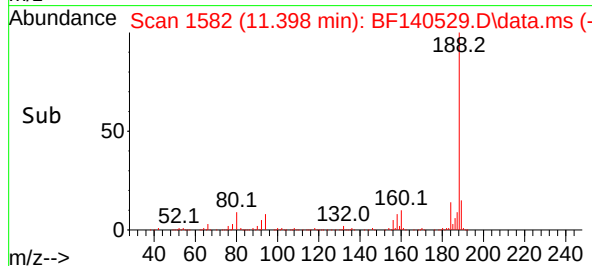
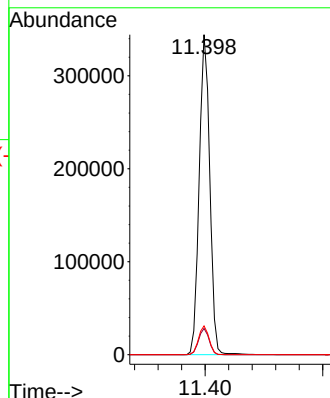
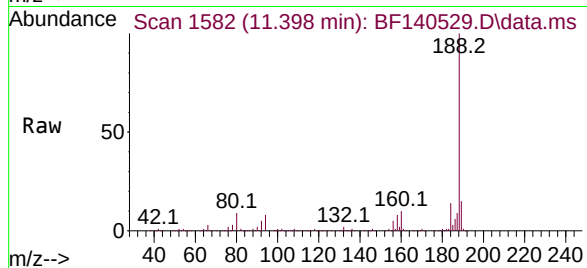




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

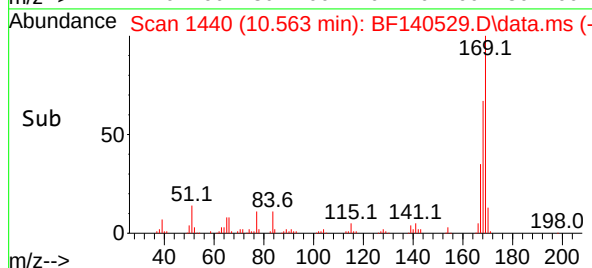
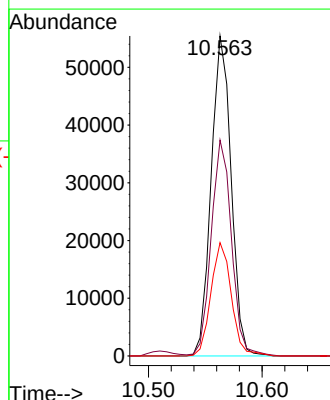
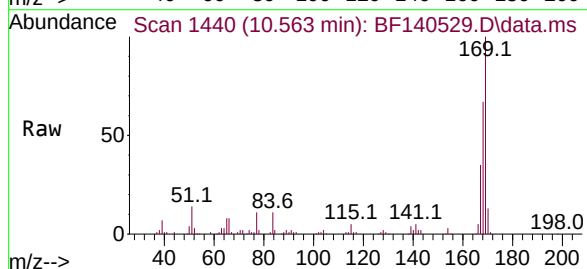
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

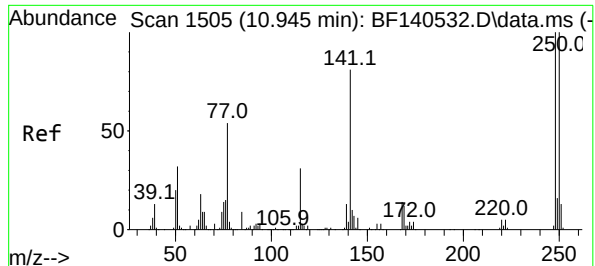
Tgt Ion:188 Resp: 428851
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.0 6.9 10.3



#66
n-Nitrosodiphenylamine
Concen: 5.346 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:169 Resp: 67794
Ion Ratio Lower Upper
169 100
168 67.4 53.2 79.8
167 35.4 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 5.288 ng

RT: 10.939 min Scan# 1504

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

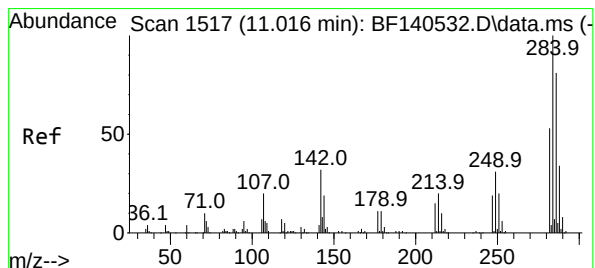
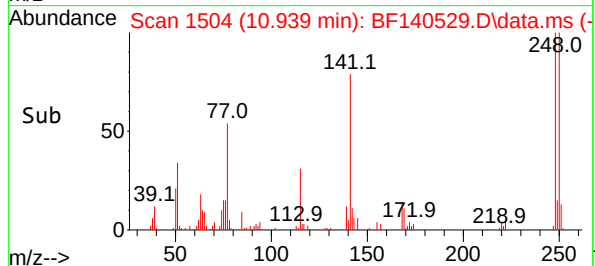
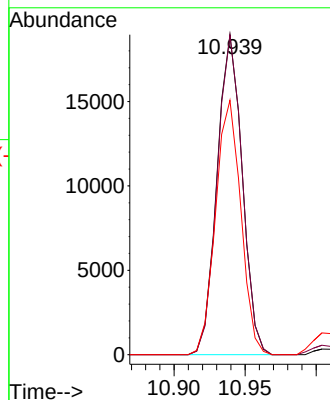
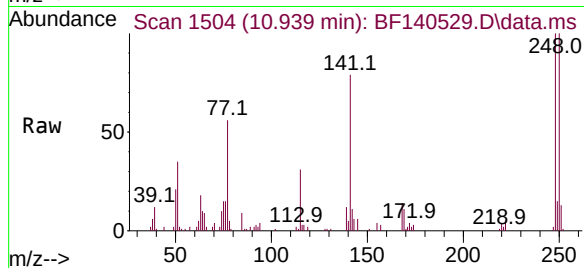
Tgt Ion:248 Resp: 23355

Ion Ratio Lower Upper

248 100

250 99.9 79.8 119.8

141 79.5 64.7 97.1



#68

Hexachlorobenzene

Concen: 5.384 ng

RT: 11.010 min Scan# 1516

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

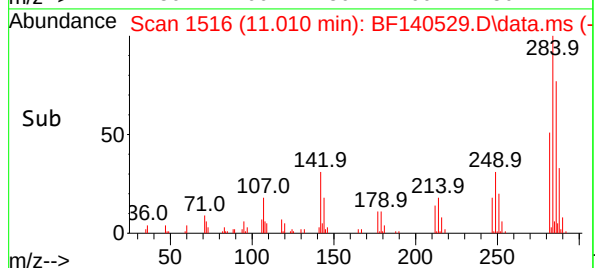
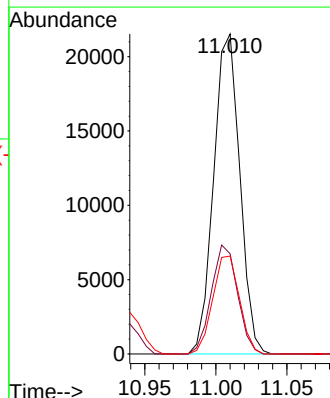
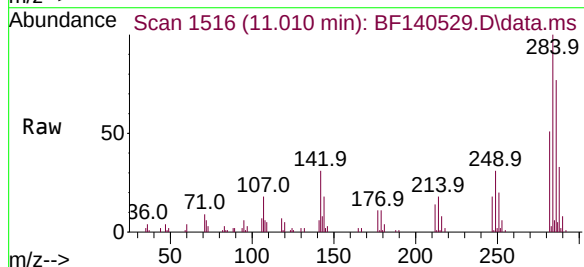
Tgt Ion:284 Resp: 27532

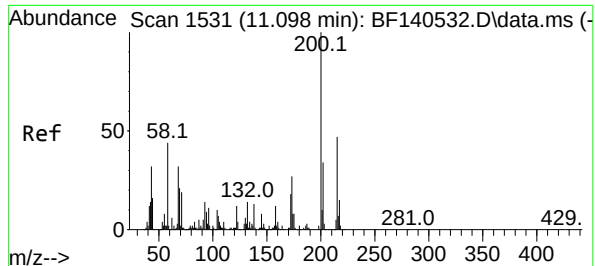
Ion Ratio Lower Upper

284 100

142 31.3 25.3 37.9

249 30.6 24.8 37.2





#69

Atrazine

Concen: 5.452 ng

RT: 11.086 min Scan# 1529

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

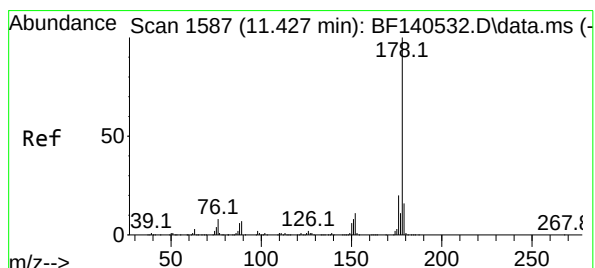
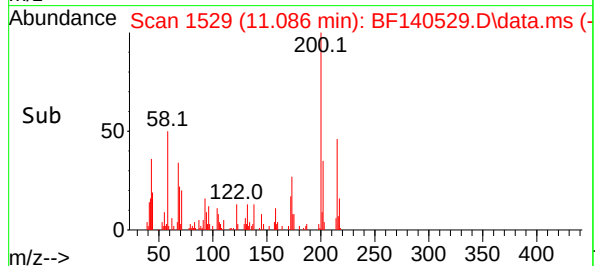
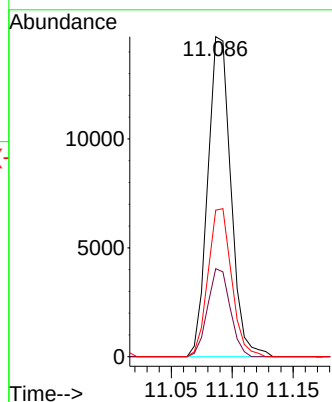
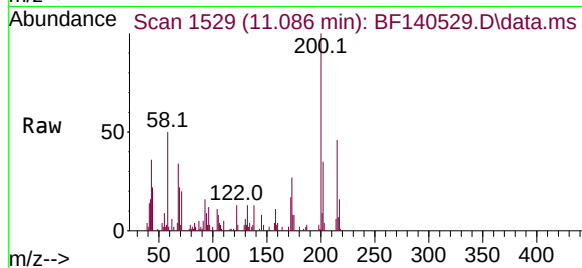
Tgt Ion:200 Resp: 19452

Ion Ratio Lower Upper

200 100

173 27.5 7.0 47.0

215 45.8 26.7 66.7



#71

Phenanthrene

Concen: 5.584 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

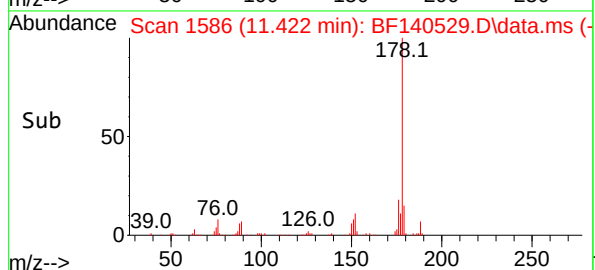
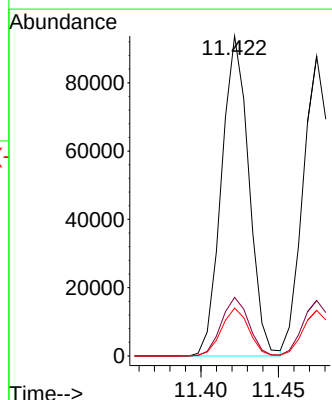
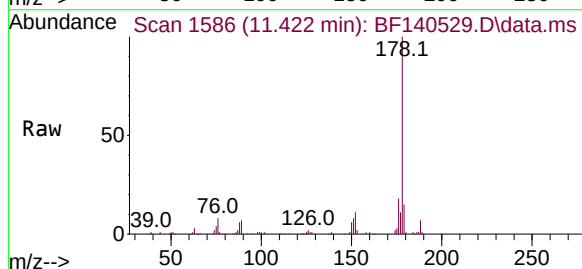
Tgt Ion:178 Resp: 115121

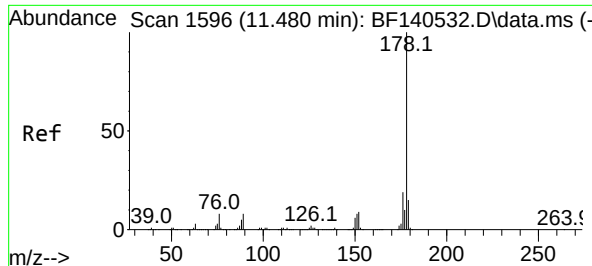
Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

179 14.9 12.4 18.6

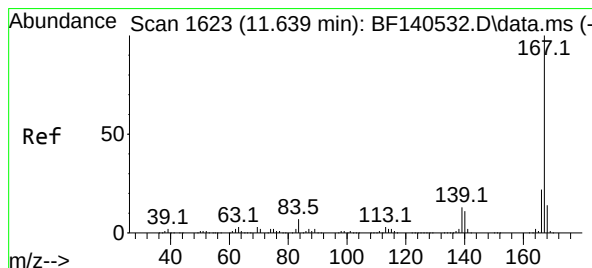
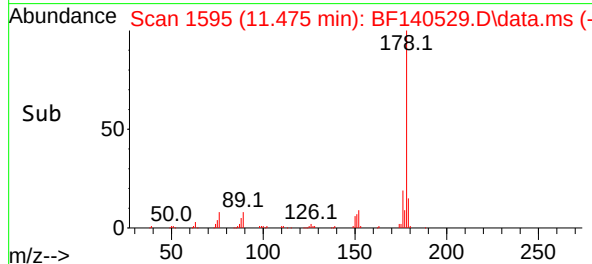
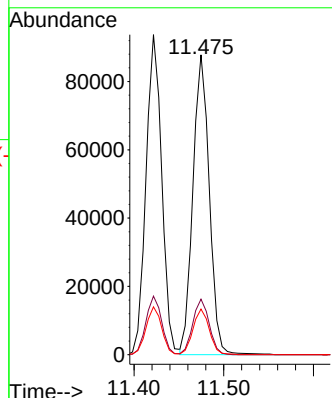
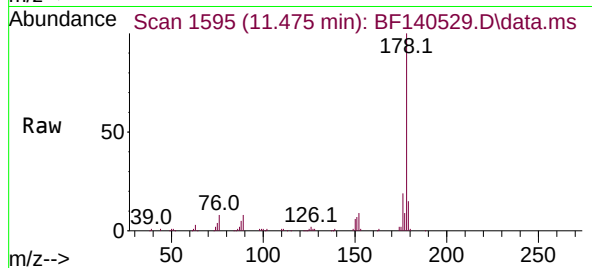




#72
Anthracene
Concen: 5.520 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

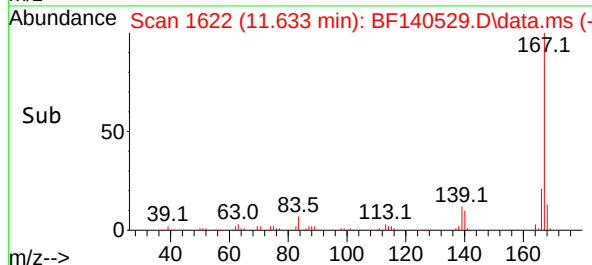
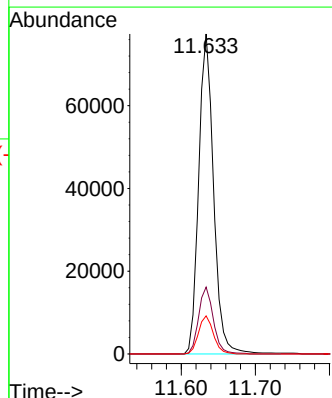
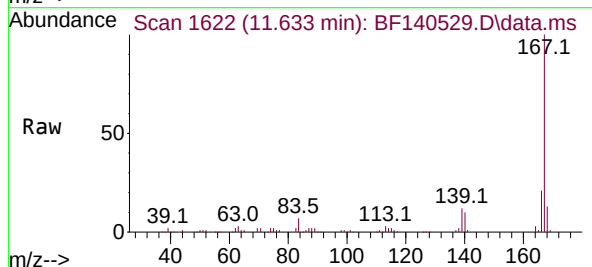
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

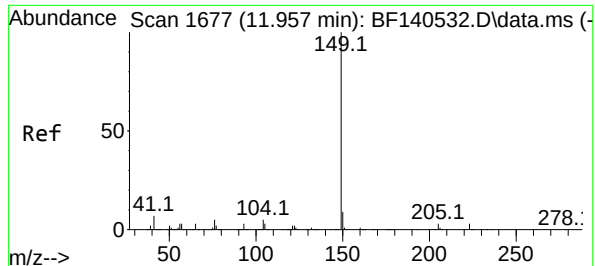
Tgt Ion:178 Resp: 111316
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.2 12.2 18.4



#73
Carbazole
Concen: 5.549 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:167 Resp: 107643
Ion Ratio Lower Upper
167 100
166 20.9 17.2 25.8
139 11.9 10.6 15.8

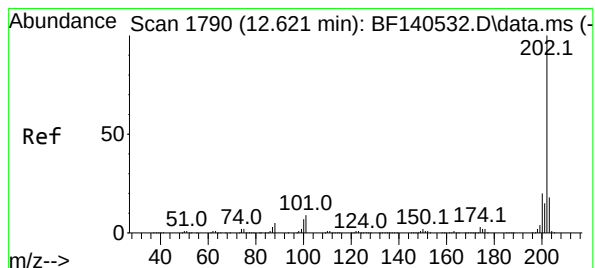
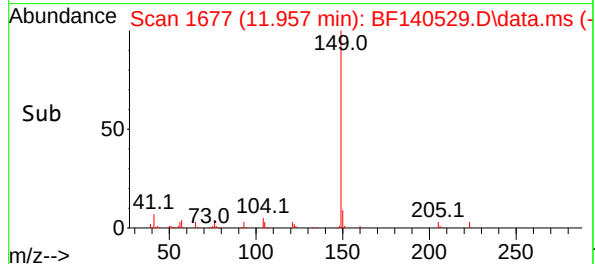
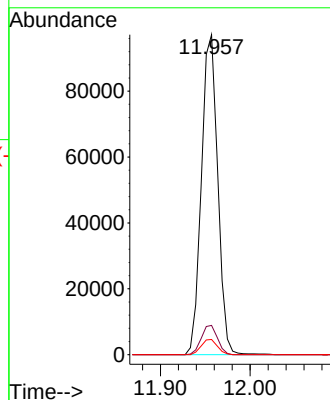
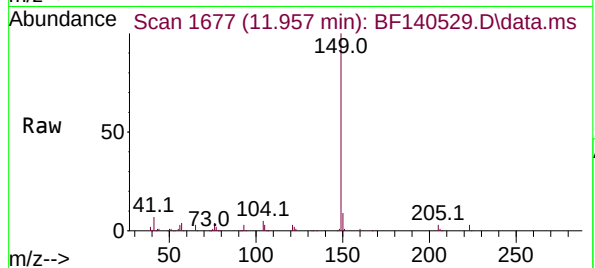




#74
Di-n-butylphthalate
Concen: 5.478 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

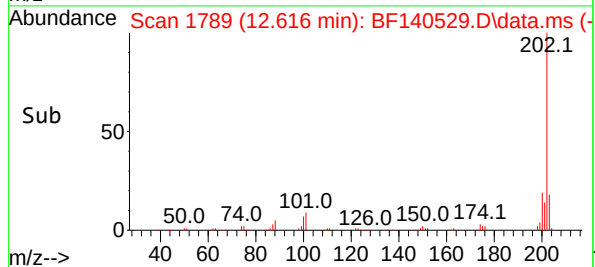
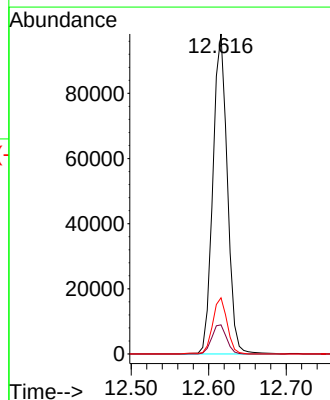
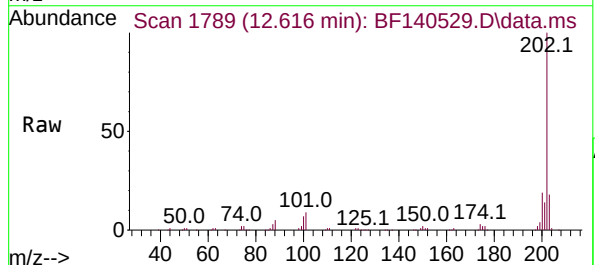
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

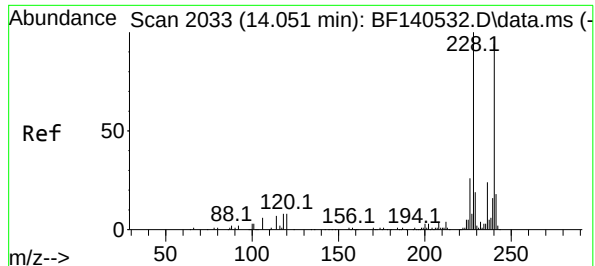
Tgt Ion:149 Resp: 122687
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.7 4.1 6.1



#75
Fluoranthene
Concen: 5.683 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:202 Resp: 127194
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.9
203 17.5 0.0 37.6

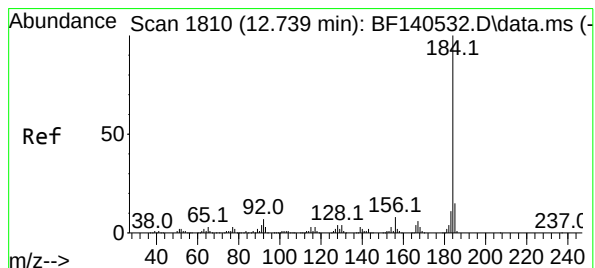
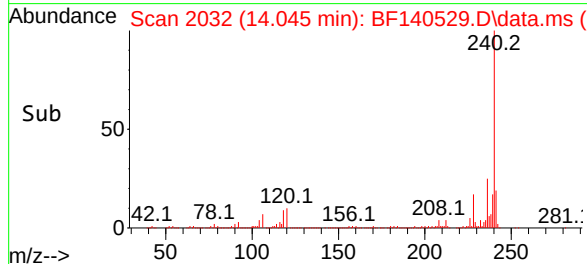
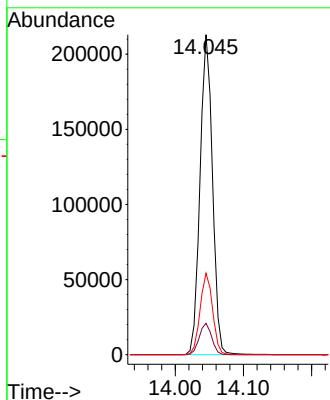
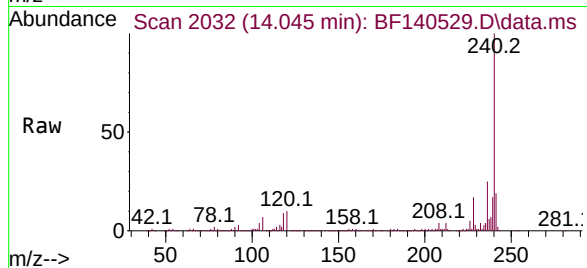




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

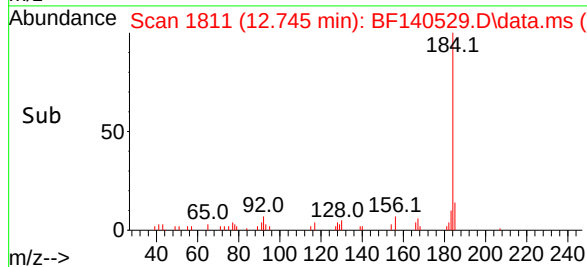
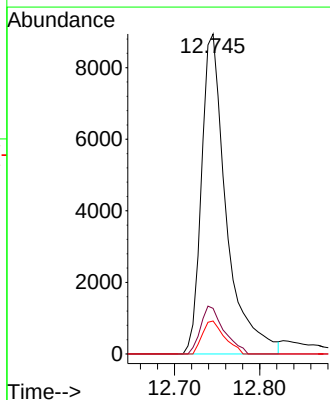
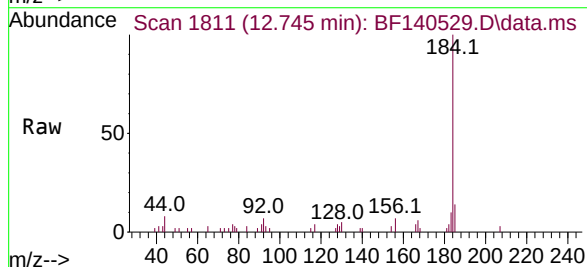
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

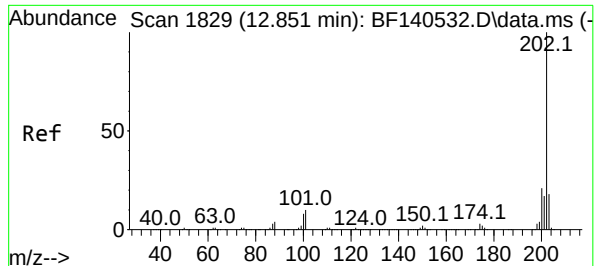
Tgt Ion:240 Resp: 270381
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.5 20.6 31.0



#77
Benzidine
Concen: 2.303 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:184 Resp: 18105
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 10.3 8.8 13.2

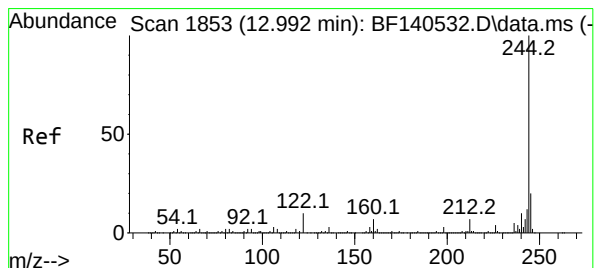
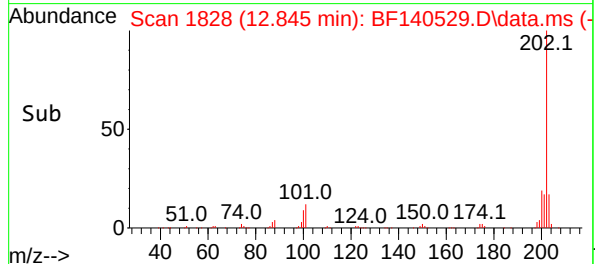
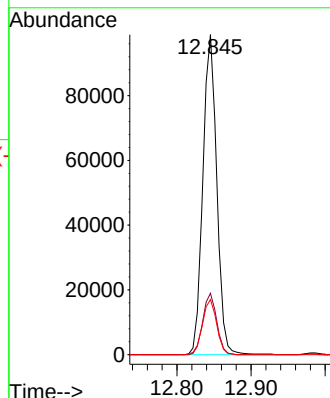
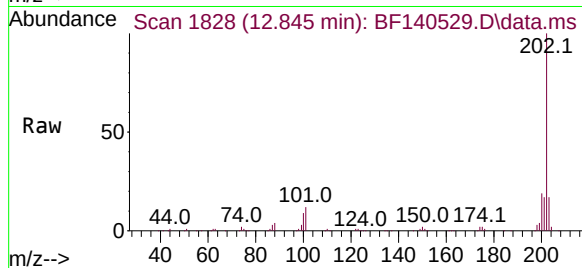




#78
Pyrene
Concen: 5.150 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

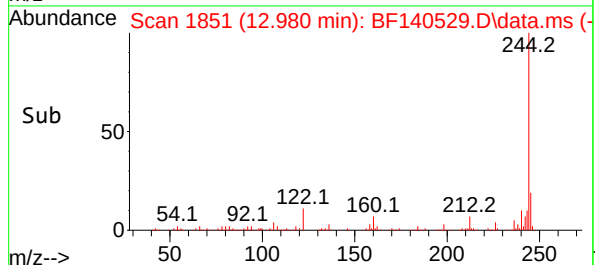
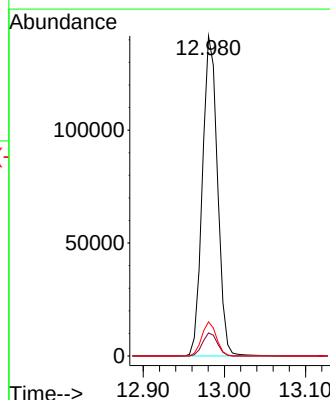
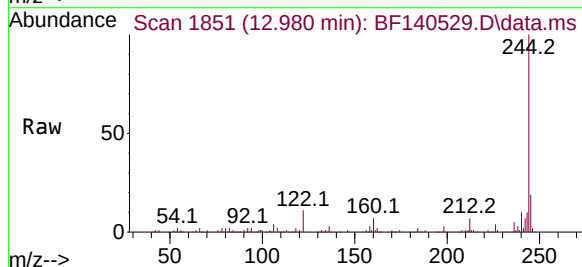
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

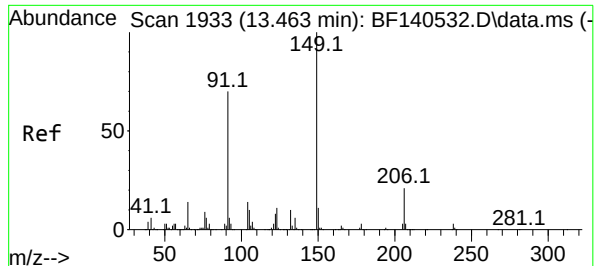
Tgt Ion:202 Resp: 128760
Ion Ratio Lower Upper
202 100
200 19.2 16.5 24.7
203 17.3 14.2 21.4



#79
Terphenyl-d14
Concen: 10.522 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:244 Resp: 182707
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.7 8.0 12.0





#80

Butylbenzylphthalate

Concen: 5.073 ng

RT: 13.457 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

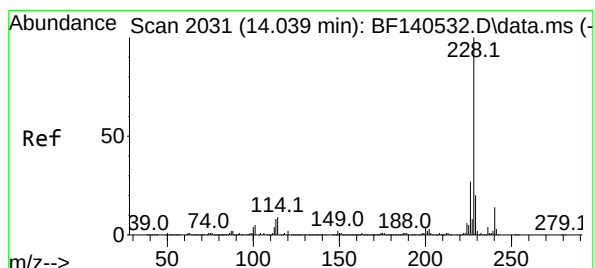
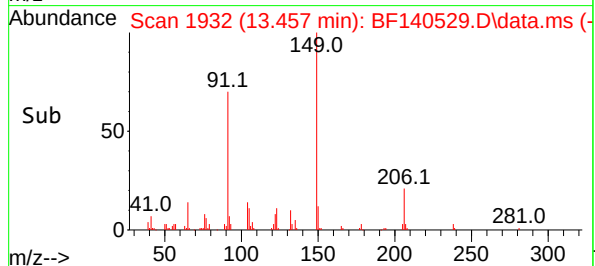
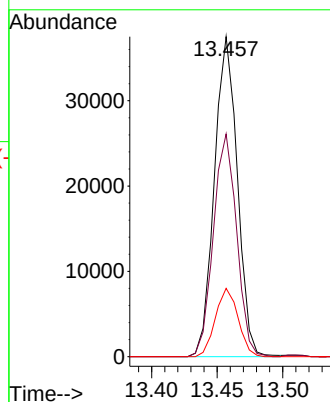
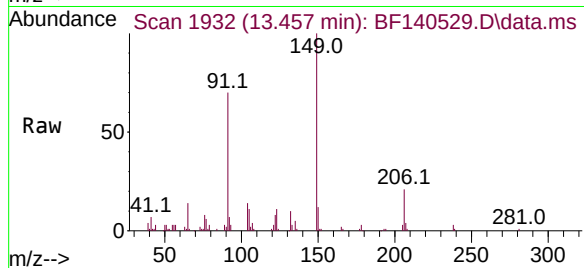
Tgt Ion:149 Resp: 45690

Ion Ratio Lower Upper

149 100

91 69.6 56.2 84.2

206 21.4 16.4 24.6



#81

Benzo(a)anthracene

Concen: 5.321 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

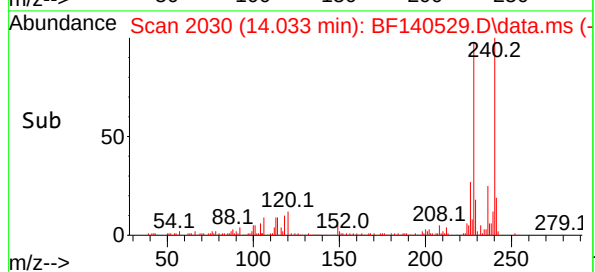
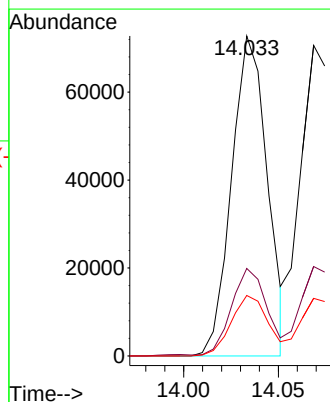
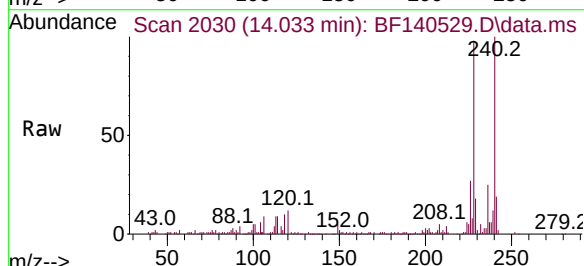
Tgt Ion:228 Resp: 95229

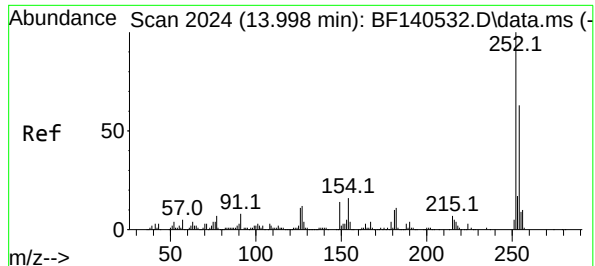
Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 18.9 15.8 23.6





#82

3,3'-Dichlorobenzidine

Concen: 4.712 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

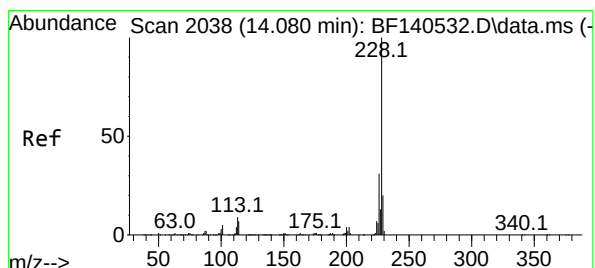
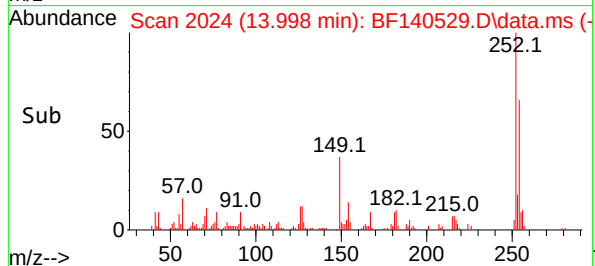
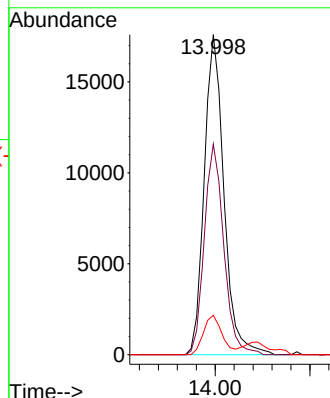
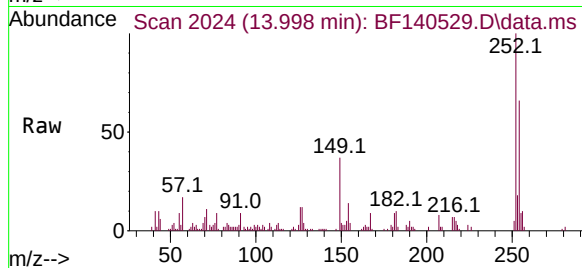
Tgt Ion:252 Resp: 25321

Ion Ratio Lower Upper

252 100

254 65.8 50.8 76.2

126 12.3 8.6 13.0



#83

Chrysene

Concen: 5.593 ng

RT: 14.069 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

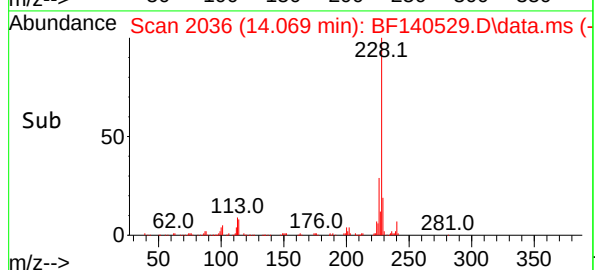
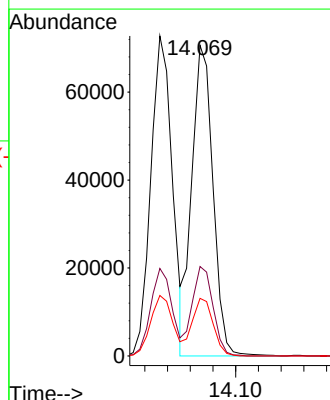
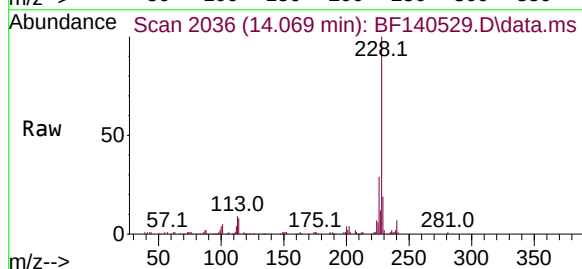
Tgt Ion:228 Resp: 91528

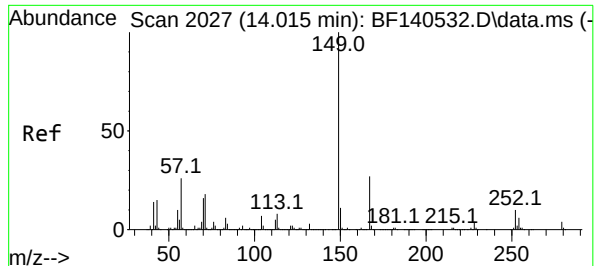
Ion Ratio Lower Upper

228 100

226 28.8 24.4 36.6

229 18.5 15.8 23.6

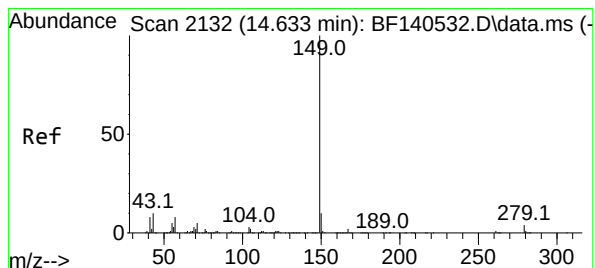
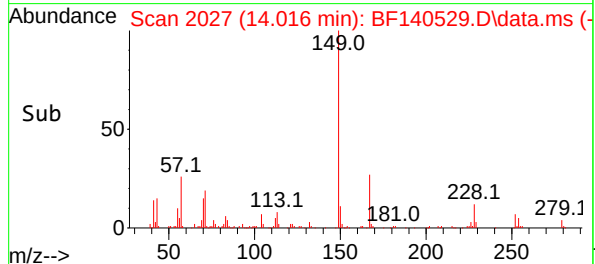
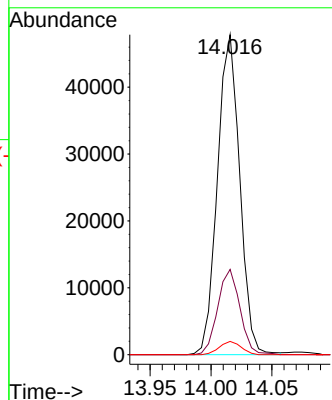
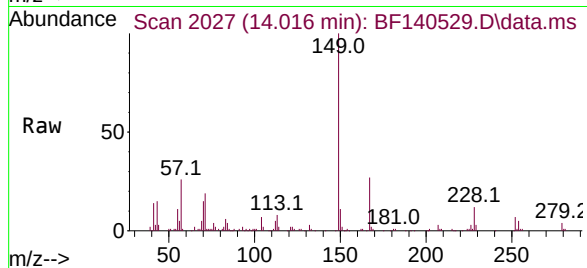




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.371 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

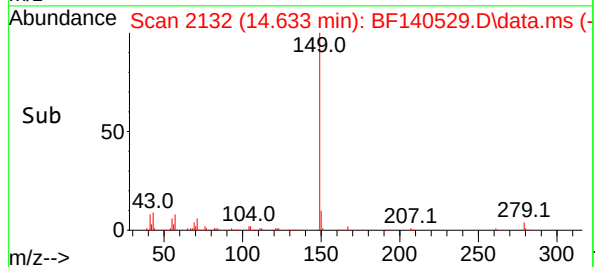
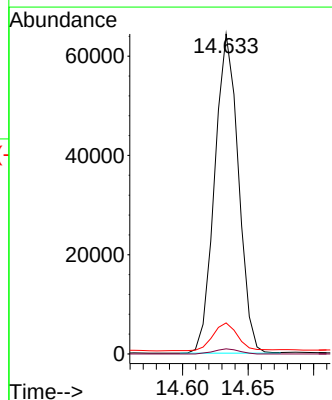
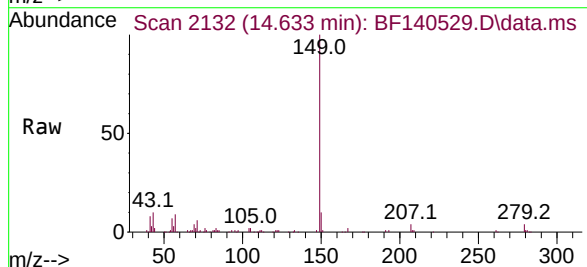
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

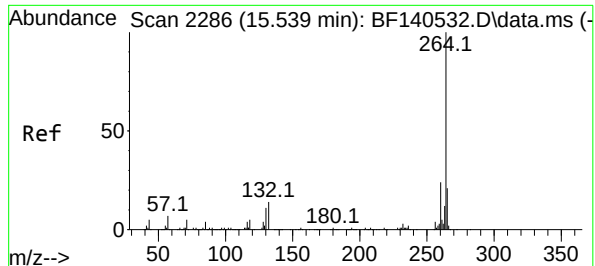
Tgt Ion:149 Resp: 61082
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 4.1 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 5.211 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:149 Resp: 80990
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.3 7.7 11.5

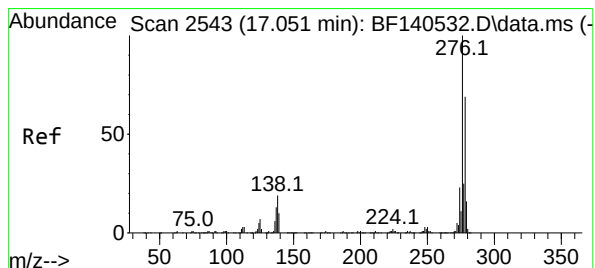
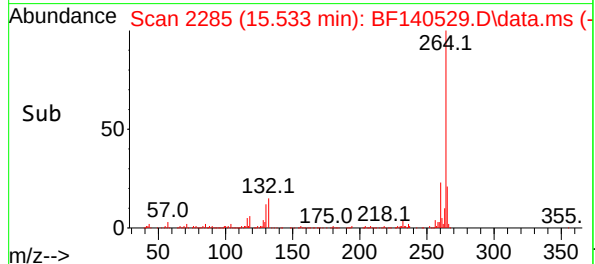
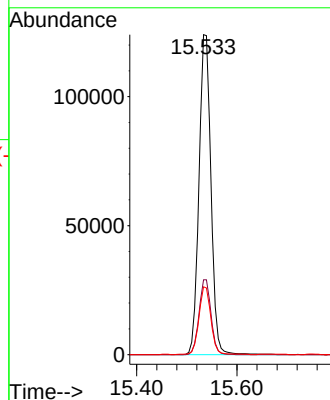
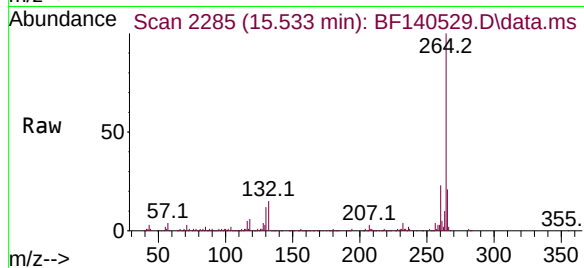




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

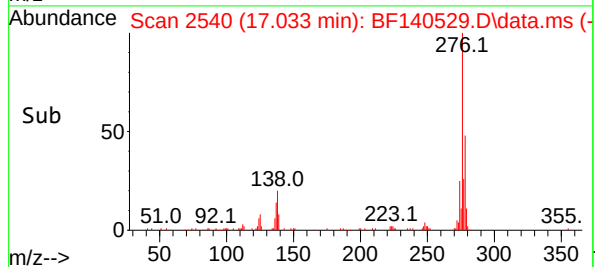
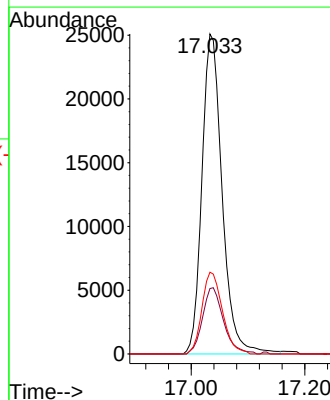
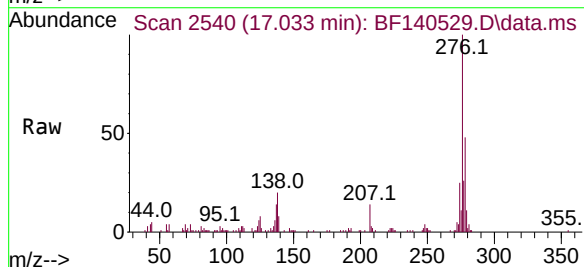
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

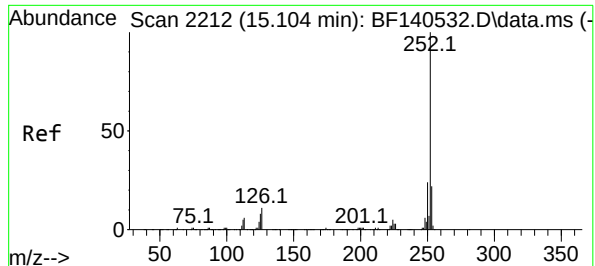
Tgt Ion:264 Resp: 205006
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 21.2 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.637 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.017 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

Tgt Ion:276 Resp: 61952
Ion Ratio Lower Upper
276 100
138 21.5 15.5 23.3
277 25.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.362 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

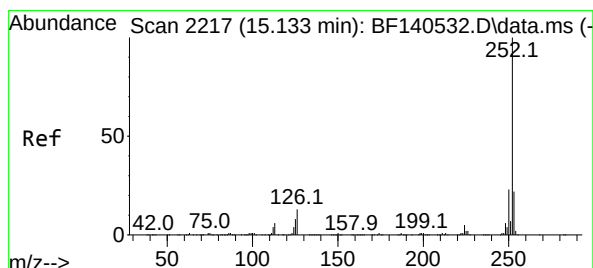
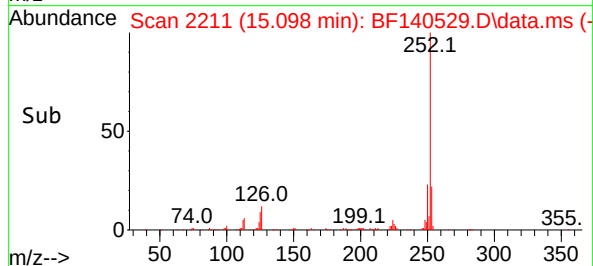
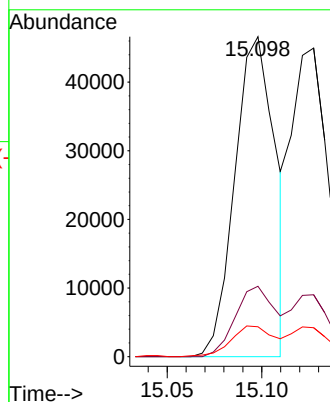
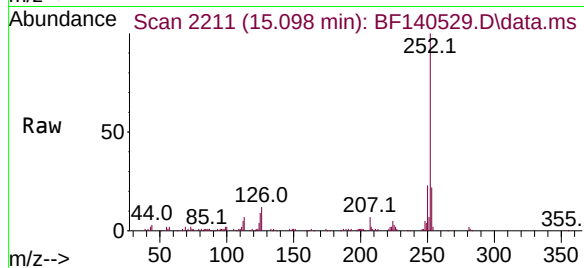
Tgt Ion:252 Resp: 69048

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.4 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 5.655 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

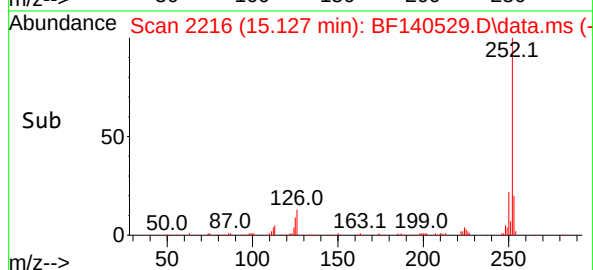
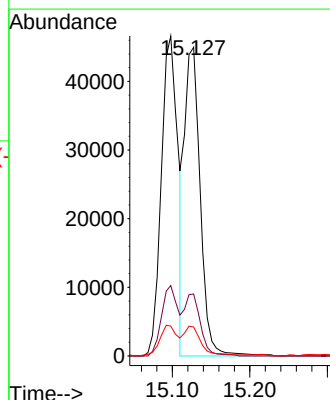
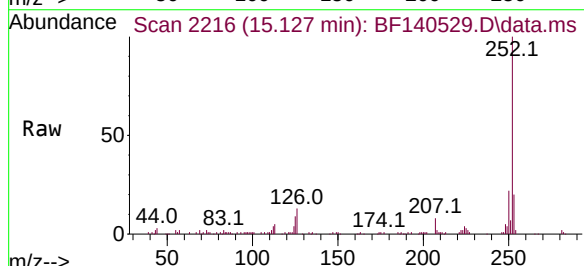
Tgt Ion:252 Resp: 63717

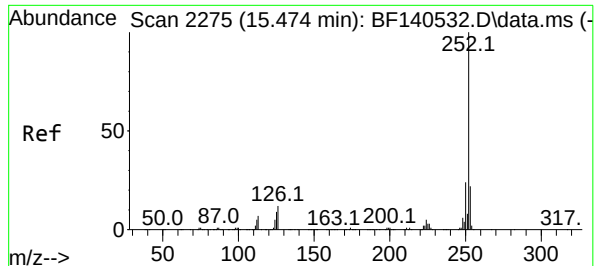
Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

125 9.4 6.5 9.7





#90

Benzo(a)pyrene

Concen: 5.198 ng

RT: 15.469 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

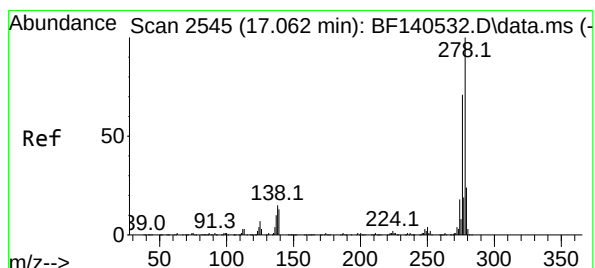
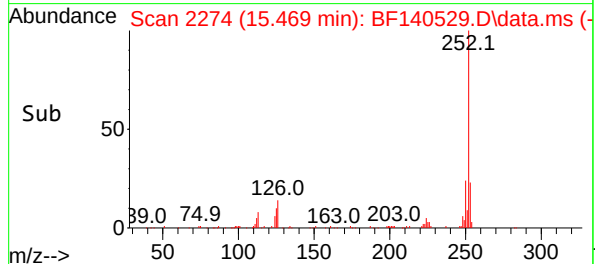
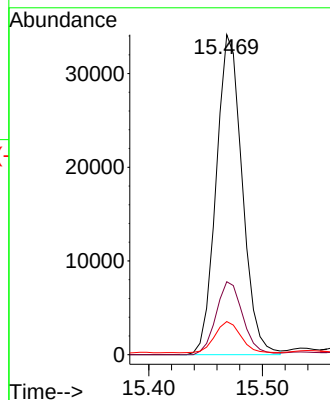
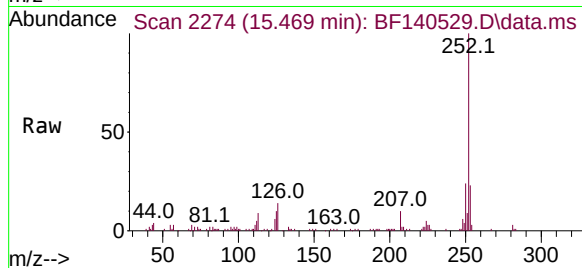
Tgt Ion:252 Resp: 54423

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 10.4 7.0 10.6



#91

Dibenzo(a,h)anthracene

Concen: 4.755 ng

RT: 17.051 min Scan# 2543

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

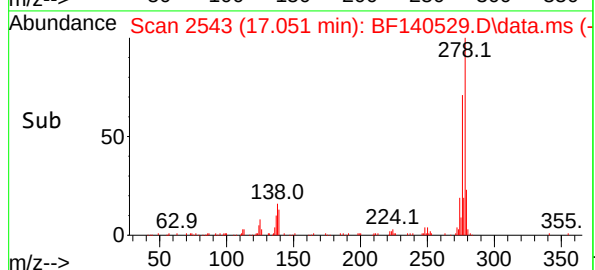
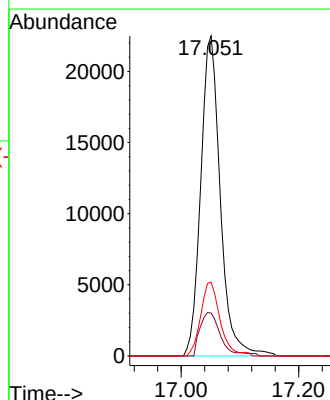
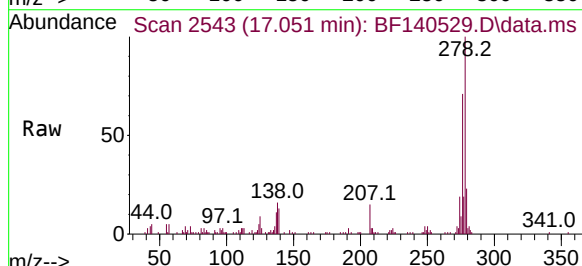
Tgt Ion:278 Resp: 52029

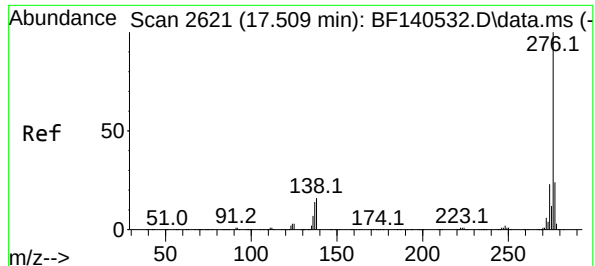
Ion Ratio Lower Upper

278 100

139 13.4 10.2 15.4

279 23.0 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 4.740 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF140529.D

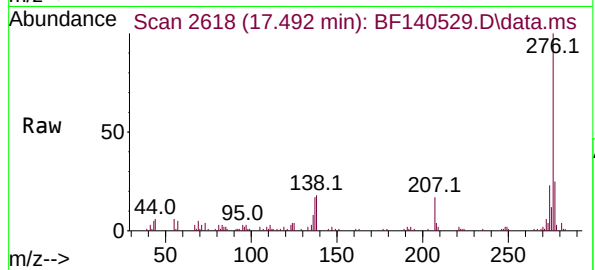
Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



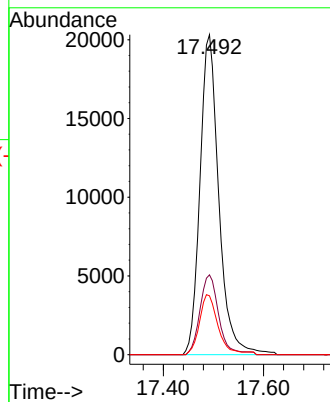
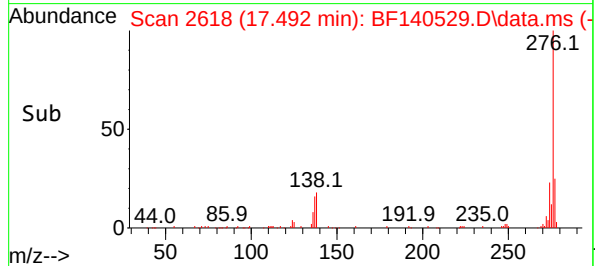
Tgt Ion:276 Resp: 52919

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 18.4 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140530.D
 Acq On : 21 Nov 2024 12:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:10:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	101758	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	377828	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	213774	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	399362	20.000	ng	0.00
76) Chrysene-d12	14.045	240	256196	20.000	ng	0.00
86) Perylene-d12	15.533	264	194024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	125454	21.035	ng	0.00
7) Phenol-d6	6.504	99	164515	20.866	ng	-0.01
23) Nitrobenzene-d5	7.428	82	152410	20.633	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	44626	19.519	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	299817	20.896	ng	0.00
79) Terphenyl-d14	12.980	244	321362	19.532	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	25524	10.179	ng	99
3) Pyridine	3.428	79	51851	9.398	ng	96
4) n-Nitrosodimethylamine	3.357	42	31093	9.589	ng	99
6) Aniline	6.534	93	60808	10.957	ng	# 79
8) 2-Chlorophenol	6.657	128	67572	10.531	ng	98
9) Benzaldehyde	6.422	77	51225	12.273	ng	99
10) Phenol	6.522	94	83830	10.411	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	63186	10.255	ng	99
12) 1,3-Dichlorobenzene	6.810	146	75941	10.533	ng	99
13) 1,4-Dichlorobenzene	6.887	146	76389	10.464	ng	99
14) 1,2-Dichlorobenzene	7.040	146	72962	10.666	ng	100
15) Benzyl Alcohol	7.010	79	59748	10.218	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	75295	10.344	ng	79
17) 2-Methylphenol	7.128	107	52599	10.241	ng	94
18) Hexachloroethane	7.381	117	27715	10.165	ng	98
19) n-Nitroso-di-n-propyla...	7.275	70	48309	10.367	ng	98
20) 3+4-Methylphenols	7.281	107	69290	10.496	ng	98
22) Acetophenone	7.275	105	96618	10.489	ng	97
24) Nitrobenzene	7.451	77	77259	10.120	ng	99
25) Isophorone	7.687	82	123528	10.026	ng	99
26) 2-Nitrophenol	7.769	139	32564	9.625	ng	98
27) 2,4-Dimethylphenol	7.804	122	40421	9.986	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	77116	10.274	ng	99
29) 2,4-Dichlorophenol	8.016	162	55037	10.261	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	63769	10.413	ng	98
31) Naphthalene	8.175	128	203054	10.434	ng	99
32) Benzoic acid	7.887	122	19174m	11.820	ng	
33) 4-Chloroaniline	8.222	127	60102	10.315	ng	99
34) Hexachlorobutadiene	8.287	225	42479	10.472	ng	98
35) Caprolactam	8.563	113	17126	10.317	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	60104	10.008	ng	99
37) 2-Methylnaphthalene	8.863	142	128393	10.387	ng	100
38) 1-Methylnaphthalene	8.963	142	125672	10.372	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	64508	10.308	ng	99
41) Hexachlorocyclopentadiene	9.016	237	5836	11.063	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	38279	9.748	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140530.D
 Acq On : 21 Nov 2024 12:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:10:46 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 14:50:10 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	42321	9.930	ng	99
46) 1,1'-Biphenyl	9.328	154	163500	10.244	ng	99
47) 2-Chloronaphthalene	9.351	162	122350	10.117	ng	99
48) 2-Nitroaniline	9.451	65	37481	9.655	ng	98
49) Acenaphthylene	9.769	152	188676	10.326	ng	99
50) Dimethylphthalate	9.622	163	142079	10.092	ng	100
51) 2,6-Dinitrotoluene	9.692	165	31999	10.021	ng	94
52) Acenaphthene	9.939	154	118691	10.031	ng	99
53) 3-Nitroaniline	9.863	138	31781	10.177	ng	96
54) 2,4-Dinitrophenol	9.981	184	6086	11.143	ng	98
55) Dibenzofuran	10.116	168	185902	10.497	ng	99
56) 4-Nitrophenol	10.039	139	17052	8.006	ng	96
57) 2,4-Dinitrotoluene	10.098	165	43030	10.140	ng	95
58) Fluorene	10.457	166	150592	10.594	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	31672	9.670	ng	98
60) Diethylphthalate	10.322	149	146994	10.276	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	72915	10.452	ng	97
62) 4-Nitroaniline	10.469	138	32193	9.829	ng	96
63) Azobenzene	10.610	77	141049	10.412	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	14572	7.140	ng	93
66) n-Nitrosodiphenylamine	10.563	169	123384	10.447	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	42955	10.444	ng	98
68) Hexachlorobenzene	11.010	284	47993	10.078	ng	97
69) Atrazine	11.092	200	34193	10.292	ng	100
70) Pentachlorophenol	11.210	266	14110	6.732	ng	97
71) Phenanthrene	11.422	178	203602	10.606	ng	99
72) Anthracene	11.475	178	198430	10.567	ng	100
73) Carbazole	11.633	167	189597	10.495	ng	100
74) Di-n-butylphthalate	11.957	149	214564	10.288	ng	99
75) Fluoranthene	12.616	202	221773	10.640	ng	99
77) Benzidine	12.739	184	54022	7.252	ng	100
78) Pyrene	12.845	202	230747	9.741	ng	98
80) Butylbenzylphthalate	13.457	149	82557	9.674	ng	100
81) Benzo(a)anthracene	14.033	228	168988	9.964	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	49053	9.634	ng	100
83) Chrysene	14.069	228	161811	10.435	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	106093	9.846	ng	100
85) Di-n-octyl phthalate	14.633	149	145085	9.852	ng	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	124455	9.843	ng	99
88) Benzo(b)fluoranthene	15.098	252	121884	10.001	ng	99
89) Benzo(k)fluoranthene	15.127	252	119878	11.241	ng	100
90) Benzo(a)pyrene	15.468	252	101824	10.276	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	100656	9.720	ng	99
92) Benzo(g,h,i)perylene	17.492	276	105771	10.010	ng	99

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

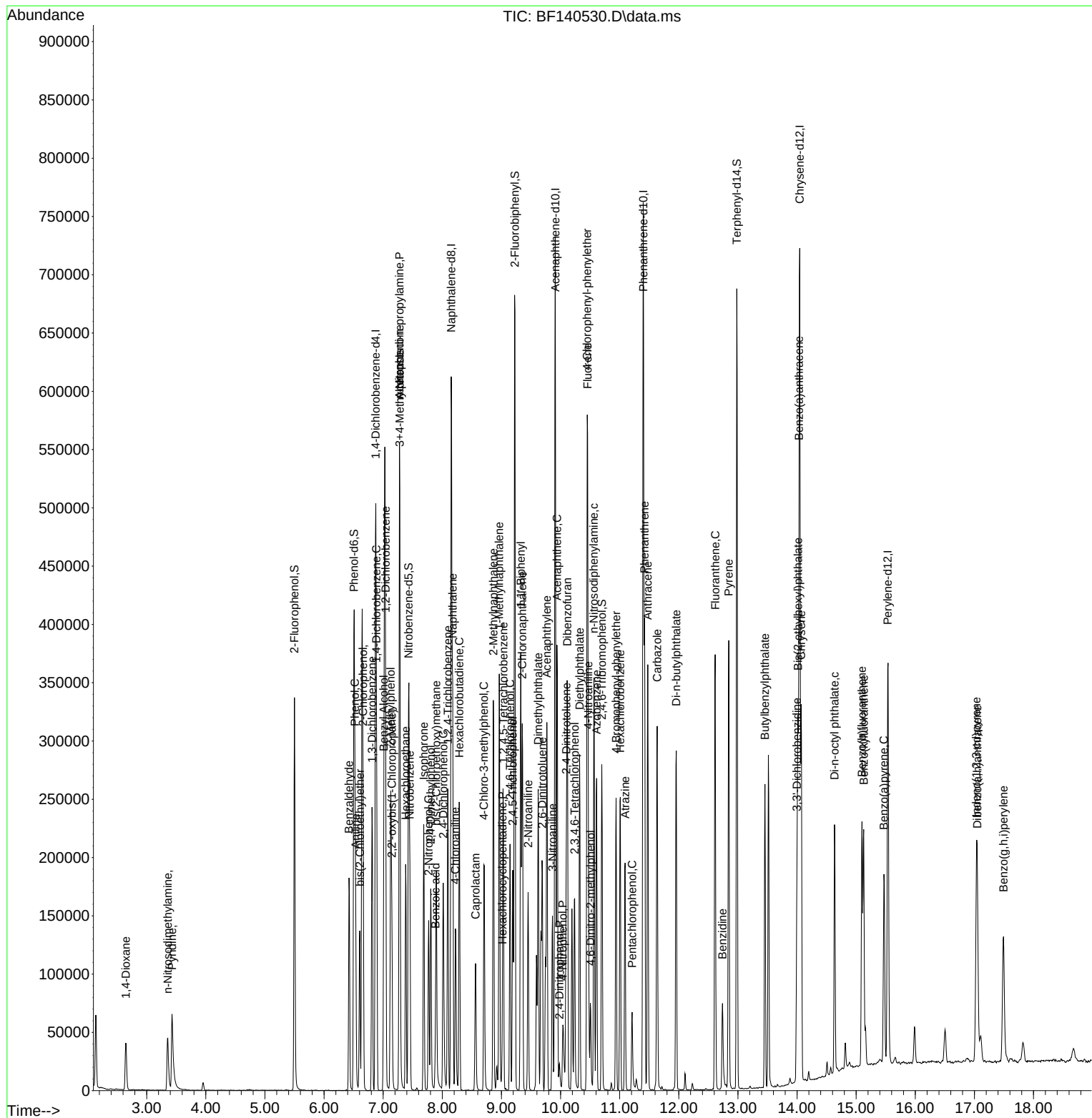
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140530.D
Acq On : 21 Nov 2024 12:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

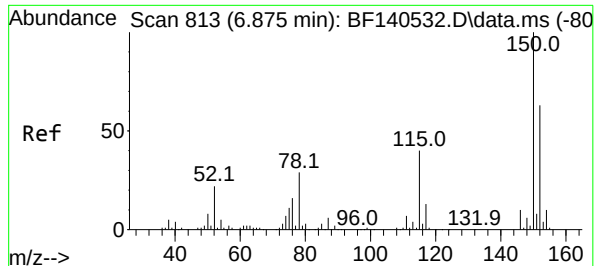
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

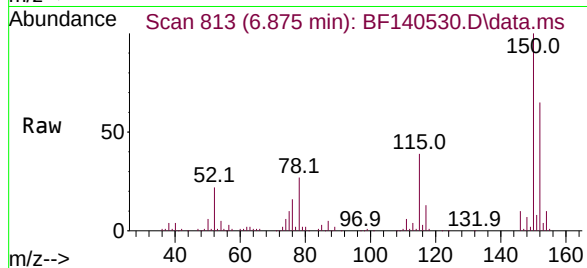
Quant Time: Nov 21 15:10:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

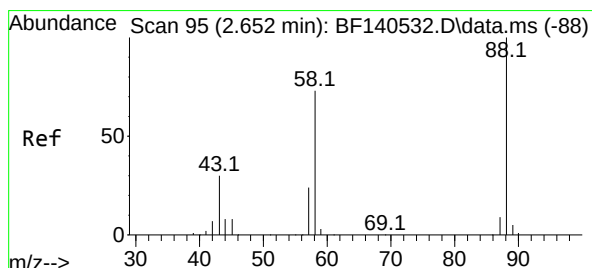
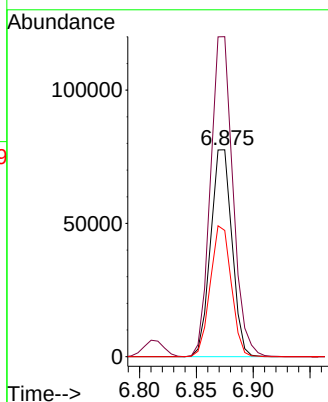
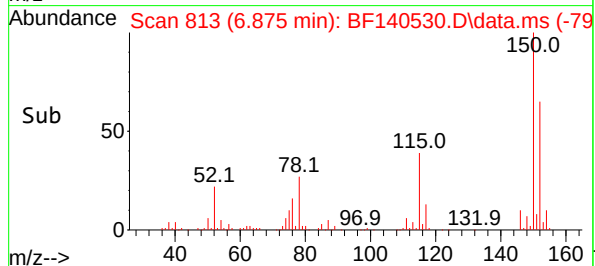
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 101758
Ion Ratio Lower Upper
152 100
150 154.6 128.5 192.7
115 61.0 50.2 75.4

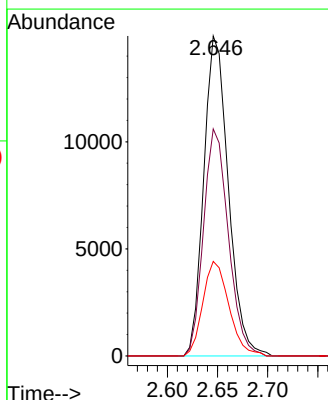
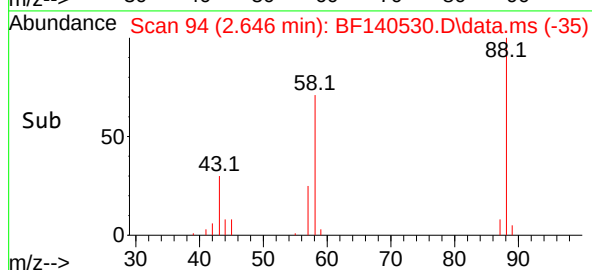
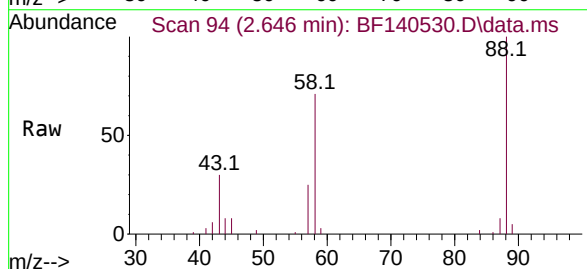
Manual Integrations
APPROVED

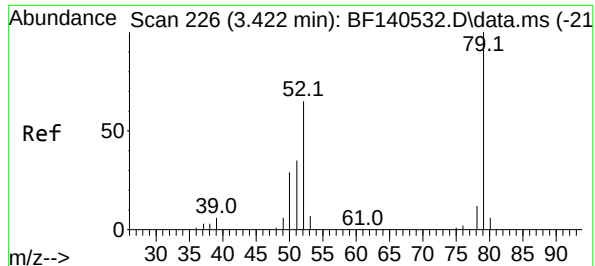
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 10.179 ng
RT: 2.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion: 88 Resp: 25524
Ion Ratio Lower Upper
88 100
58 71.6 57.4 86.2
43 31.4 24.3 36.5





#3

Pyridine

Concen: 9.398 ng

RT: 3.428 min Scan# 215

Delta R.T. 0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

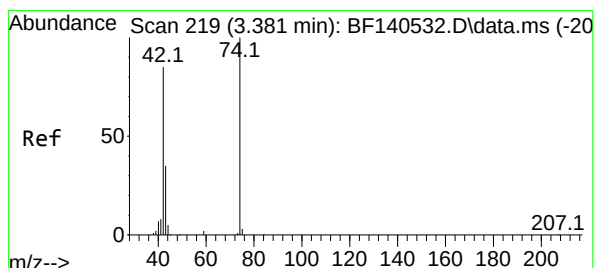
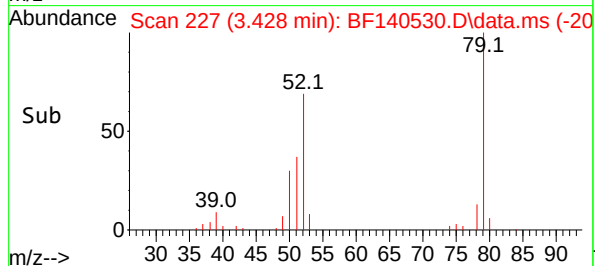
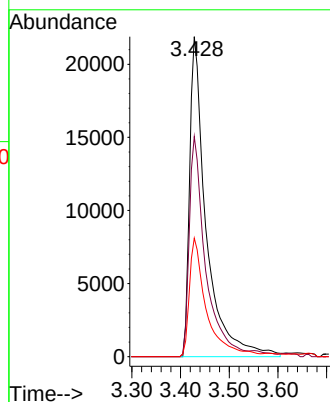
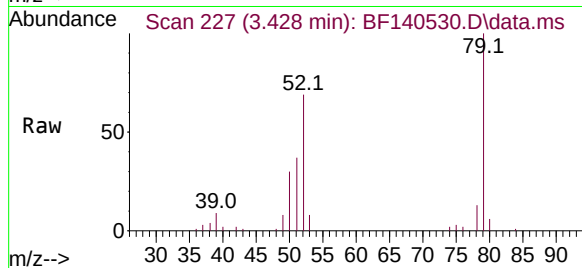
SSTDICC010

Tgt Ion:	79	Resp:	5185
Ion	Ratio	Lower	Upper
79	100		
52	68.8	52.1	78.1
51	37.1	27.8	41.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 9.589 ng

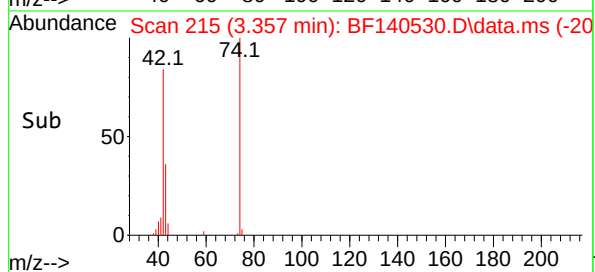
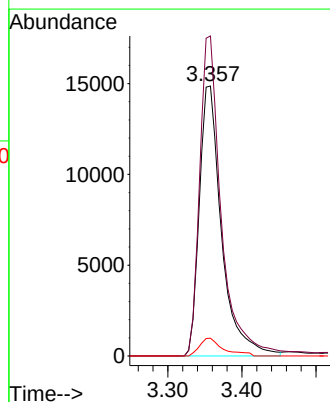
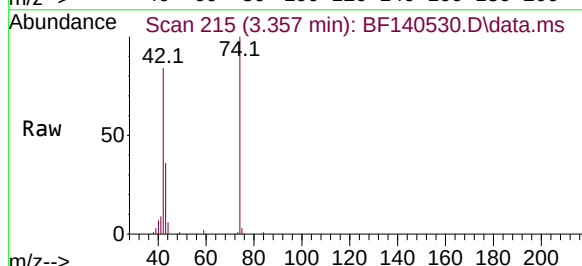
RT: 3.357 min Scan# 215

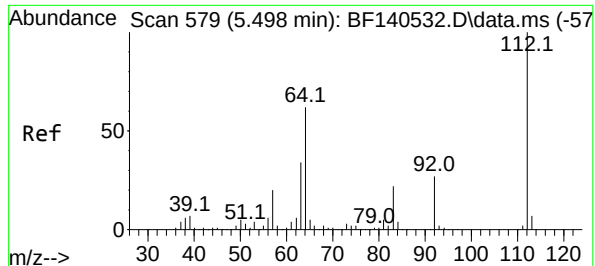
Delta R.T. -0.023 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:	42	Resp:	31093
Ion	Ratio	Lower	Upper
42	100		
74	118.6	93.8	140.6
44	6.6	4.6	6.8





#5

2-Fluorophenol

Concen: 21.035 ng

RT: 5.498 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:112 Resp: 125454

Ion Ratio Lower Upper

112 100

64 59.4 49.2 73.8

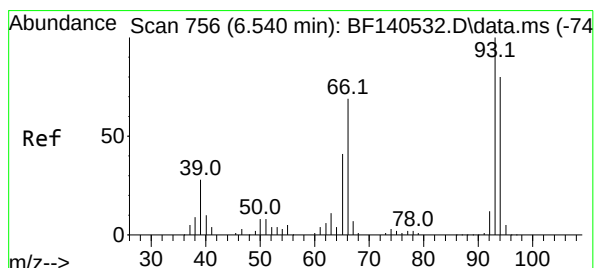
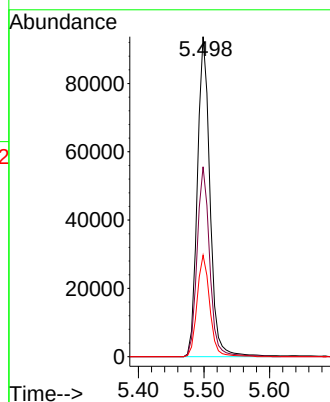
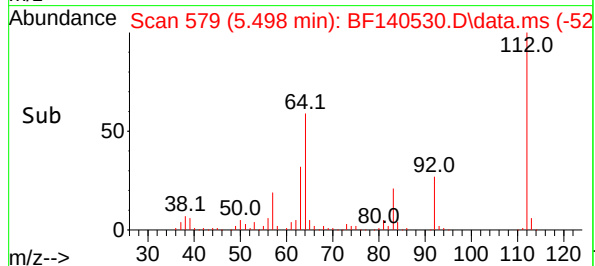
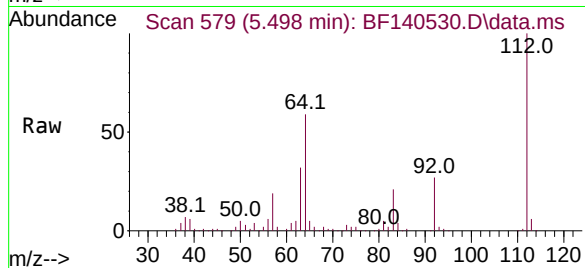
63 31.7 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#6

Aniline

Concen: 10.957 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

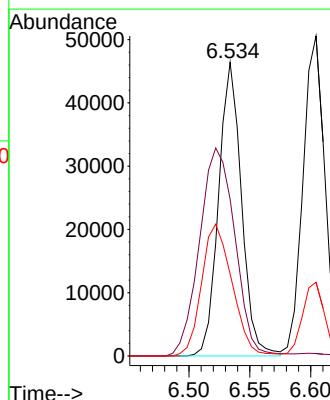
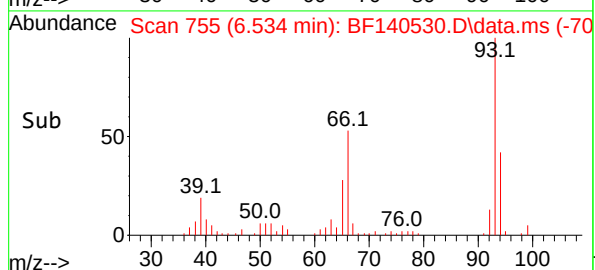
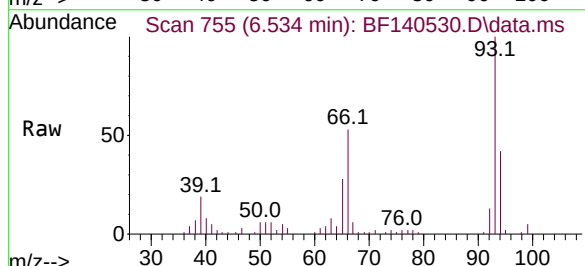
Tgt Ion: 93 Resp: 60808

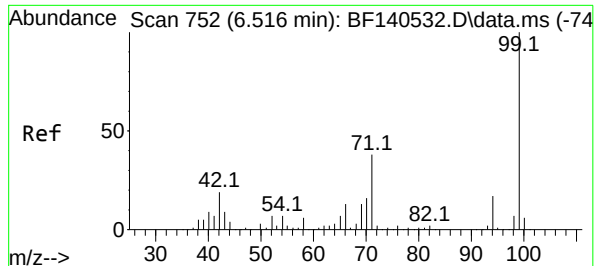
Ion Ratio Lower Upper

93 100

66 53.4 56.5 84.7#

65 28.0 32.9 49.3#





#7

Phenol-d6

Concen: 20.866 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 16451

Ion Ratio Lower Upper

99 100

42 19.0 15.4 23.0

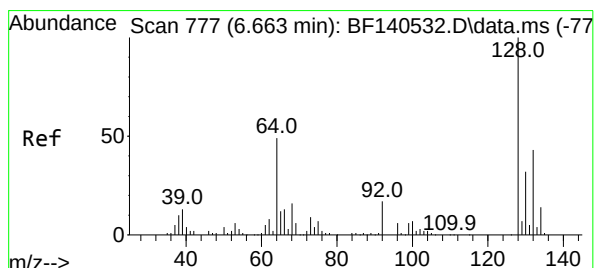
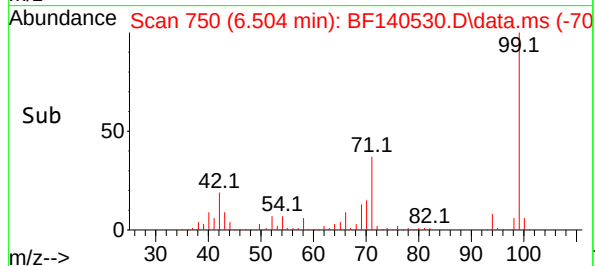
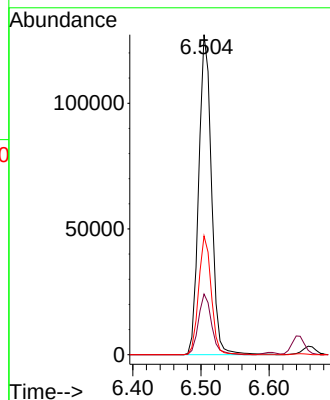
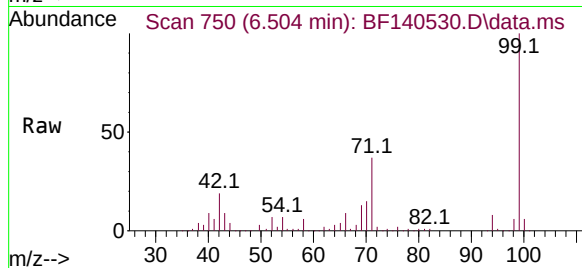
71 37.1 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#8

2-Chlorophenol

Concen: 10.531 ng

RT: 6.657 min Scan# 776

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

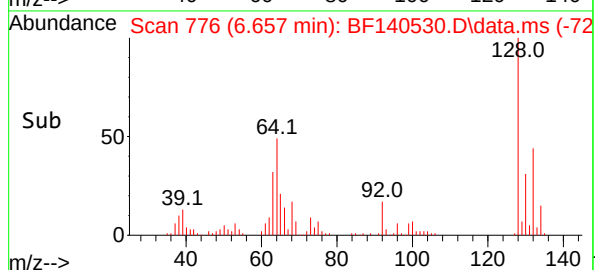
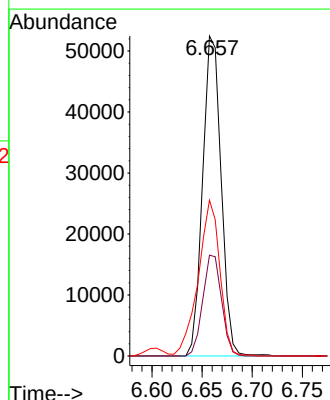
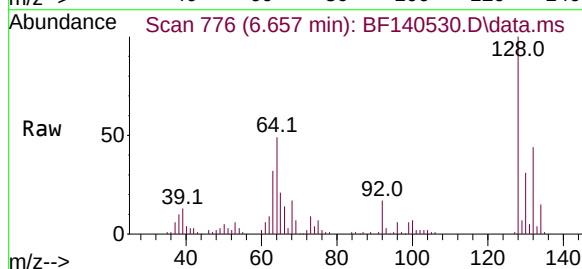
Tgt Ion:128 Resp: 67572

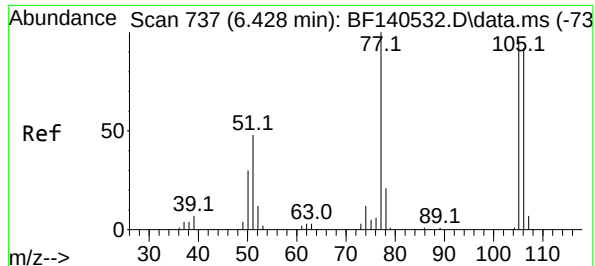
Ion Ratio Lower Upper

128 100

130 31.5 12.3 52.3

64 48.7 30.2 70.2





#9

Benzaldehyde

Concen: 12.273 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

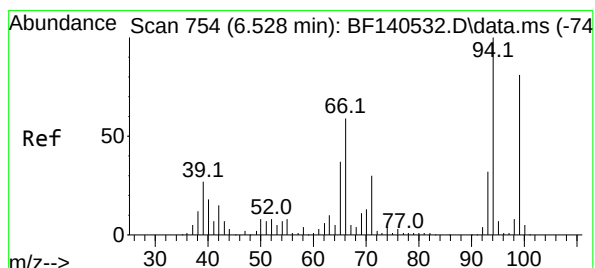
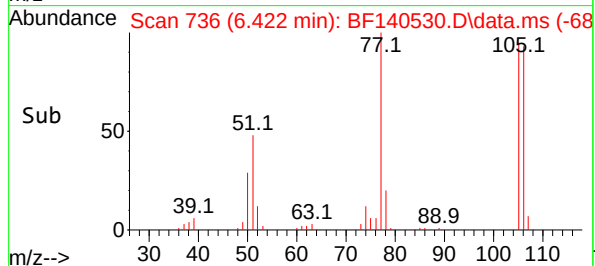
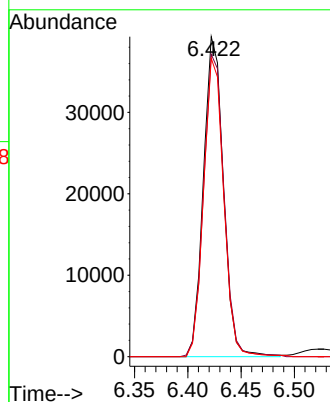
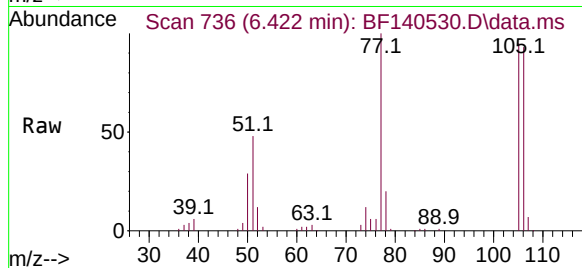
SSTDICC010

Tgt Ion:	77	Resp:	5122
Ion	Ratio	Lower	Upper
77	100		
105	94.5	75.6	115.6
106	93.3	72.0	112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 10.411 ng

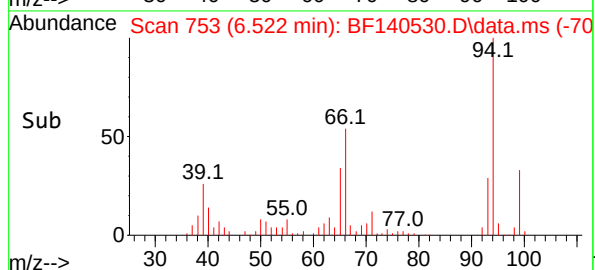
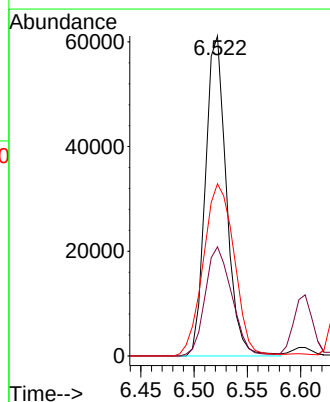
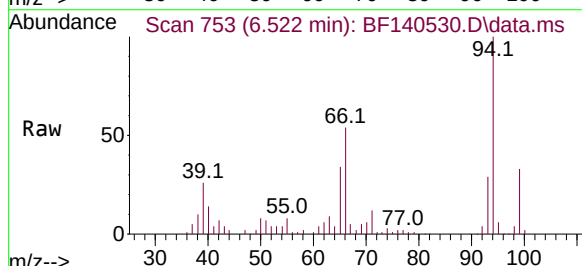
RT: 6.522 min Scan# 753

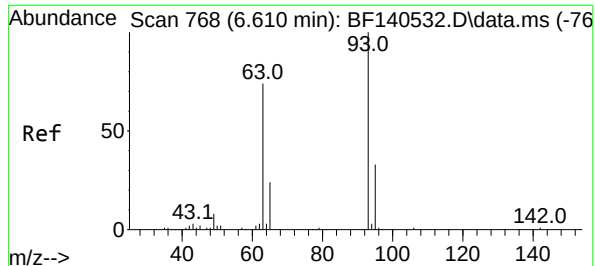
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:	94	Resp:	83830
Ion	Ratio	Lower	Upper
94	100		
65	34.1	17.2	57.2
66	53.8	39.2	79.2





#11

bis(2-Chloroethyl)ether

Concen: 10.255 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion: 93 Resp: 63180

Ion Ratio Lower Upper

93 100

63 72.2 52.8 92.8

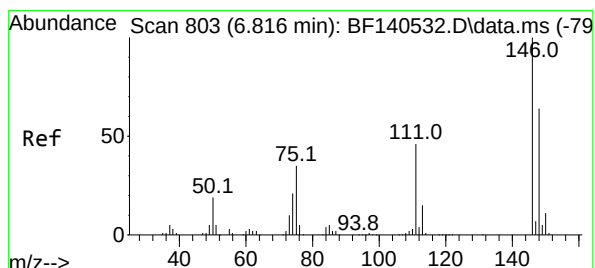
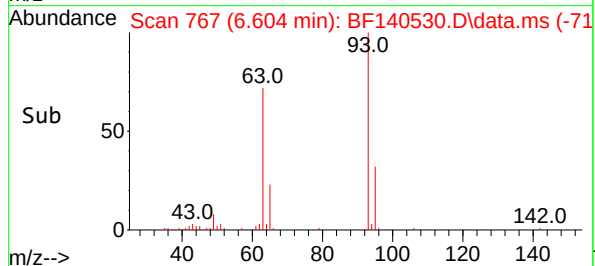
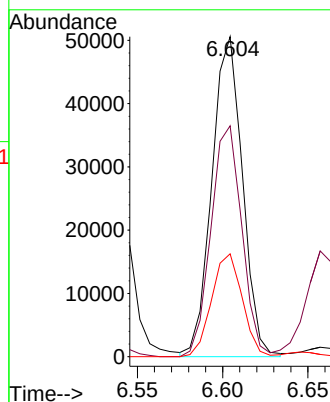
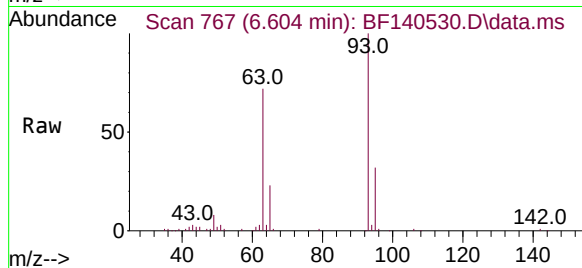
95 32.2 12.3 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#12

1,3-Dichlorobenzene

Concen: 10.533 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

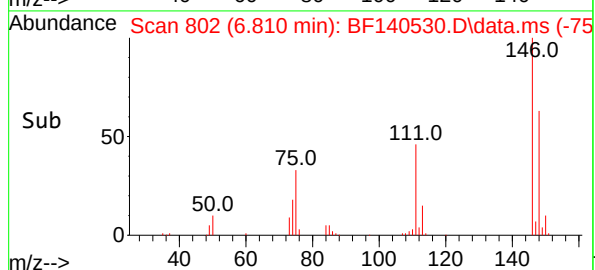
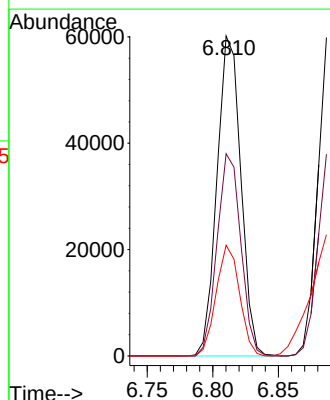
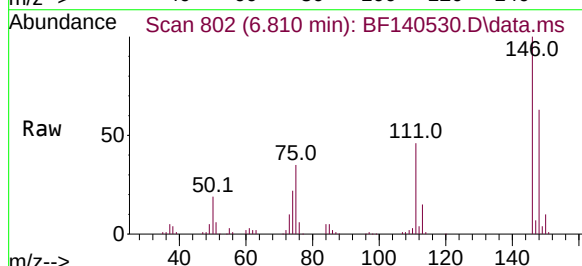
Tgt Ion:146 Resp: 75941

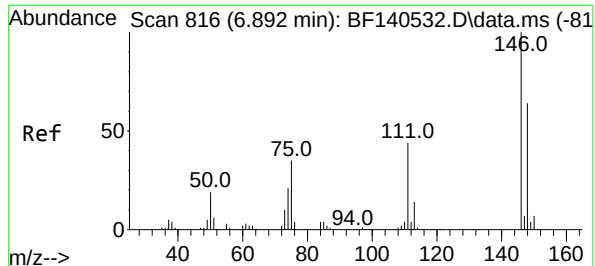
Ion Ratio Lower Upper

146 100

148 63.2 51.3 76.9

75 34.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 10.464 ng

RT: 6.887 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 76389

Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.6

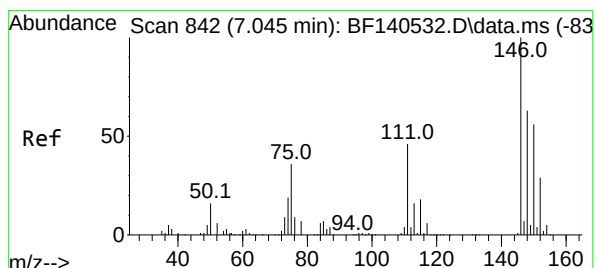
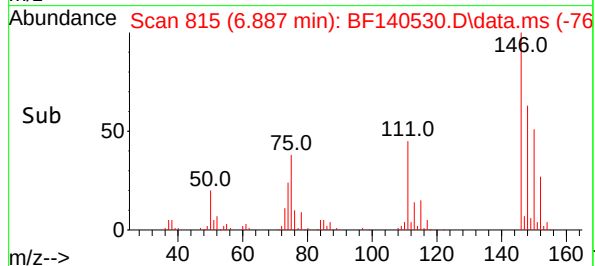
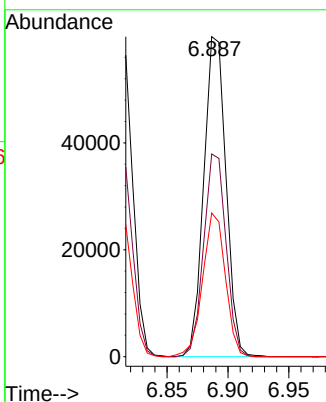
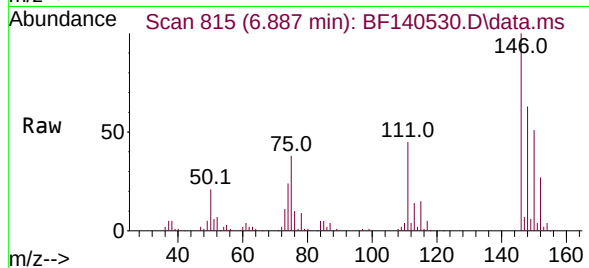
111 44.9 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#14

1,2-Dichlorobenzene

Concen: 10.666 ng

RT: 7.040 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

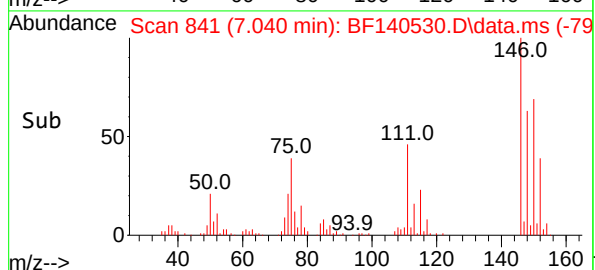
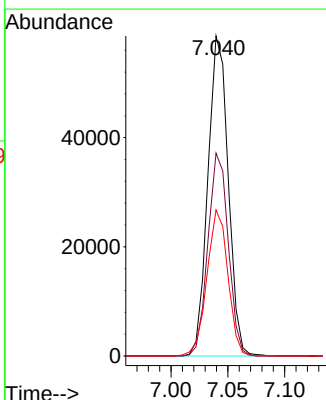
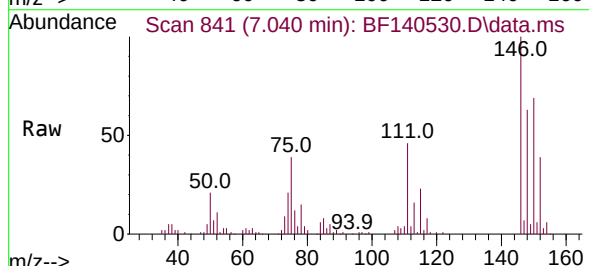
Tgt Ion:146 Resp: 72962

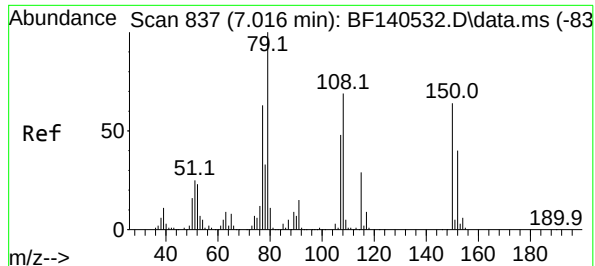
Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

111 45.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 10.218 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 5974

Ion Ratio Lower Upper

79 100

108 70.8 55.0 82.6

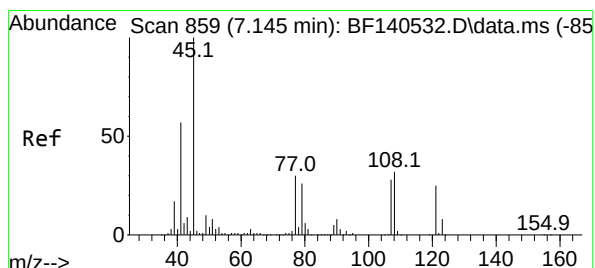
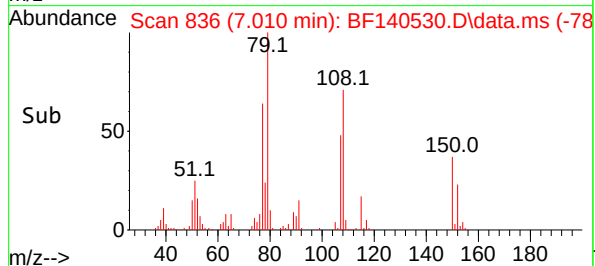
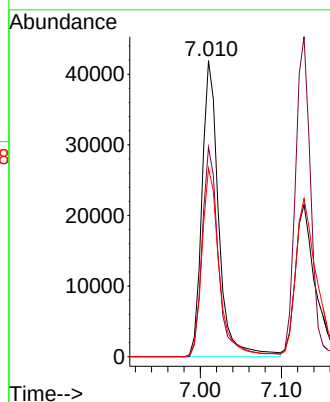
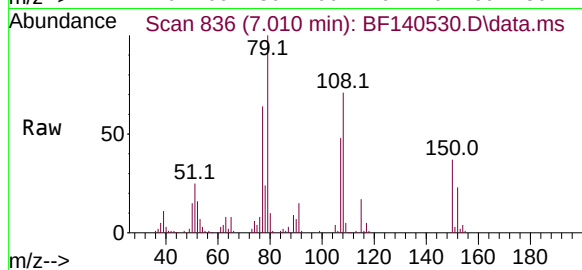
77 63.7 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.344 ng

RT: 7.145 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

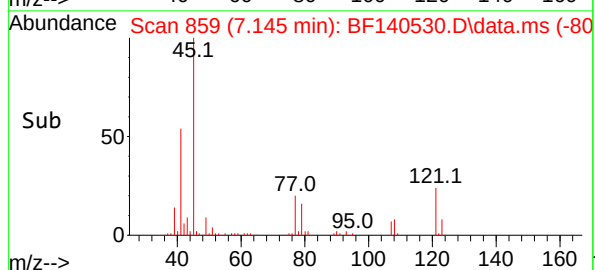
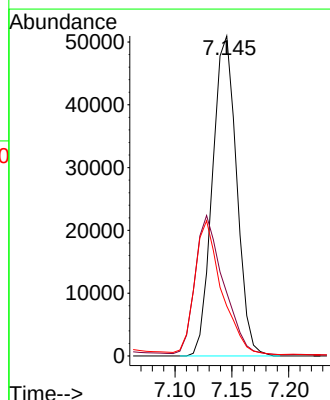
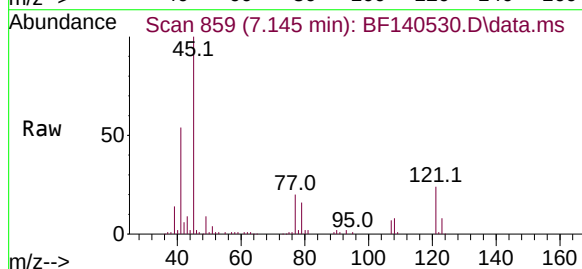
Tgt Ion: 45 Resp: 75295

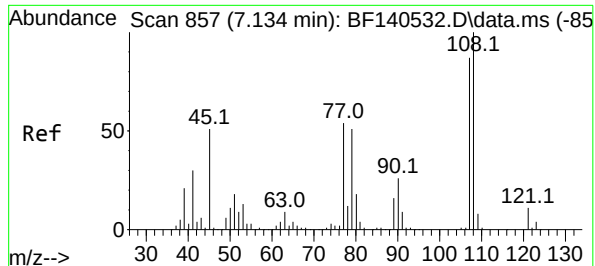
Ion Ratio Lower Upper

45 100

77 19.7 10.7 50.7

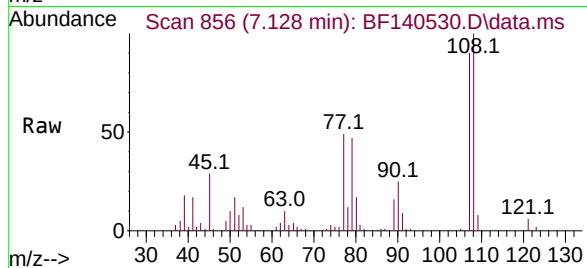
79 15.6 7.0 47.0





#17
2-Methylphenol
Concen: 10.241 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

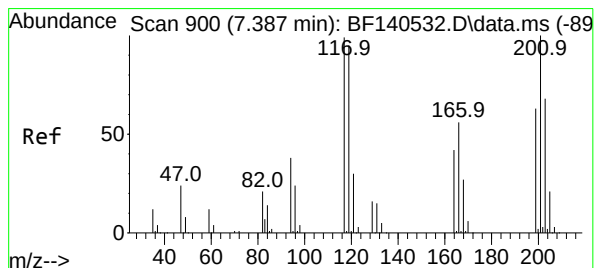
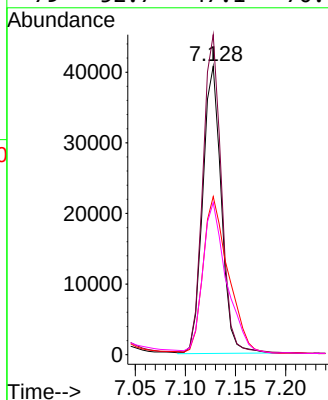
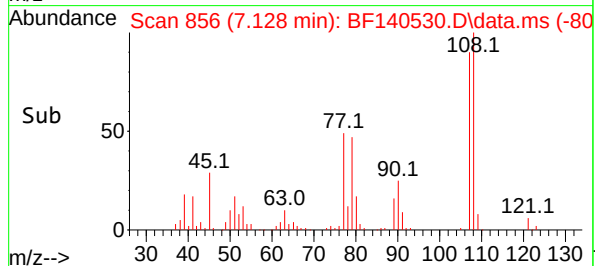
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



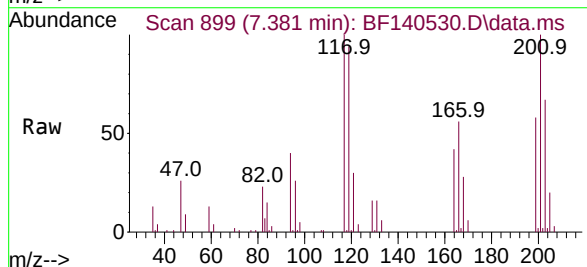
Tgt Ion:107 Resp: 52599
Ion Ratio Lower Upper
107 100
108 110.9 91.7 137.5
77 54.8 49.3 73.9
79 52.7 47.1 70.7

Manual Integrations
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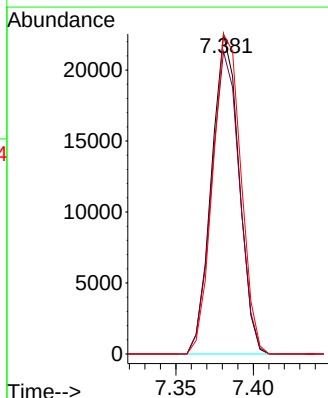
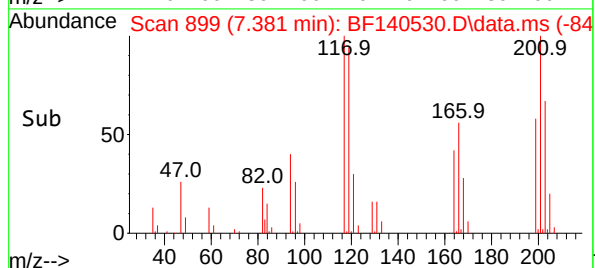
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

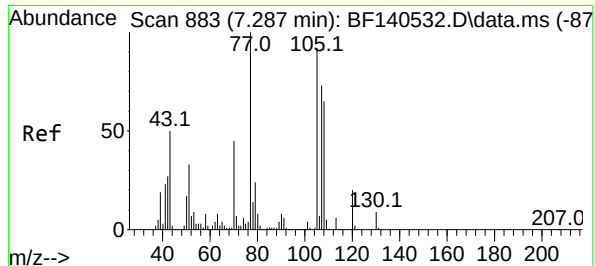


#18
Hexachloroethane
Concen: 10.165 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



Tgt Ion:117 Resp: 27715
Ion Ratio Lower Upper
117 100
119 94.5 77.1 115.7
201 99.9 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 10.367 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 48309

Ion Ratio Lower Upper

70 100

42 57.7 47.6 71.4

101 9.7 7.6 11.4

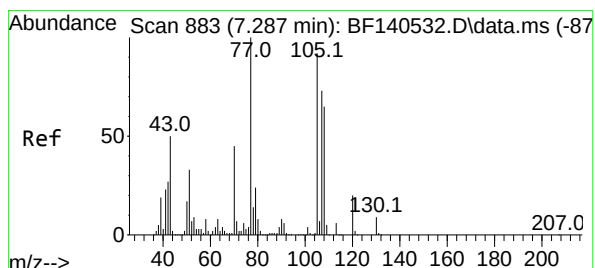
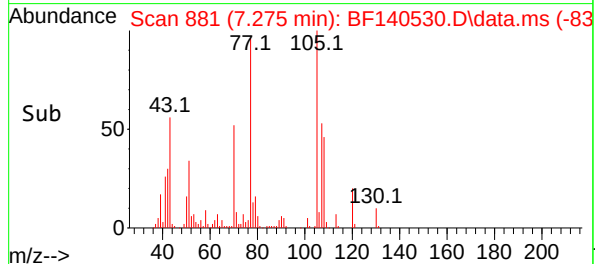
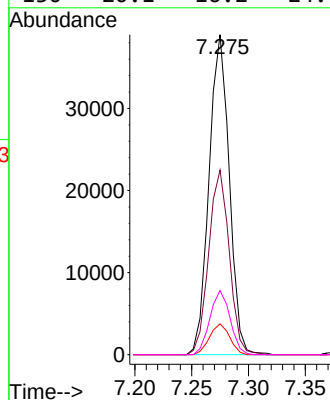
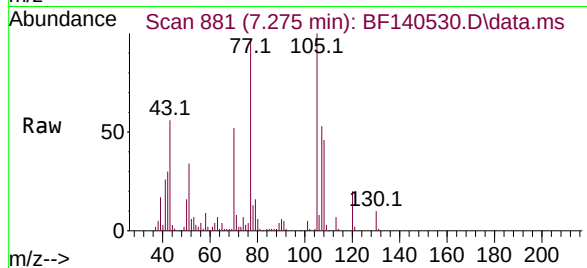
130 20.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 10.496 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:107 Resp: 69290

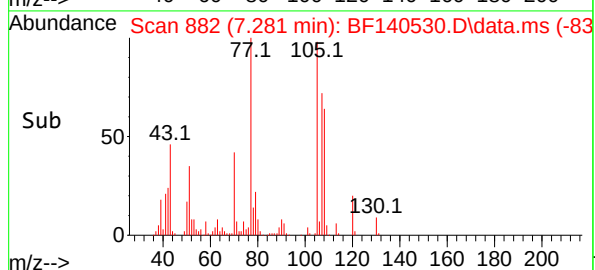
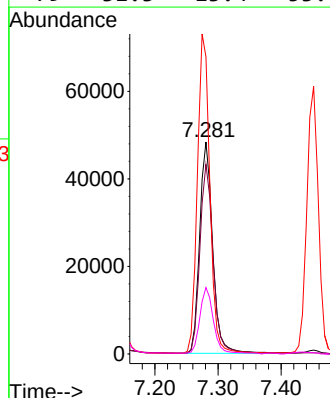
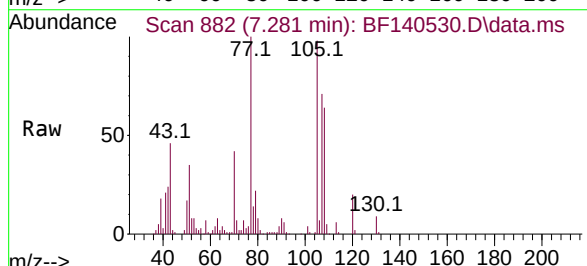
Ion Ratio Lower Upper

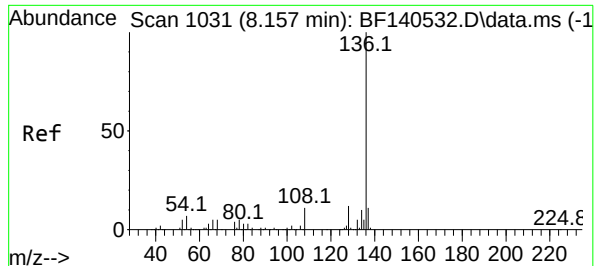
107 100

108 89.4 69.9 109.9

77 140.1 117.7 157.7

79 31.3 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 377828

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.4 5.8 8.8

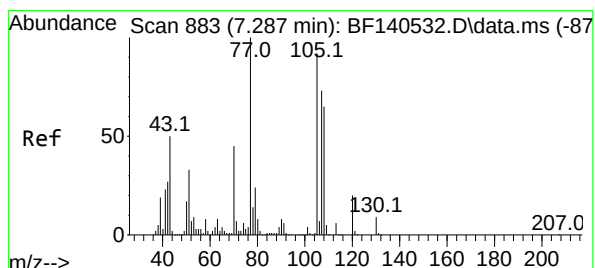
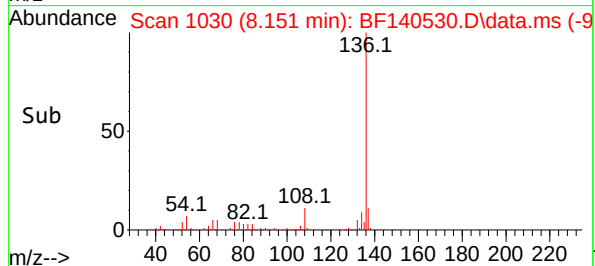
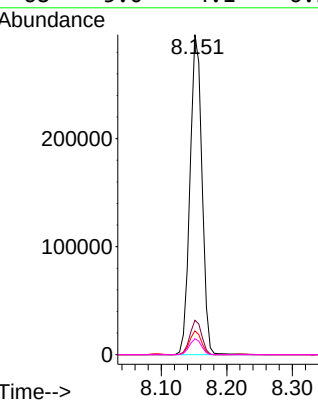
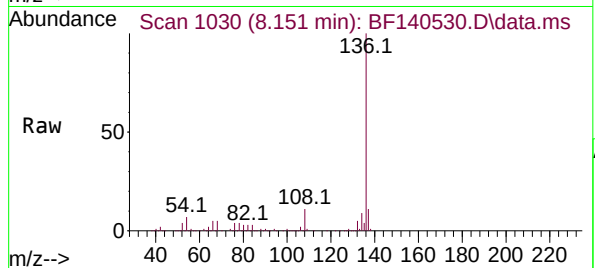
68 5.0 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#22

Acetophenone

Concen: 10.489 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:105 Resp: 96618

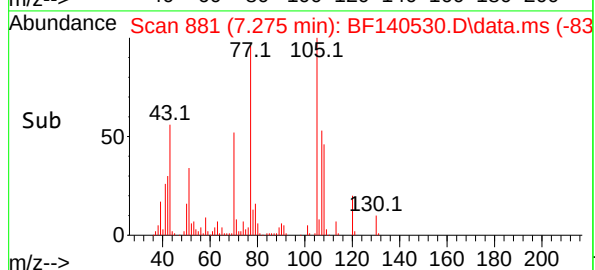
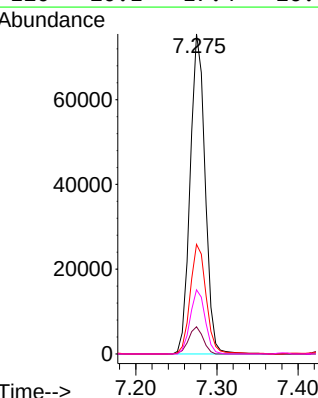
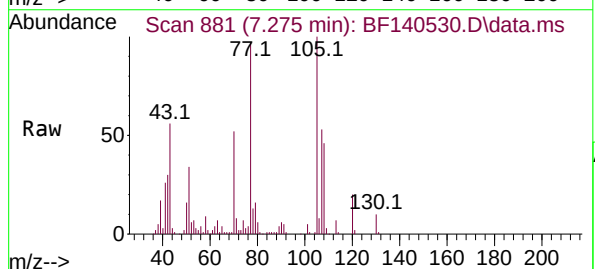
Ion Ratio Lower Upper

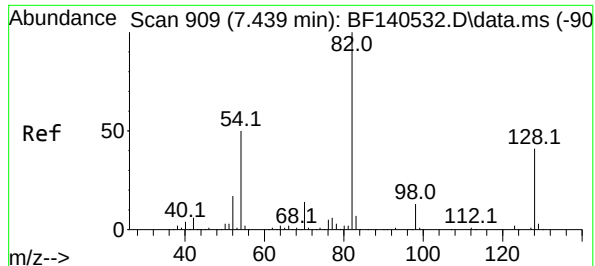
105 100

71 8.5 6.2 9.2

51 34.3 29.0 43.6

120 20.1 17.4 26.0





#23

Nitrobenzene-d5

Concen: 20.633 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 152410

Ion Ratio Lower Upper

82 100

128 39.7 33.0 49.4

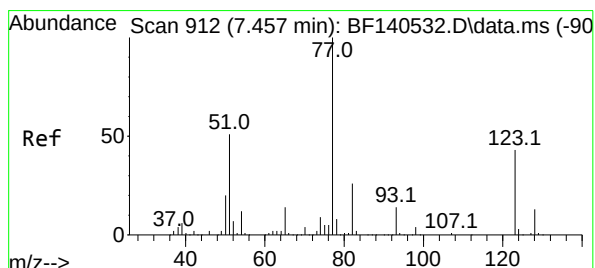
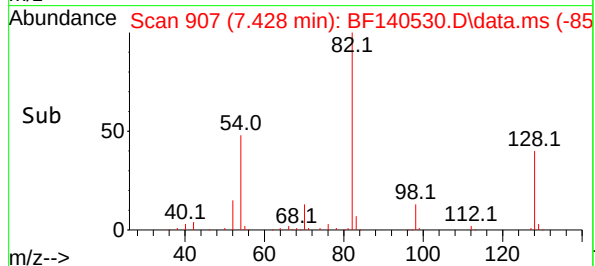
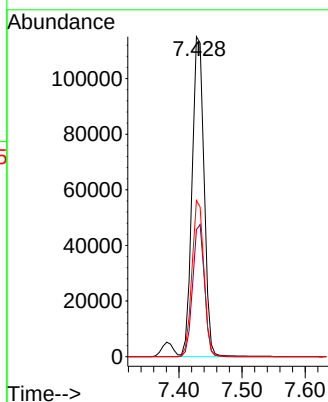
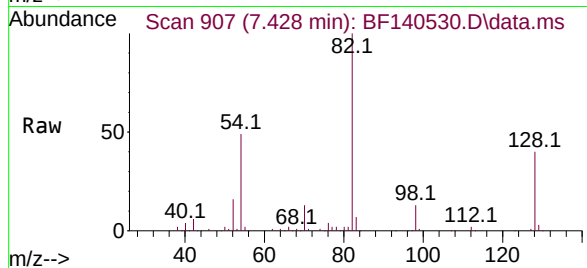
54 48.8 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 10.120 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

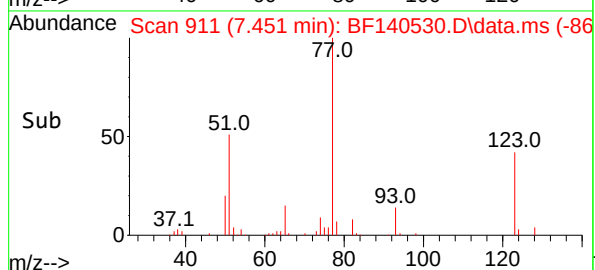
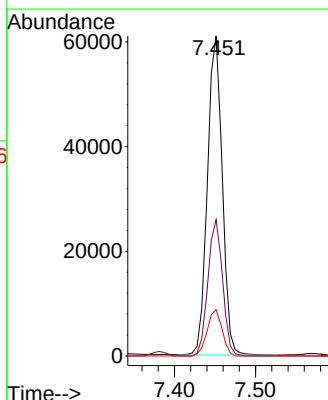
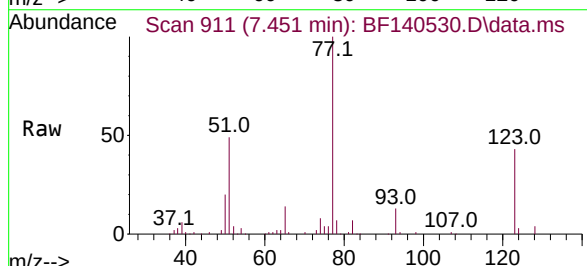
Tgt Ion: 77 Resp: 77259

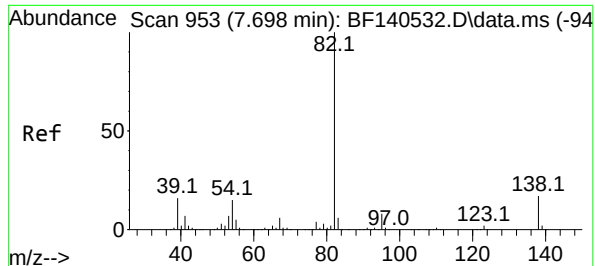
Ion Ratio Lower Upper

77 100

123 42.6 34.3 51.5

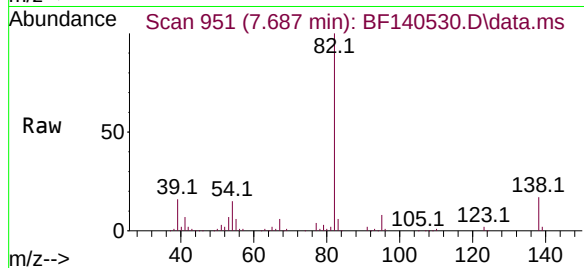
65 14.4 11.2 16.8





#25
Isophorone
Concen: 10.026 ng
RT: 7.687 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

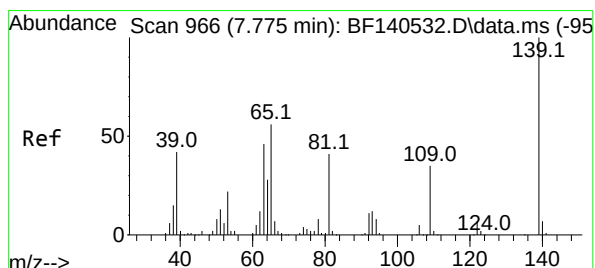
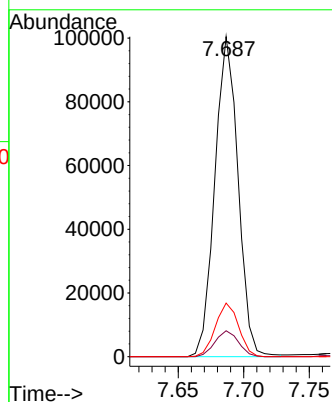
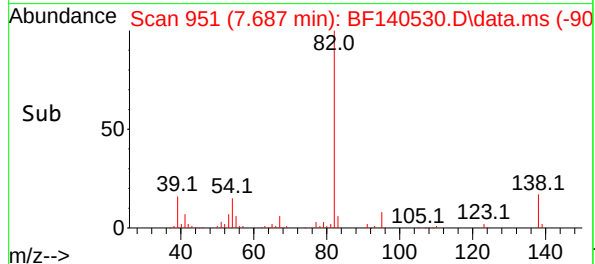
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 123528
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 16.7 13.8 20.6

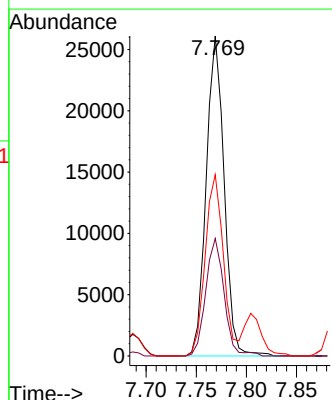
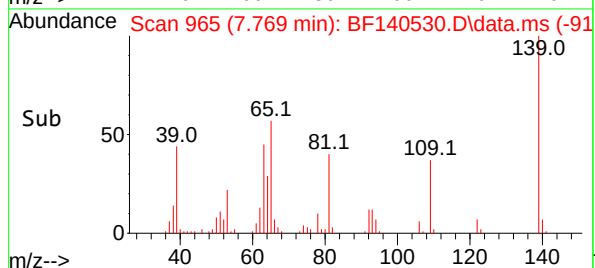
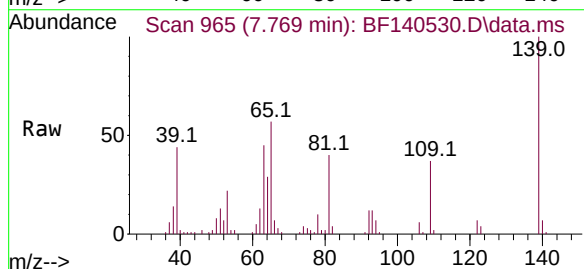
Manual Integrations
APPROVED

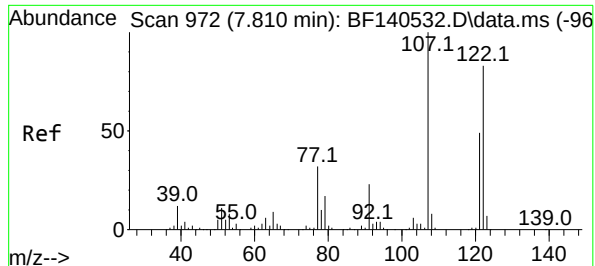
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#26
2-Nitrophenol
Concen: 9.625 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:139 Resp: 32564
Ion Ratio Lower Upper
139 100
109 36.7 28.0 42.0
65 56.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 9.986 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

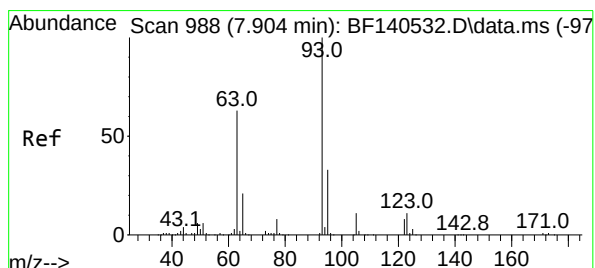
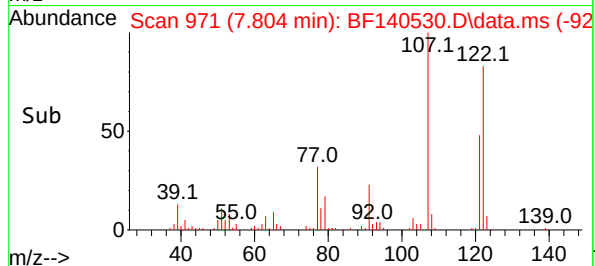
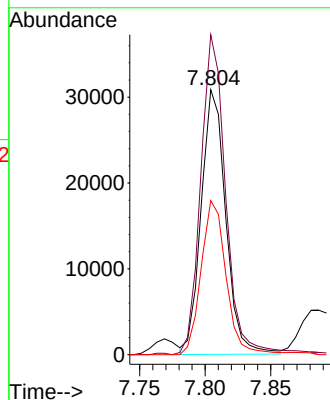
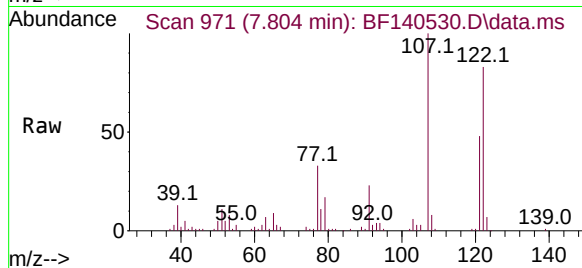
SSTDICC010

Tgt Ion:	122	Resp:	4042
Ion Ratio	Lower	Upper	
122	100		
107	120.8	96.8	145.2
121	58.2	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.274 ng

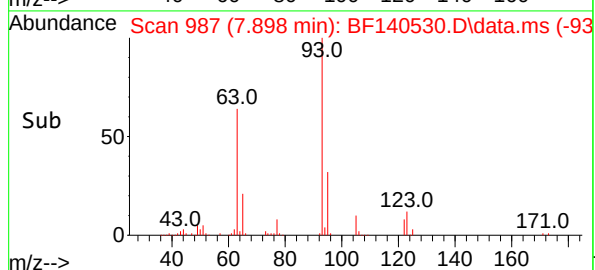
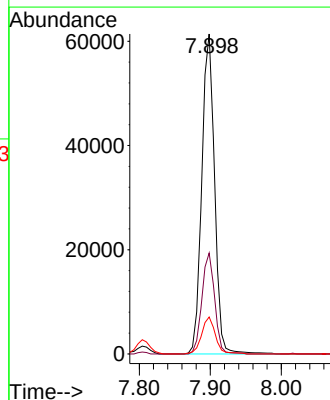
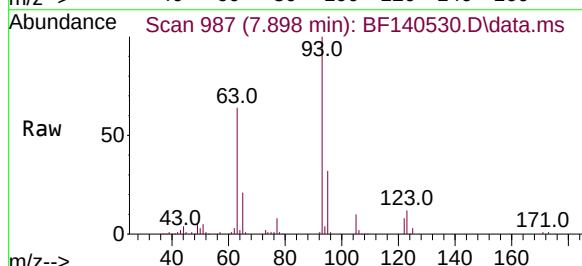
RT: 7.898 min Scan# 987

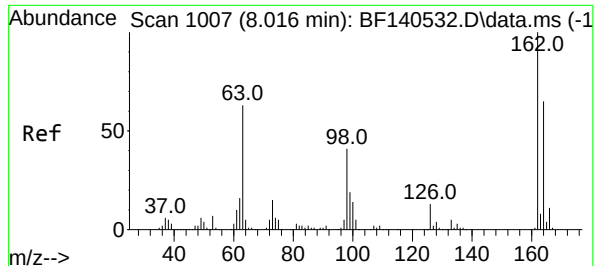
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:	93	Resp:	77116
Ion Ratio	Lower	Upper	
93	100		
95	31.6	26.1	39.1
123	11.6	9.1	13.7





#29

2,4-Dichlorophenol

Concen: 10.261 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

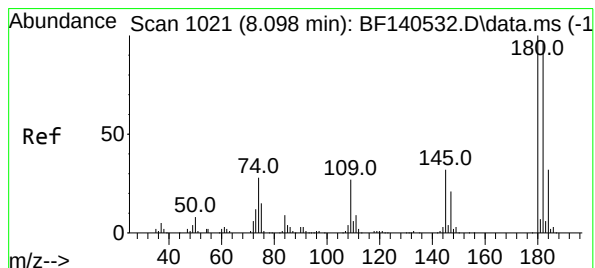
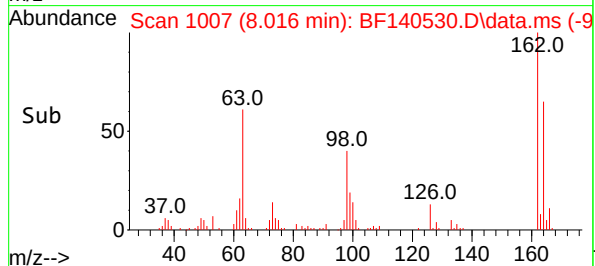
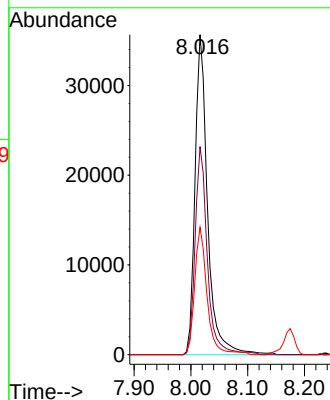
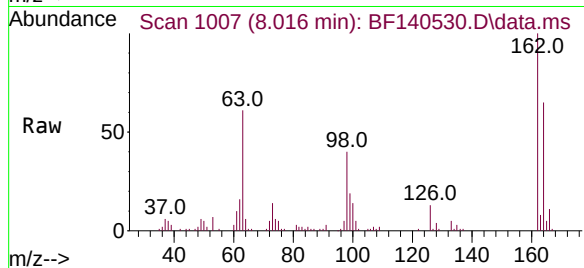
SSTDICC010

Tgt Ion:	162	Resp:	5503
Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.8	84.8
98	39.8	21.2	61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 10.413 ng

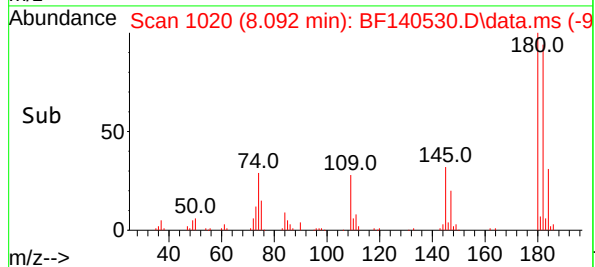
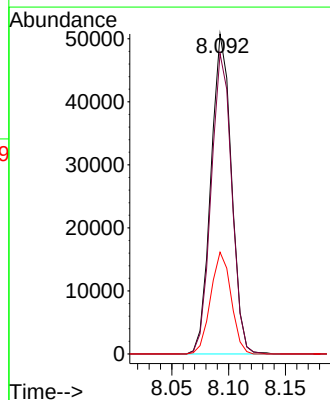
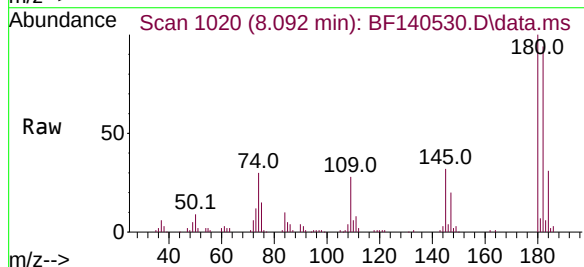
RT: 8.092 min Scan# 1020

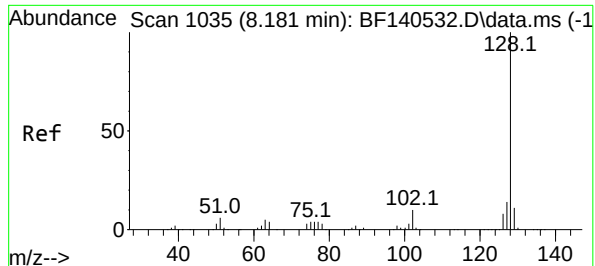
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:	180	Resp:	63769
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.4	114.6
145	31.8	25.9	38.9





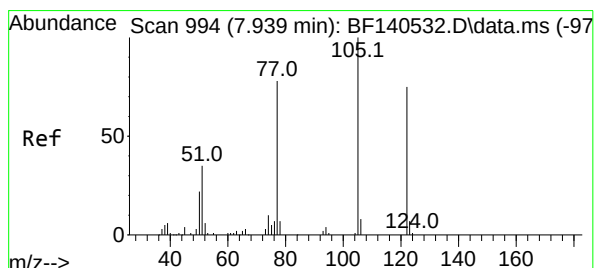
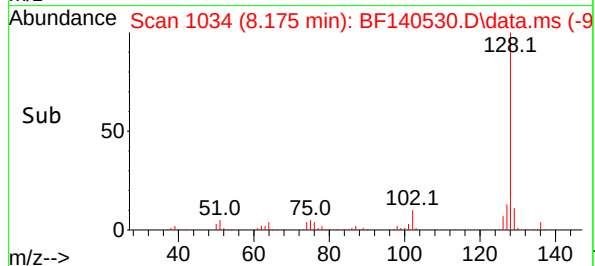
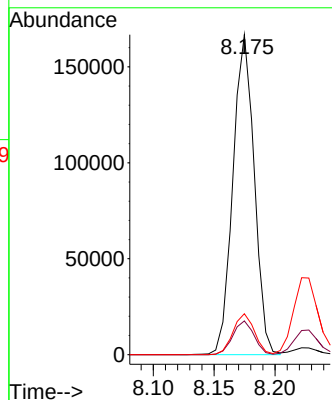
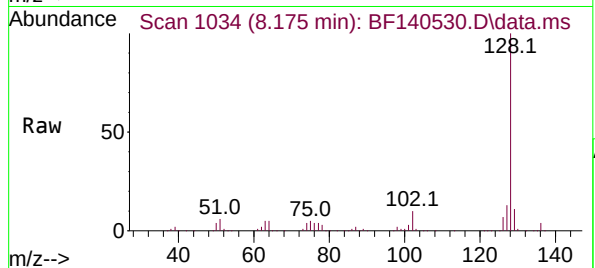
#31
Naphthalene
Concen: 10.434 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 203054
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.8 10.8 16.2

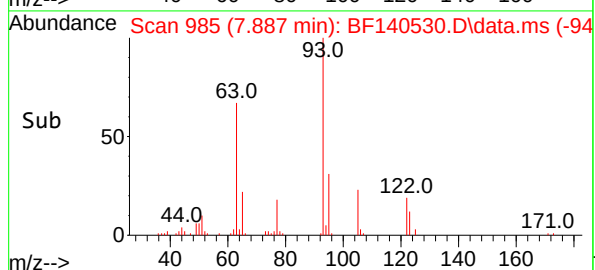
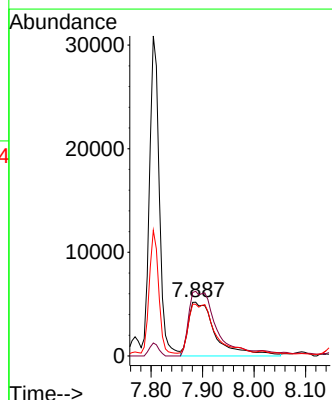
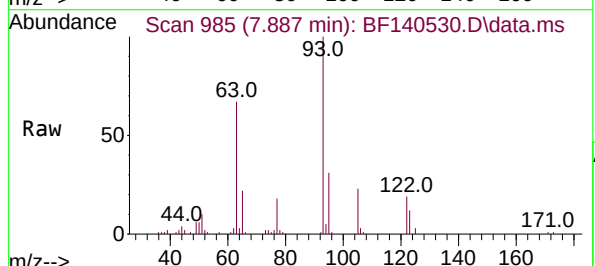
Manual Integrations
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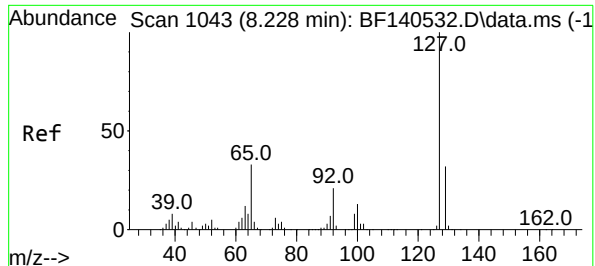
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#32
Benzoic acid
Concen: 11.820 ng m
RT: 7.887 min Scan# 985
Delta R.T. -0.052 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:122 Resp: 19174
Ion Ratio Lower Upper
122 100
105 120.1 109.3 149.3
77 96.0 82.3 122.3





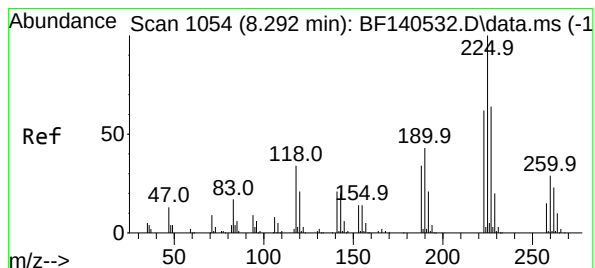
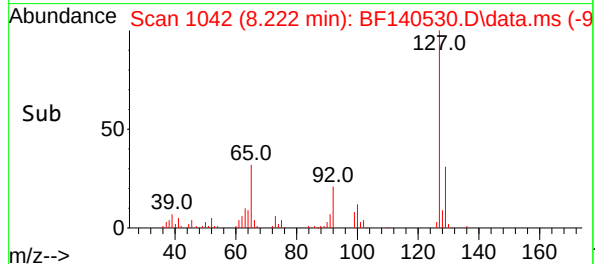
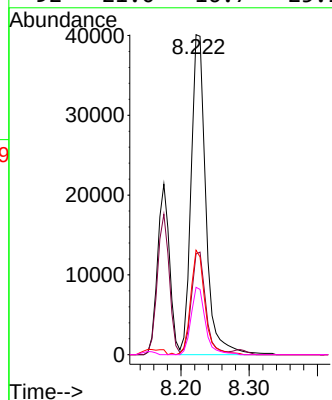
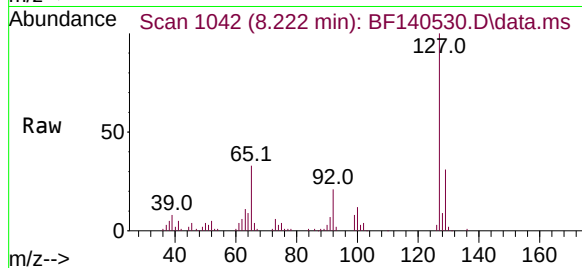
#33
4-Chloroaniline
Concen: 10.315 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	32.6	26.0	39.0
92	21.0	16.7	25.1

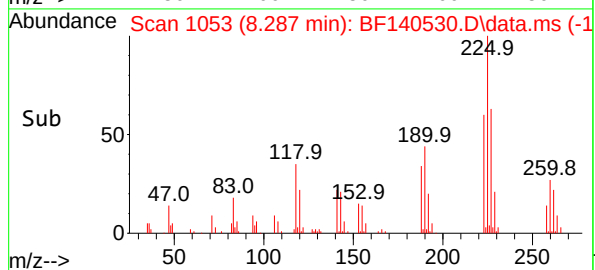
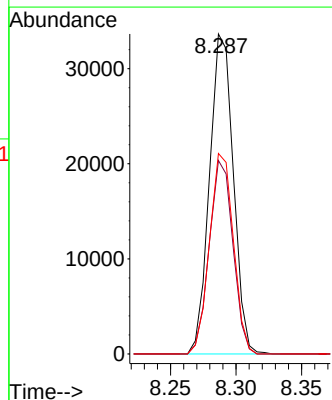
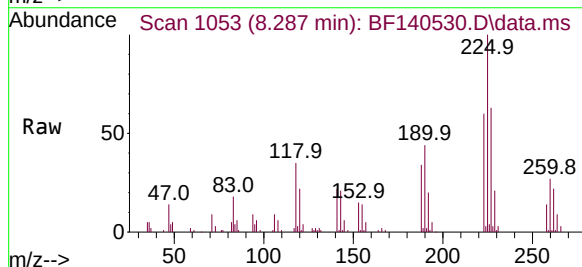
Manual Integrations
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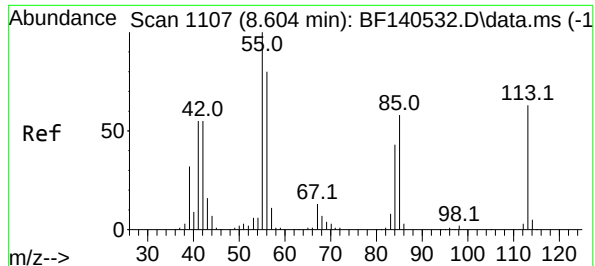
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#34
Hexachlorobutadiene
Concen: 10.472 ng
RT: 8.287 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	49.8	74.8
227	62.7	51.3	76.9





#35

Caprolactam

Concen: 10.317 ng

RT: 8.563 min Scan# 1107

Delta R.T. -0.041 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:113 Resp: 17120

Ion Ratio Lower Upper

113 100

55 151.0 137.7 177.7

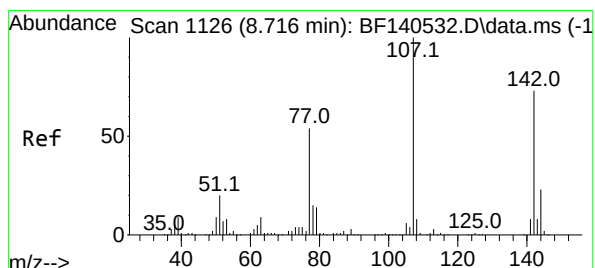
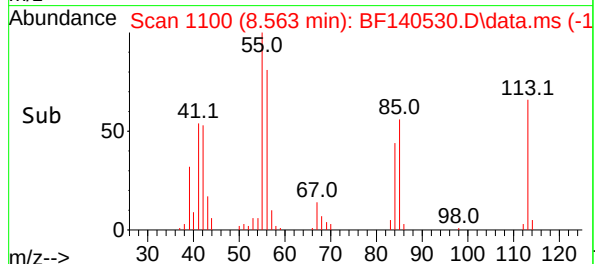
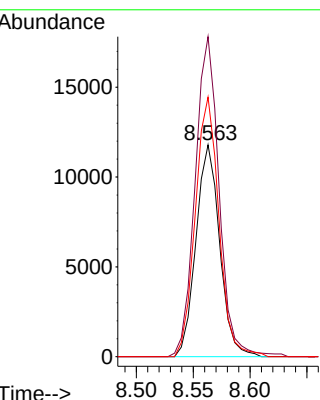
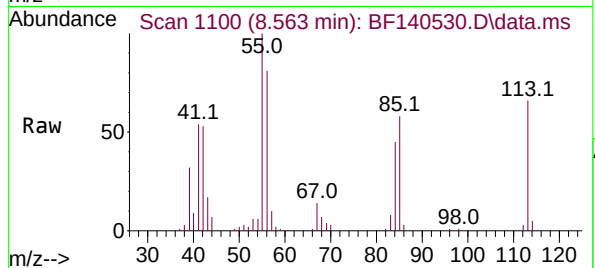
56 122.5 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#36

4-Chloro-3-methylphenol

Concen: 10.008 ng

RT: 8.704 min Scan# 1124

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

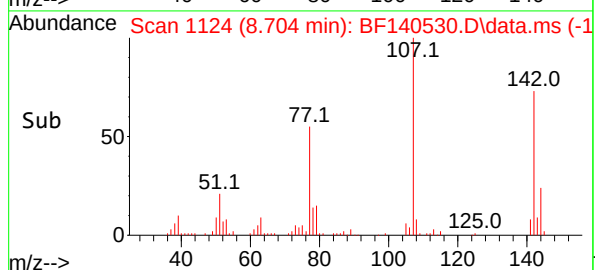
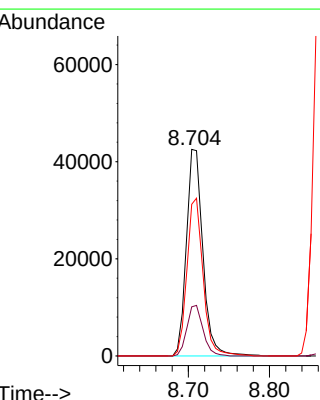
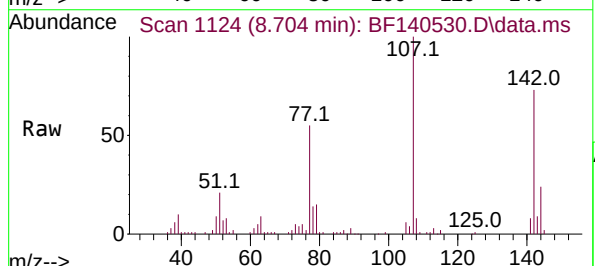
Tgt Ion:107 Resp: 60104

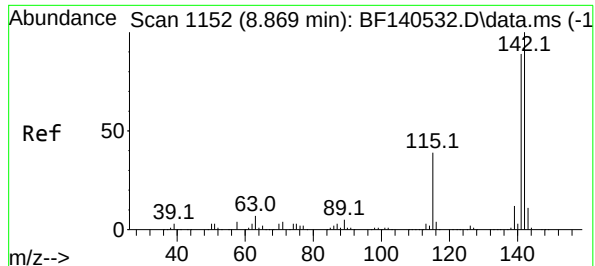
Ion Ratio Lower Upper

107 100

144 23.8 18.7 28.1

142 73.4 58.3 87.5





#37

2-Methylnaphthalene

Concen: 10.387 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 12839

Ion Ratio Lower Upper

142 100

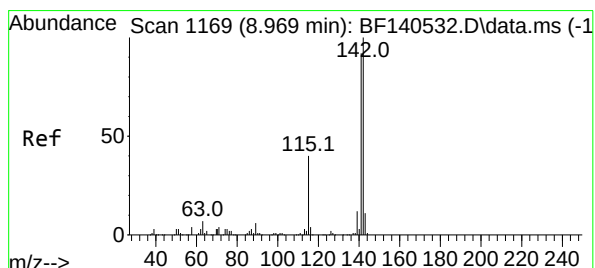
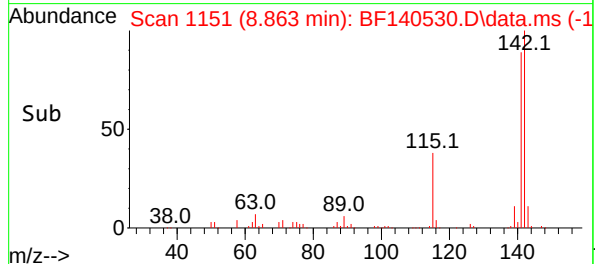
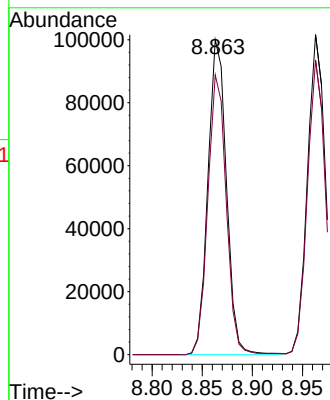
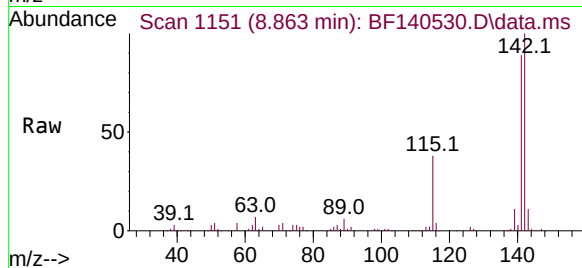
141 88.8 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#38

1-Methylnaphthalene

Concen: 10.372 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140530.D

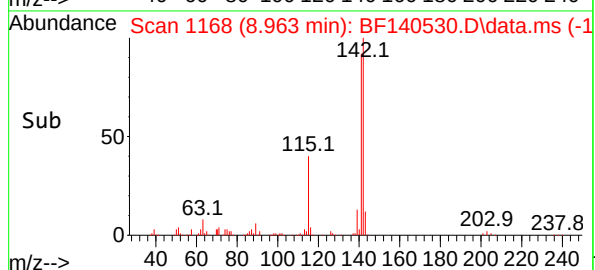
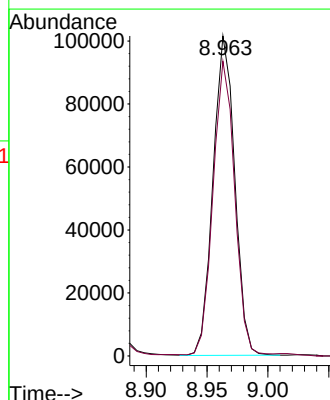
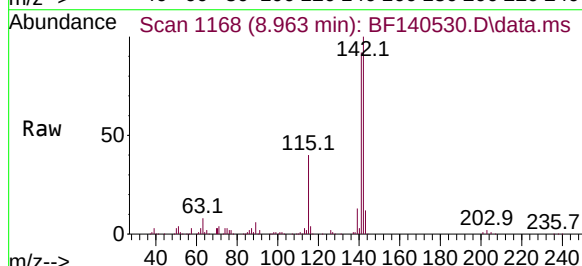
Acq: 21 Nov 2024 12:05

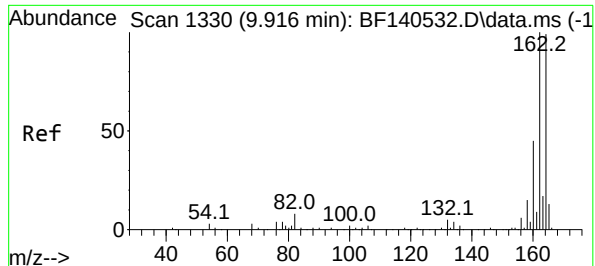
Tgt Ion:142 Resp: 125672

Ion Ratio Lower Upper

142 100

141 92.1 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140530.D

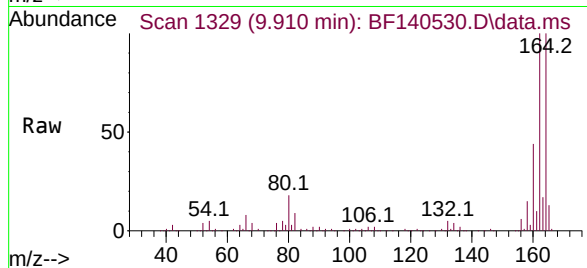
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 213774

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

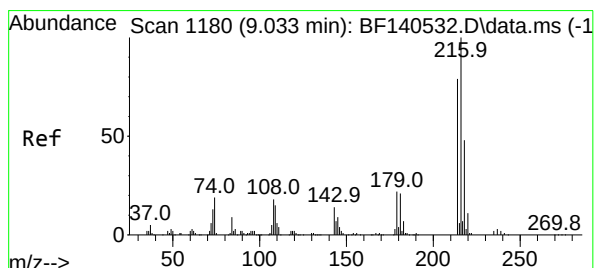
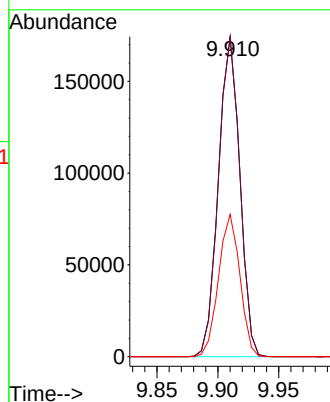
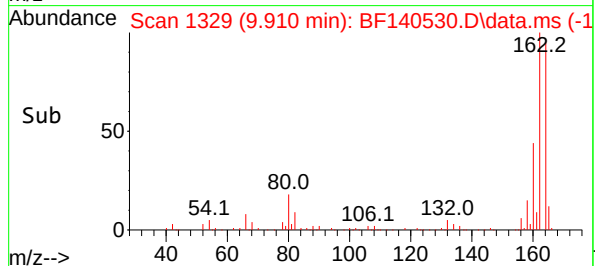
160 44.6 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.308 ng

RT: 9.034 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:216 Resp: 64508

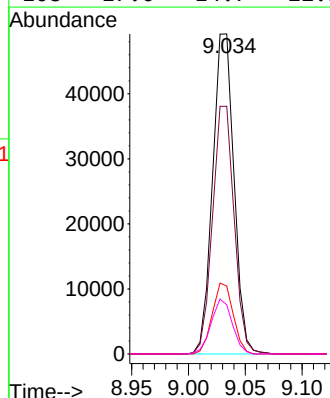
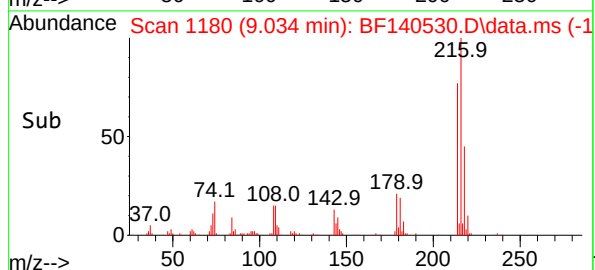
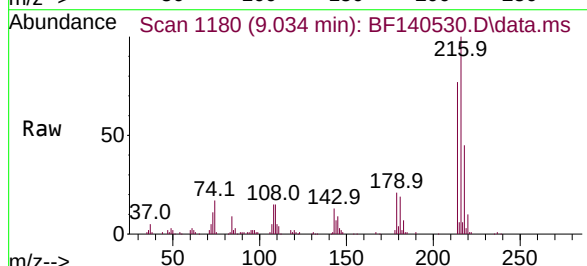
Ion Ratio Lower Upper

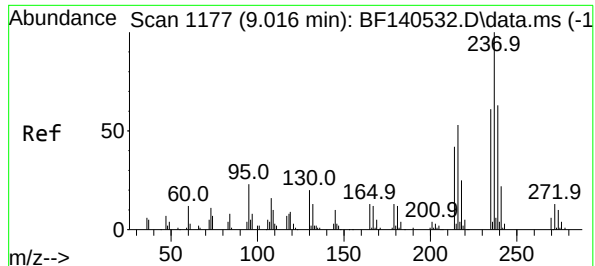
216 100

214 78.0 63.0 94.4

179 21.7 17.5 26.3

108 17.0 14.7 22.1





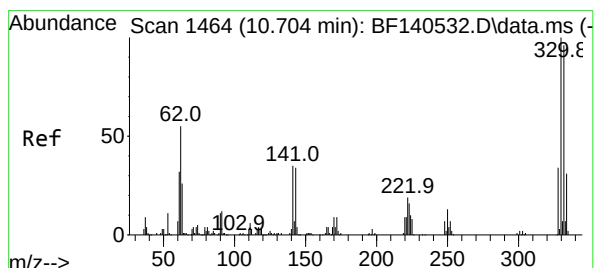
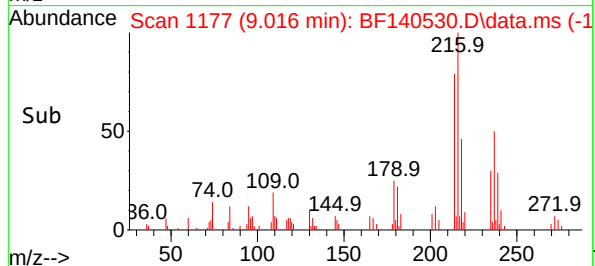
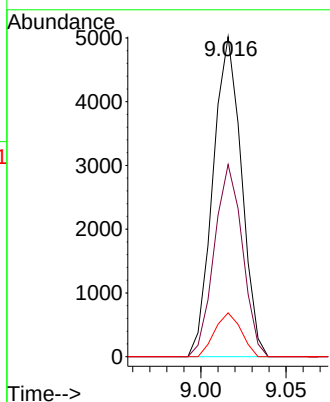
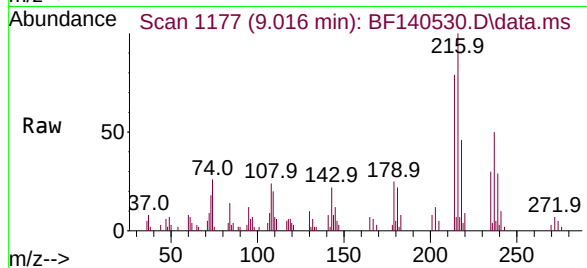
#41
Hexachlorocyclopentadiene
Concen: 11.063 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 5830
Ion Ratio Lower Upper
237 100
235 60.1 41.1 81.1
272 13.7 0.0 32.6

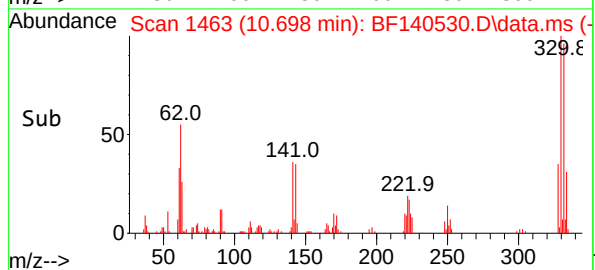
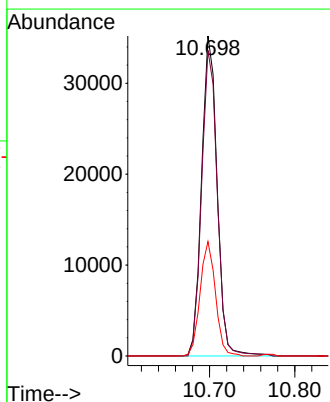
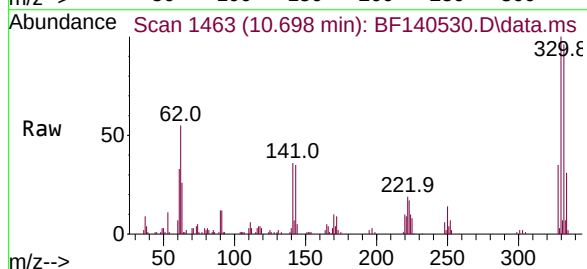
Manual Integrations
APPROVED

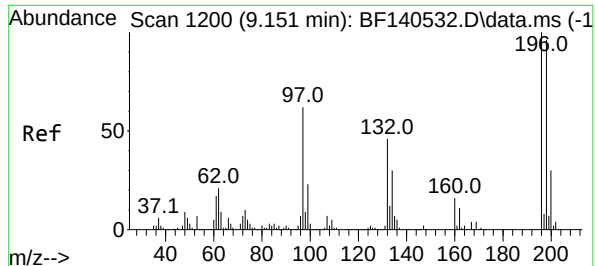
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#42
2,4,6-Tribromophenol
Concen: 19.519 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:330 Resp: 44626
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 35.3 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 9.748 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140530.D

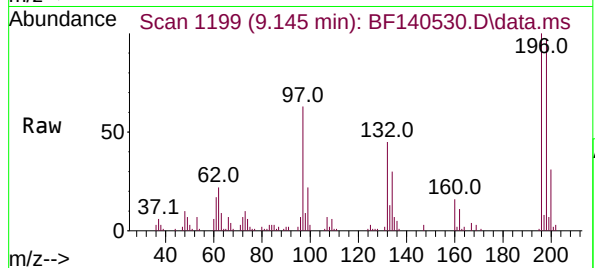
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 38279

Ion Ratio Lower Upper

196 100

198 97.3 76.8 115.2

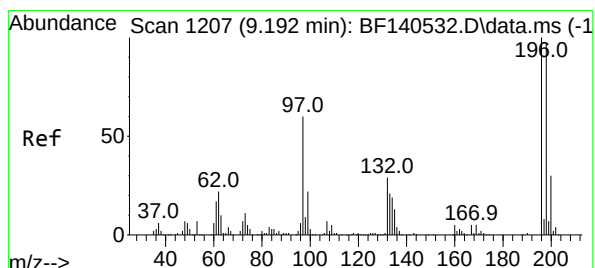
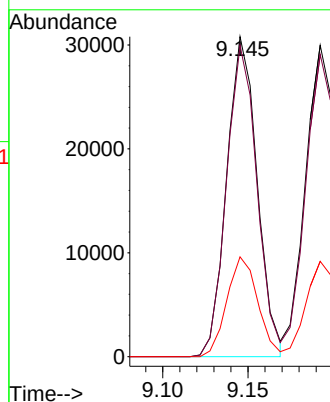
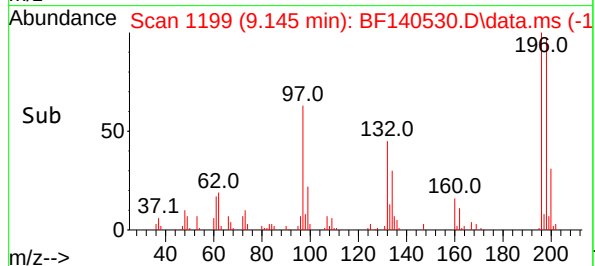
200 31.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

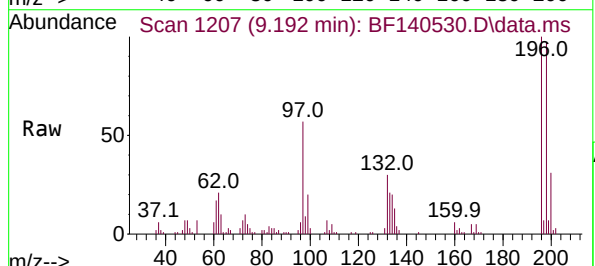
Concen: 9.930 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05



Tgt Ion:196 Resp: 42321

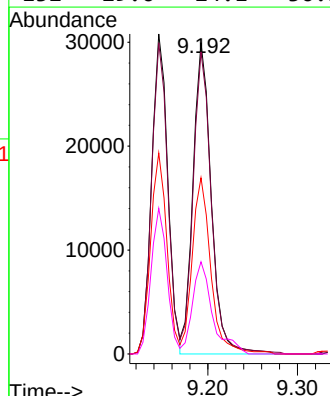
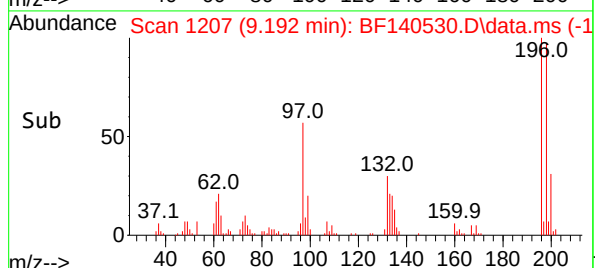
Ion Ratio Lower Upper

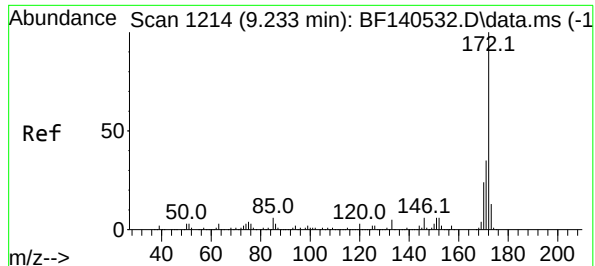
196 100

198 97.0 77.2 115.8

97 56.6 47.1 70.7

132 29.6 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 20.896 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 29981

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

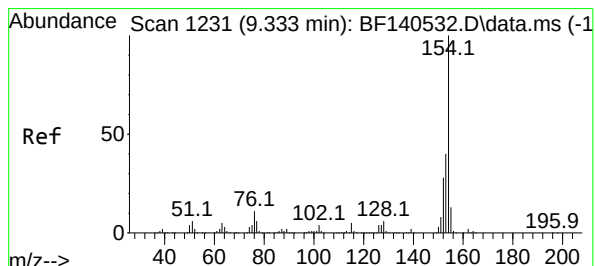
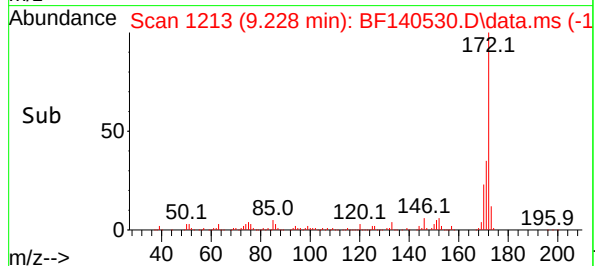
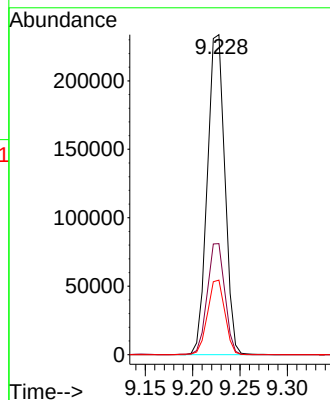
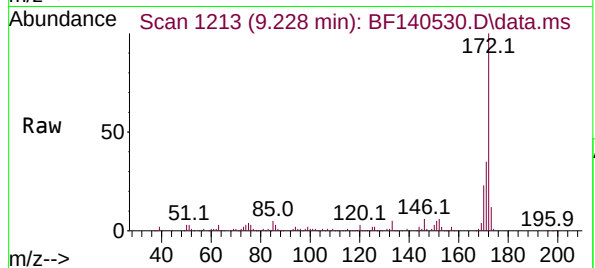
170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#46

1,1'-Biphenyl

Concen: 10.244 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

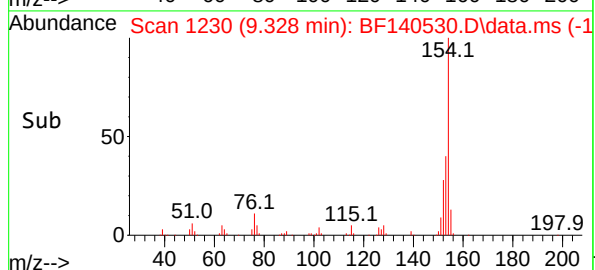
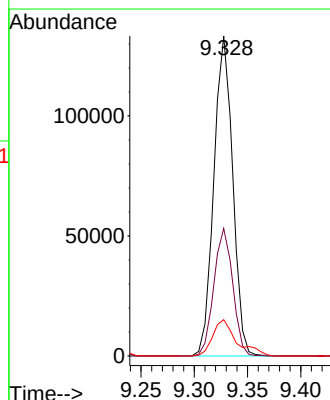
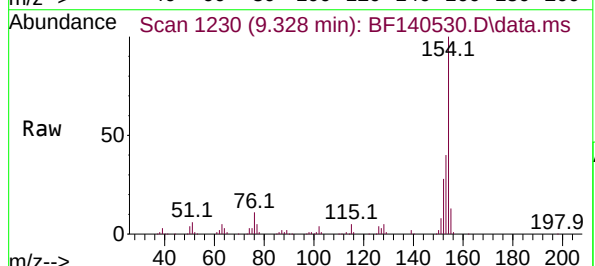
Tgt Ion:154 Resp: 163500

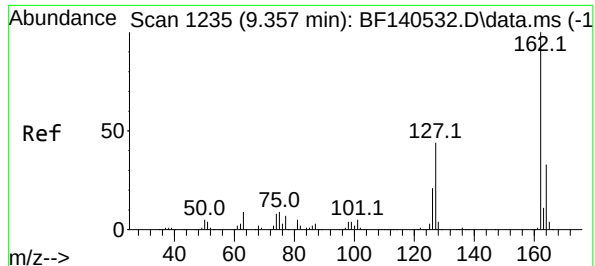
Ion Ratio Lower Upper

154 100

153 39.8 20.4 60.4

76 11.3 0.0 31.2





#47

2-Chloronaphthalene

Concen: 10.117 ng

RT: 9.351 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF140530.D

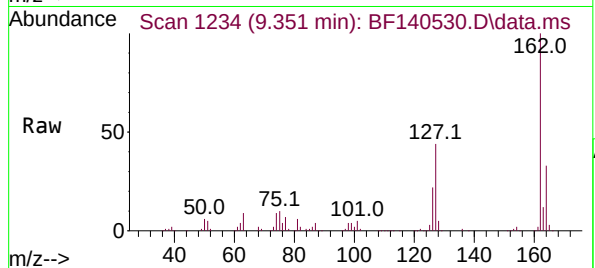
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 122350

Ion Ratio Lower Upper

162 100

127 43.9 35.7 53.5

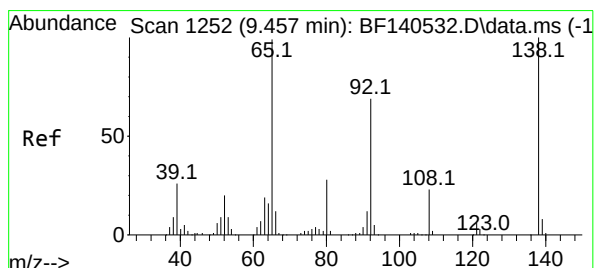
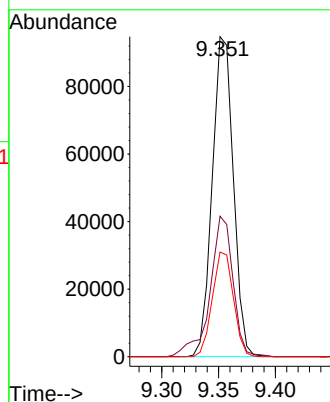
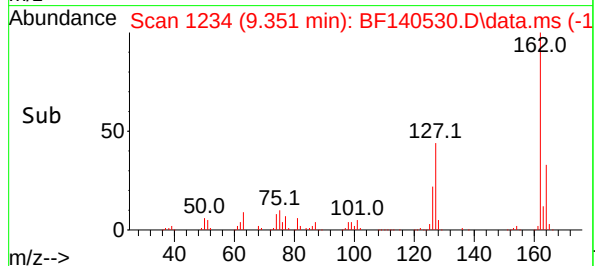
164 32.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 9.655 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

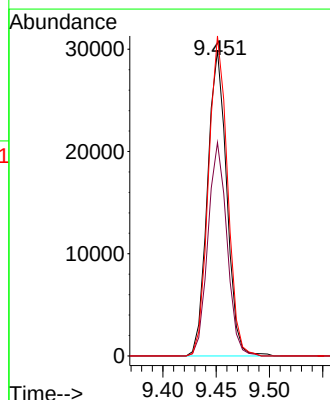
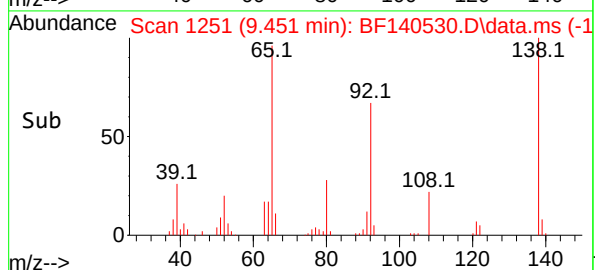
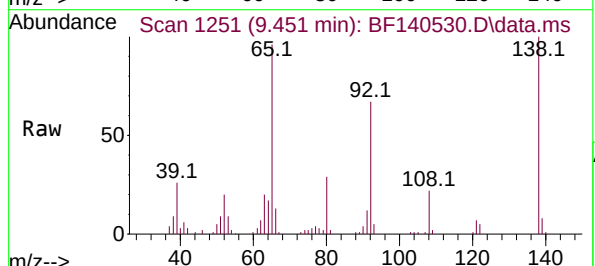
Tgt Ion: 65 Resp: 37481

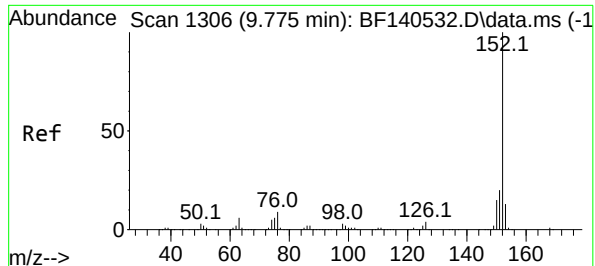
Ion Ratio Lower Upper

65 100

92 69.8 56.1 84.1

138 104.7 81.0 121.6





#49

Acenaphthylene

Concen: 10.326 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

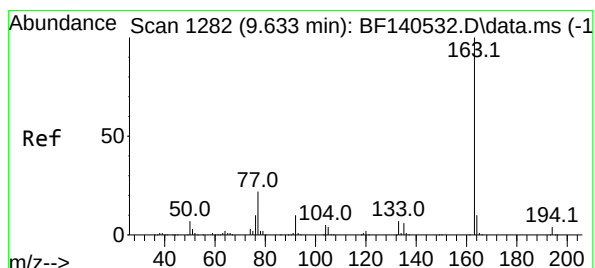
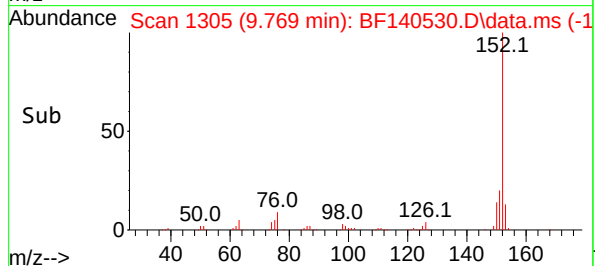
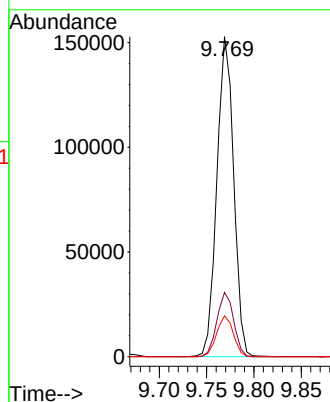
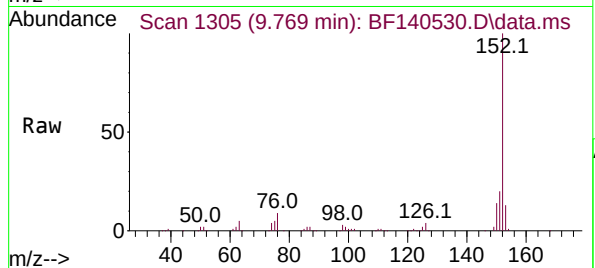
SSTDICC010

Tgt Ion:152	Resp: 188670
Ion Ratio	Lower Upper
152	100
151	20.1 15.9 23.9
153	12.8 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#50

Dimethylphthalate

Concen: 10.092 ng

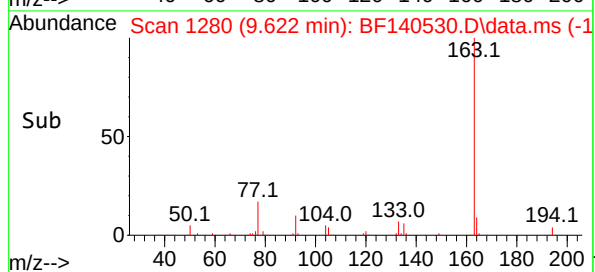
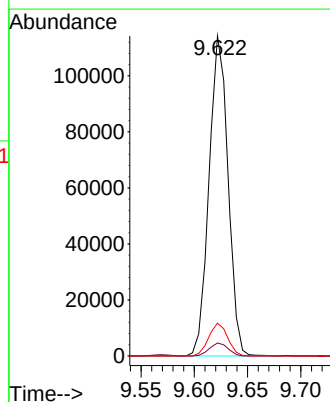
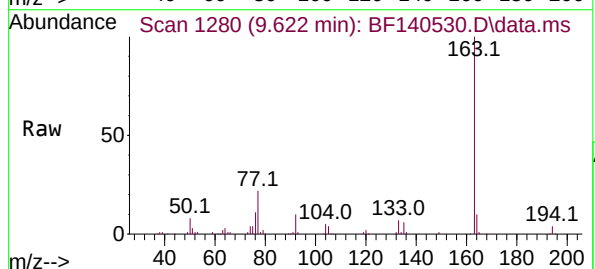
RT: 9.622 min Scan# 1280

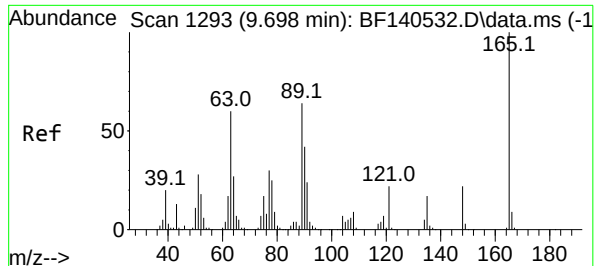
Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion:163	Resp: 142079
Ion Ratio	Lower Upper
163	100
194	4.1 3.1 4.7
164	10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 10.021 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:165 Resp: 3199

Ion Ratio Lower Upper

165 100

63 56.5 49.9 74.9

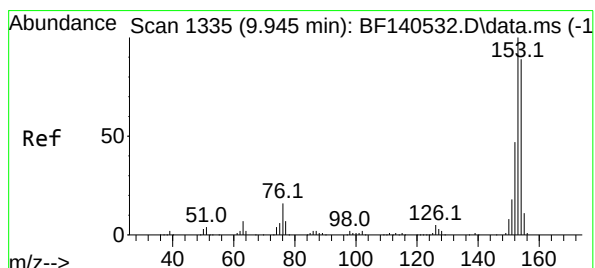
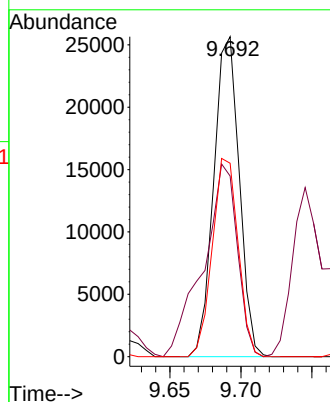
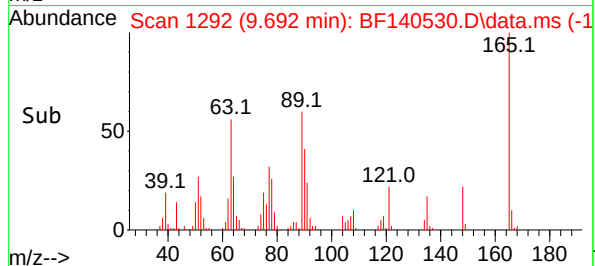
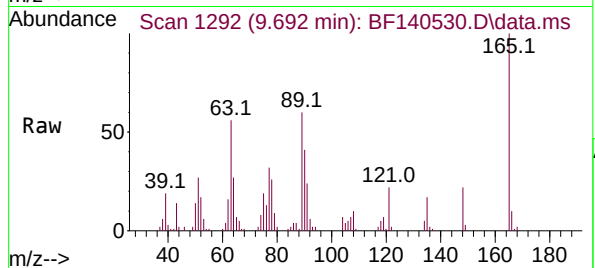
89 60.4 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#52

Acenaphthene

Concen: 10.031 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

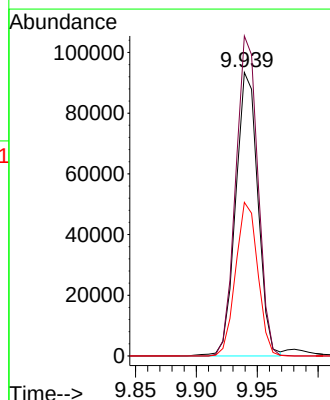
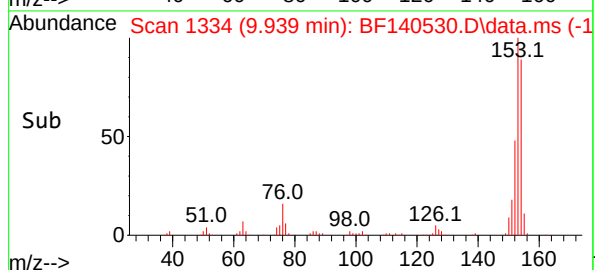
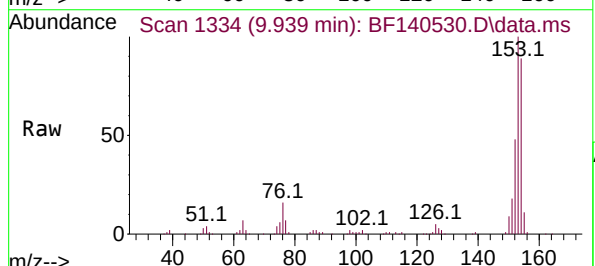
Tgt Ion:154 Resp: 118691

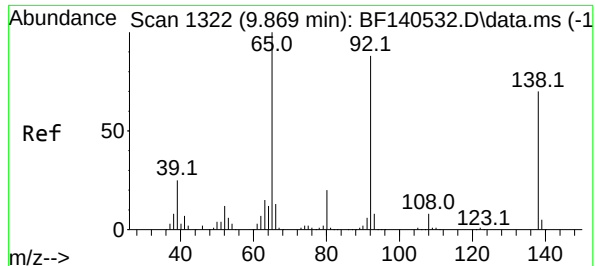
Ion Ratio Lower Upper

154 100

153 112.8 89.7 134.5

152 54.2 42.5 63.7





#53
3-Nitroaniline
Concen: 10.177 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

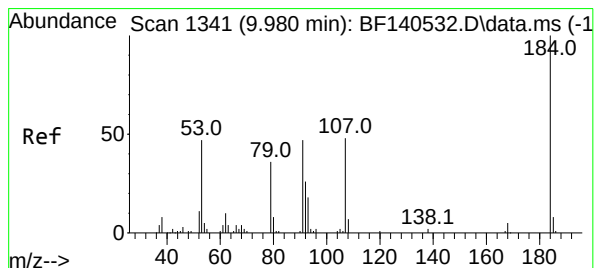
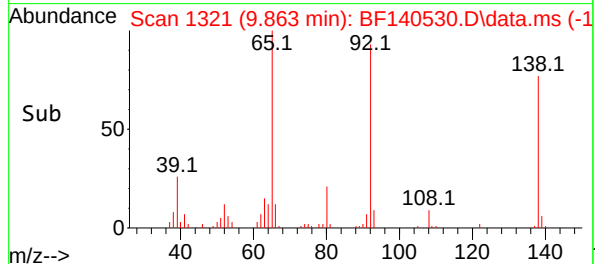
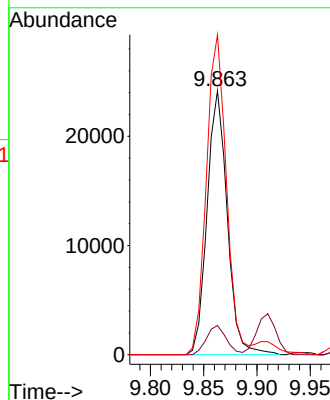
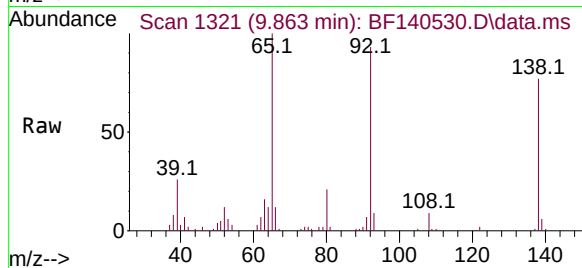
ClientSampleId :

SSTDICC010

Tgt Ion:138 Resp: 3178
Ion Ratio Lower Upper
138 100
108 11.1 9.2 13.8
92 121.2 100.6 150.8

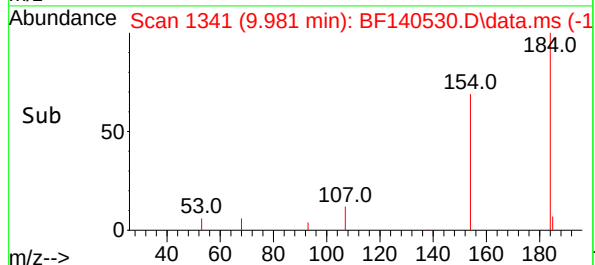
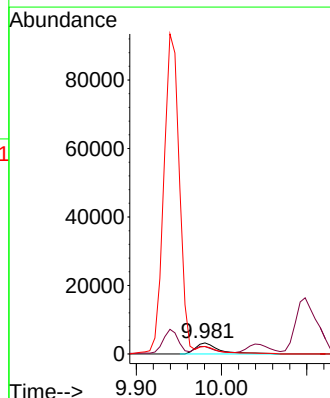
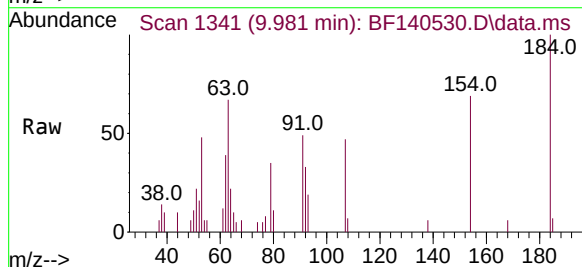
Manual Integrations
APPROVED

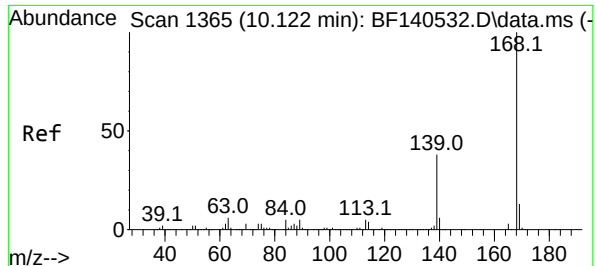
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#54
2,4-Dinitrophenol
Concen: 11.143 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.001 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

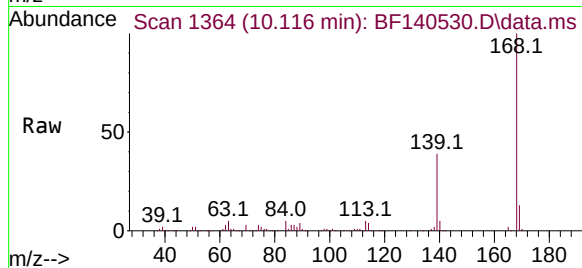
Tgt Ion:184 Resp: 6086
Ion Ratio Lower Upper
184 100
63 67.4 54.1 81.1
154 68.7 57.4 86.0





#55
Dibenzenofuran
Concen: 10.497 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

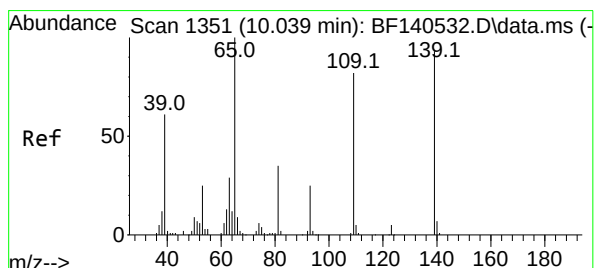
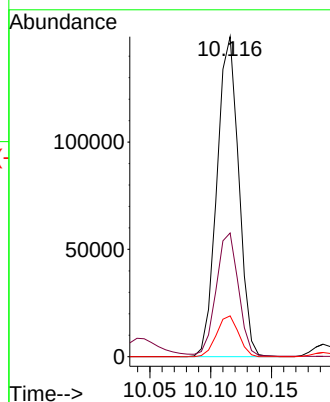
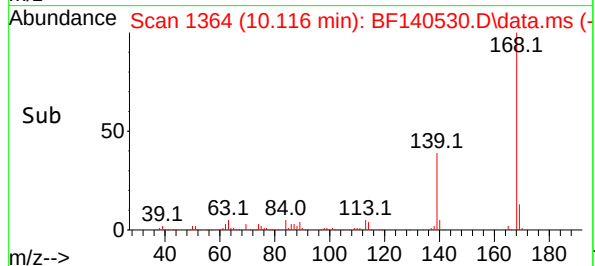
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:168 Resp: 185902
Ion Ratio Lower Upper
168 100
139 38.7 31.3 46.9
169 12.8 10.5 15.7

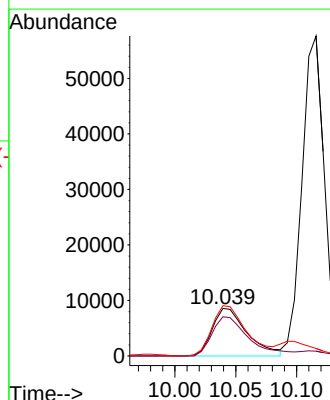
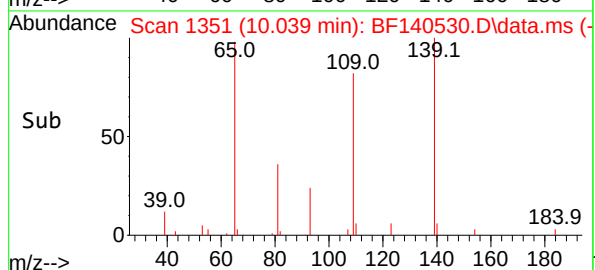
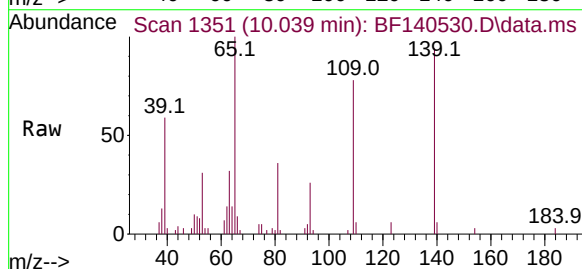
Manual Integrations
APPROVED

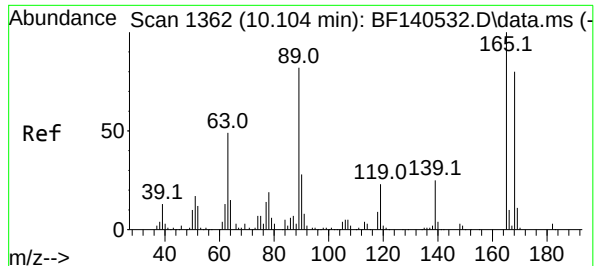
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#56
4-Nitrophenol
Concen: 8.006 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:139 Resp: 17052
Ion Ratio Lower Upper
139 100
109 82.5 68.4 108.4
65 105.9 88.6 128.6





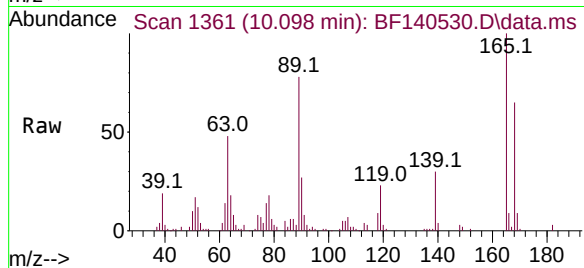
#57
2,4-Dinitrotoluene
Concen: 10.140 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

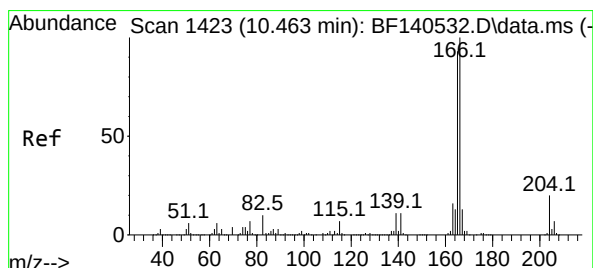
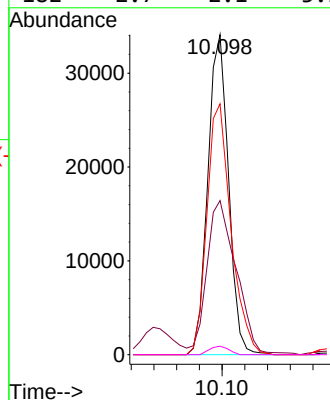
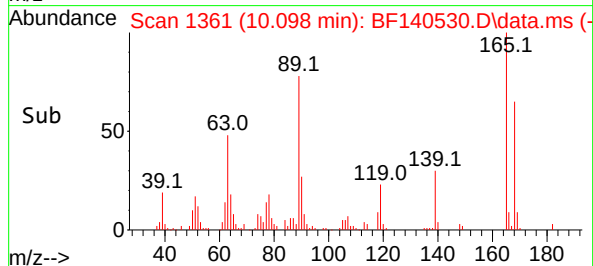


Tgt Ion:165 Resp: 43030
Ion Ratio Lower Upper
165 100
63 48.1 41.7 62.5
89 78.4 65.8 98.8
182 2.7 2.1 3.1

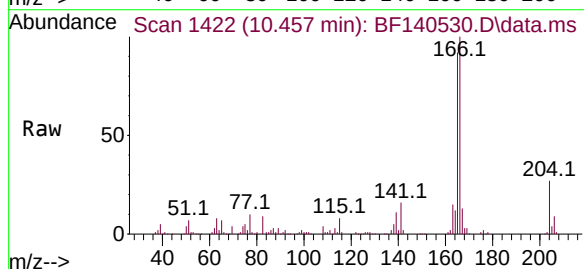
Manual Integrations

APPROVED

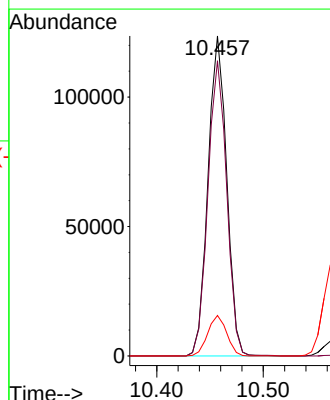
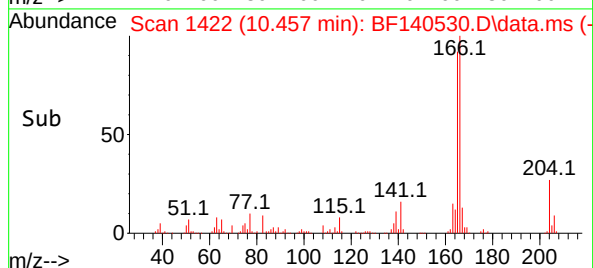
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

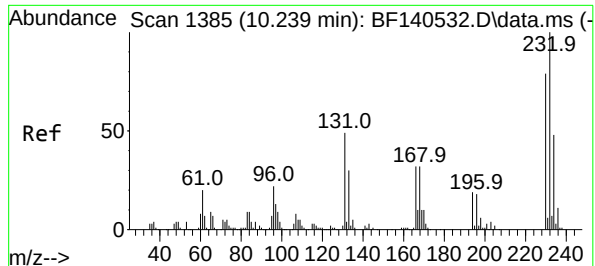


#58
Fluorene
Concen: 10.594 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



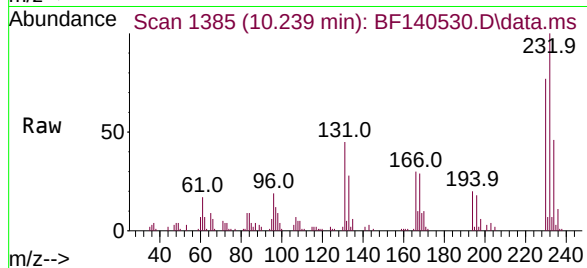
Tgt Ion:166 Resp: 150592
Ion Ratio Lower Upper
166 100
165 92.3 74.6 111.8
167 12.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.670 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

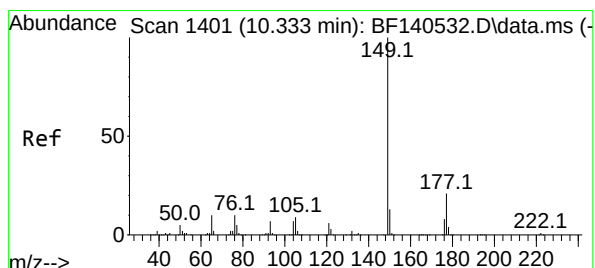
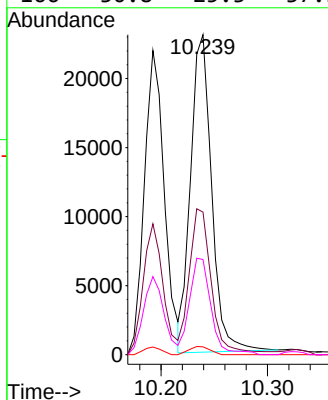
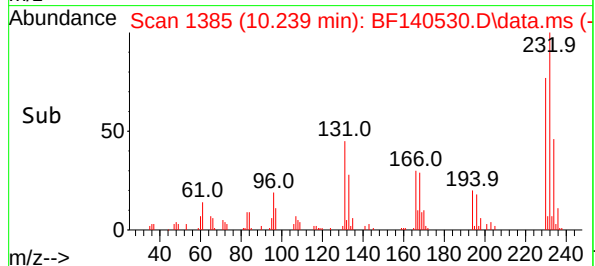
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 31672
Ion Ratio Lower Upper
232 100
131 48.3 39.6 59.4
130 2.6 1.9 2.9
166 30.8 25.3 37.9

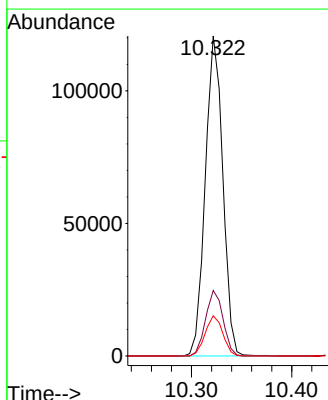
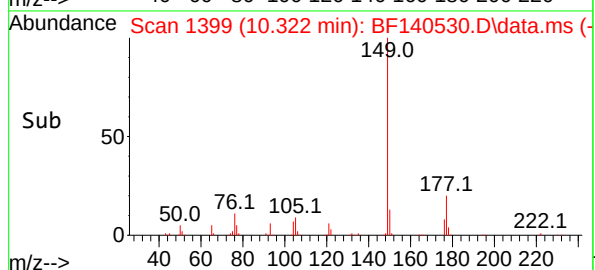
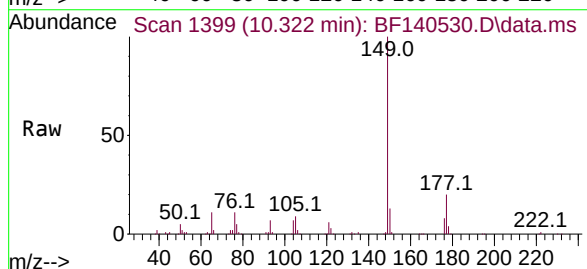
Manual Integrations
APPROVED

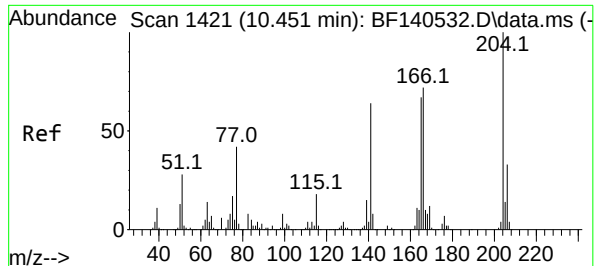
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#60
Diethylphthalate
Concen: 10.276 ng
RT: 10.322 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

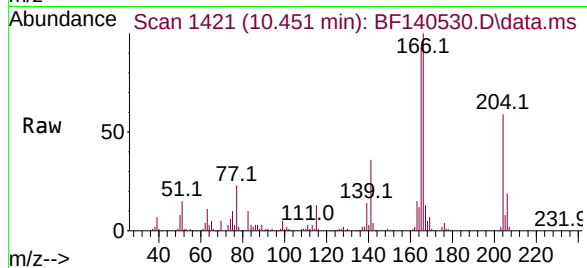
Tgt Ion:149 Resp: 146994
Ion Ratio Lower Upper
149 100
177 20.4 17.1 25.7
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 10.452 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

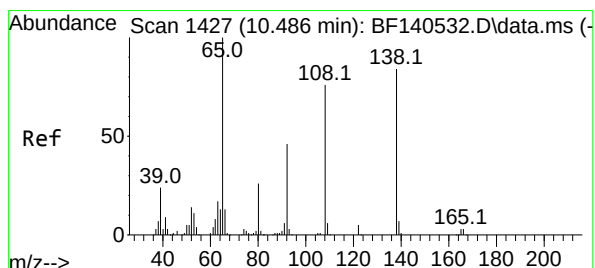
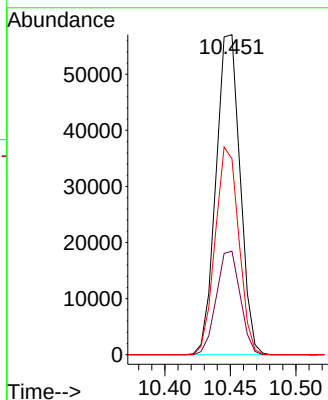
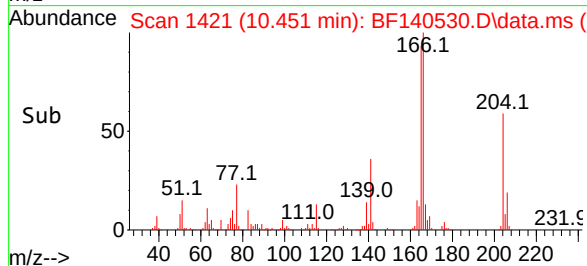
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



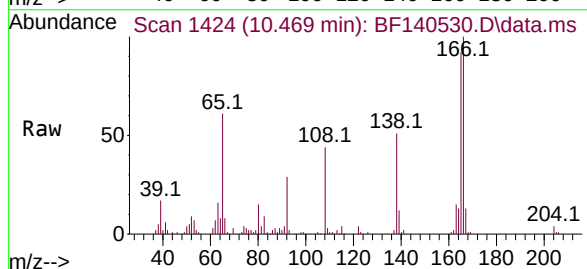
Tgt Ion:204 Resp: 72915
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 61.2 51.1 76.7

Manual Integrations
APPROVED

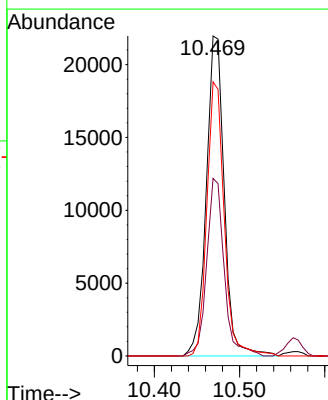
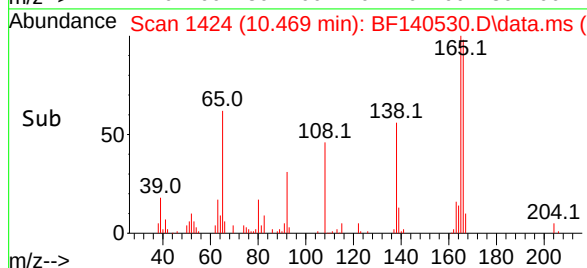
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

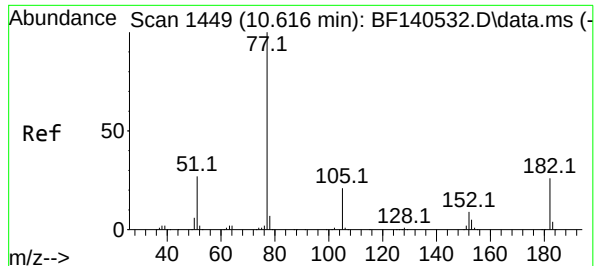


#62
4-Nitroaniline
Concen: 9.829 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.018 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



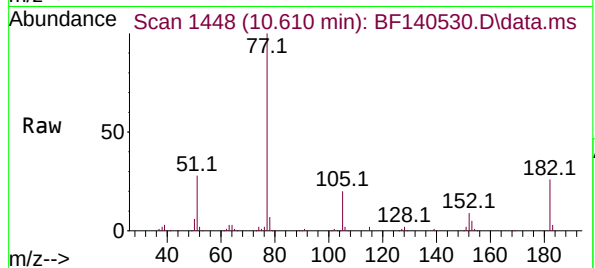
Tgt Ion:138 Resp: 32193
Ion Ratio Lower Upper
138 100
92 55.5 34.5 74.5
108 85.7 70.6 110.6





#63
Azobenzene
Concen: 10.412 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

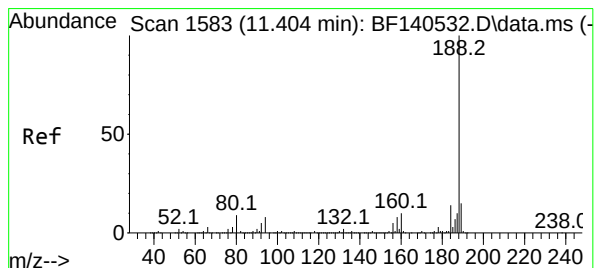
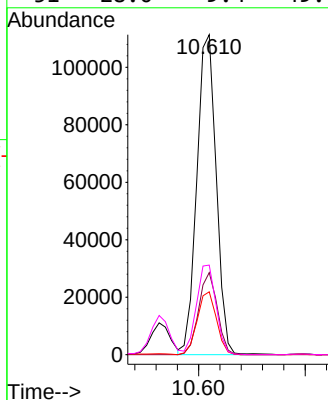
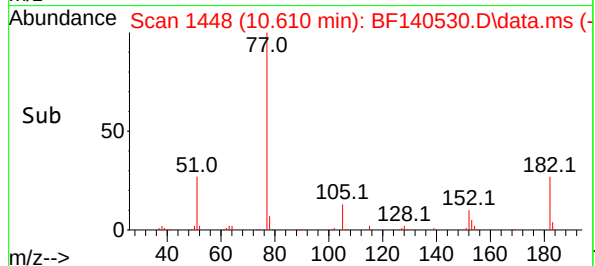
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 141049
Ion Ratio Lower Upper
77 100
182 25.6 5.3 45.3
105 19.6 0.3 40.3
51 28.0 9.4 49.4

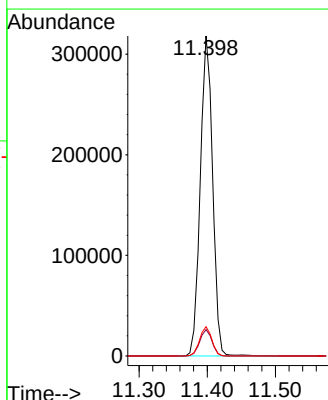
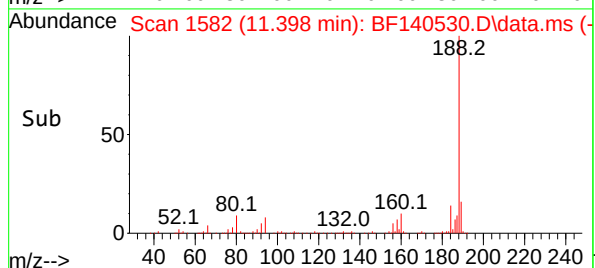
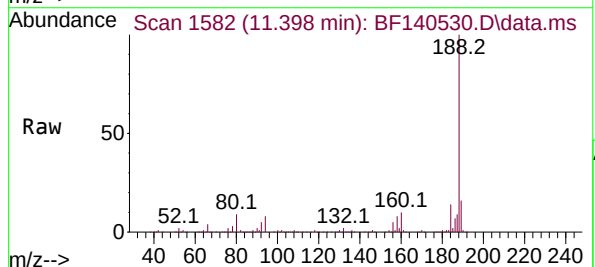
Manual Integrations
APPROVED

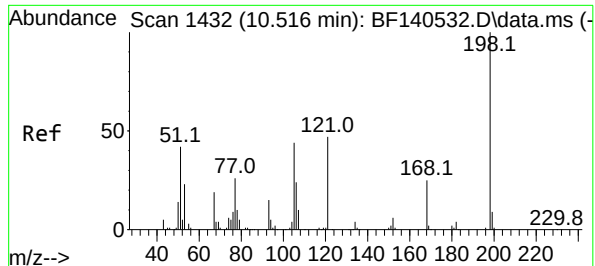
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:188 Resp: 399362
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.1 6.9 10.3





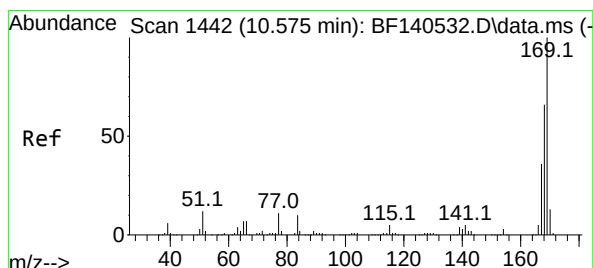
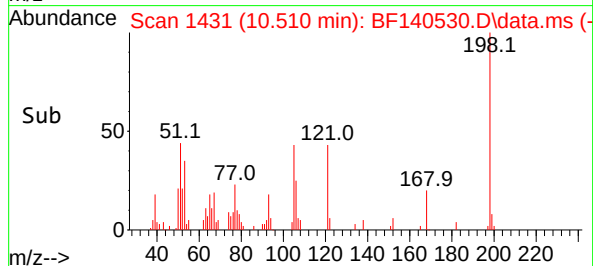
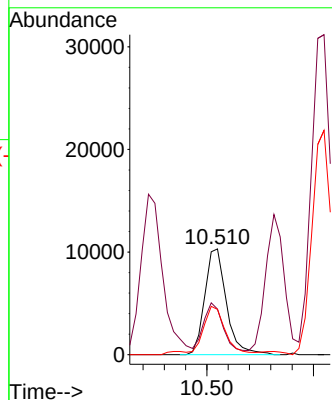
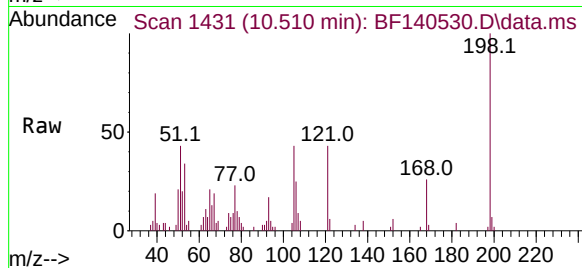
#65
4,6-Dinitro-2-methylphenol
Concen: 7.140 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 14572
Ion Ratio Lower Upper
198 100
51 43.0 29.4 69.4
105 42.8 25.4 65.4

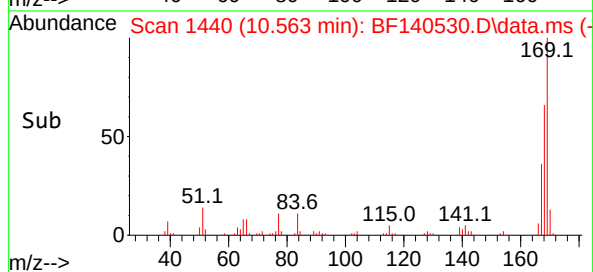
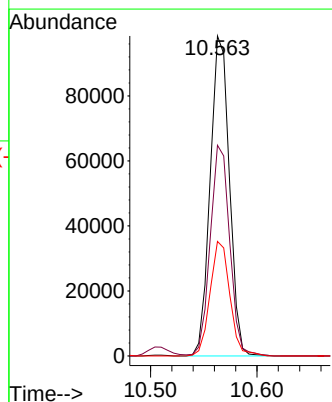
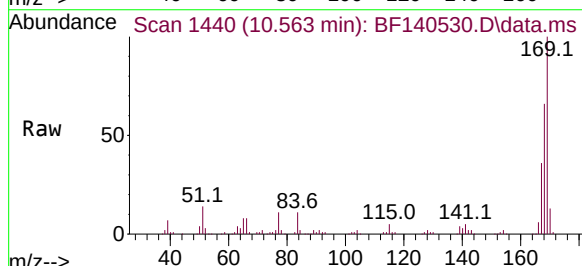
Manual Integrations
APPROVED

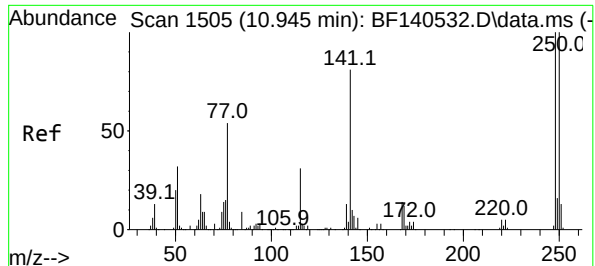
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#66
n-Nitrosodiphenylamine
Concen: 10.447 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:169 Resp: 123384
Ion Ratio Lower Upper
169 100
168 65.8 53.2 79.8
167 35.8 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 10.444 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

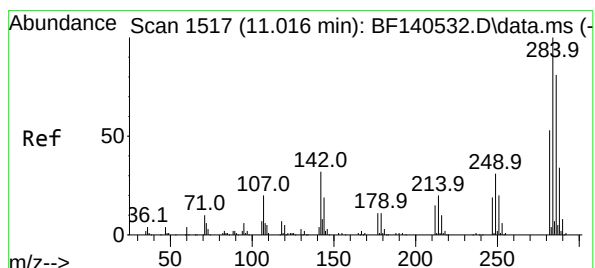
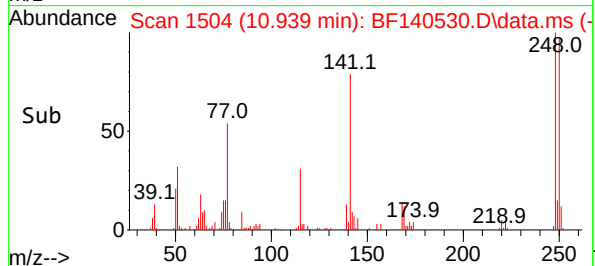
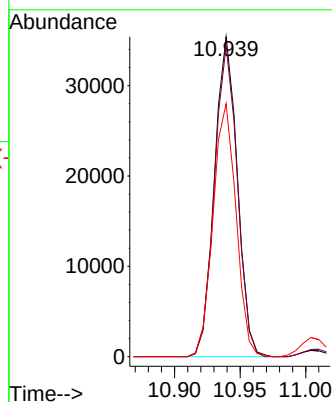
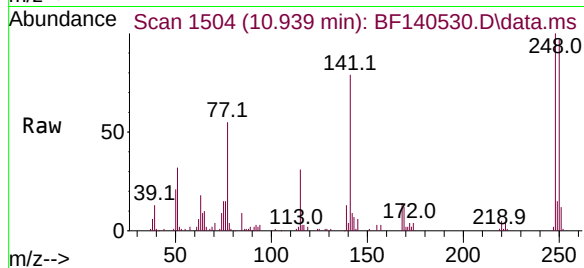
SSTDICC010

Tgt Ion:248 Resp: 42958
Ion Ratio Lower Upper
248 100
250 97.1 79.8 119.8
141 79.1 64.7 97.1

Manual Integrations

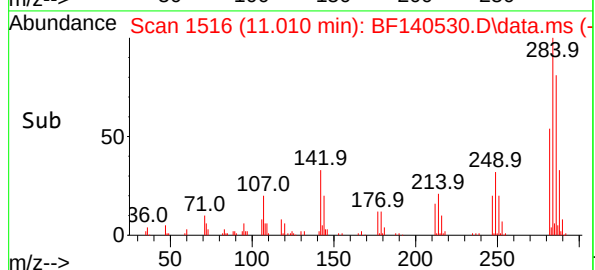
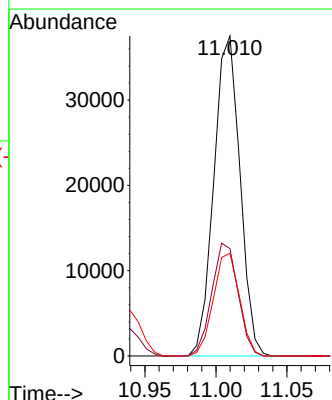
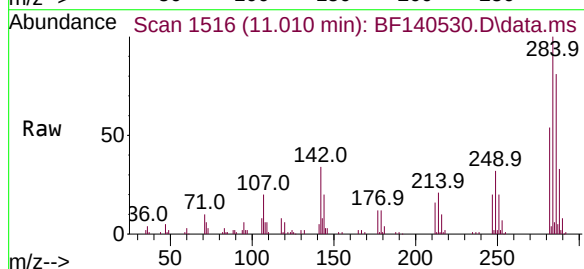
APPROVED

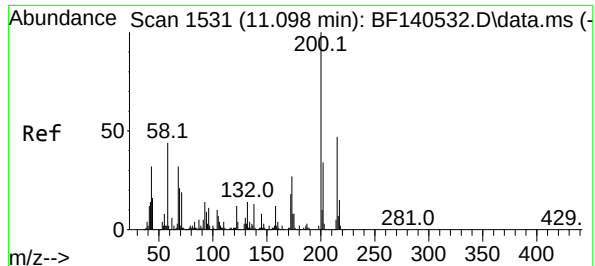
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#68
Hexachlorobenzene
Concen: 10.078 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:284 Resp: 47993
Ion Ratio Lower Upper
284 100
142 33.6 25.3 37.9
249 32.1 24.8 37.2





#69

Atrazine

Concen: 10.292 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

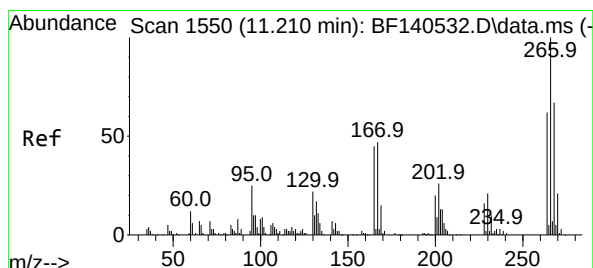
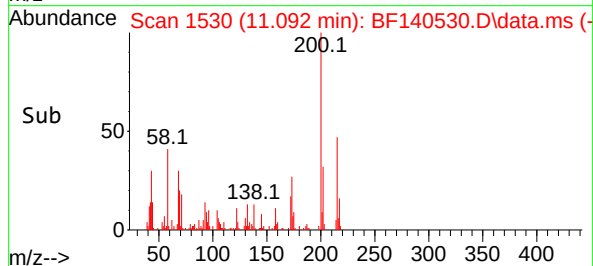
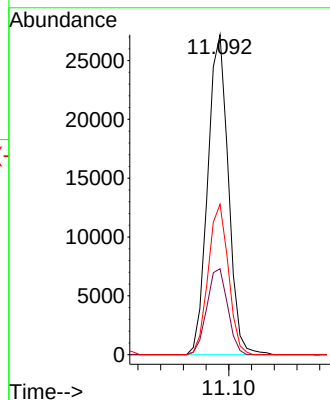
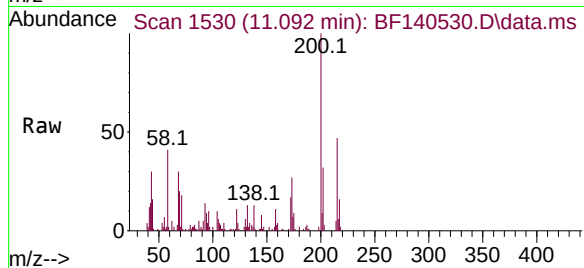
Tgt Ion	200	Resp	3419
Ion Ratio	Lower	Upper	
200	100		
173	26.8	7.0	47.0
215	47.0	26.7	66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#70

Pentachlorophenol

Concen: 6.732 ng

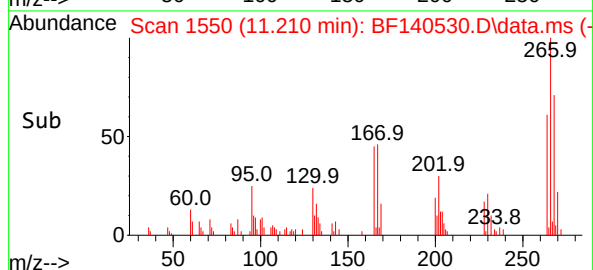
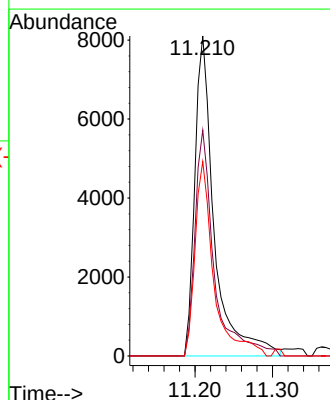
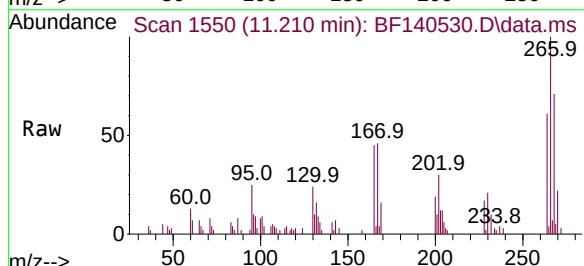
RT: 11.210 min Scan# 1550

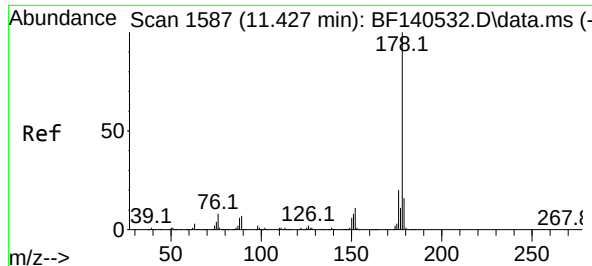
Delta R.T. -0.000 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion	266	Resp	14110
Ion Ratio	Lower	Upper	
266	100		
268	70.5	53.7	80.5
264	60.7	49.8	74.8





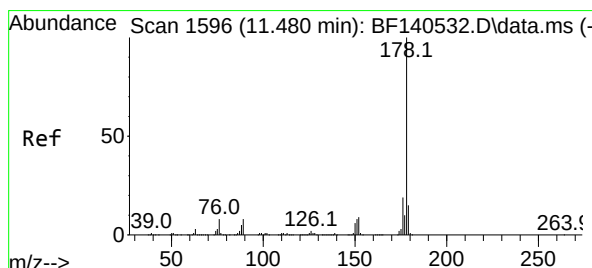
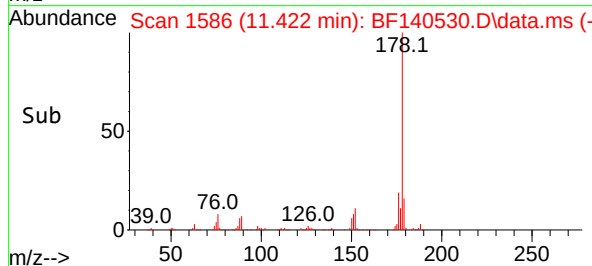
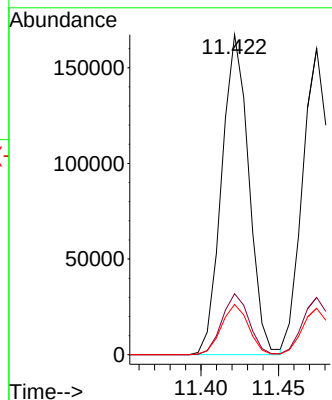
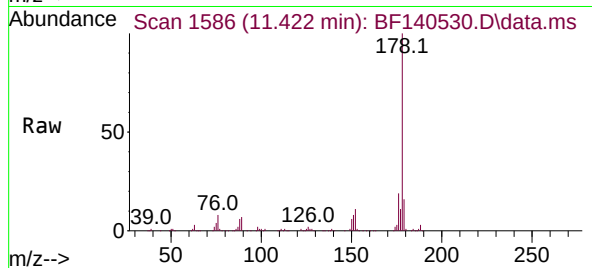
#71
Phenanthrene
Concen: 10.606 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 203602
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.7 12.4 18.6

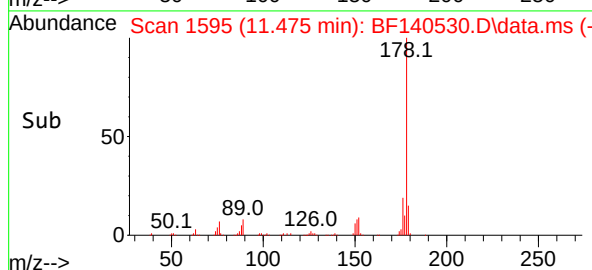
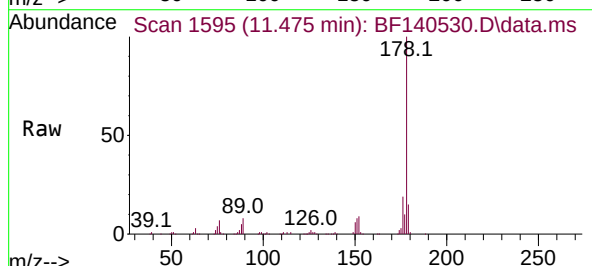
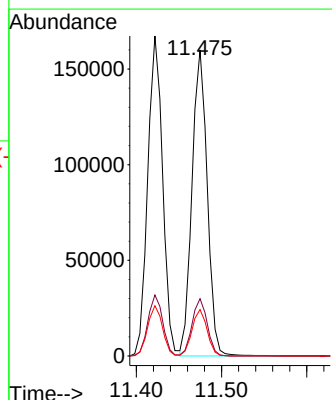
Manual Integrations
APPROVED

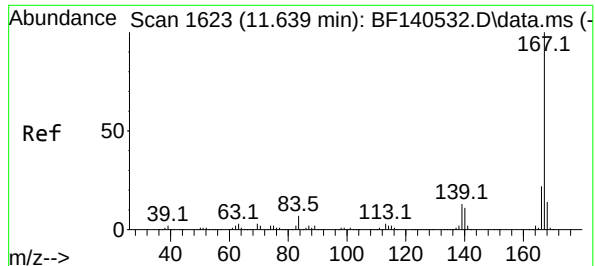
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#72
Anthracene
Concen: 10.567 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

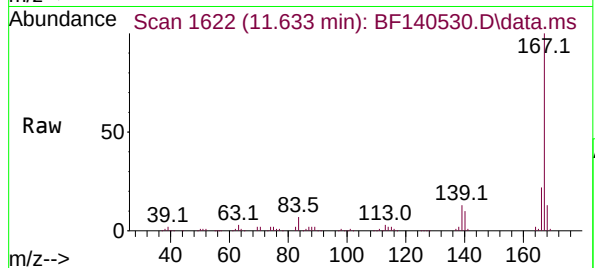
Tgt Ion:178 Resp: 198430
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.1 12.2 18.4





#73
Carbazole
Concen: 10.495 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

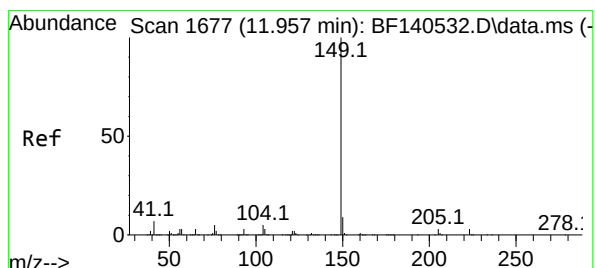
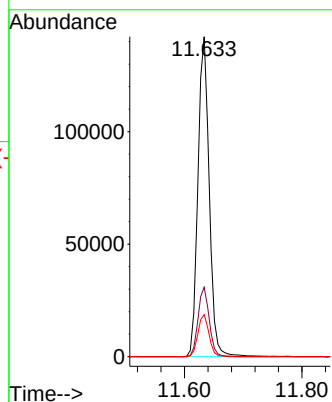
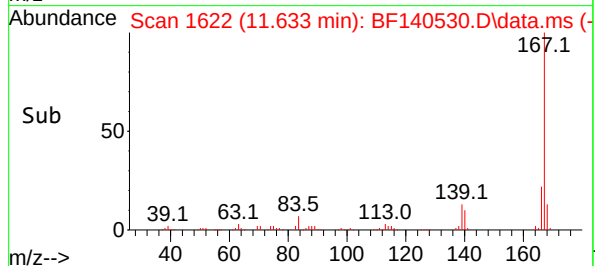
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



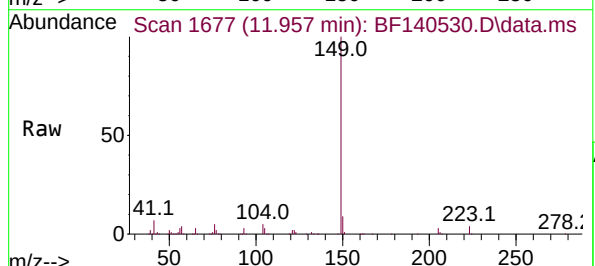
Tgt Ion:167 Resp: 189597
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 13.2 10.6 15.8

Manual Integrations
APPROVED

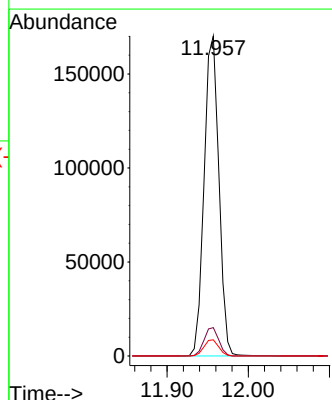
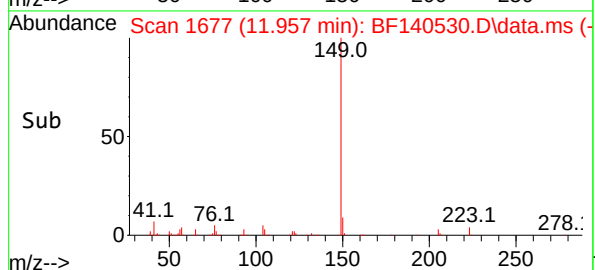
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

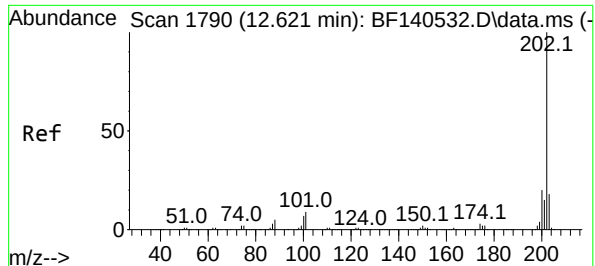


#74
Di-n-butylphthalate
Concen: 10.288 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



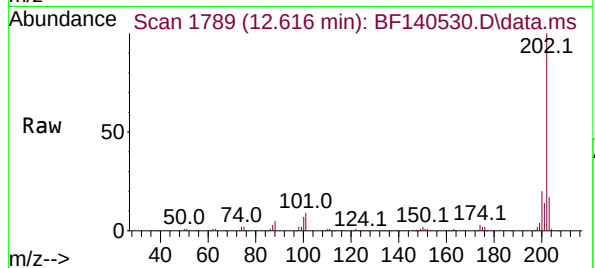
Tgt Ion:149 Resp: 214564
Ion Ratio Lower Upper
149 100
150 8.9 7.5 11.3
104 5.0 4.1 6.1





#75
Fluoranthene
Concen: 10.640 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

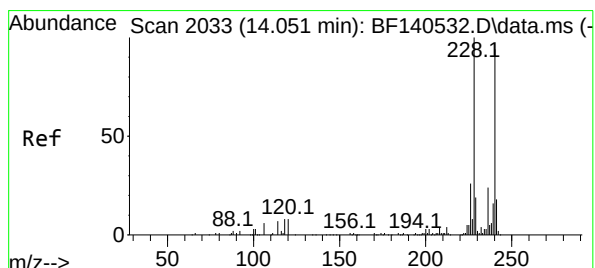
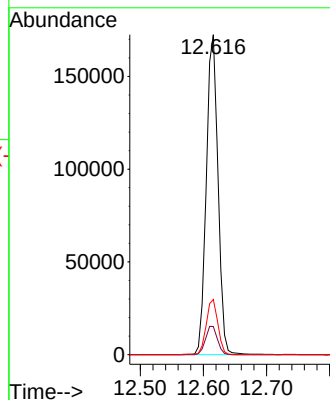
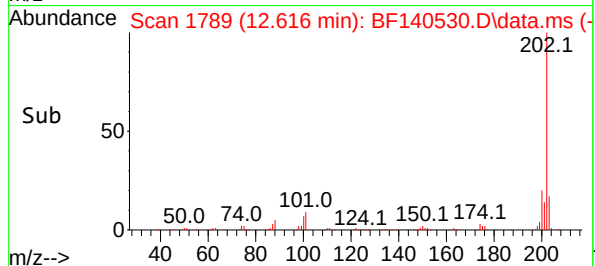
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 22177
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.9
203 17.3 0.0 37.6

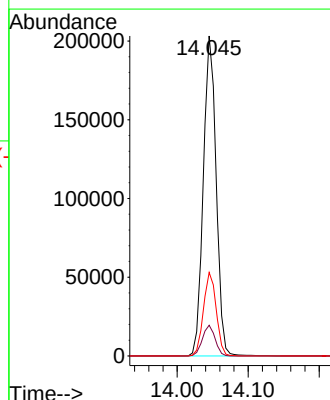
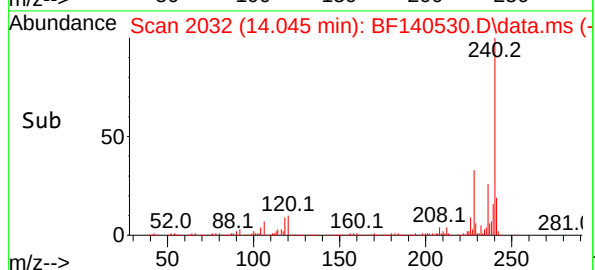
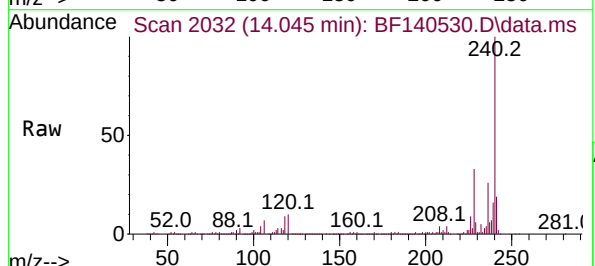
Manual Integrations
APPROVED

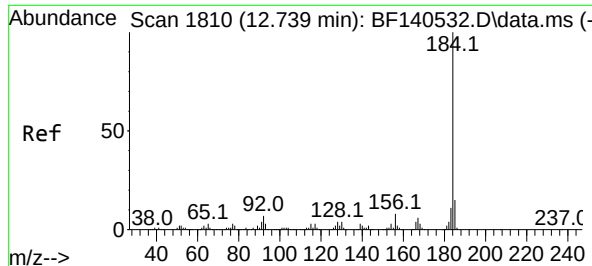
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

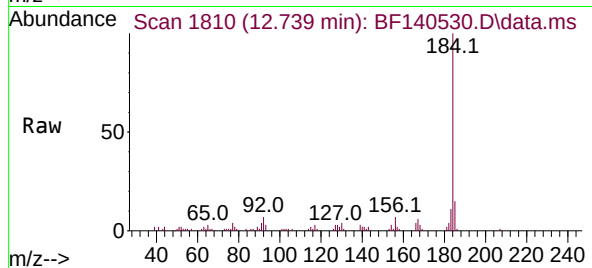
Tgt Ion:240 Resp: 256196
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.1 20.6 31.0





#77
Benzidine
Concen: 7.252 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

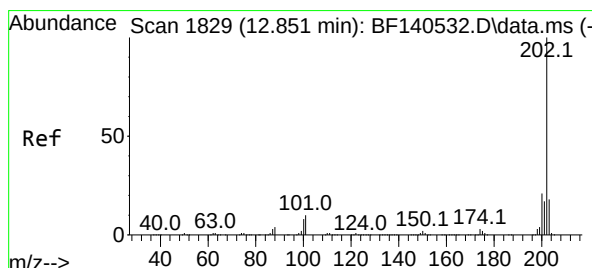
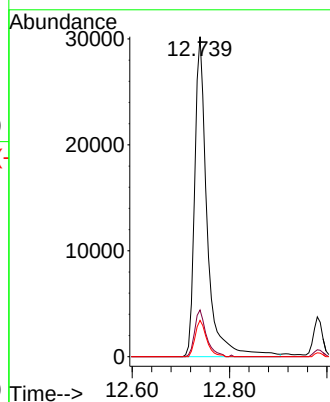
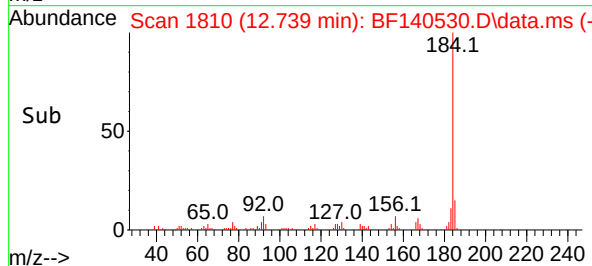
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



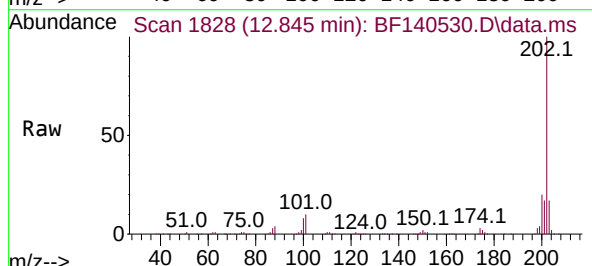
Tgt Ion:184 Resp: 5402
Ion Ratio Lower Upper
184 100
185 14.6 11.7 17.5
183 11.4 8.8 13.2

Manual Integrations
APPROVED

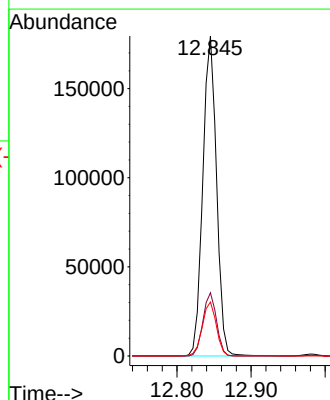
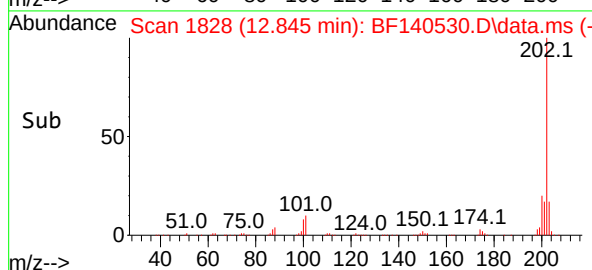
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

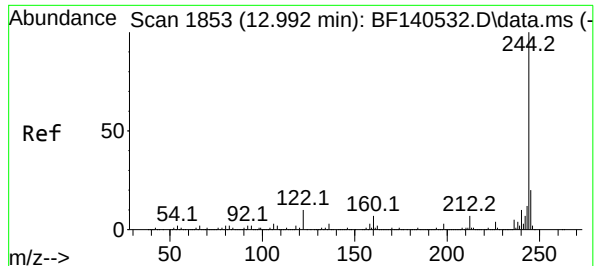


#78
Pyrene
Concen: 9.741 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



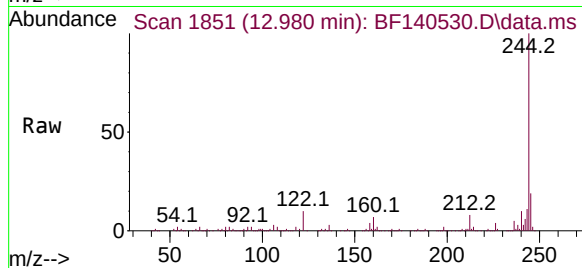
Tgt Ion:202 Resp: 230747
Ion Ratio Lower Upper
202 100
200 19.7 16.5 24.7
203 16.9 14.2 21.4





#79
Terphenyl-d14
Concen: 19.532 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

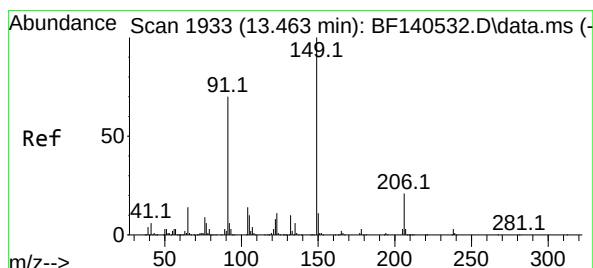
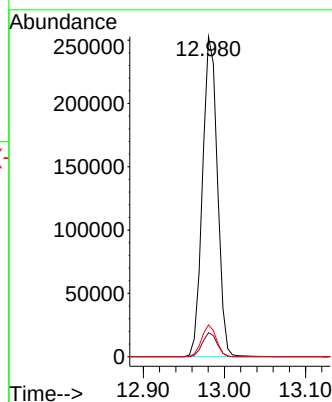
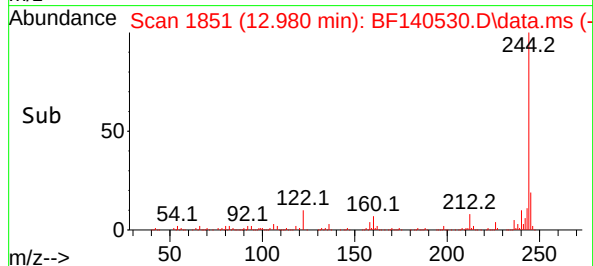
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:244 Resp: 321362
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.8
122 10.0 8.0 12.0

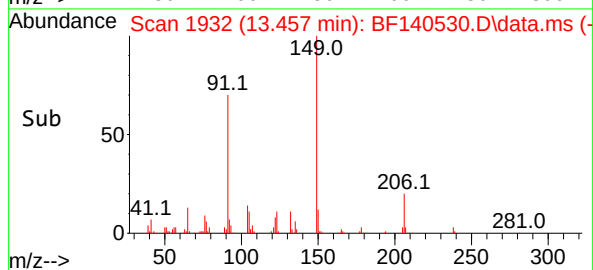
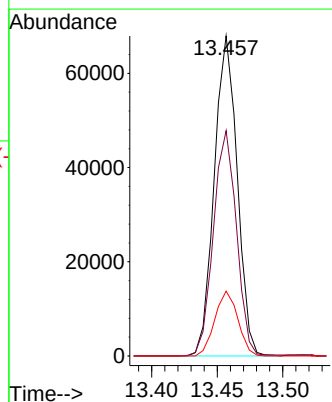
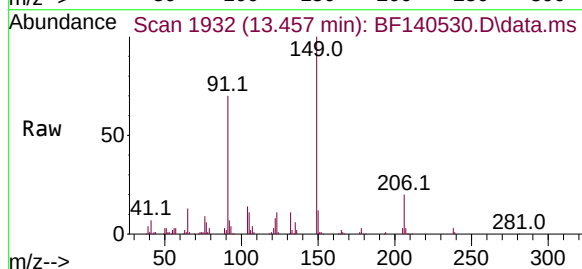
Manual Integrations
APPROVED

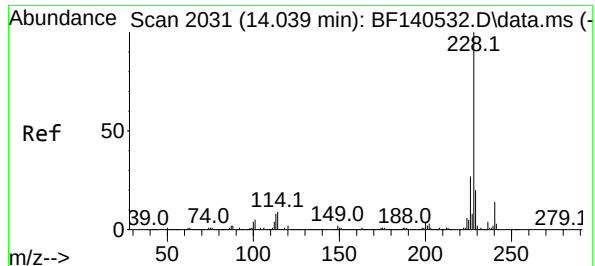
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#80
Butylbenzylphthalate
Concen: 9.674 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

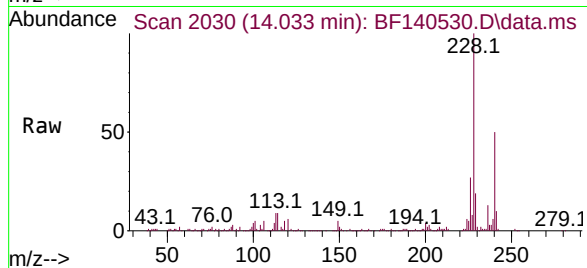
Tgt Ion:149 Resp: 82557
Ion Ratio Lower Upper
149 100
91 70.4 56.2 84.2
206 20.2 16.4 24.6





#81
Benzo(a)anthracene
Concen: 9.964 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

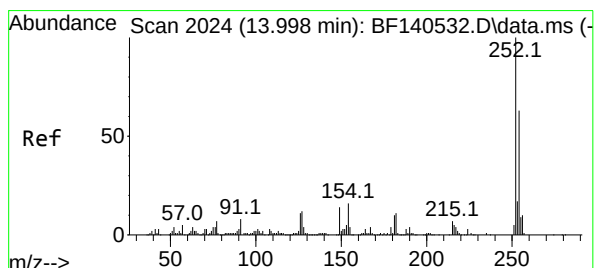
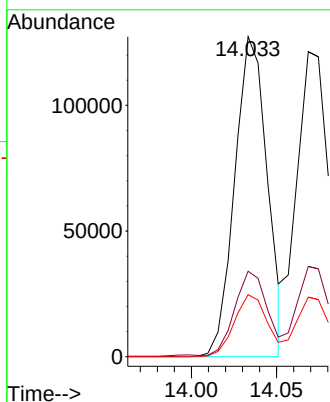
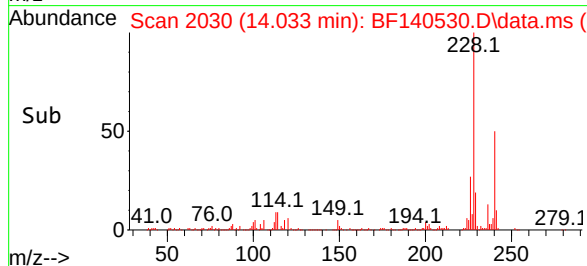
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 168988
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.8
229 19.4 15.8 23.6

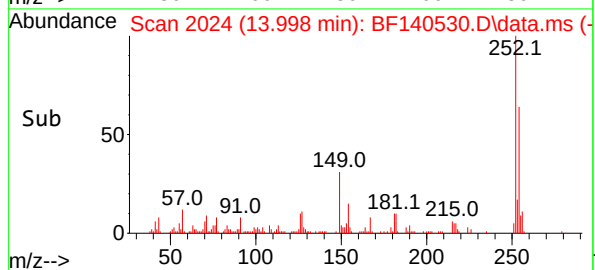
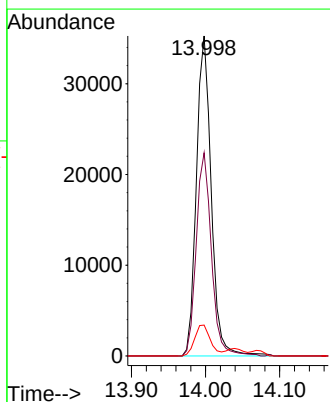
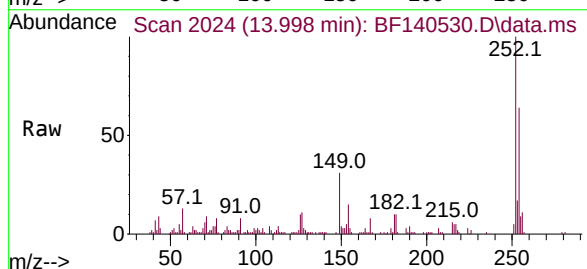
Manual Integrations
APPROVED

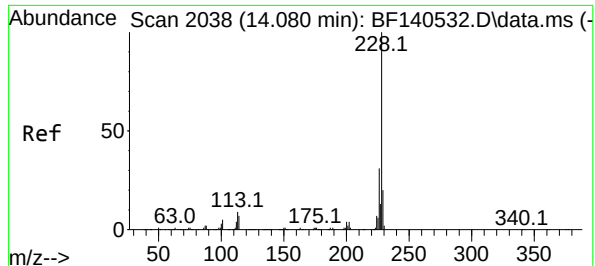
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 9.634 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

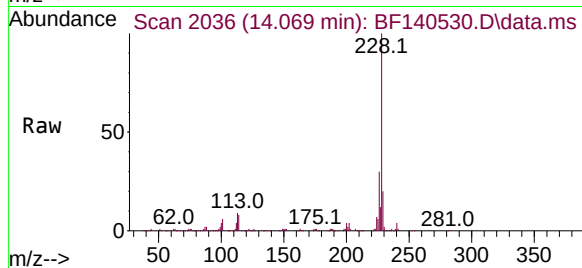
Tgt Ion:252 Resp: 49053
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 9.6 8.6 13.0





#83
Chrysene
Concen: 10.435 ng
RT: 14.069 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

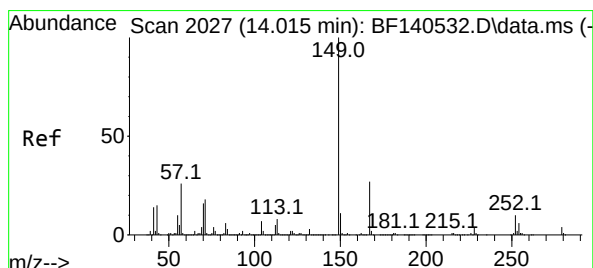
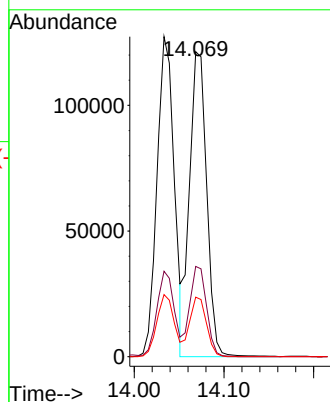
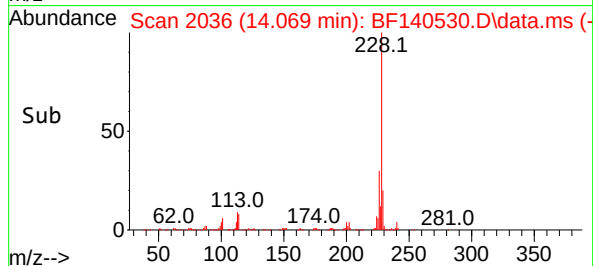
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 16181
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 19.5 15.8 23.6

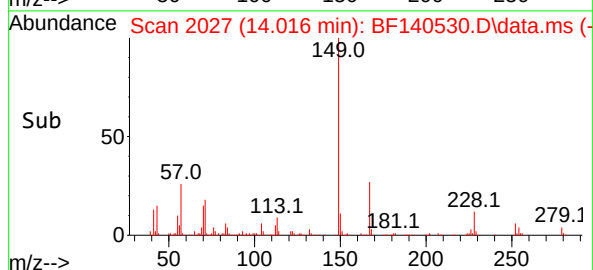
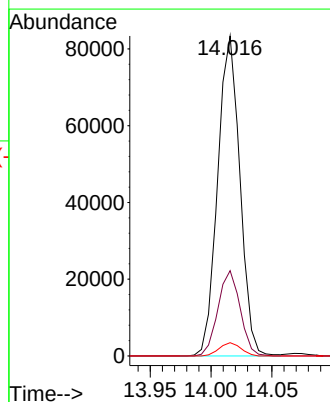
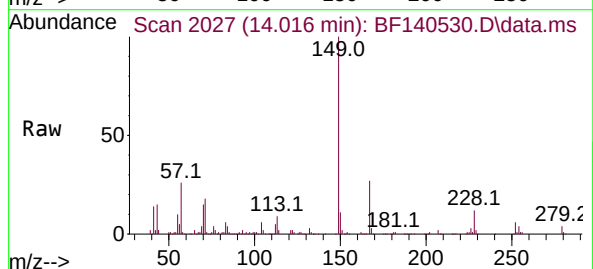
Manual Integrations
APPROVED

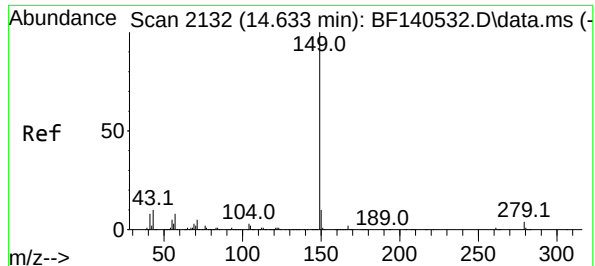
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.846 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

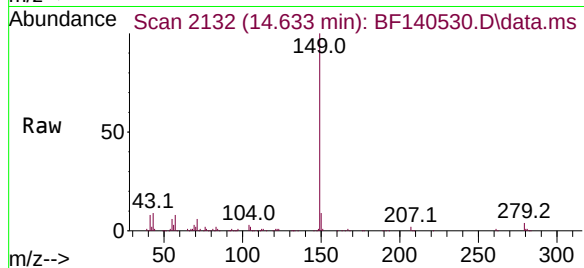
Tgt Ion:149 Resp: 106093
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 9.852 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

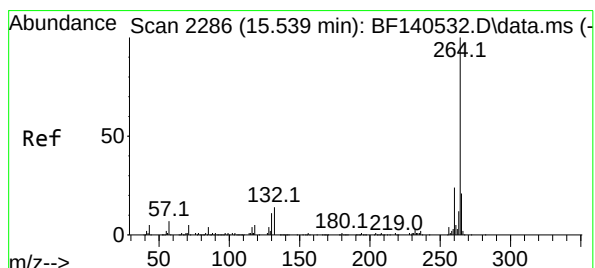
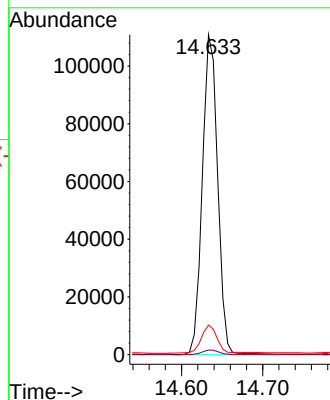
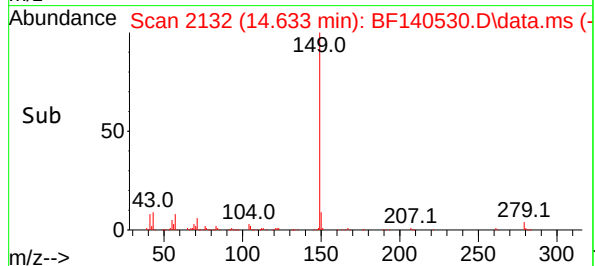
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 145085
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.5 7.7 11.5

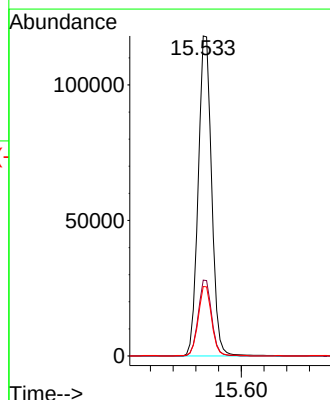
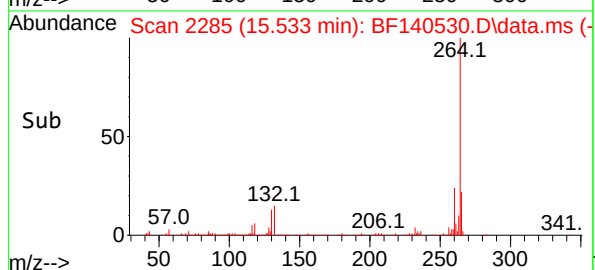
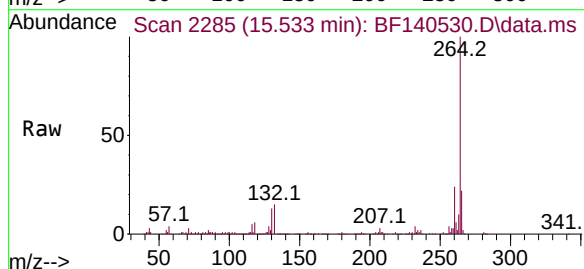
Manual Integrations
APPROVED

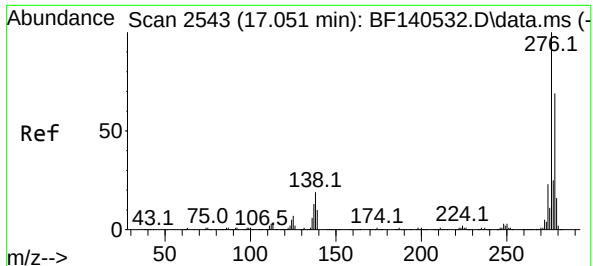
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

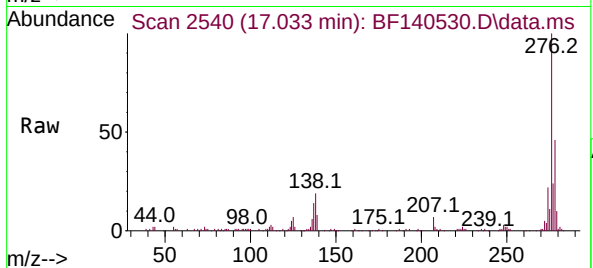
Tgt Ion:264 Resp: 194024
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.7 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.843 ng
RT: 17.033 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

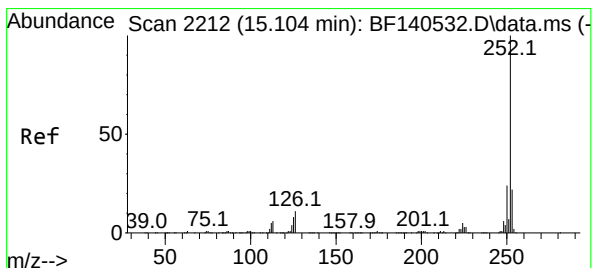
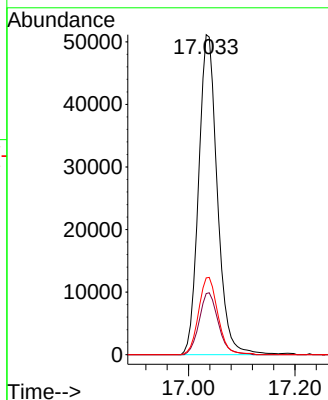
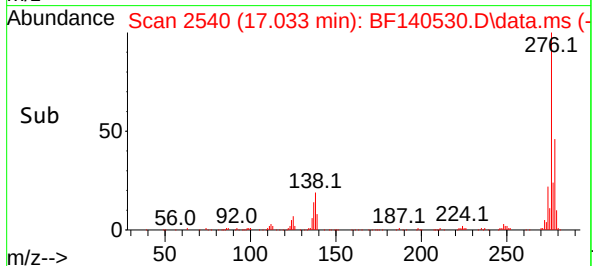
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:276 Resp: 12445
Ion Ratio Lower Upper
276 100
138 19.8 15.5 23.3
277 25.0 20.1 30.1

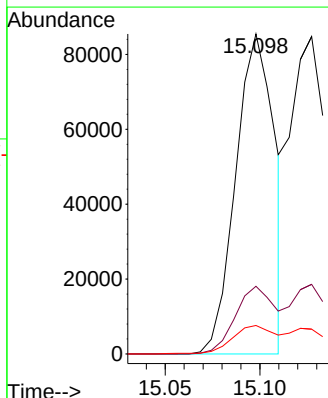
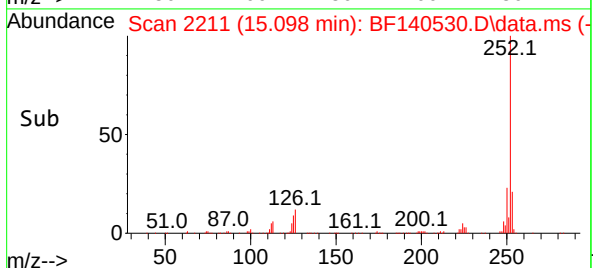
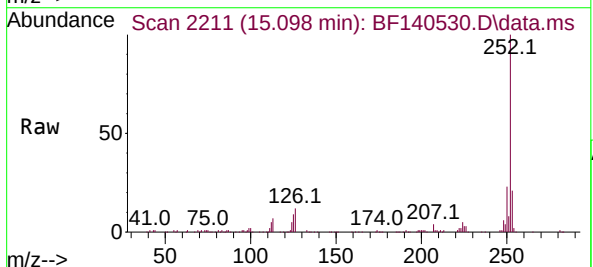
Manual Integrations
APPROVED

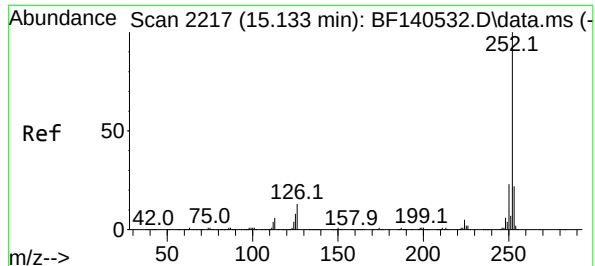
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#88
Benzo(b)fluoranthene
Concen: 10.001 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Tgt Ion:252 Resp: 121884
Ion Ratio Lower Upper
252 100
253 21.2 17.2 25.8
125 8.9 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 11.241 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 119878

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

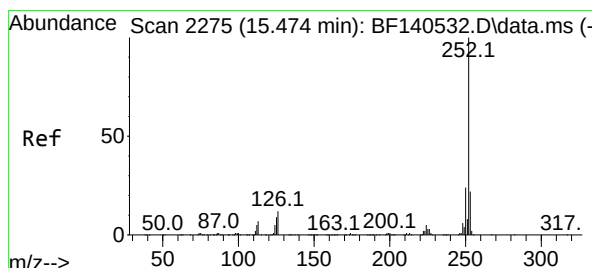
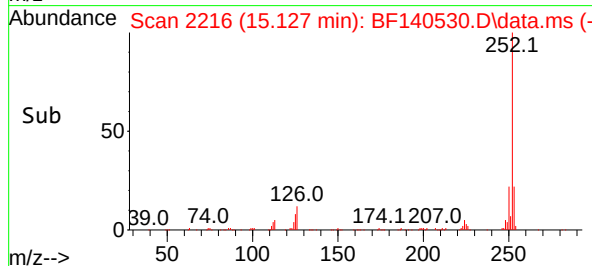
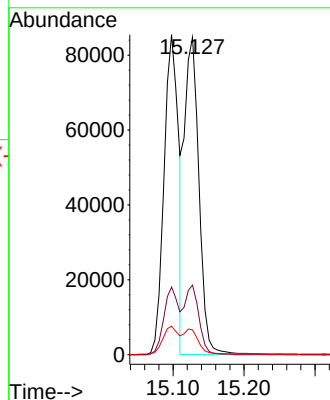
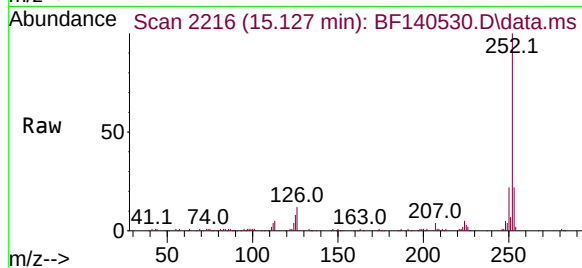
125 7.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 10.276 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

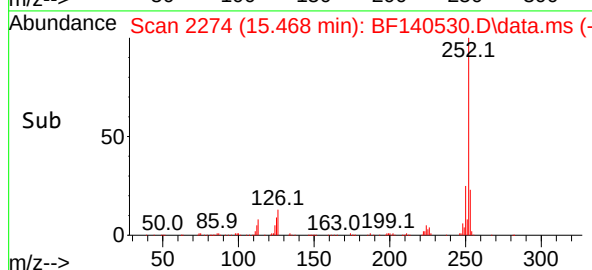
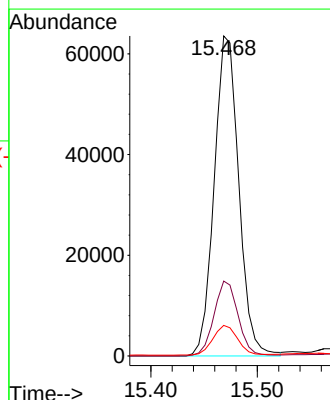
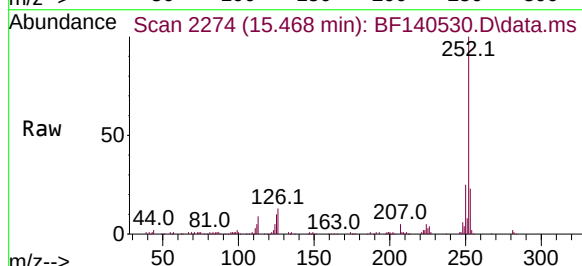
Tgt Ion:252 Resp: 101824

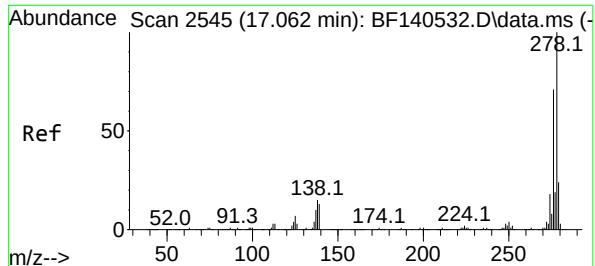
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 9.6 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 9.720 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 100650

Ion Ratio Lower Upper

278 100

139 13.0 10.2 15.4

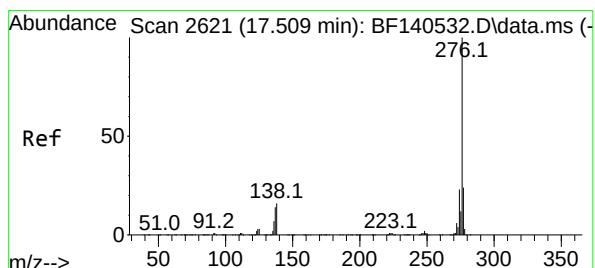
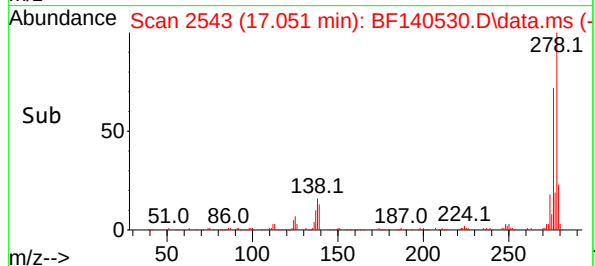
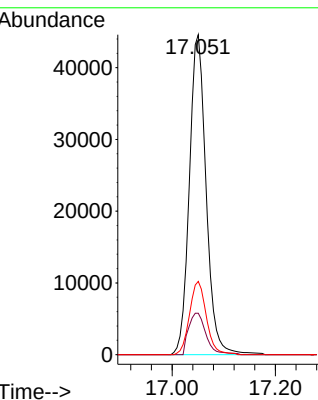
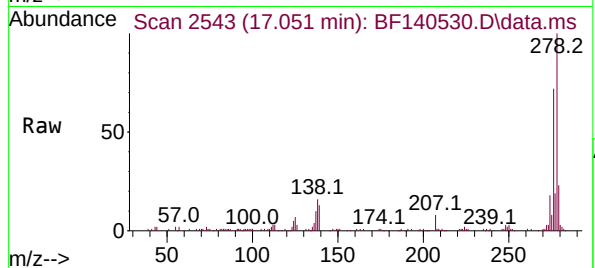
279 22.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#92

Benzo(g,h,i)perylene

Concen: 10.010 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.018 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

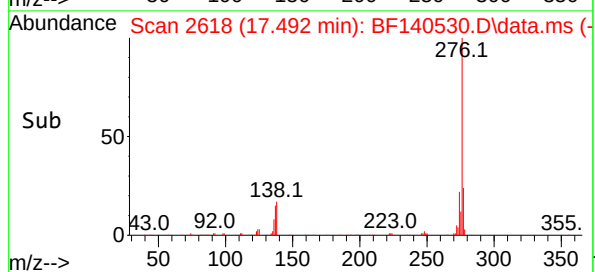
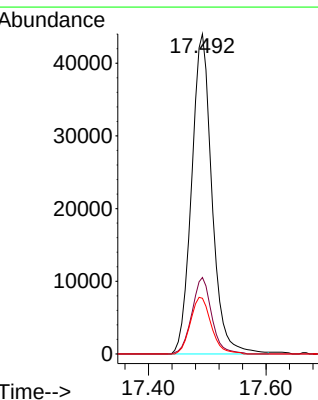
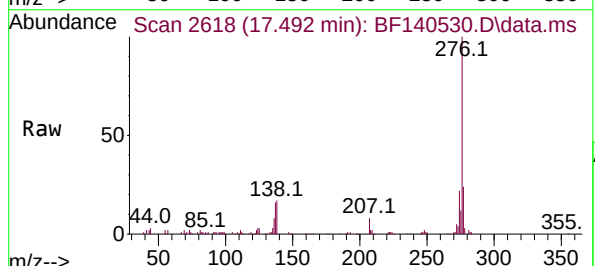
Tgt Ion:276 Resp: 105771

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 17.4 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140531.D
 Acq On : 21 Nov 2024 12:32
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:11:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	99570	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	364692	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	198805	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	382041	20.000	ng	0.00
76) Chrysene-d12	14.051	240	225903	20.000	ng	0.00
86) Perylene-d12	15.533	264	173612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	239365	41.017	ng	0.00
7) Phenol-d6	6.510	99	310375	40.230	ng	0.00
23) Nitrobenzene-d5	7.434	82	288201	40.422	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	87426	41.118	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	565607	42.389	ng	0.00
79) Terphenyl-d14	12.986	244	590771	40.721	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	57318	23.361	ng	98
3) Pyridine	3.422	79	111651	20.682	ng	98
4) n-Nitrosodimethylamine	3.357	42	65851	20.754	ng	95
6) Aniline	6.534	93	112828	20.778	ng	88
8) 2-Chlorophenol	6.663	128	127220	20.263	ng	96
9) Benzaldehyde	6.422	77	96584	23.648	ng	97
10) Phenol	6.522	94	161262	20.467	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	120837	20.042	ng	100
12) 1,3-Dichlorobenzene	6.816	146	142704	20.228	ng	99
13) 1,4-Dichlorobenzene	6.893	146	144955	20.293	ng	100
14) 1,2-Dichlorobenzene	7.045	146	136939	20.459	ng	99
15) Benzyl Alcohol	7.010	79	115602	20.205	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	142742	20.040	ng	81
17) 2-Methylphenol	7.128	107	102895	20.473	ng	94
18) Hexachloroethane	7.381	117	54624	20.475	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	91173	19.996	ng	97
20) 3+4-Methylphenols	7.281	107	129954	20.117	ng	94
22) Acetophenone	7.281	105	180222	20.270	ng	100
24) Nitrobenzene	7.451	77	148986	20.218	ng	100
25) Isophorone	7.687	82	239713	20.158	ng	98
26) 2-Nitrophenol	7.769	139	67593	20.699	ng	100
27) 2,4-Dimethylphenol	7.804	122	77504	19.836	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	146899	20.277	ng	100
29) 2,4-Dichlorophenol	8.016	162	105906	20.456	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	120949	20.461	ng	100
31) Naphthalene	8.175	128	387236	20.614	ng	99
32) Benzoic acid	7.904	122	45935	18.678	ng	99
33) 4-Chloroaniline	8.222	127	112719	20.042	ng	100
34) Hexachlorobutadiene	8.287	225	79980	20.427	ng	99
35) Caprolactam	8.581	113	33020	20.609	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	115782	19.974	ng	98
37) 2-Methylnaphthalene	8.863	142	243949	20.446	ng	99
38) 1-Methylnaphthalene	8.963	142	240502	20.564	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	120444	20.695	ng	100
41) Hexachlorocyclopentadiene	9.016	237	17909	19.734	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	74538	20.410	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140531.D
 Acq On : 21 Nov 2024 12:32
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:11:39 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 14:50:10 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	81588	20.585	ng	98
46) 1,1'-Biphenyl	9.328	154	310749	20.936	ng	100
47) 2-Chloronaphthalene	9.357	162	231066	20.545	ng	99
48) 2-Nitroaniline	9.451	65	75343	20.871	ng	99
49) Acenaphthylene	9.769	152	359483	21.155	ng	100
50) Dimethylphthalate	9.628	163	267629	20.440	ng	99
51) 2,6-Dinitrotoluene	9.692	165	61076	20.568	ng	97
52) Acenaphthene	9.945	154	225540m	20.497	ng	
53) 3-Nitroaniline	9.863	138	61362	21.128	ng	96
54) 2,4-Dinitrophenol	9.975	184	17628	18.164	ng	98
55) Dibenzofuran	10.116	168	345729	20.992	ng	100
56) 4-Nitrophenol	10.034	139	38787	19.582	ng	97
57) 2,4-Dinitrotoluene	10.098	165	82706	20.957	ng	96
58) Fluorene	10.457	166	278115	21.038	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	61142	20.072	ng	98
60) Diethylphthalate	10.328	149	276859	20.812	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	136189	20.992	ng	98
62) 4-Nitroaniline	10.475	138	62610	20.555	ng	99
63) Azobenzene	10.610	77	262444	20.833	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	34412	17.627	ng	97
66) n-Nitrosodiphenylamine	10.569	169	228075	20.187	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	78863	20.044	ng	98
68) Hexachlorobenzene	11.010	284	91363	20.055	ng	97
69) Atrazine	11.092	200	50070	15.754	ng	99
70) Pentachlorophenol	11.210	266	34309	17.111	ng	97
71) Phenanthrene	11.428	178	370424	20.171	ng	99
72) Anthracene	11.475	178	366152	20.383	ng	100
73) Carbazole	11.633	167	355423	20.567	ng	99
74) Di-n-butylphthalate	11.957	149	410317	20.566	ng	99
75) Fluoranthene	12.616	202	425403	21.335	ng	99
77) Benzidine	12.739	184	66895	10.185	ng	99
78) Pyrene	12.845	202	428479	20.514	ng	99
80) Butylbenzylphthalate	13.457	149	156775	20.835	ng	96
81) Benzo(a)anthracene	14.039	228	311416	20.825	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	88858	19.791	ng	98
83) Chrysene	14.074	228	275068	20.117	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	194626	20.484	ng	100
85) Di-n-octyl phthalate	14.633	149	259088	19.953	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	225489	19.930	ng	100
88) Benzo(b)fluoranthene	15.098	252	239653	21.977	ng	99
89) Benzo(k)fluoranthene	15.127	252	183799	19.261	ng	99
90) Benzo(a)pyrene	15.474	252	184528	20.812	ng	98
91) Dibenzo(a,h)anthracene	17.051	278	184632	19.926	ng	99
92) Benzo(g,h,i)perylene	17.492	276	187164	19.795	ng	98

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

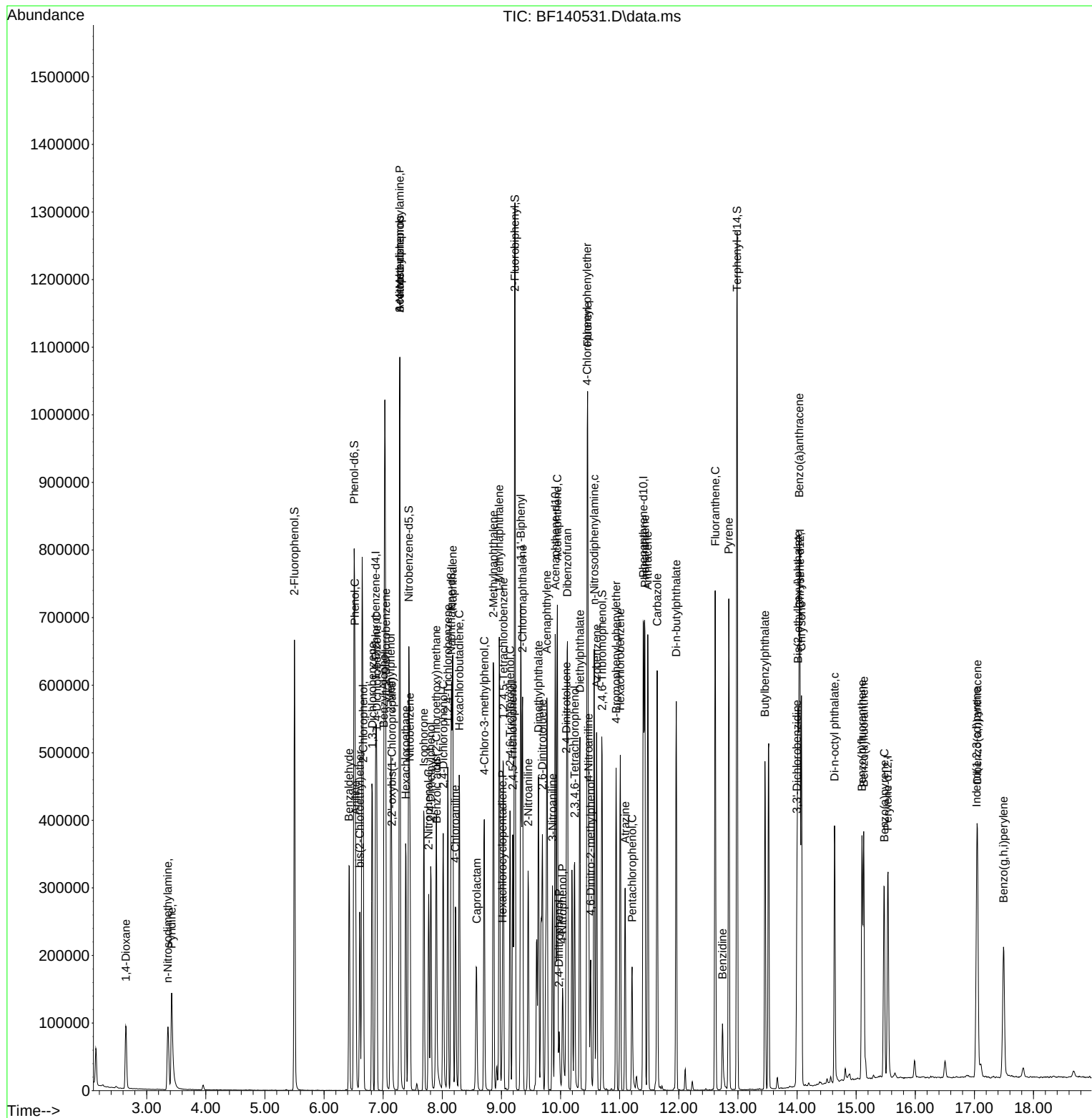
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Data File : BF140531.D
Acq On : 21 Nov 2024 12:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

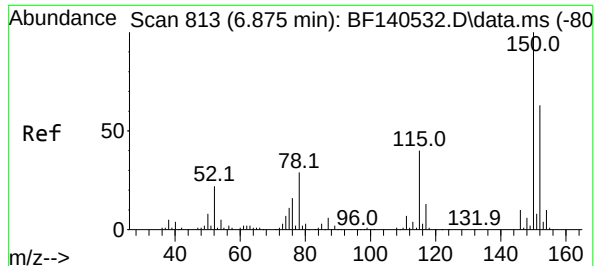
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

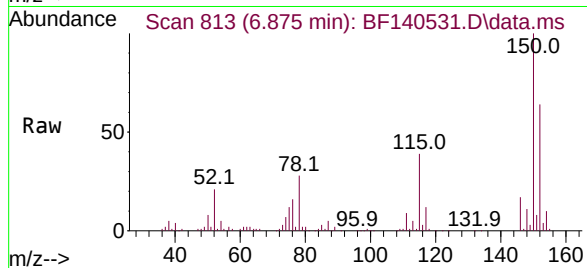
Quant Time: Nov 21 15:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

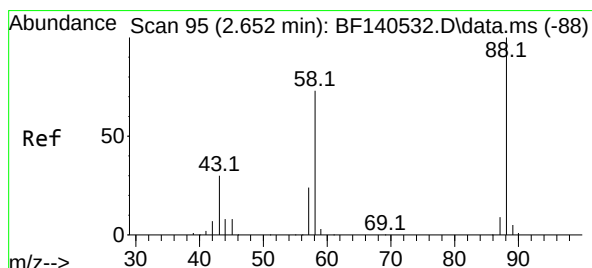
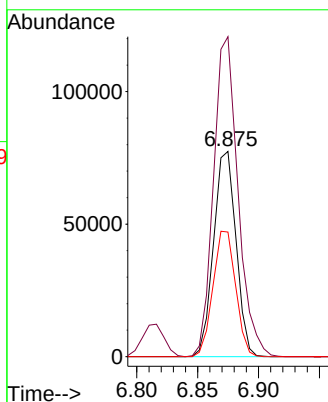
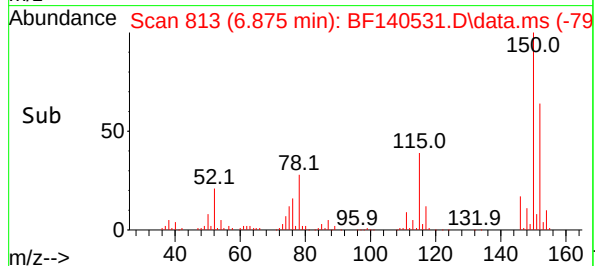
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 99570
Ion Ratio Lower Upper
152 100
150 155.8 128.5 192.7
115 60.7 50.2 75.4

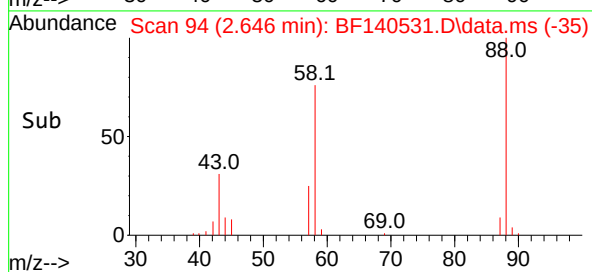
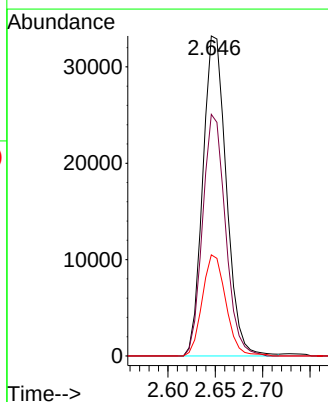
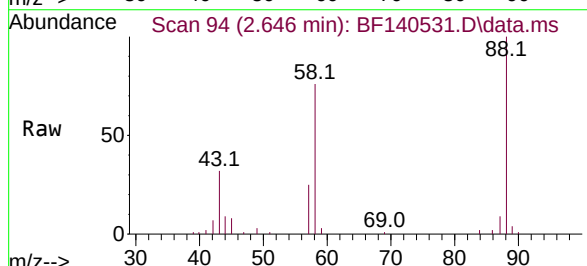
Manual Integrations
APPROVED

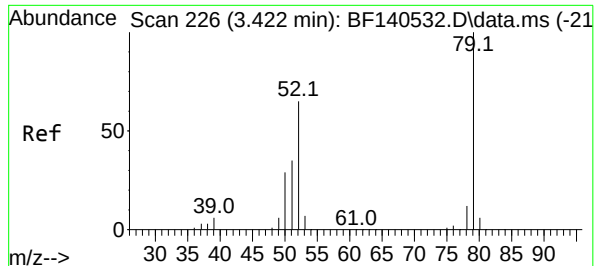
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 23.361 ng
RT: 2.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion: 88 Resp: 57318
Ion Ratio Lower Upper
88 100
58 73.3 57.4 86.2
43 31.6 24.3 36.5





#3

Pyridine

Concen: 20.682 ng

RT: 3.422 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 11165

Ion Ratio Lower Upper

79 100

52 66.7 52.1 78.1

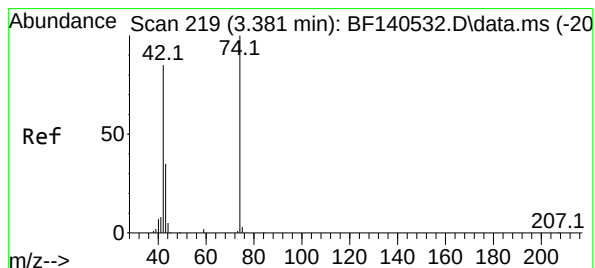
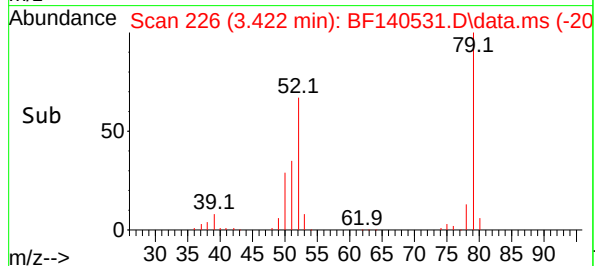
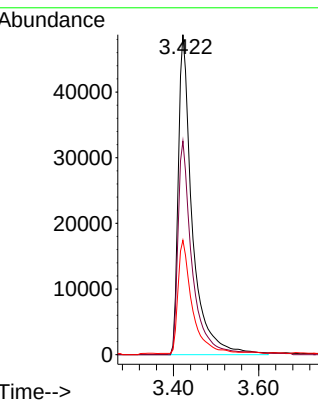
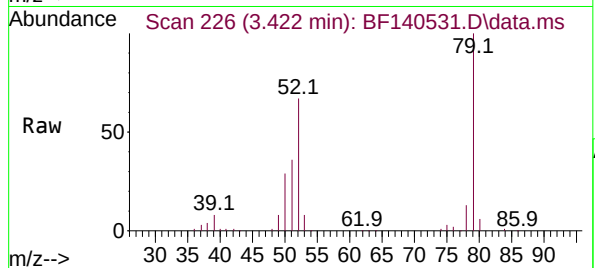
51 35.8 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 20.754 ng

RT: 3.357 min Scan# 215

Delta R.T. -0.023 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

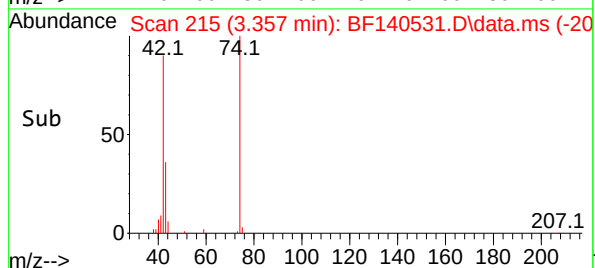
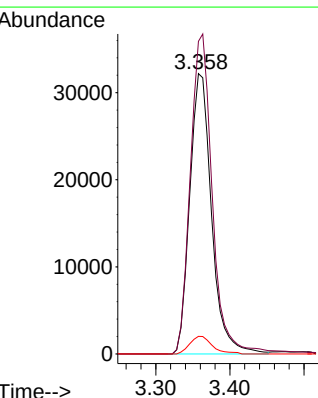
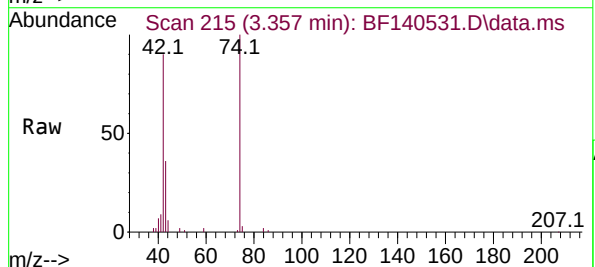
Tgt Ion: 42 Resp: 65851

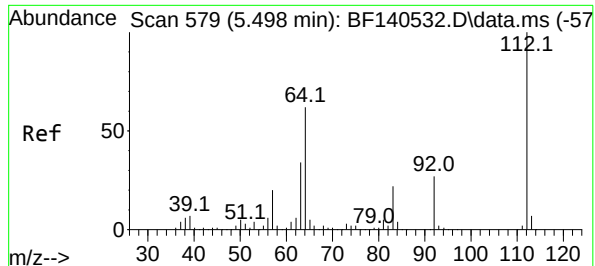
Ion Ratio Lower Upper

42 100

74 111.5 93.8 140.6

44 6.3 4.6 6.8





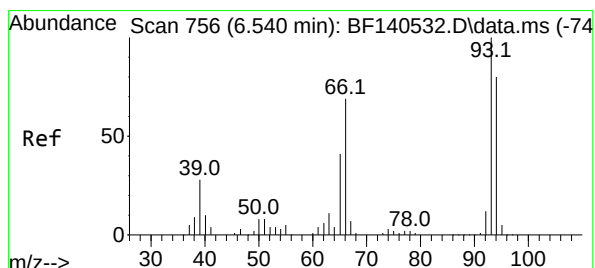
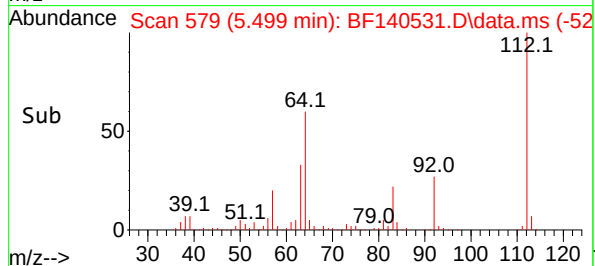
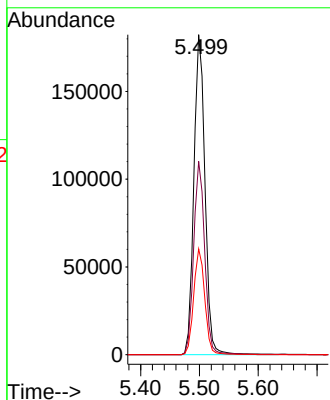
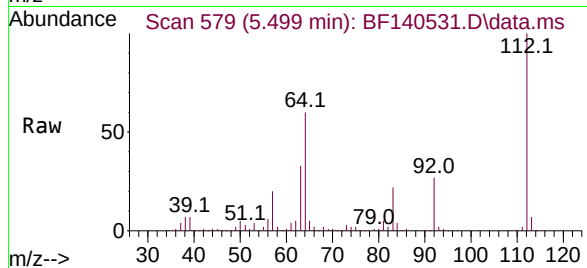
#5
2-Fluorophenol
Concen: 41.017 ng
RT: 5.499 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 23936
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 33.0 27.0 40.4

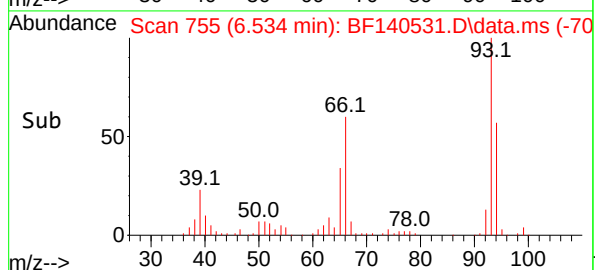
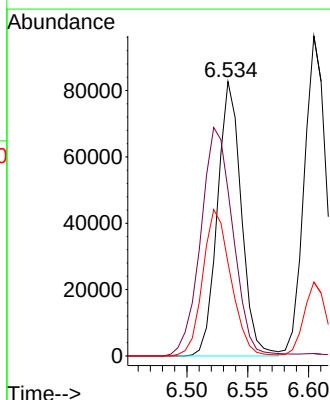
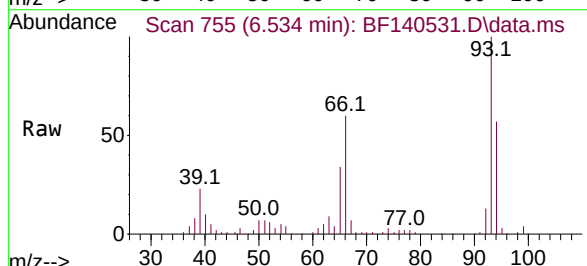
Manual Integrations
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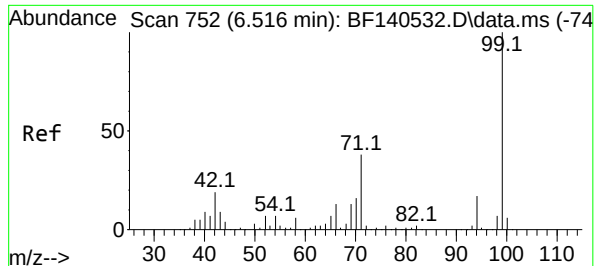
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#6
Aniline
Concen: 20.778 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

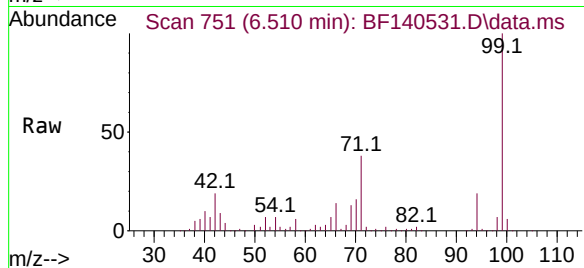
Tgt Ion: 93 Resp: 112828
Ion Ratio Lower Upper
93 100
66 60.4 56.5 84.7
65 34.0 32.9 49.3





#7
Phenol-d6
Concen: 40.230 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

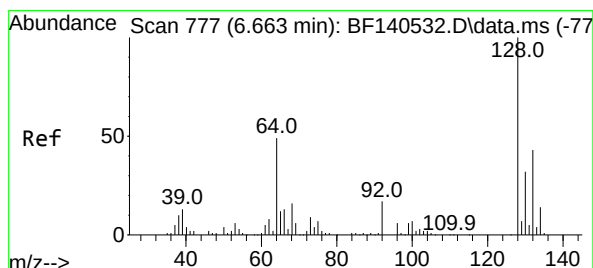
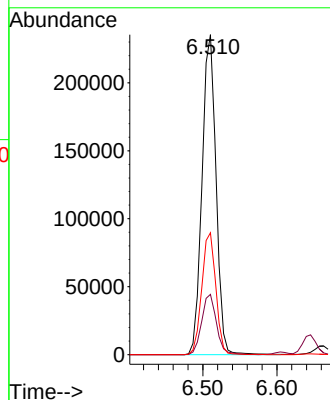
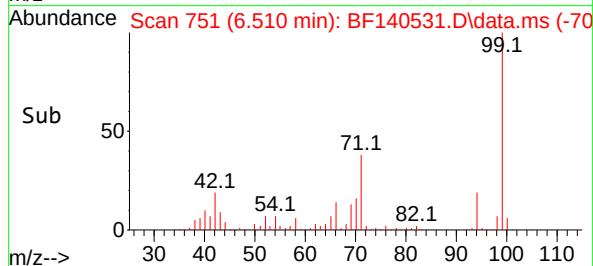
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 99 Resp: 310375
Ion Ratio Lower Upper
99 100
42 18.8 15.4 23.0
71 38.1 30.6 46.0

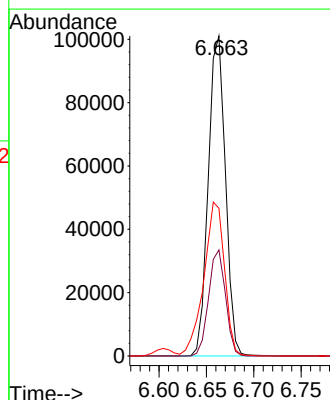
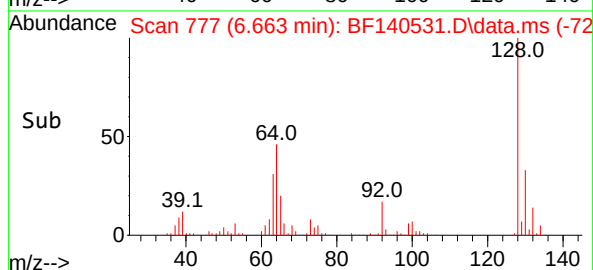
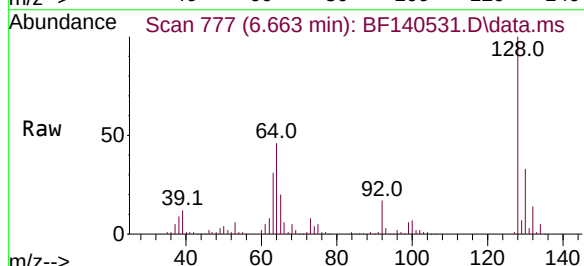
Manual Integrations
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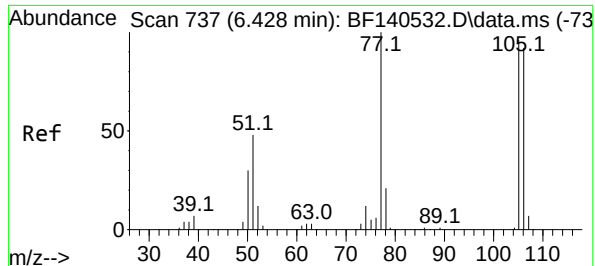
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#8
2-Chlorophenol
Concen: 20.263 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:128 Resp: 127220
Ion Ratio Lower Upper
128 100
130 33.2 12.3 52.3
64 46.2 30.2 70.2





#9

Benzaldehyde

Concen: 23.648 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

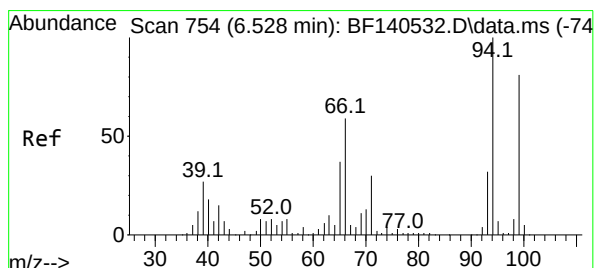
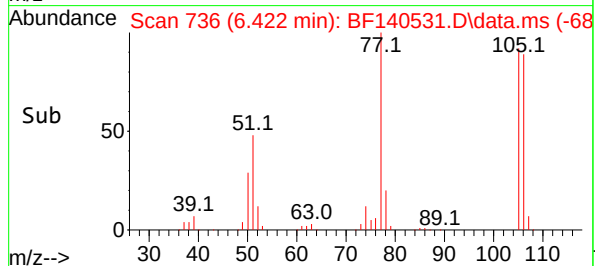
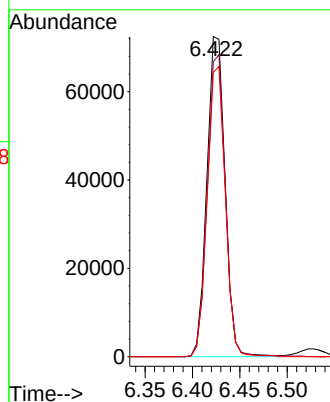
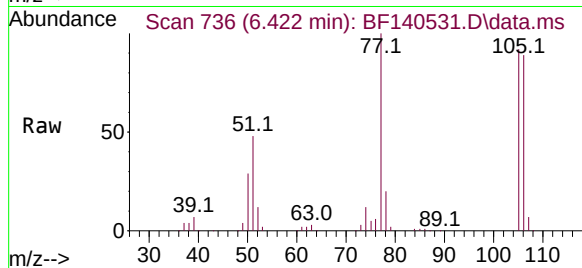
SSTDICC020

Tgt Ion:	77	Resp:	96584
Ion	Ratio	Lower	Upper
77	100		
105	92.1	75.6	115.6
106	88.8	72.0	112.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 20.467 ng

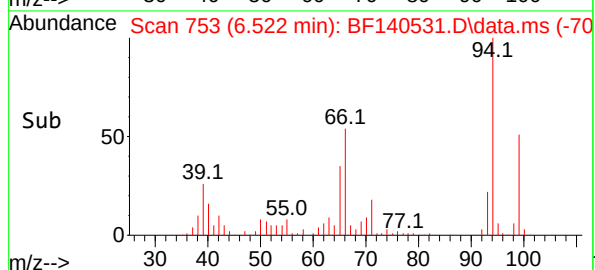
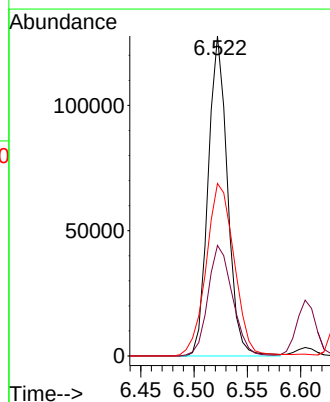
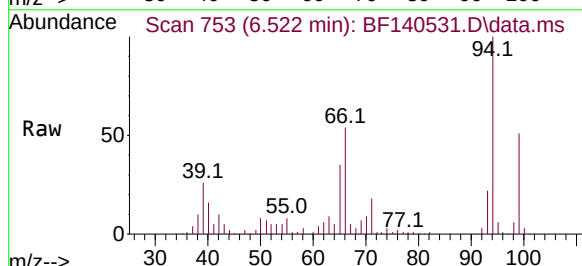
RT: 6.522 min Scan# 753

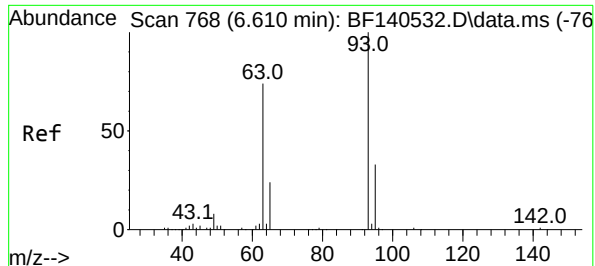
Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion:	94	Resp:	161262
Ion	Ratio	Lower	Upper
94	100		
65	34.6	17.2	57.2
66	53.9	39.2	79.2





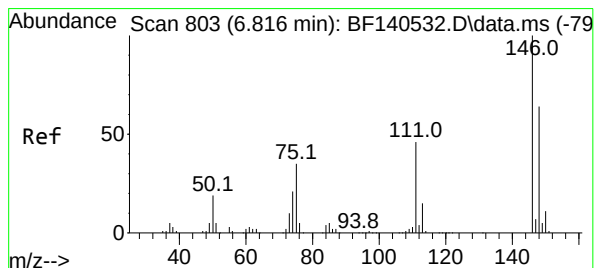
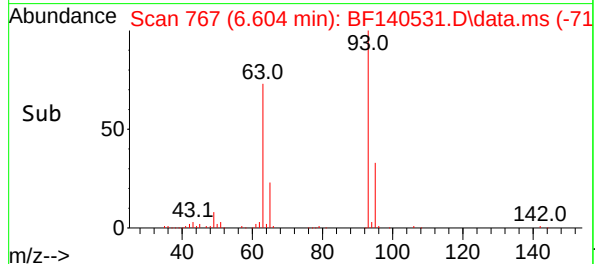
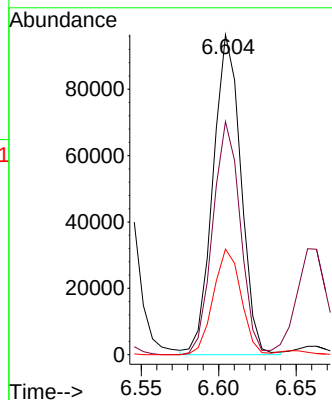
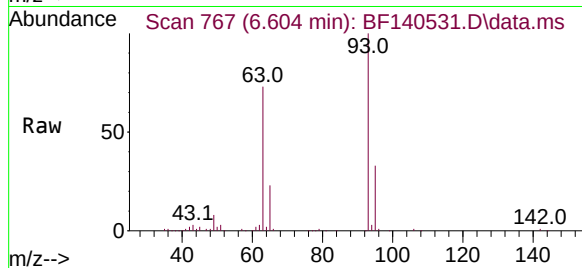
#11
bis(2-Chloroethyl)ether
Concen: 20.042 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 12083
Ion Ratio Lower Upper
93 100
63 72.9 52.8 92.8
95 33.0 12.3 52.3

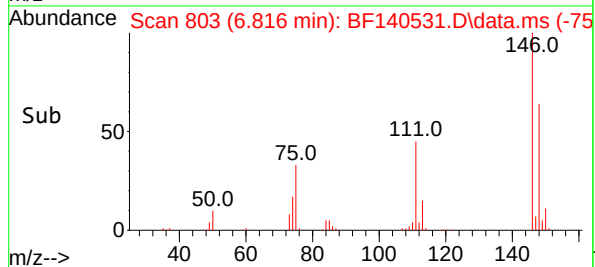
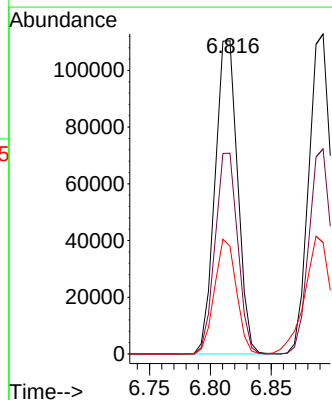
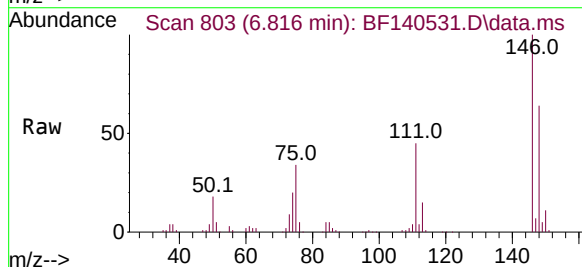
Manual Integrations
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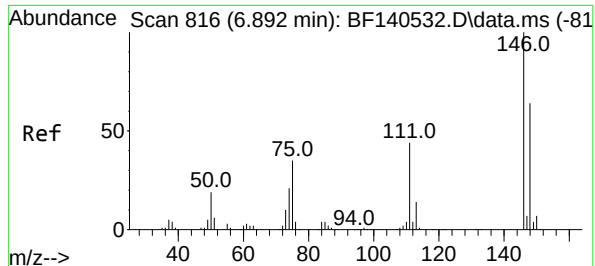
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#12
1,3-Dichlorobenzene
Concen: 20.228 ng
RT: 6.816 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:146 Resp: 142704
Ion Ratio Lower Upper
146 100
148 64.2 51.3 76.9
75 34.4 28.2 42.2





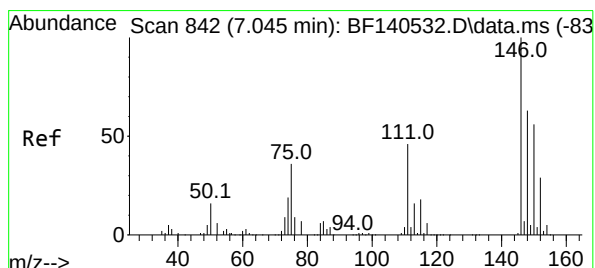
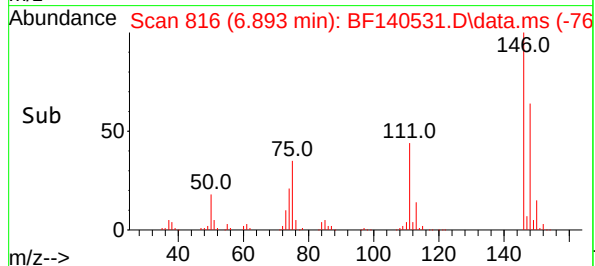
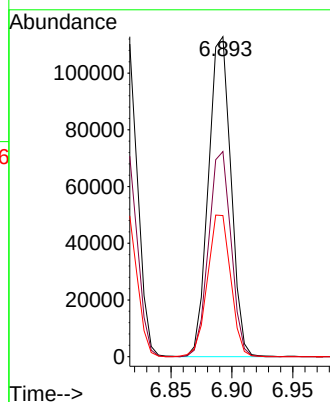
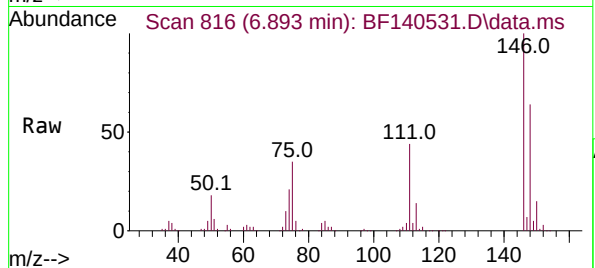
#13
1,4-Dichlorobenzene
Concen: 20.293 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 14495
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
111 44.1 35.3 52.9

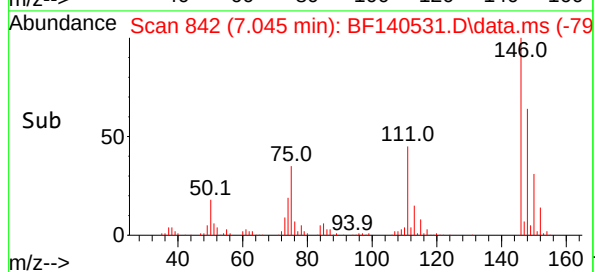
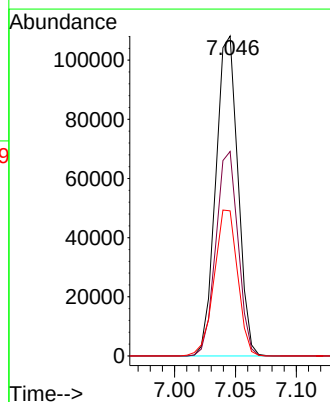
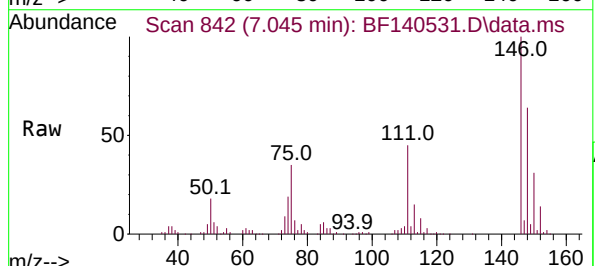
Manual Integrations
APPROVED

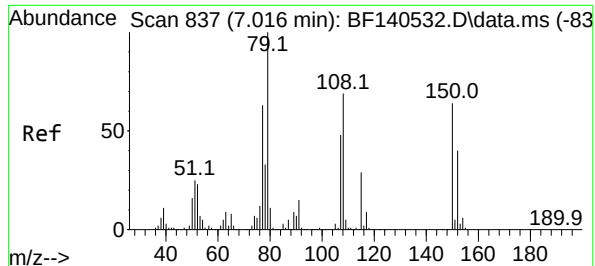
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#14
1,2-Dichlorobenzene
Concen: 20.459 ng
RT: 7.045 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:146 Resp: 136939
Ion Ratio Lower Upper
146 100
148 63.9 50.5 75.7
111 45.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 20.205 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 115602

Ion Ratio Lower Upper

79 100

108 69.8 55.0 82.6

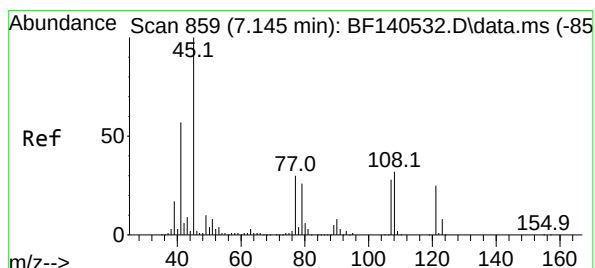
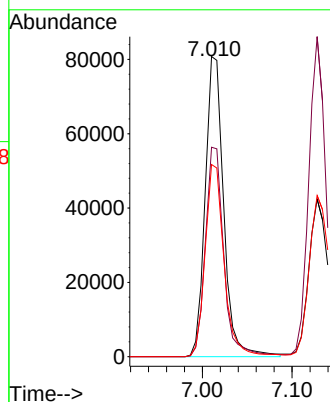
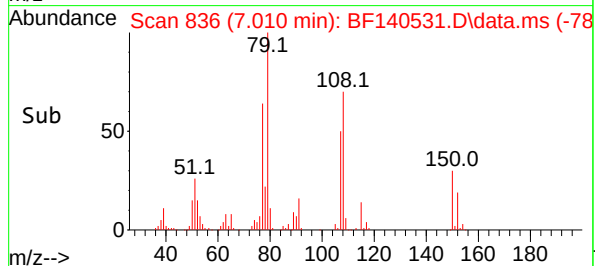
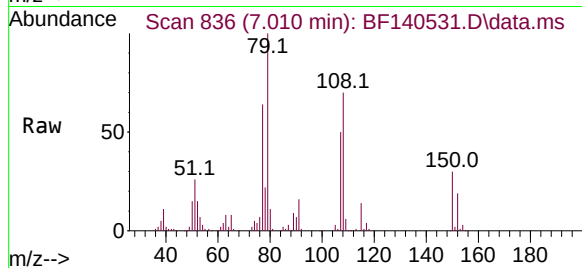
77 64.0 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.040 ng

RT: 7.146 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

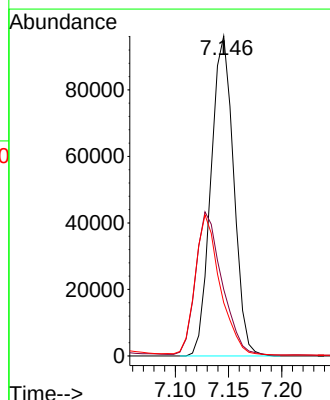
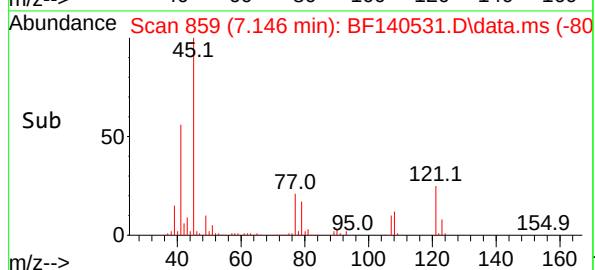
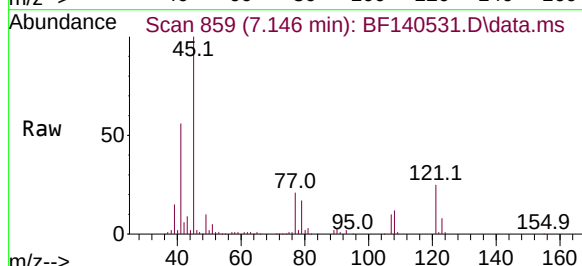
Tgt Ion: 45 Resp: 142742

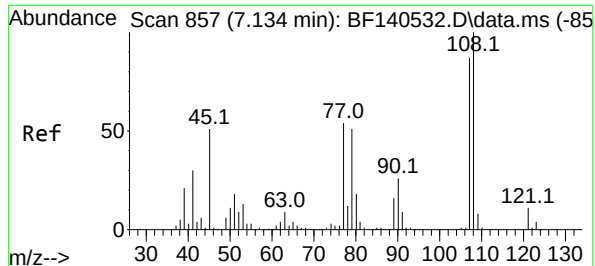
Ion Ratio Lower Upper

45 100

77 20.8 10.7 50.7

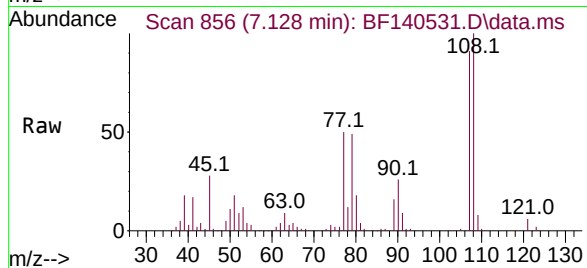
79 16.6 7.0 47.0





#17
2-Methylphenol
Concen: 20.473 ng
RT: 7.128 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

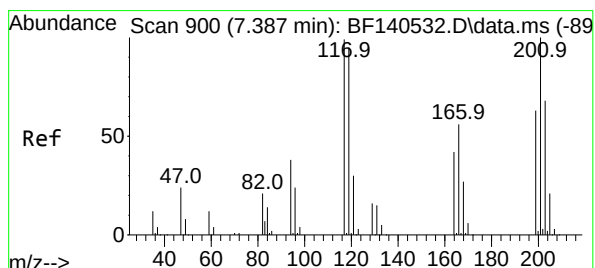
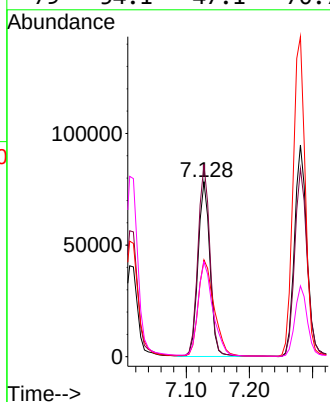
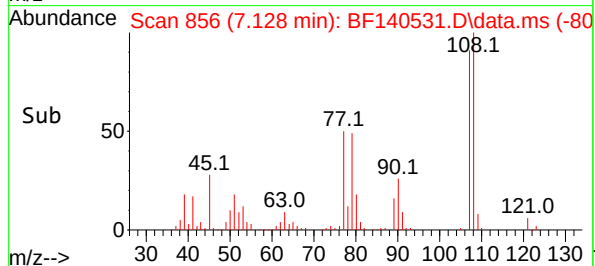
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 102895
Ion Ratio Lower Upper
107 100
108 109.8 91.7 137.5
77 55.3 49.3 73.9
79 54.1 47.1 70.7

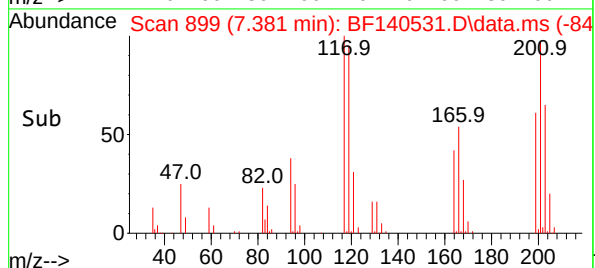
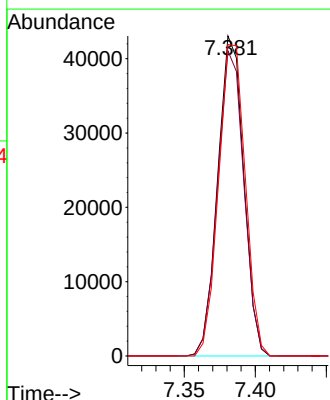
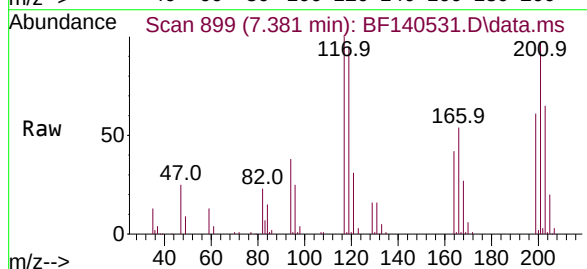
Manual Integrations
APPROVED

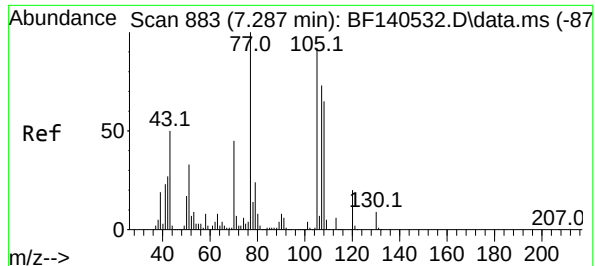
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#18
Hexachloroethane
Concen: 20.475 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:117 Resp: 54624
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7
201 97.3 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 19.996 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 9117

Ion Ratio Lower Upper

70 100

42 56.8 47.6 71.4

101 9.8 7.6 11.4

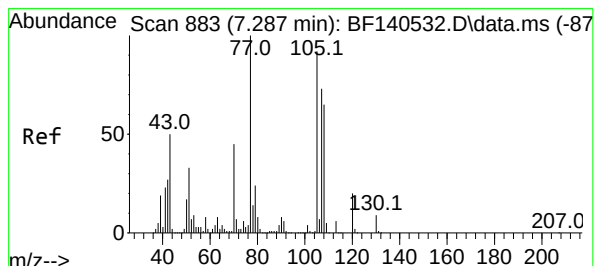
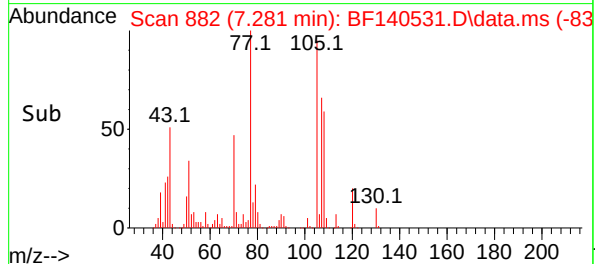
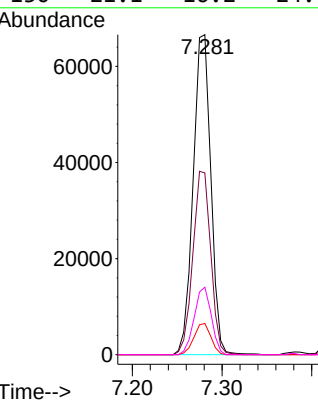
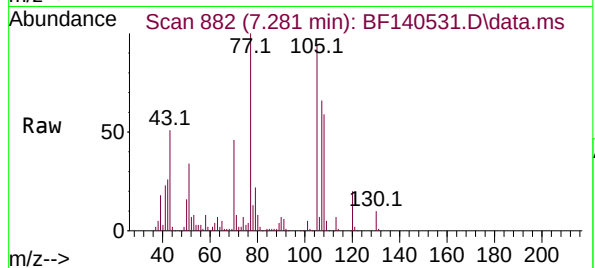
130 21.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 20.117 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion:107 Resp: 129954

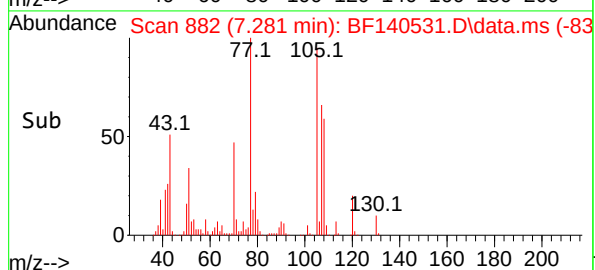
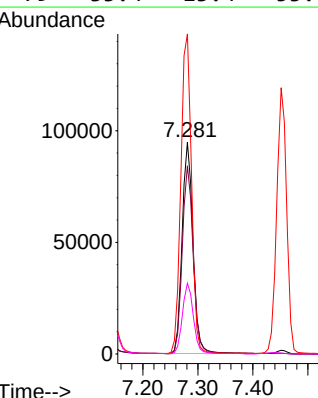
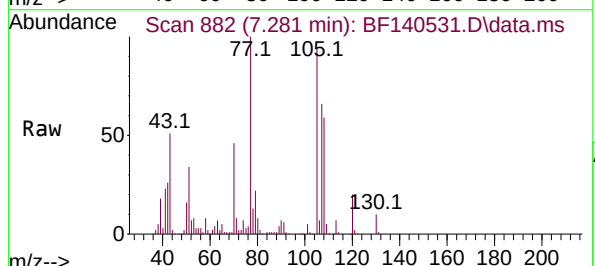
Ion Ratio Lower Upper

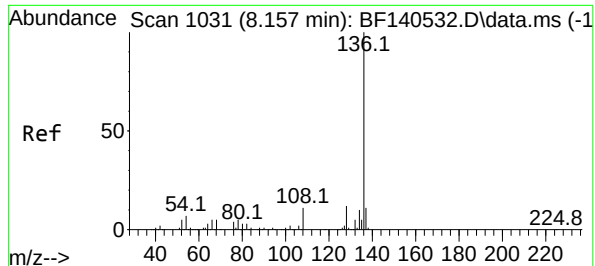
107 100

108 88.9 69.9 109.9

77 151.1 117.7 157.7

79 33.4 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 364692

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.2 5.8 8.8

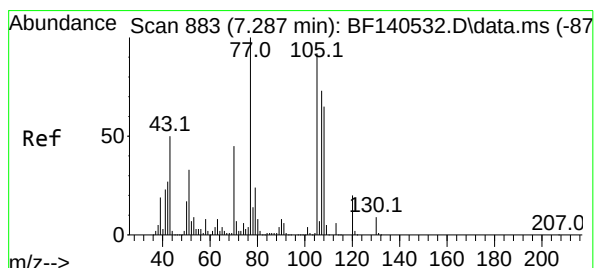
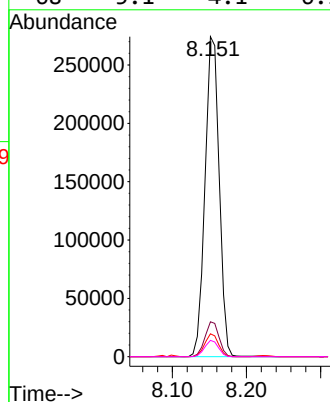
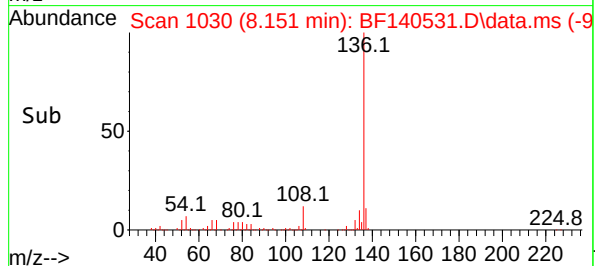
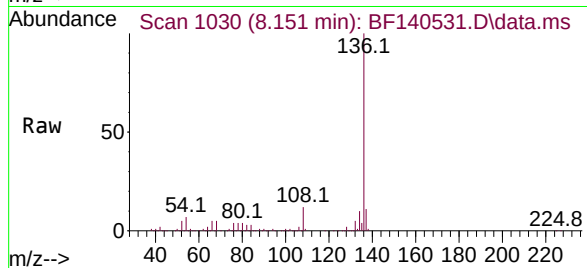
68 5.1 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#22

Acetophenone

Concen: 20.270 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion:105 Resp: 180222

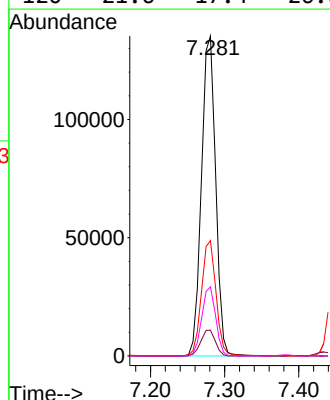
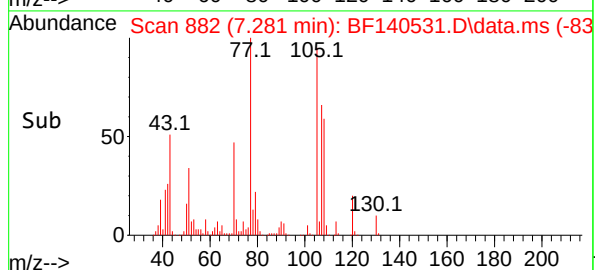
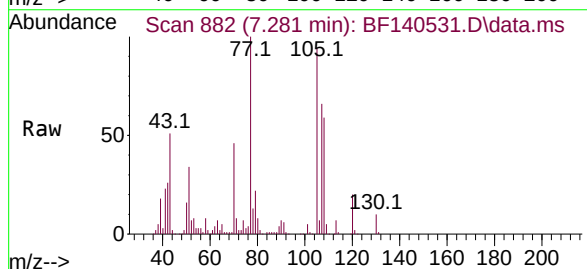
Ion Ratio Lower Upper

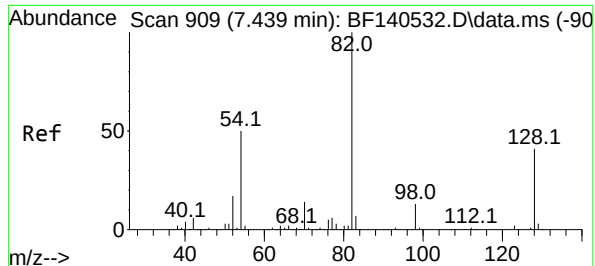
105 100

71 8.1 6.2 9.2

51 36.1 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 40.422 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 28820

Ion Ratio Lower Upper

82 100

128 41.4 33.0 49.4

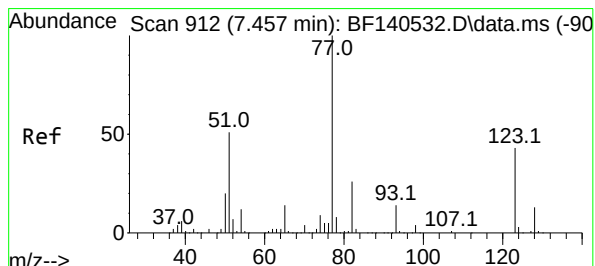
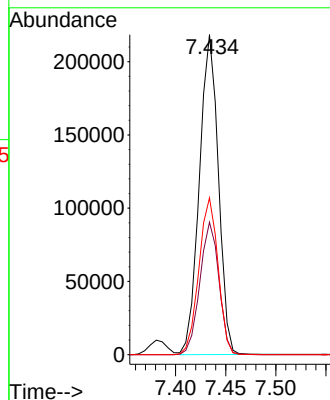
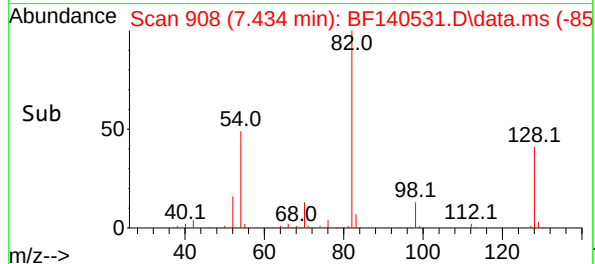
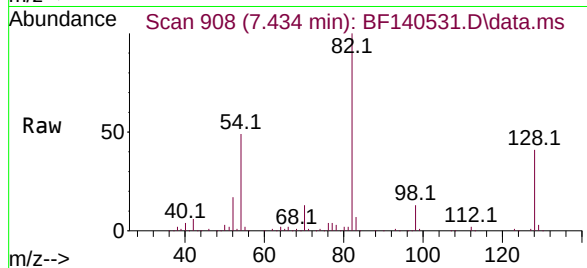
54 49.0 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 20.218 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

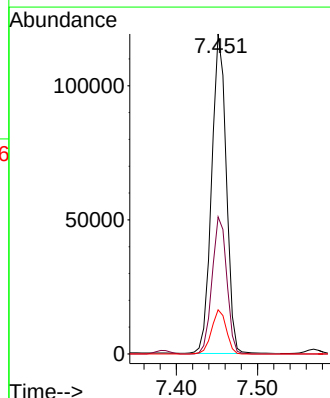
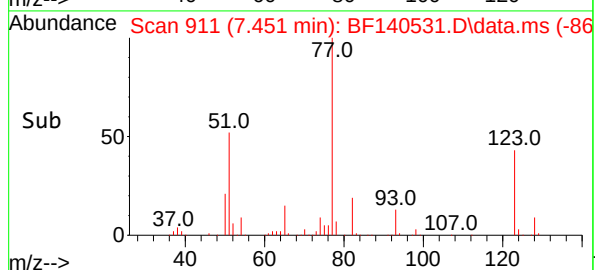
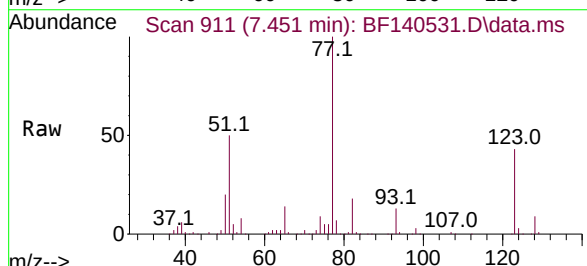
Tgt Ion: 77 Resp: 148986

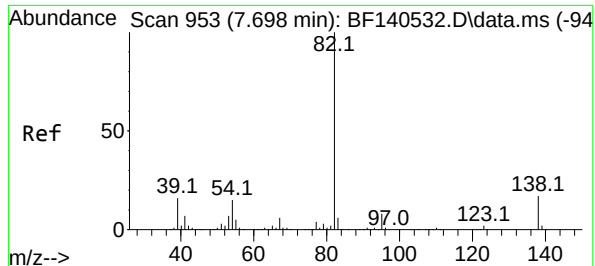
Ion Ratio Lower Upper

77 100

123 42.9 34.3 51.5

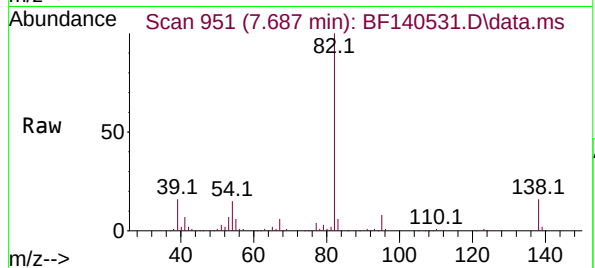
65 13.8 11.2 16.8





#25
Isophorone
Concen: 20.158 ng
RT: 7.687 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

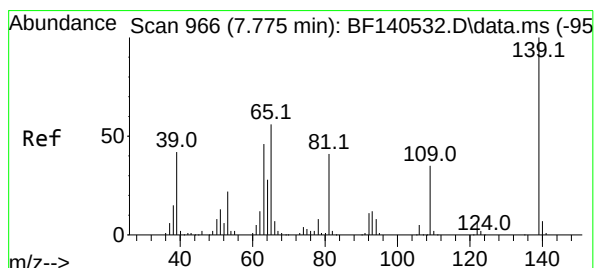
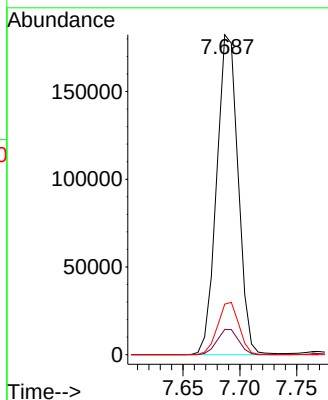
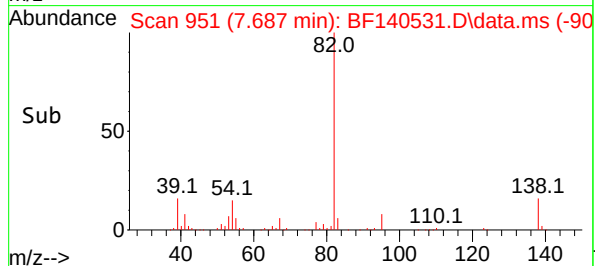
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 82 Resp: 23971
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 15.8 13.8 20.6

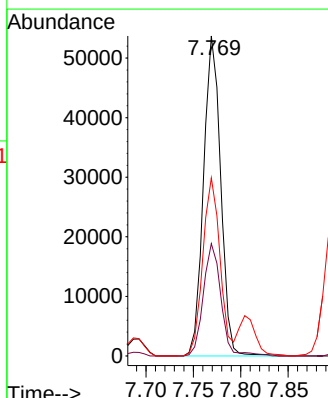
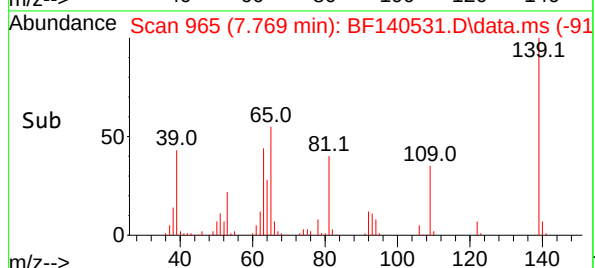
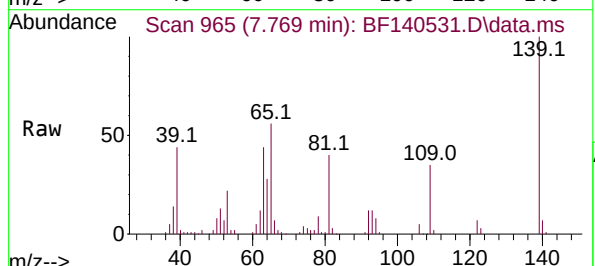
Manual Integrations
APPROVED

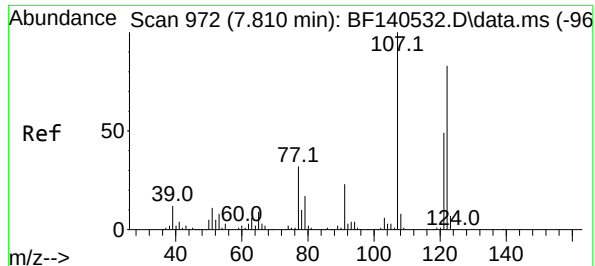
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#26
2-Nitrophenol
Concen: 20.699 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:139 Resp: 67593
Ion Ratio Lower Upper
139 100
109 35.1 28.0 42.0
65 55.6 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 19.836 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

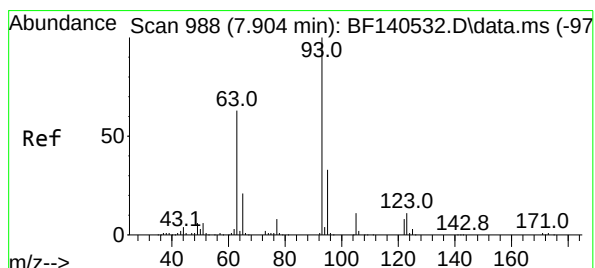
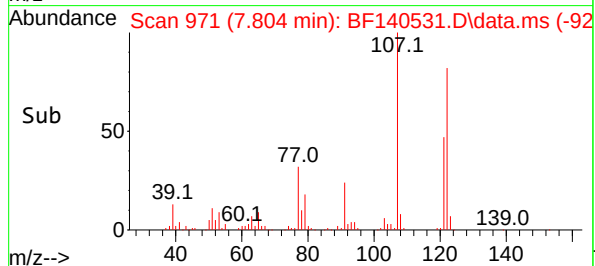
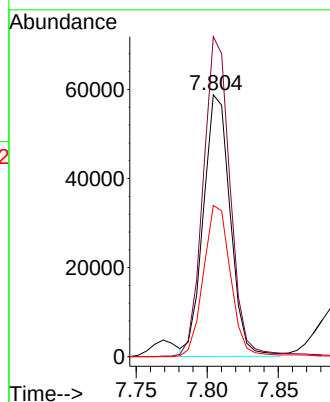
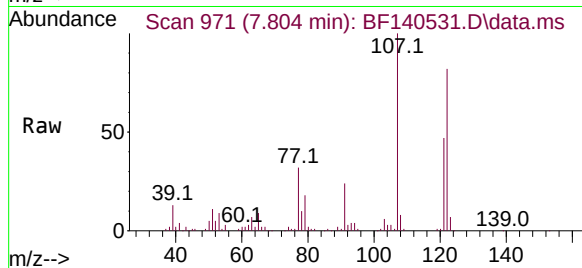
Tgt Ion:122 Resp: 77504

Ion	Ratio	Lower	Upper
122	100		
107	122.2	96.8	145.2
121	57.7	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 20.277 ng

RT: 7.898 min Scan# 987

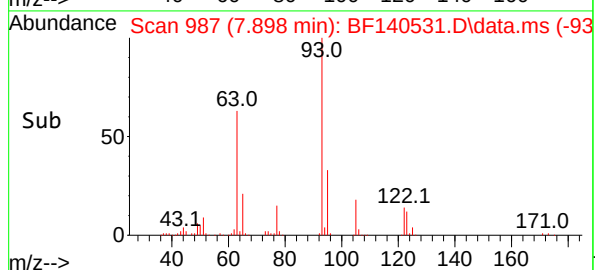
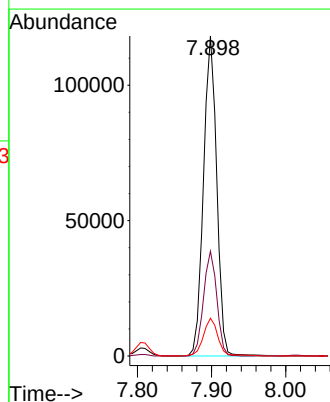
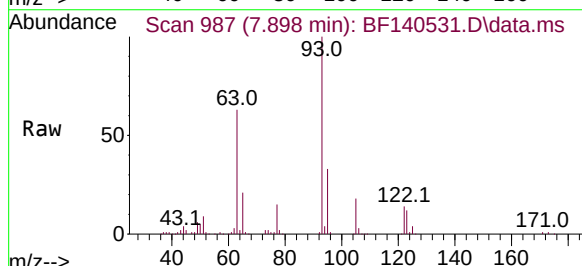
Delta R.T. -0.006 min

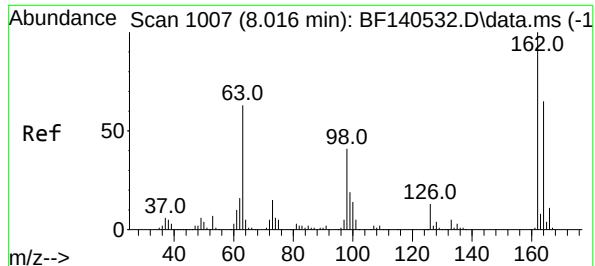
Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion: 93 Resp: 146899

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	11.8	9.1	13.7





#29
2,4-Dichlorophenol
Concen: 20.456 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

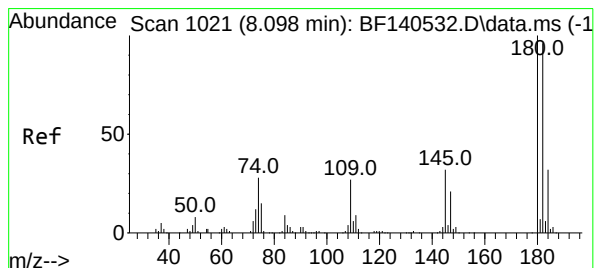
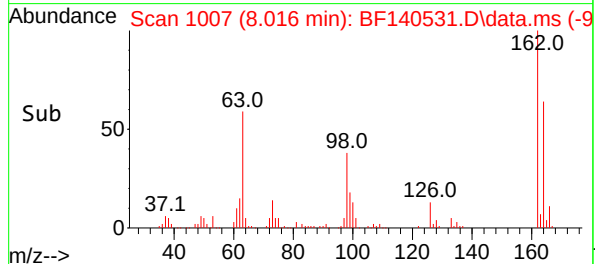
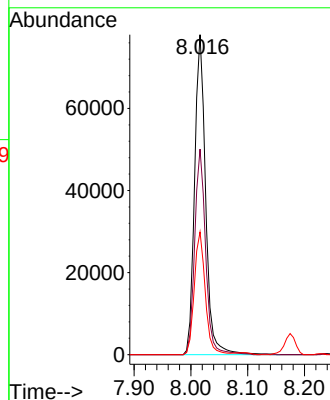
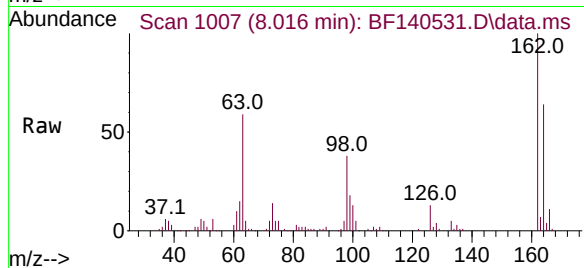
SSTDICC020

Tgt Ion:162 Resp: 105900
Ion Ratio Lower Upper
162 100
164 64.3 44.8 84.8
98 38.3 21.2 61.2

Manual Integrations

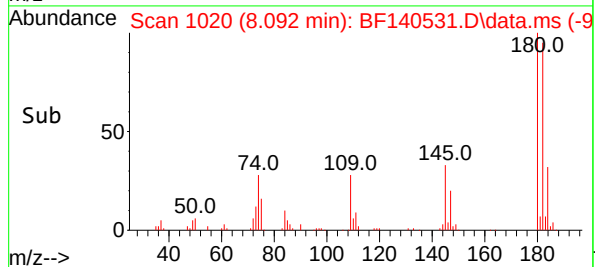
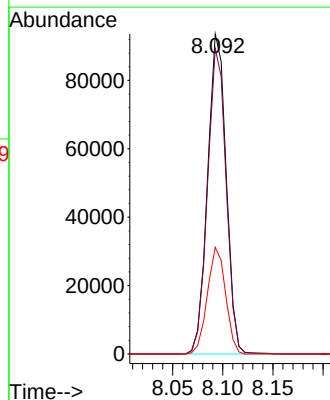
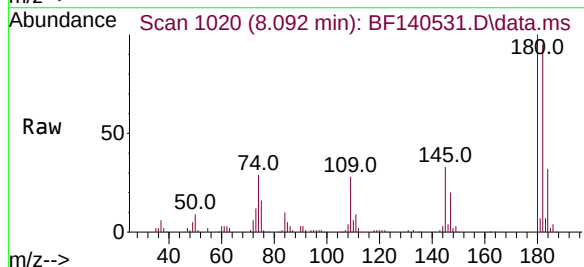
APPROVED

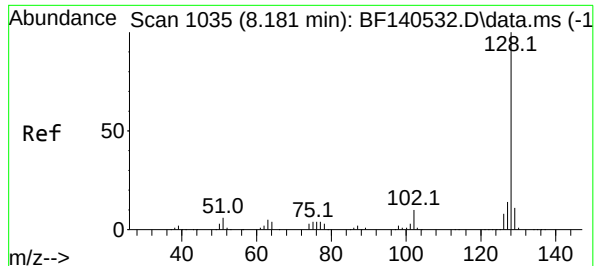
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#30
1,2,4-Trichlorobenzene
Concen: 20.461 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:180 Resp: 120949
Ion Ratio Lower Upper
180 100
182 95.4 76.4 114.6
145 33.3 25.9 38.9





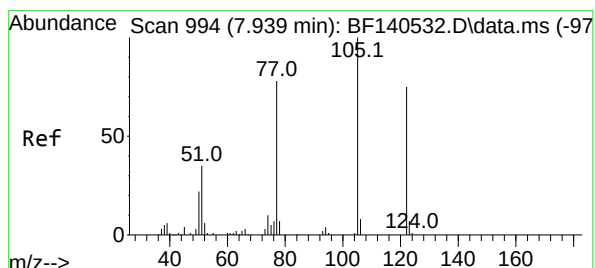
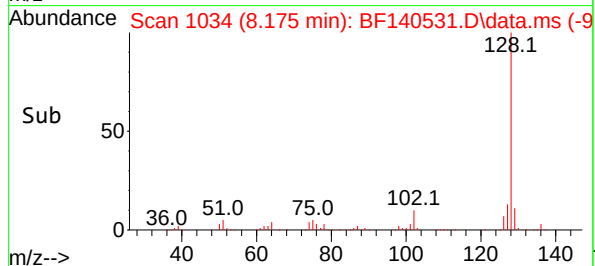
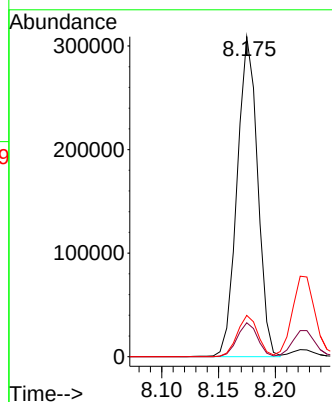
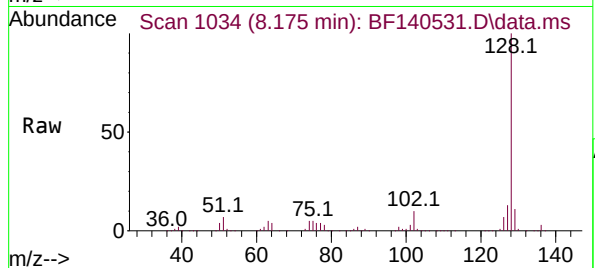
#31
Naphthalene
Concen: 20.614 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 387230
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.9 10.8 16.2

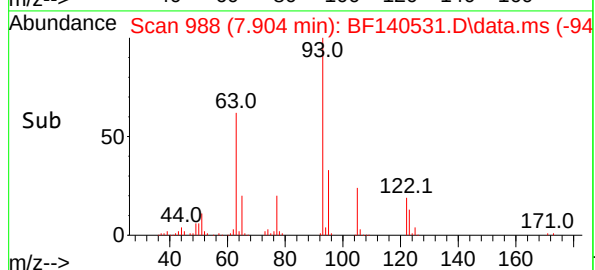
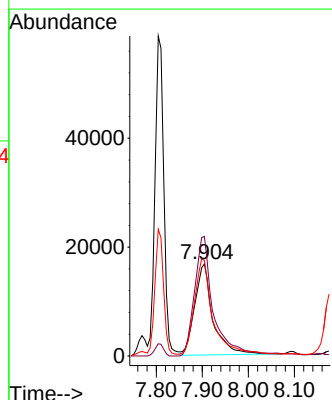
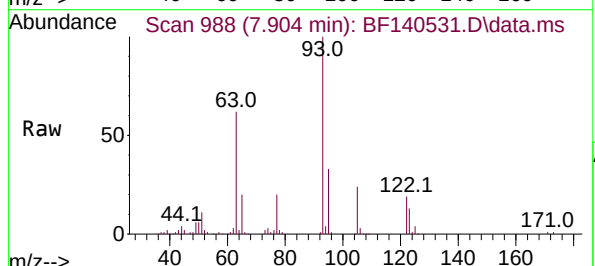
Manual Integrations
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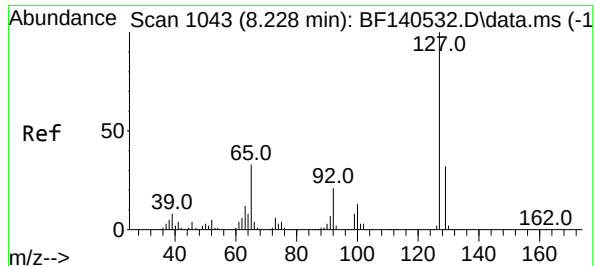
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#32
Benzoic acid
Concen: 18.678 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.035 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:122 Resp: 45935
Ion Ratio Lower Upper
122 100
105 129.6 109.3 149.3
77 103.8 82.3 122.3





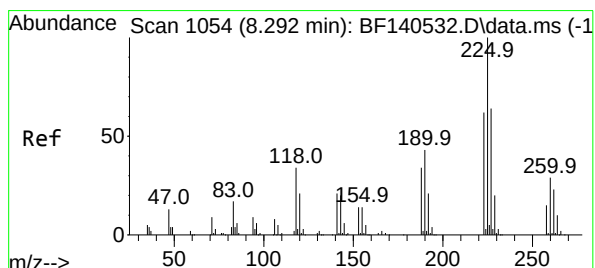
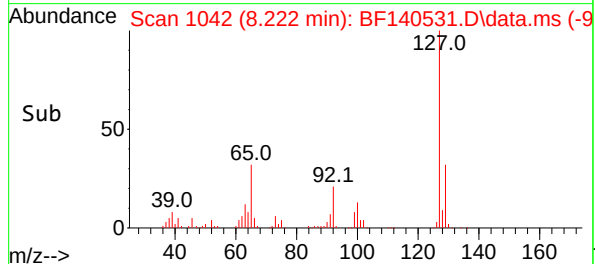
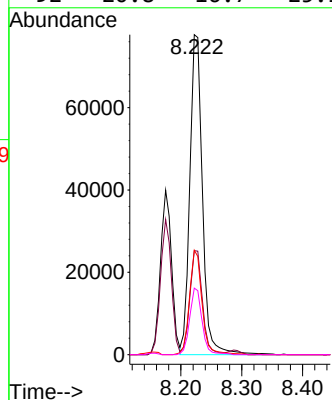
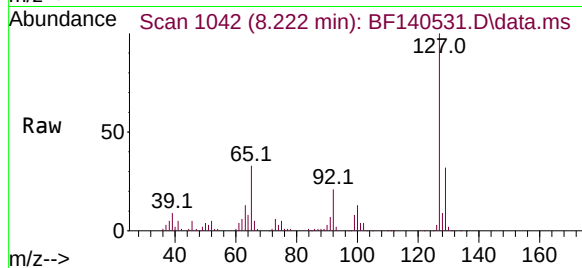
#33
4-Chloroaniline
Concen: 20.042 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 112719
Ion Ratio Lower Upper
127 100
129 32.5 26.0 39.0
65 32.6 26.0 39.0
92 20.8 16.7 25.1

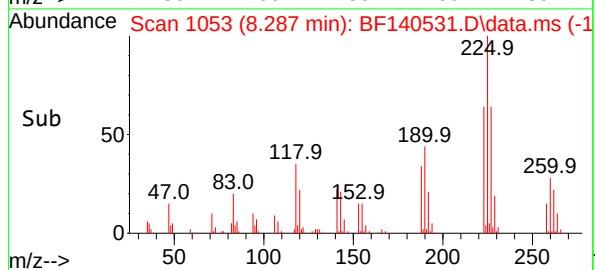
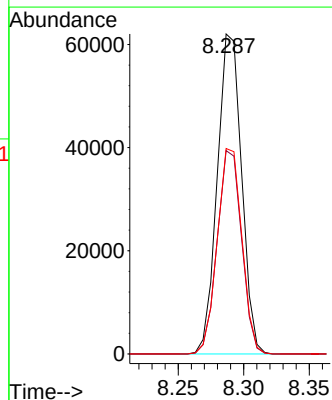
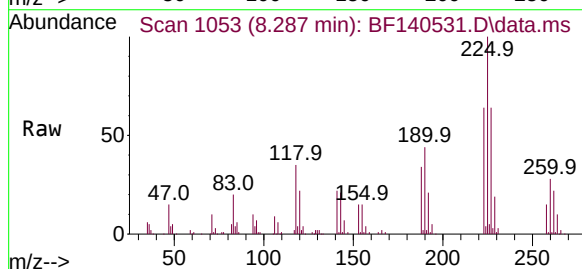
Manual Integrations
APPROVED

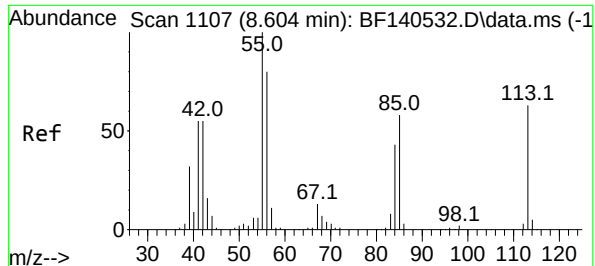
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#34
Hexachlorobutadiene
Concen: 20.427 ng
RT: 8.287 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:225 Resp: 79980
Ion Ratio Lower Upper
225 100
223 63.5 49.8 74.8
227 64.2 51.3 76.9





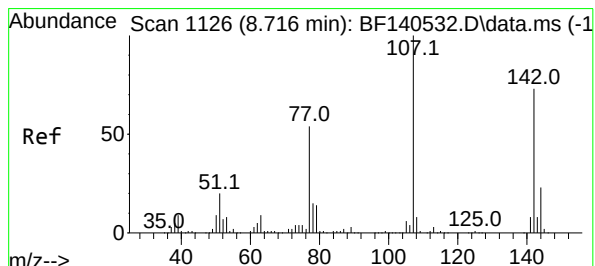
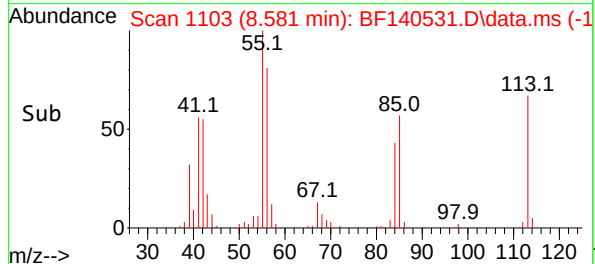
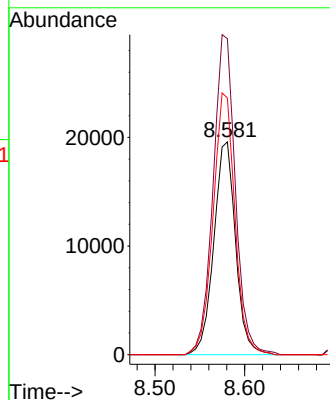
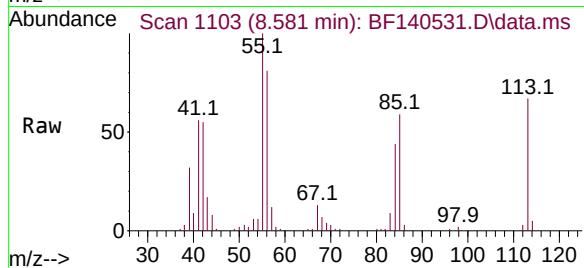
#35
Caprolactam
Concen: 20.609 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 33020
Ion Ratio Lower Upper
113 100
55 148.5 137.7 177.7
56 120.6 106.4 146.4

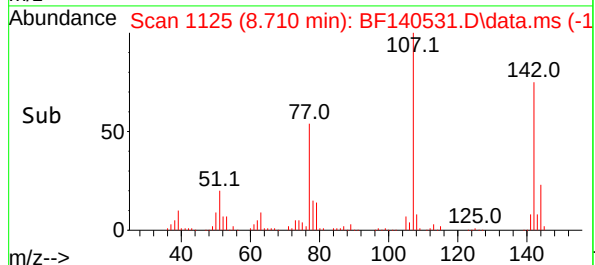
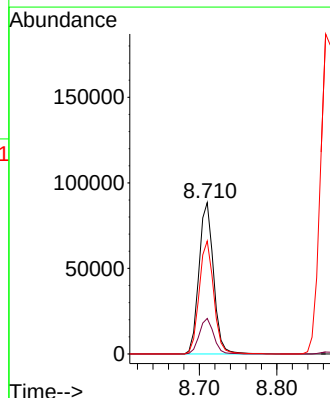
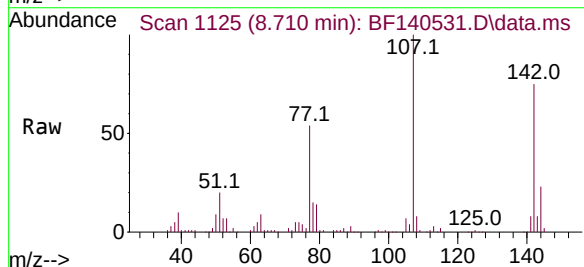
Manual Integrations
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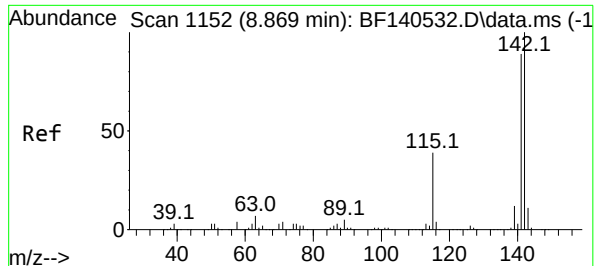
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#36
4-Chloro-3-methylphenol
Concen: 19.974 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

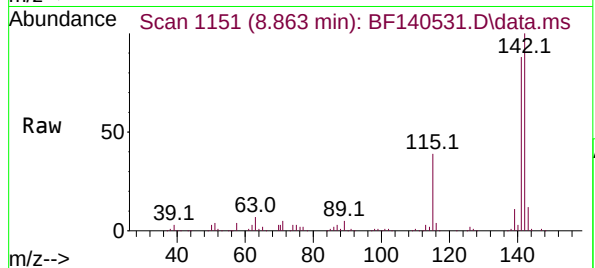
Tgt Ion:107 Resp: 115782
Ion Ratio Lower Upper
107 100
144 23.4 18.7 28.1
142 74.6 58.3 87.5





#37
2-Methylnaphthalene
Concen: 20.446 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

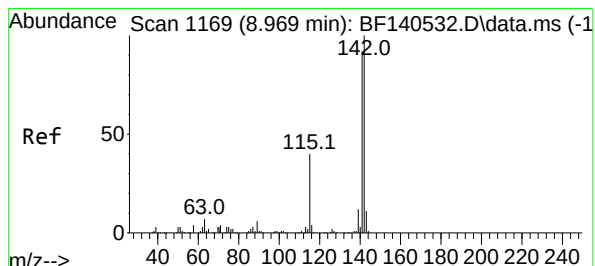
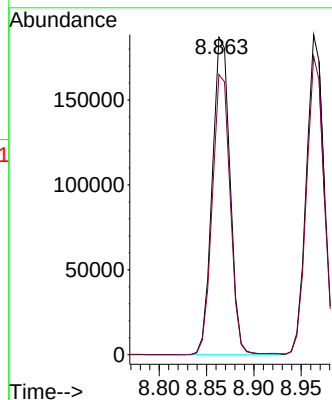
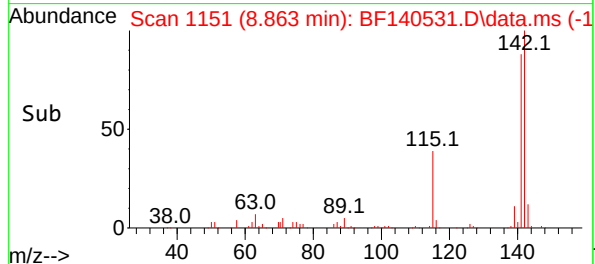
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 243949
Ion Ratio Lower Upper
142 100
141 88.2 71.0 106.6

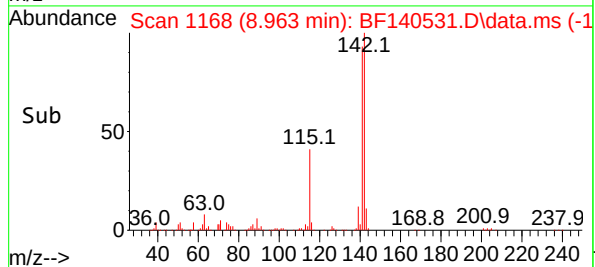
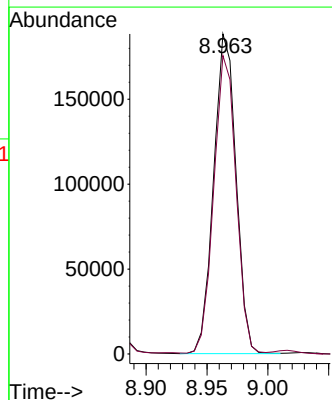
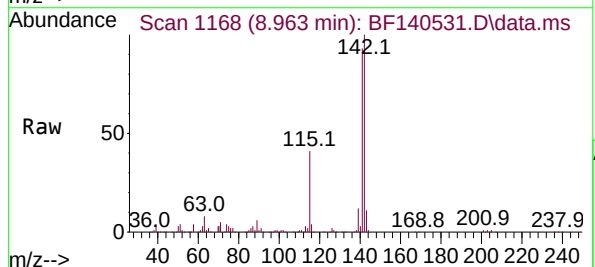
Manual Integrations
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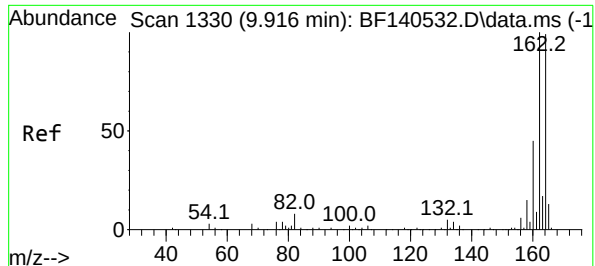
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#38
1-Methylnaphthalene
Concen: 20.564 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:142 Resp: 240502
Ion Ratio Lower Upper
142 100
141 93.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140531.D

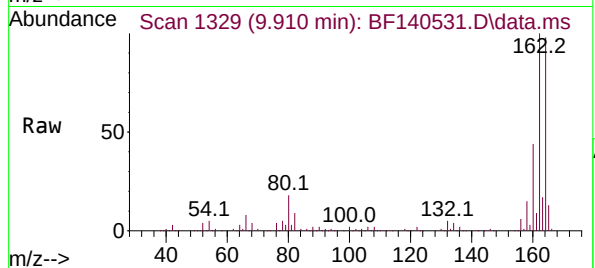
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 19880

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

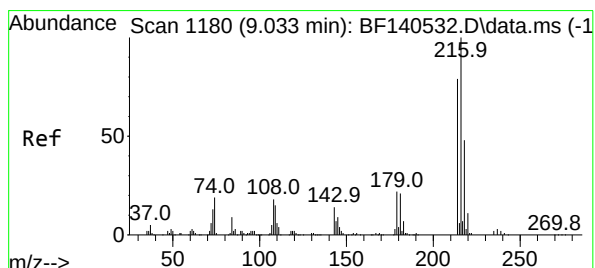
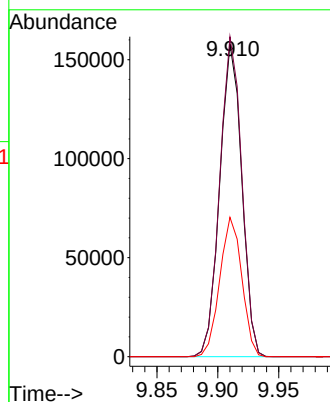
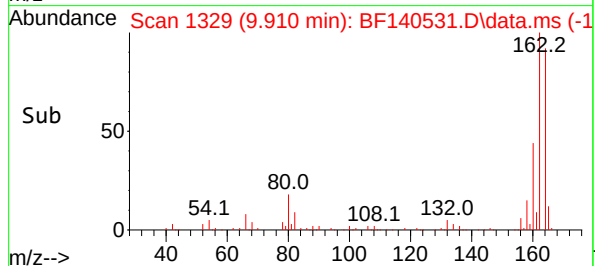
160 44.6 36.2 54.4

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

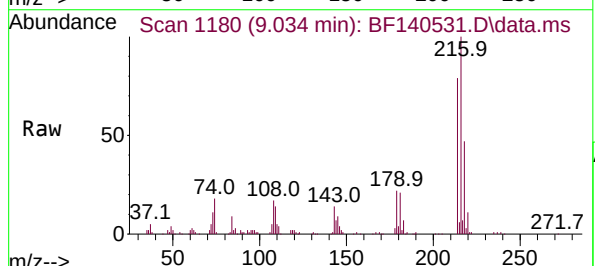
Concen: 20.695 ng

RT: 9.034 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32



Tgt Ion:216 Resp: 120444

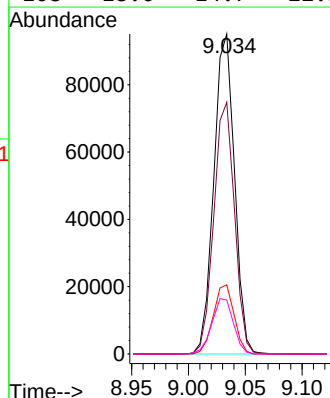
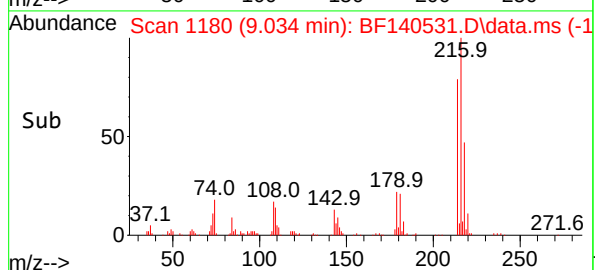
Ion Ratio Lower Upper

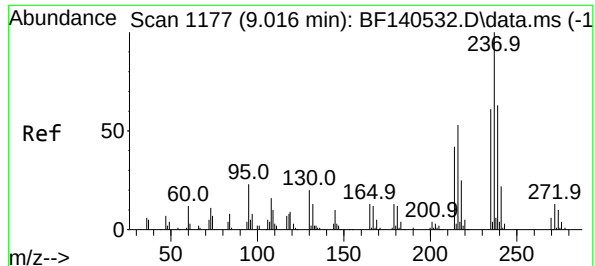
216 100

214 78.6 63.0 94.4

179 21.7 17.5 26.3

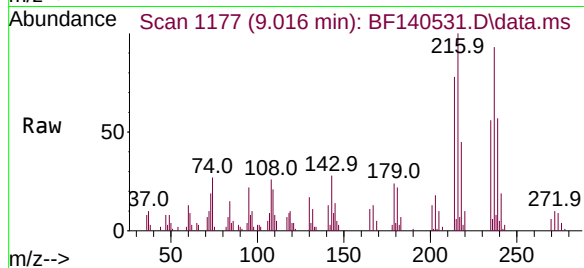
108 18.0 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 19.734 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

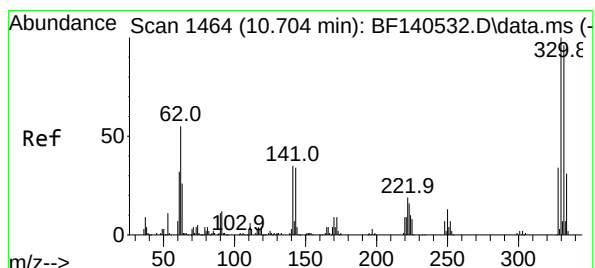
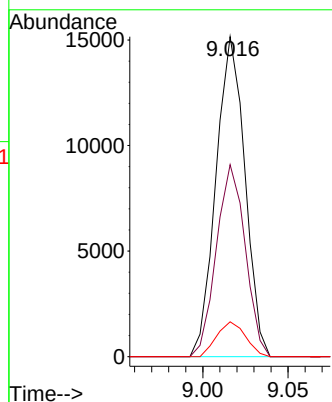
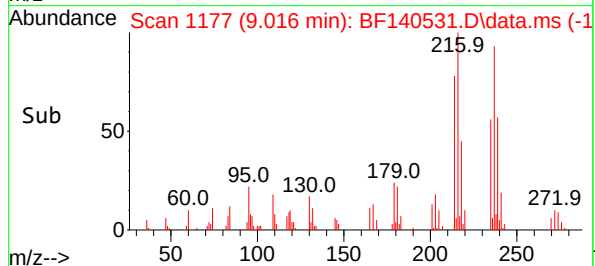
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



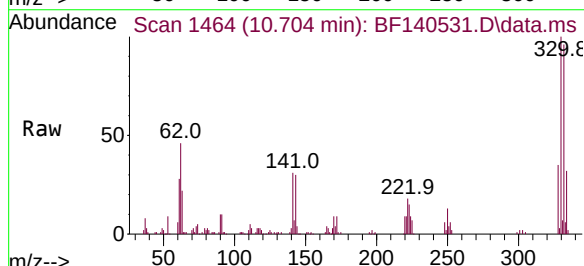
Tgt Ion: 237 Resp: 17909
Ion Ratio Lower Upper
237 100
235 60.0 41.1 81.1
272 10.9 0.0 32.6

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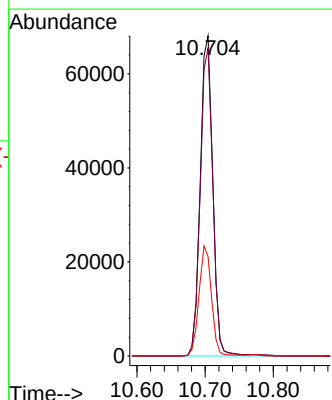
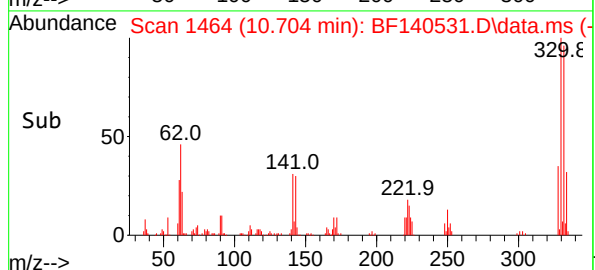
Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/27/2024

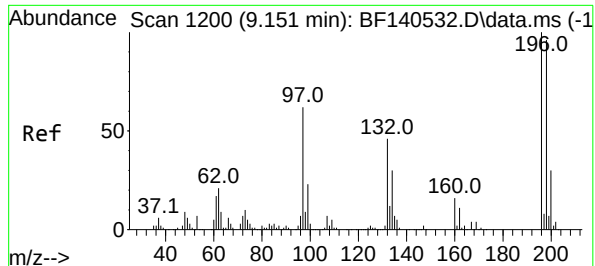


#42
2,4,6-Tribromophenol
Concen: 41.118 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32



Tgt Ion: 330 Resp: 87426
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 34.2 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 20.410 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140531.D

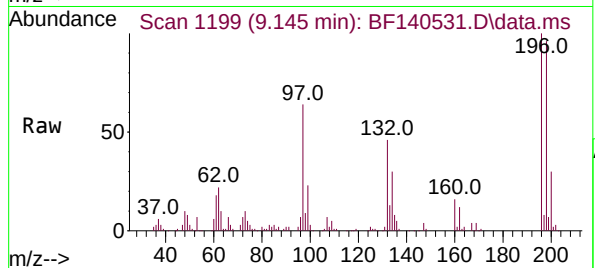
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 74538

Ion Ratio Lower Upper

196 100

198 95.9 76.8 115.2

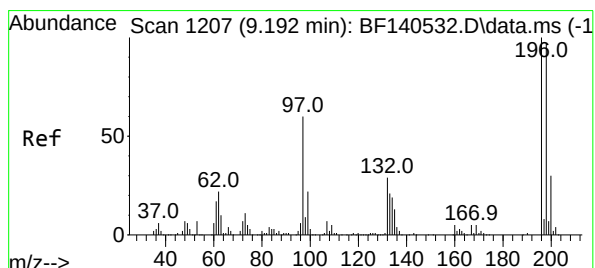
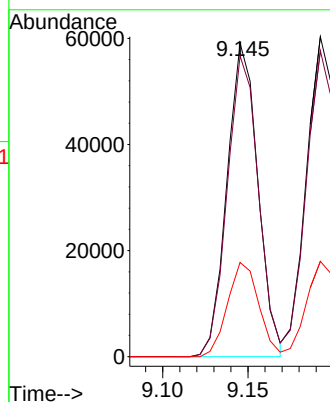
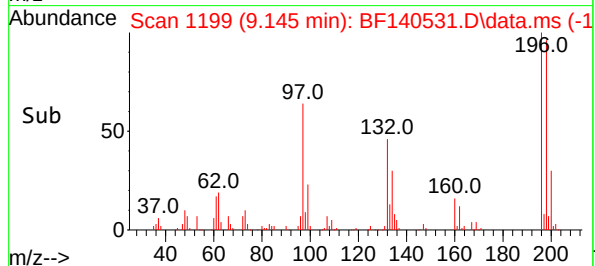
200 30.0 24.3 36.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

Concen: 20.585 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion:196 Resp: 81588

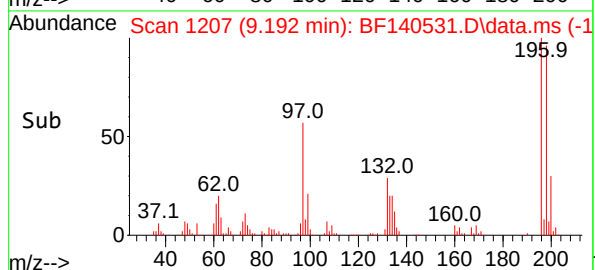
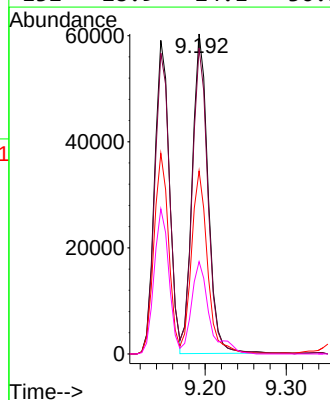
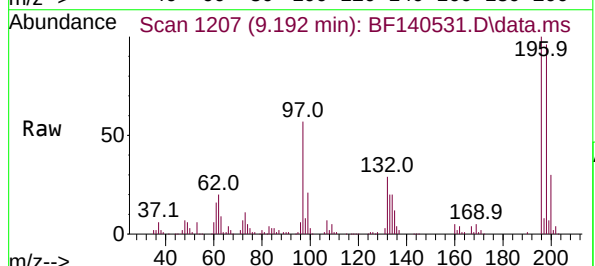
Ion Ratio Lower Upper

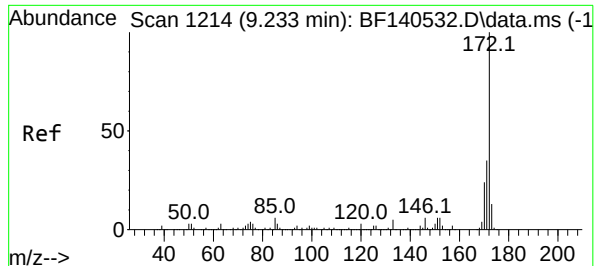
196 100

198 95.6 77.2 115.8

97 57.2 47.1 70.7

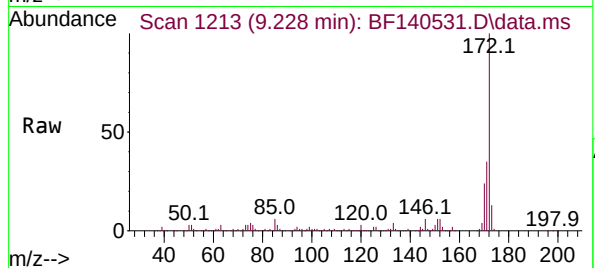
132 28.9 24.1 36.1





#45
2-Fluorobiphenyl
Concen: 42.389 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

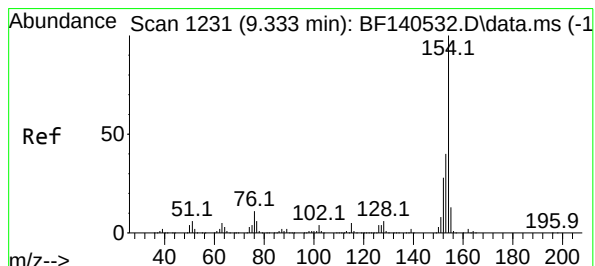
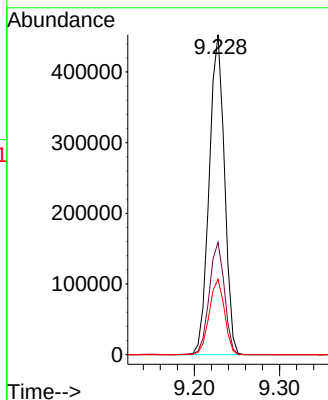
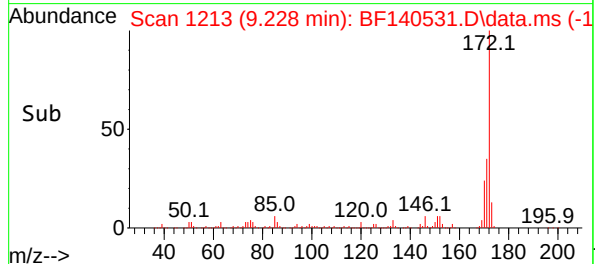
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



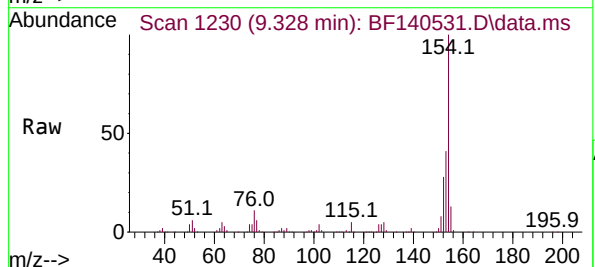
Tgt Ion:172 Resp: 56560
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.6 19.0 28.6

Manual Integrations
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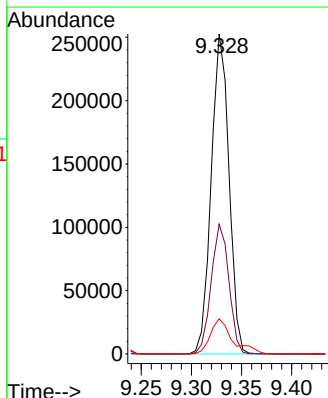
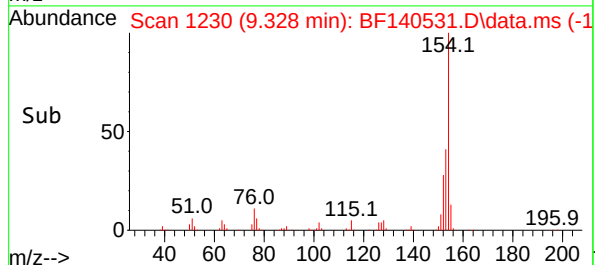
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

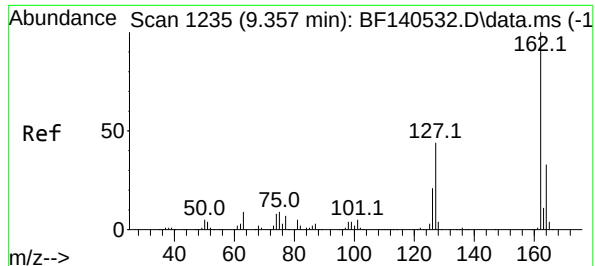


#46
1,1'-Biphenyl
Concen: 20.936 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32



Tgt Ion:154 Resp: 310749
Ion Ratio Lower Upper
154 100
153 40.6 20.4 60.4
76 11.0 0.0 31.2





#47

2-Chloronaphthalene

Concen: 20.545 ng

RT: 9.357 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140531.D

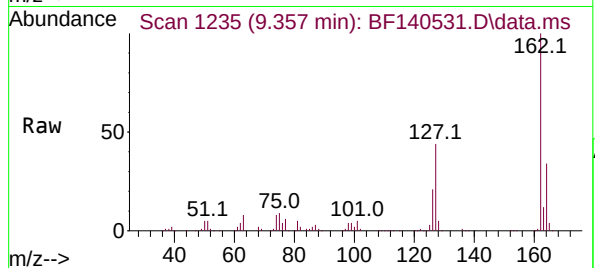
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 23106

Ion Ratio Lower Upper

162 100

127 44.0 35.7 53.5

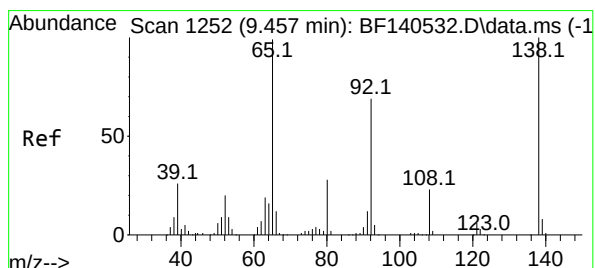
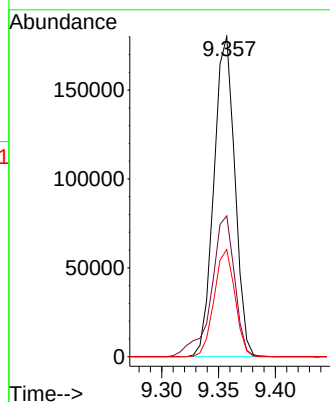
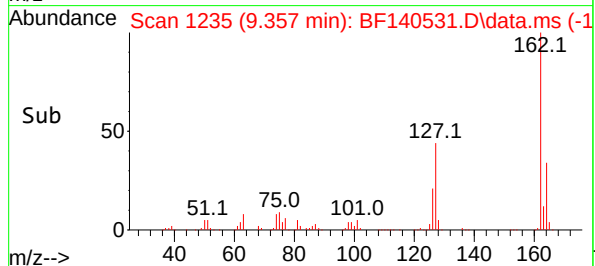
164 33.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

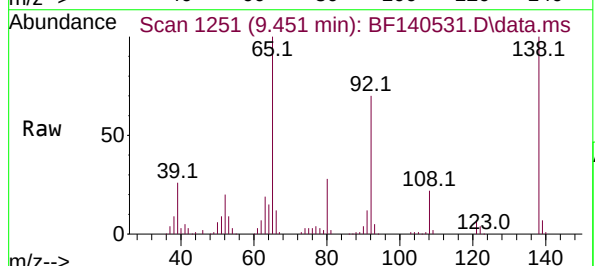
Concen: 20.871 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32



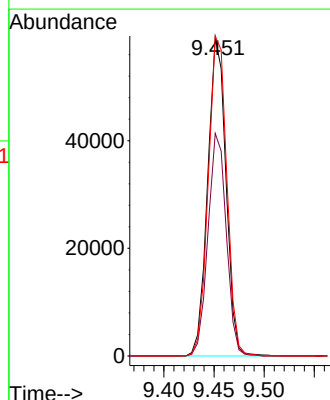
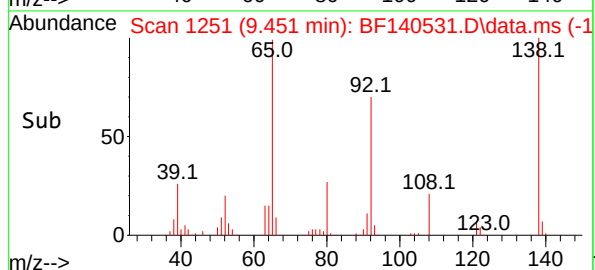
Tgt Ion: 65 Resp: 75343

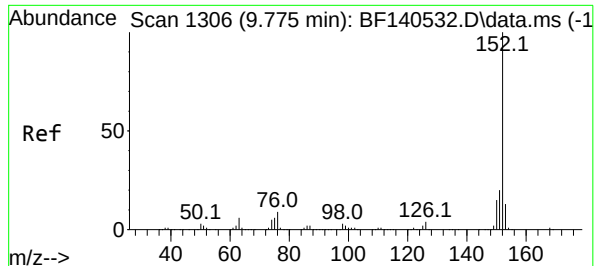
Ion Ratio Lower Upper

65 100

92 69.8 56.1 84.1

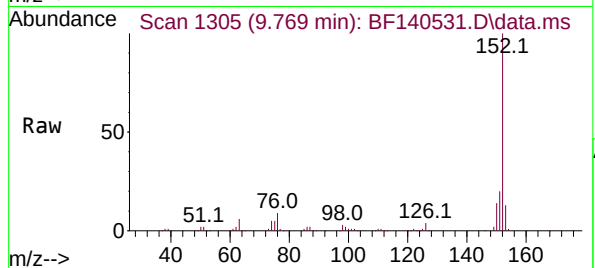
138 100.4 81.0 121.6





#49
Acenaphthylene
Concen: 21.155 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

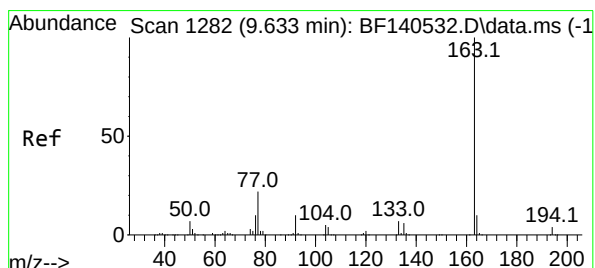
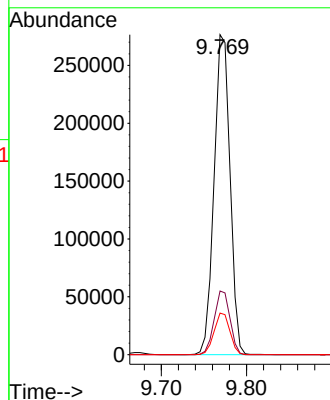
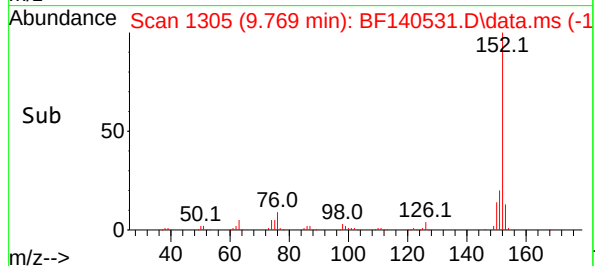
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



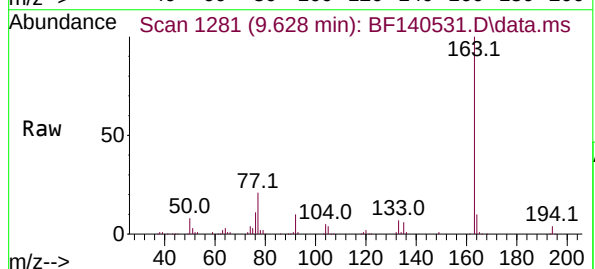
Tgt Ion:152 Resp: 35948
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.0 10.6 16.0

Manual Integrations
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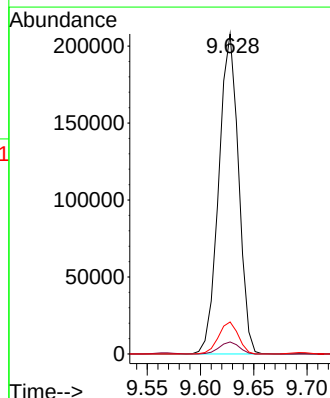
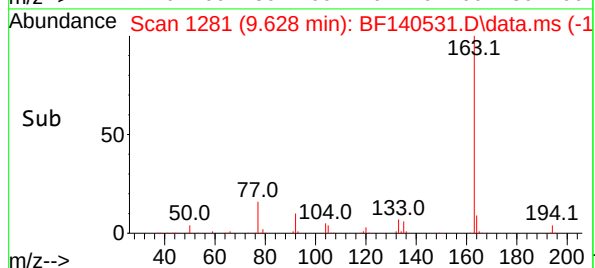
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

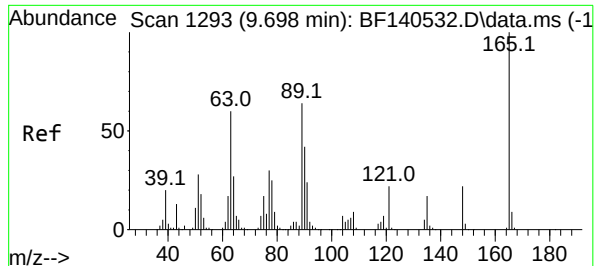


#50
Dimethylphthalate
Concen: 20.440 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32



Tgt Ion:163 Resp: 267629
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 20.568 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

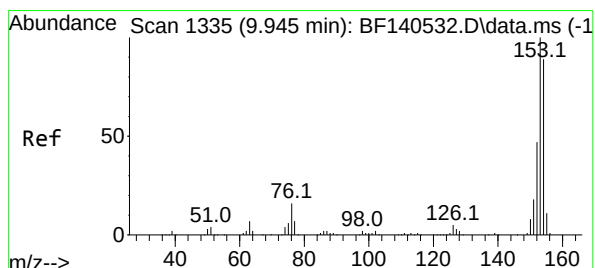
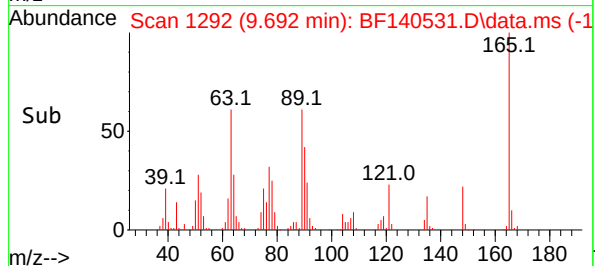
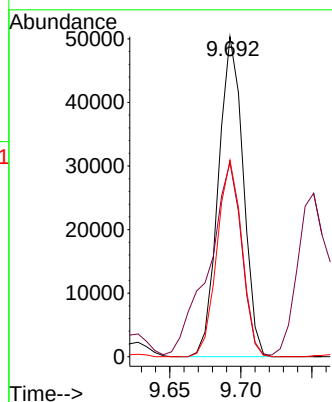
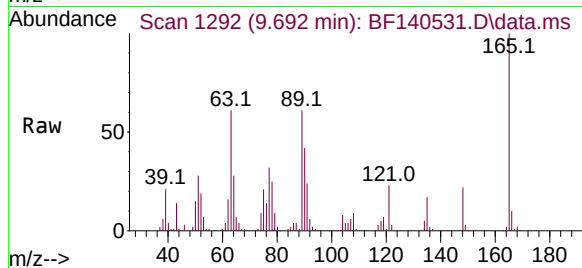
SSTDICC020

Tgt Ion:165 Resp: 61070
Ion Ratio Lower Upper
165 100
63 60.7 49.9 74.9
89 61.4 50.9 76.3

Manual Integrations

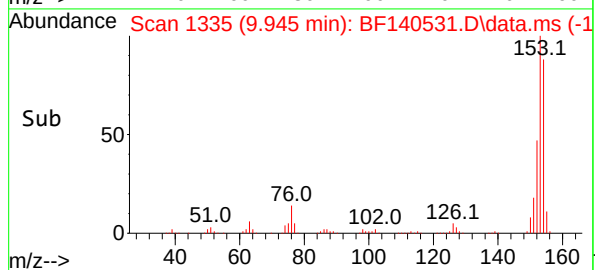
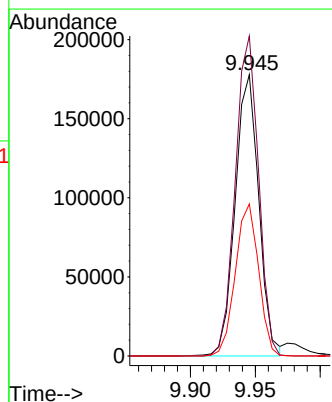
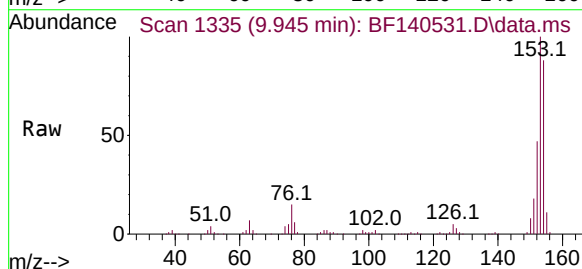
APPROVED

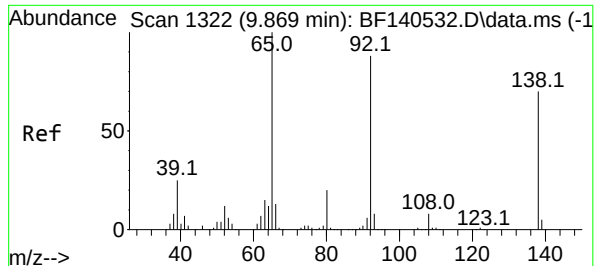
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#52
Acenaphthene
Concen: 20.497 ng m
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

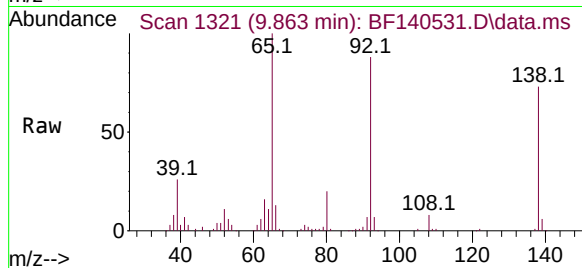
Tgt Ion:154 Resp: 225540
Ion Ratio Lower Upper
154 100
153 113.8 89.7 134.5
152 54.0 42.5 63.7





#53
3-Nitroaniline
Concen: 21.128 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

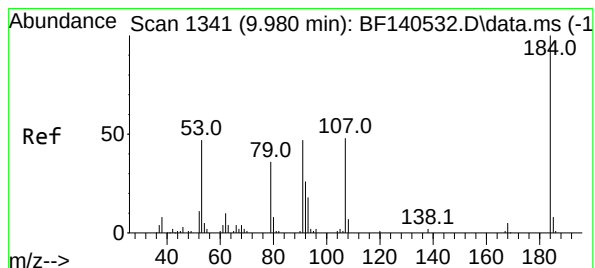
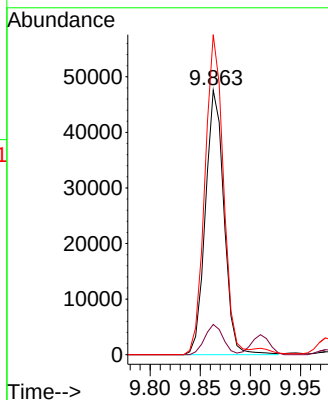
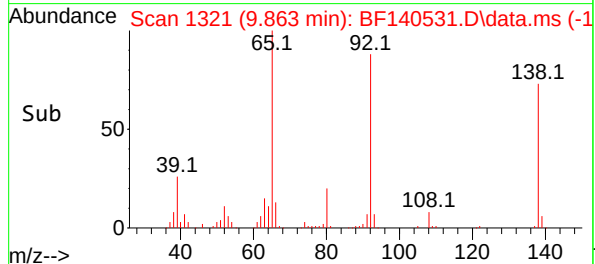
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 61362
Ion Ratio Lower Upper
138 100
108 11.4 9.2 13.8
92 121.0 100.6 150.8

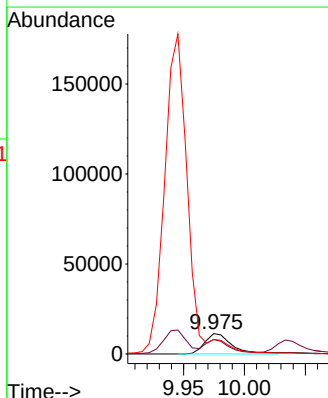
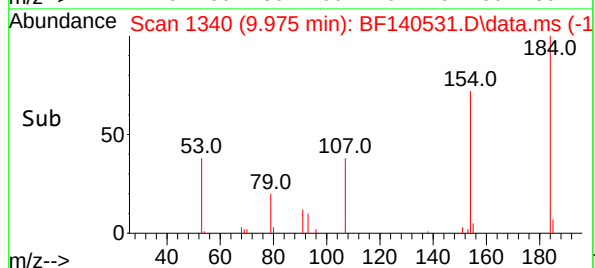
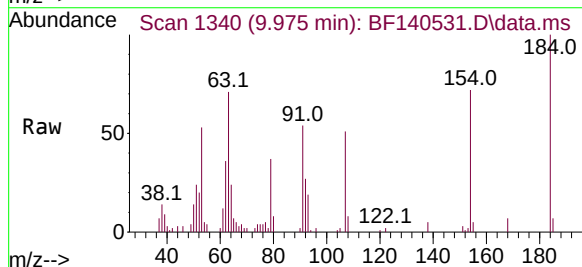
Manual Integrations
APPROVED

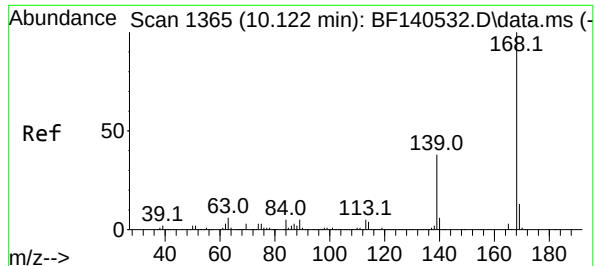
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#54
2,4-Dinitrophenol
Concen: 18.164 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.005 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

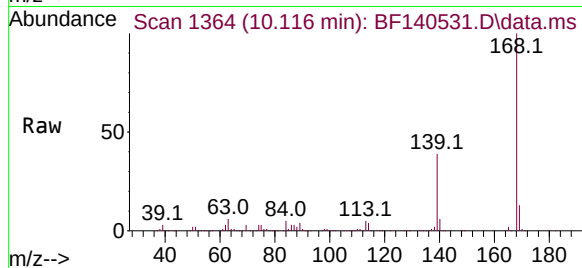
Tgt Ion:184 Resp: 17628
Ion Ratio Lower Upper
184 100
63 71.0 54.1 81.1
154 71.5 57.4 86.0





#55
Dibenzenofuran
Concen: 20.992 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

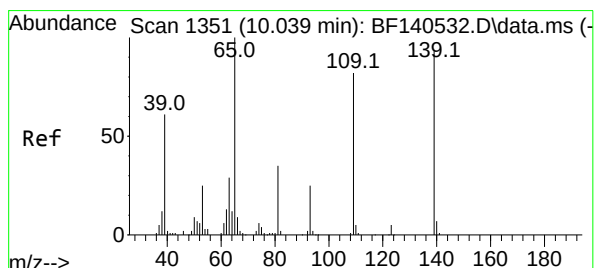
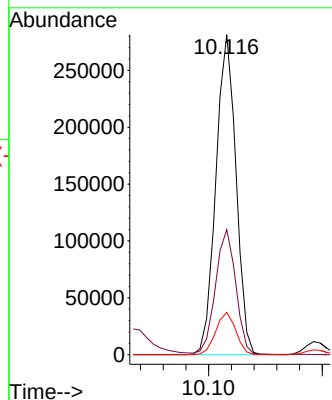
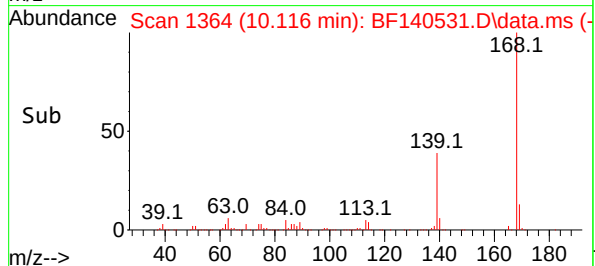
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:168 Resp: 345729
Ion Ratio Lower Upper
168 100
139 39.1 31.3 46.9
169 13.2 10.5 15.7

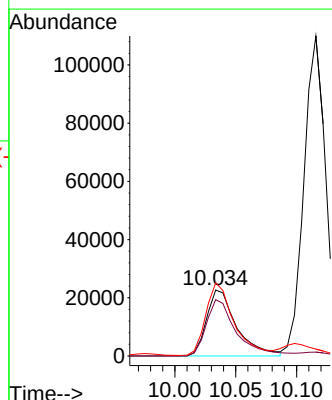
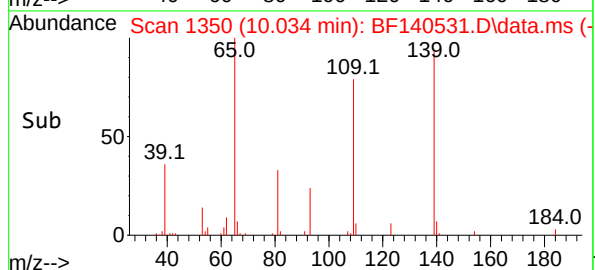
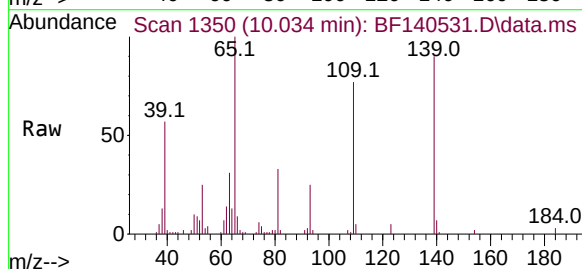
Manual Integrations
APPROVED

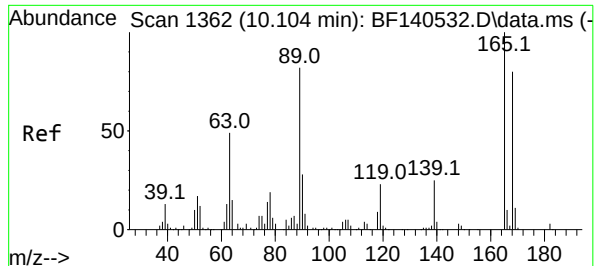
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#56
4-Nitrophenol
Concen: 19.582 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.005 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:139 Resp: 38787
Ion Ratio Lower Upper
139 100
109 85.4 68.4 108.4
65 110.9 88.6 128.6





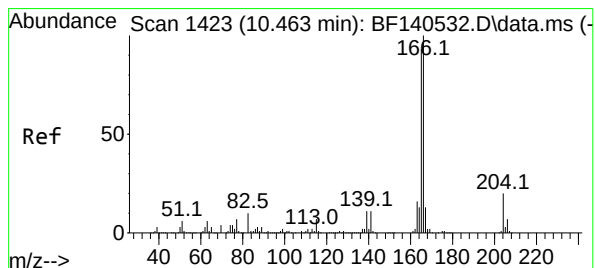
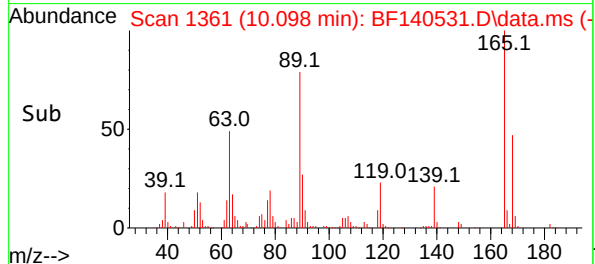
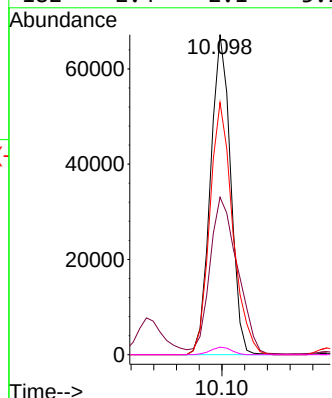
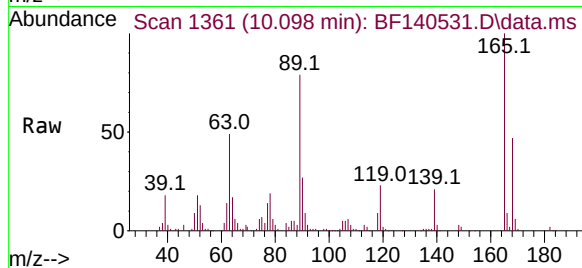
#57
2,4-Dinitrotoluene
Concen: 20.957 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 82700
Ion Ratio Lower Upper
165 100
63 49.2 41.7 62.5
89 78.8 65.8 98.8
182 2.4 2.1 3.1

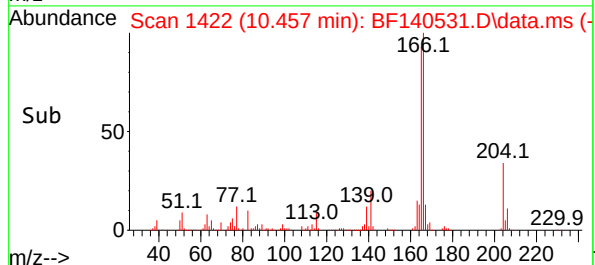
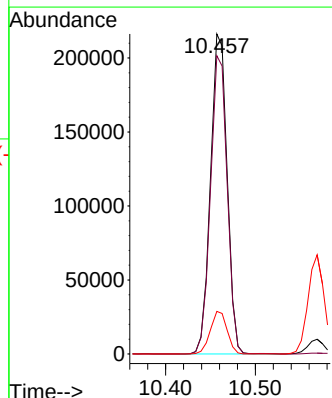
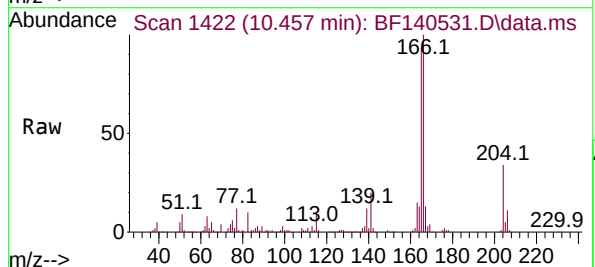
Manual Integrations
APPROVED

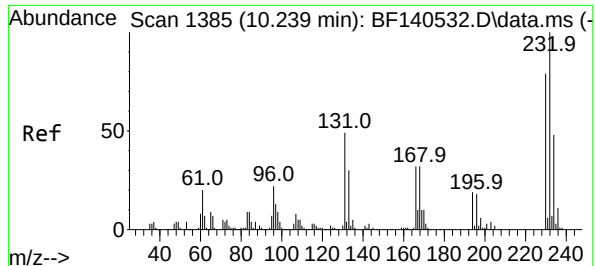
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#58
Fluorene
Concen: 21.038 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

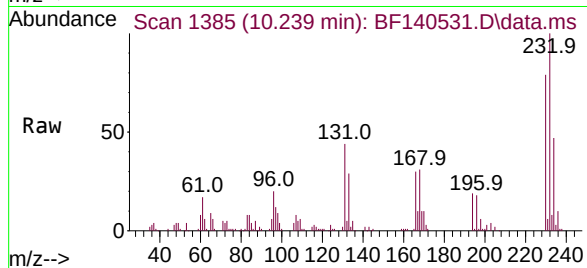
Tgt Ion:166 Resp: 278115
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.072 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

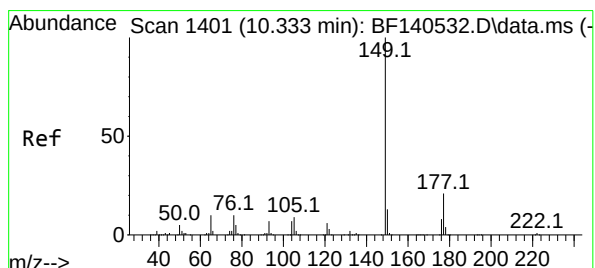
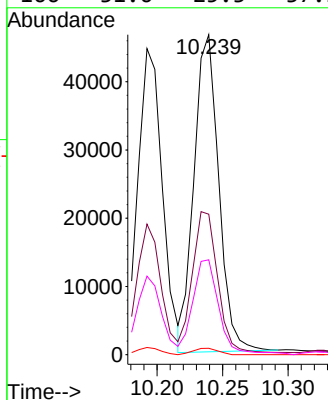
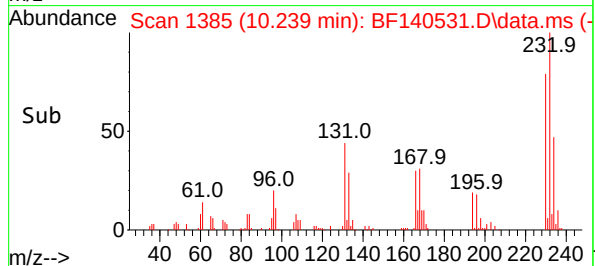
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 6114
Ion Ratio Lower Upper
232 100
131 47.5 39.6 59.4
130 2.0 1.9 2.9
166 31.6 25.3 37.9

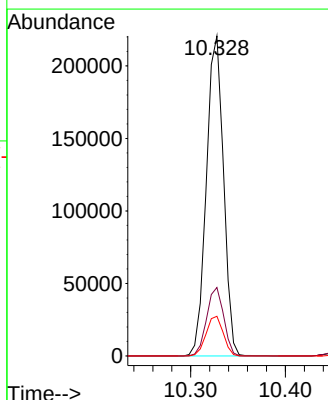
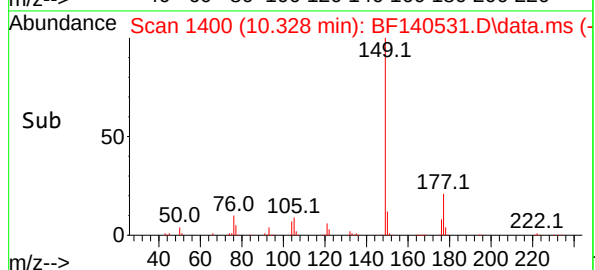
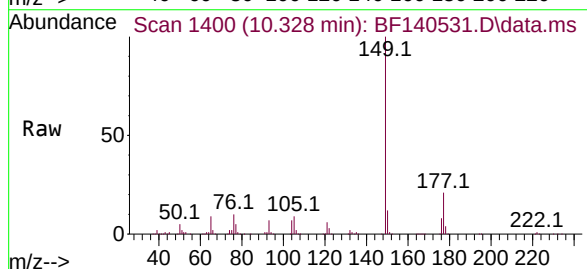
Manual Integrations
APPROVED

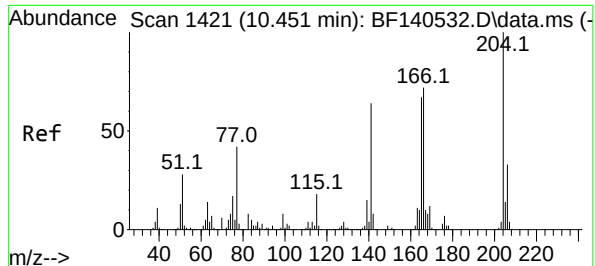
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#60
Diethylphthalate
Concen: 20.812 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

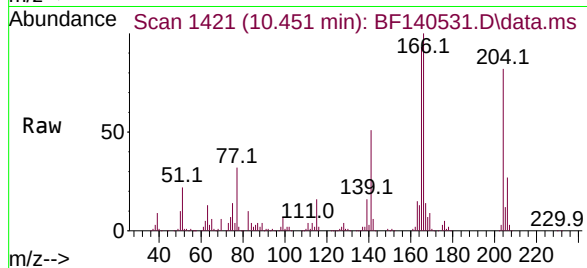
Tgt Ion:149 Resp: 276859
Ion Ratio Lower Upper
149 100
177 21.4 17.1 25.7
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 20.992 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

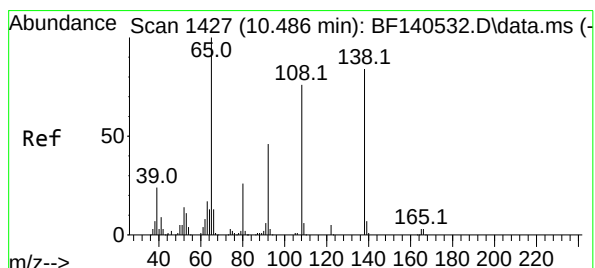
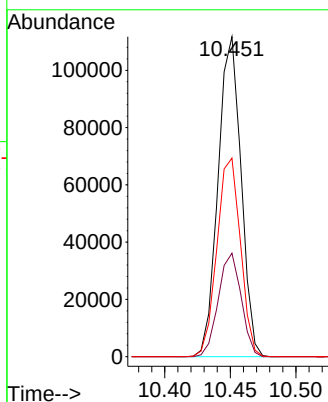
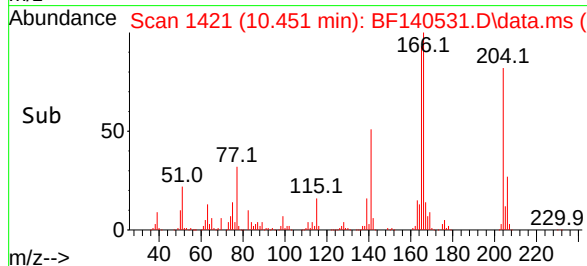
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 136189
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 62.0 51.1 76.7

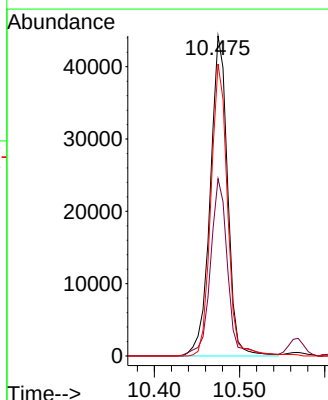
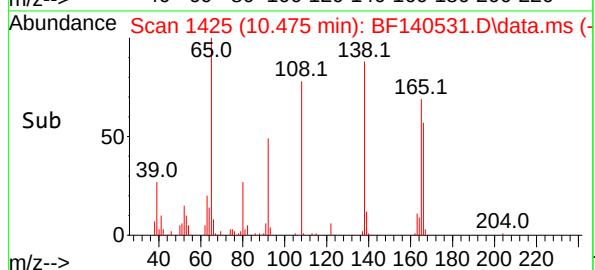
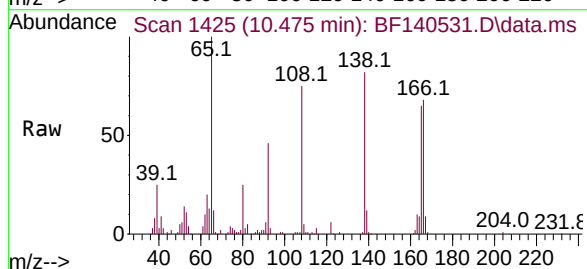
Manual Integrations
APPROVED

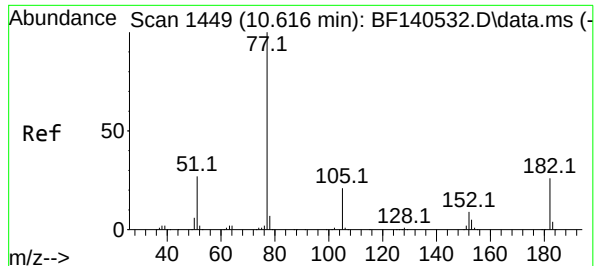
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#62
4-Nitroaniline
Concen: 20.555 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

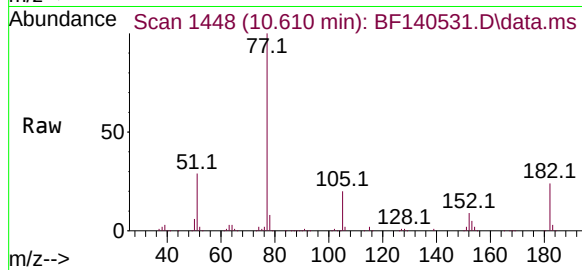
Tgt Ion:138 Resp: 62610
Ion Ratio Lower Upper
138 100
92 55.4 34.5 74.5
108 91.2 70.6 110.6





#63
Azobenzene
Concen: 20.833 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

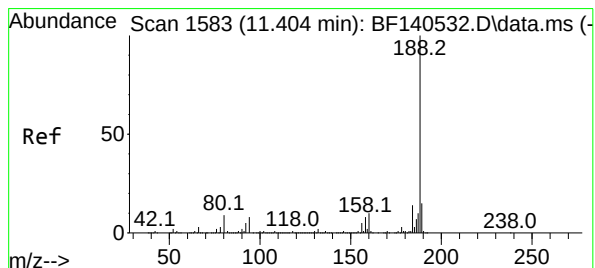
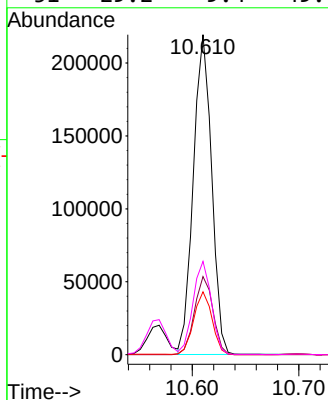
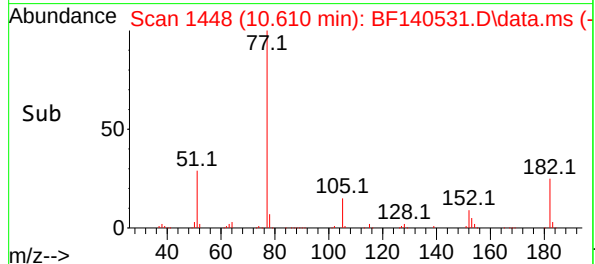
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 262444
Ion Ratio Lower Upper
77 100
182 24.4 5.3 45.3
105 19.7 0.3 40.3
51 29.2 9.4 49.4

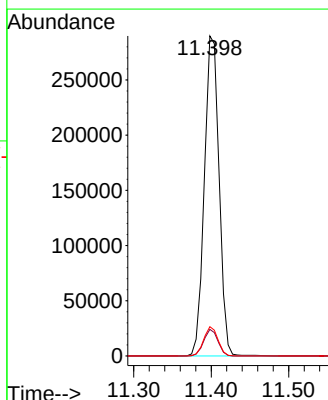
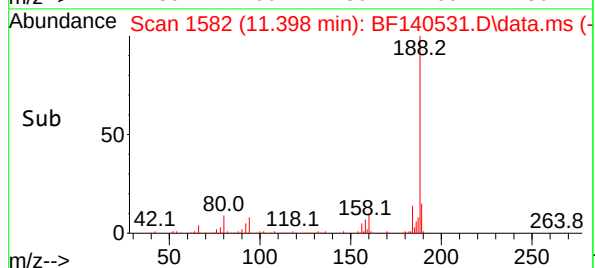
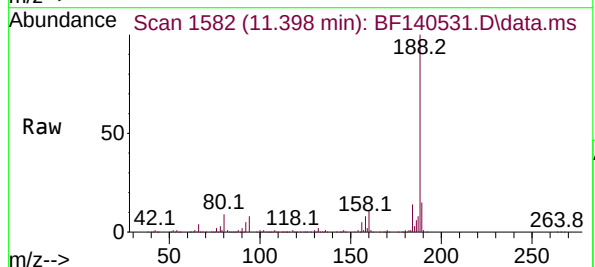
Manual Integrations
APPROVED

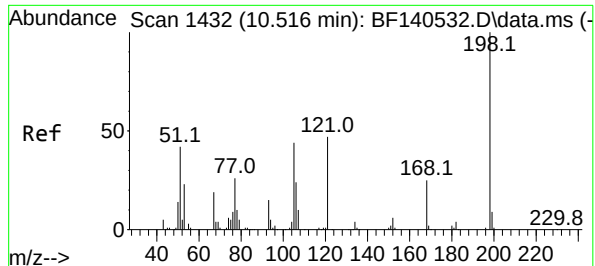
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:188 Resp: 382041
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.1 6.9 10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 17.627 ng

RT: 10.510 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:198 Resp: 3441

Ion Ratio Lower Upper

198 100

51 51.1 29.4 69.4

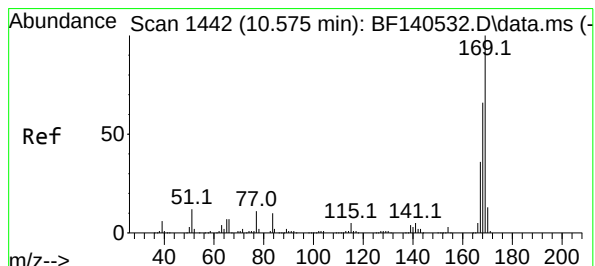
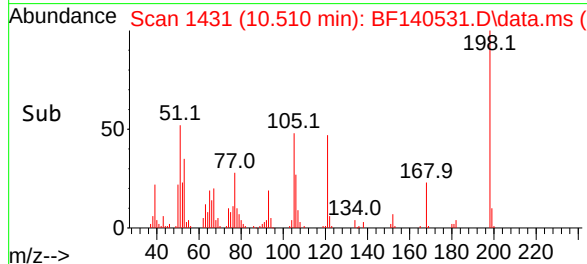
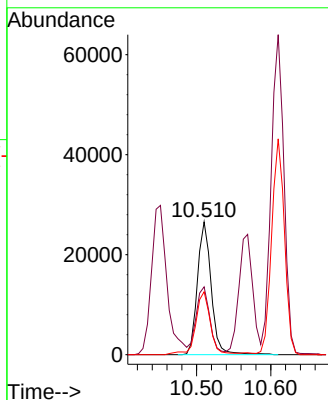
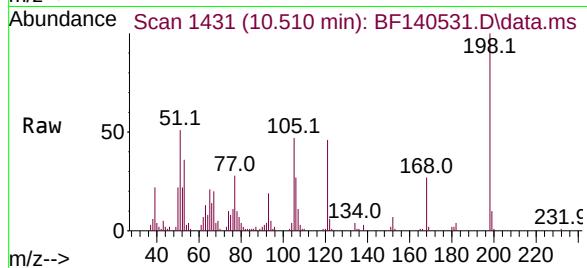
105 47.4 25.4 65.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#66

n-Nitrosodiphenylamine

Concen: 20.187 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

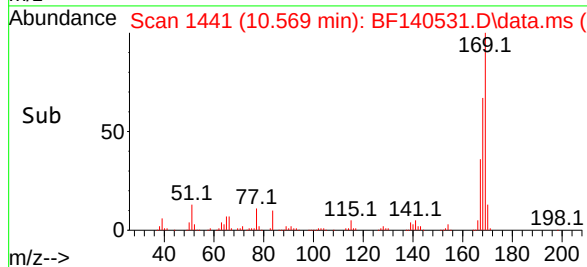
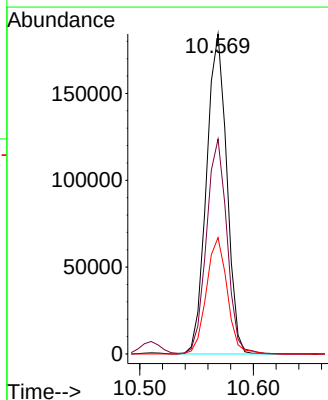
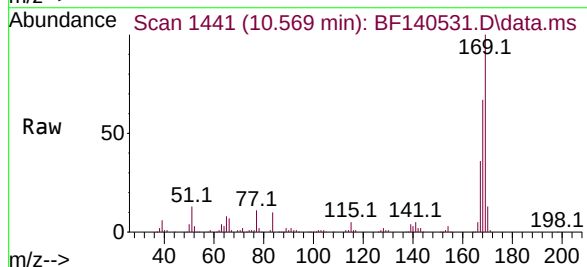
Tgt Ion:169 Resp: 228075

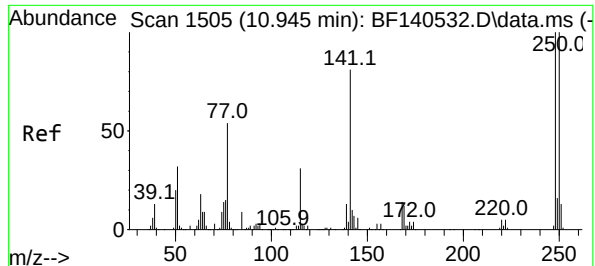
Ion Ratio Lower Upper

169 100

168 67.1 53.2 79.8

167 36.4 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 20.044 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

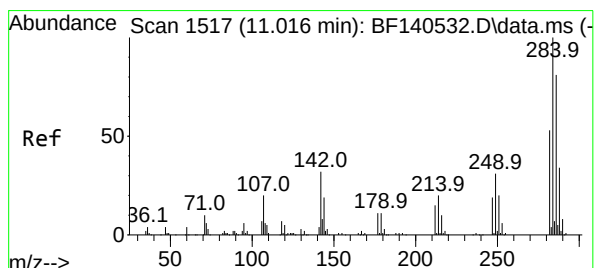
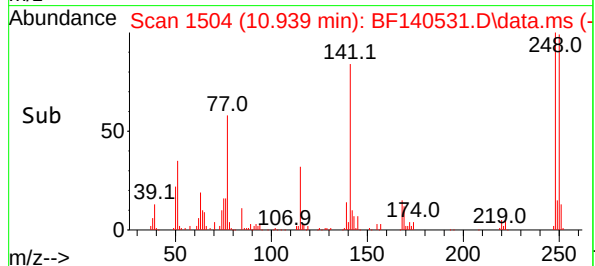
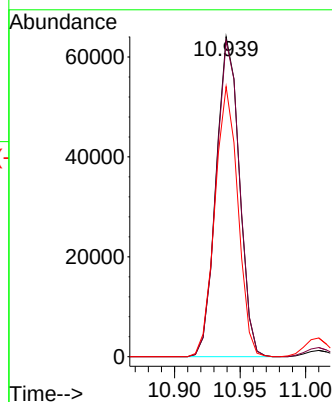
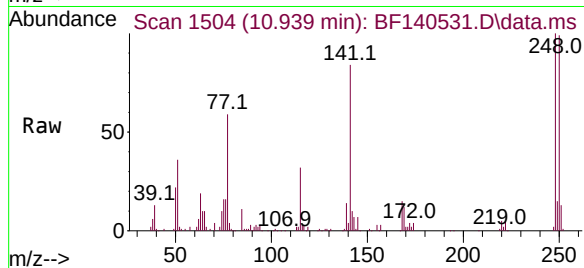
SSTDICC020

Tgt Ion:248 Resp: 7886
Ion Ratio Lower Upper
248 100
250 98.7 79.8 119.8
141 84.4 64.7 97.1

Manual Integrations

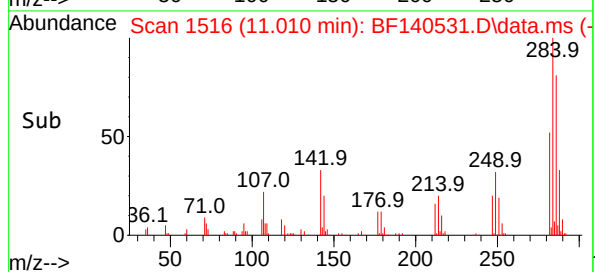
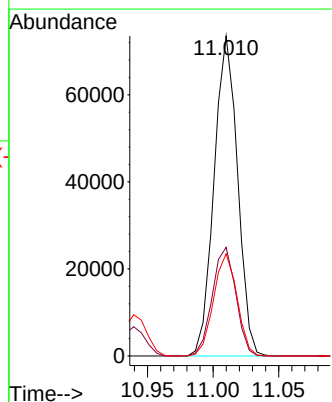
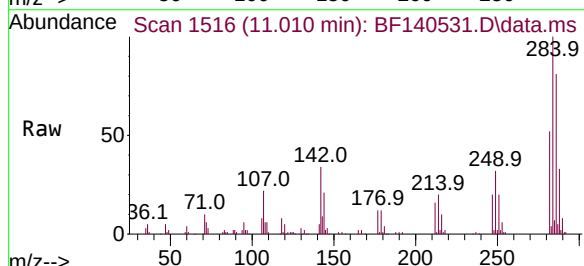
APPROVED

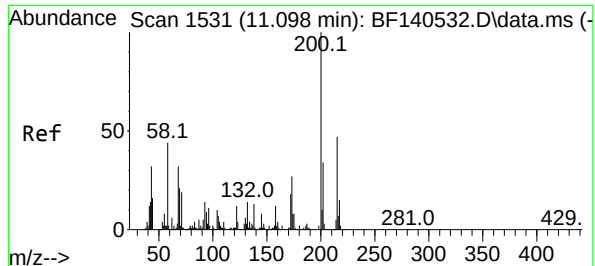
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#68
Hexachlorobenzene
Concen: 20.055 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:284 Resp: 91363
Ion Ratio Lower Upper
284 100
142 34.0 25.3 37.9
249 31.9 24.8 37.2





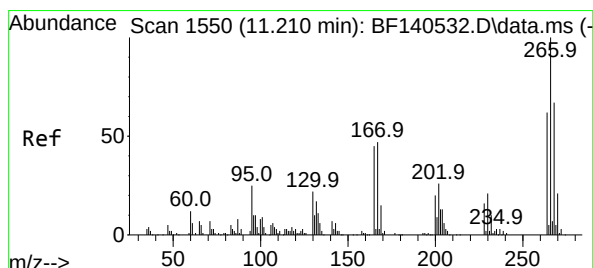
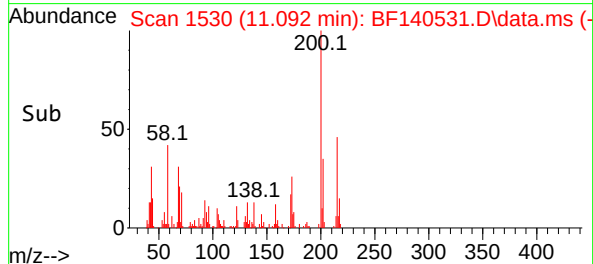
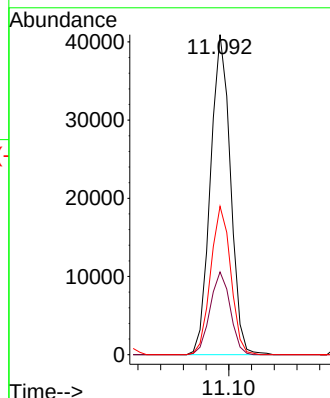
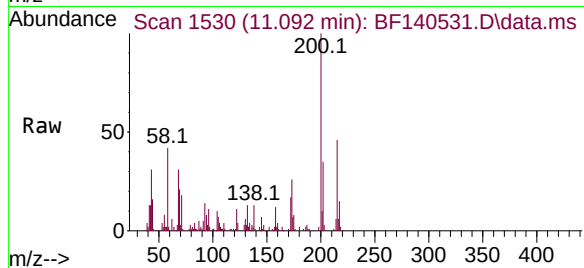
#69
Atrazine
Concen: 15.754 ng
RT: 11.092 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 50070
Ion Ratio Lower Upper
200 100
173 25.9 7.0 47.0
215 46.3 26.7 66.7

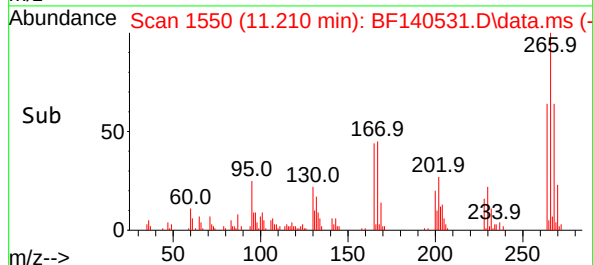
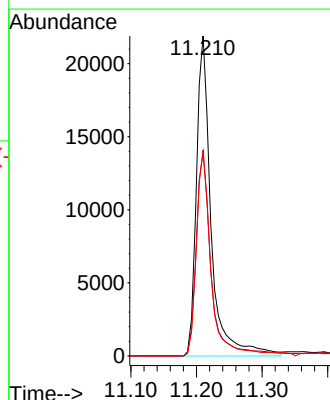
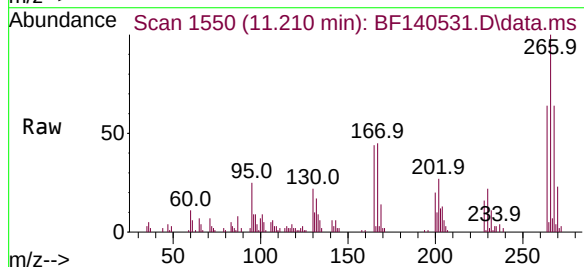
Manual Integrations
APPROVED

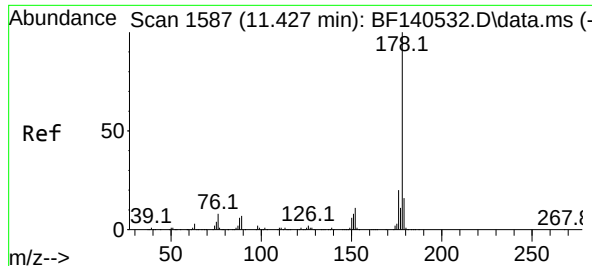
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#70
Pentachlorophenol
Concen: 17.111 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:266 Resp: 34309
Ion Ratio Lower Upper
266 100
268 63.8 53.7 80.5
264 64.4 49.8 74.8





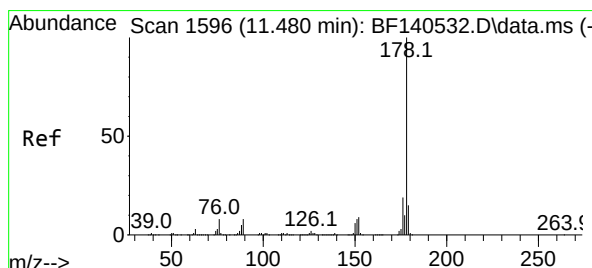
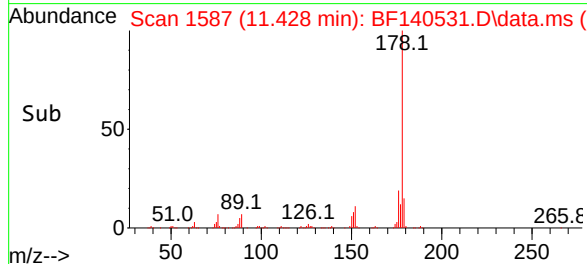
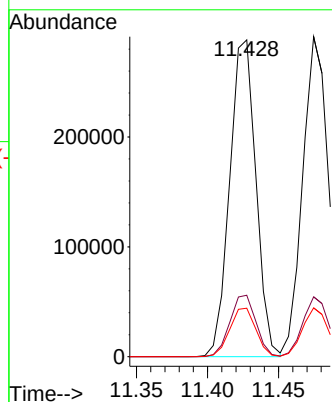
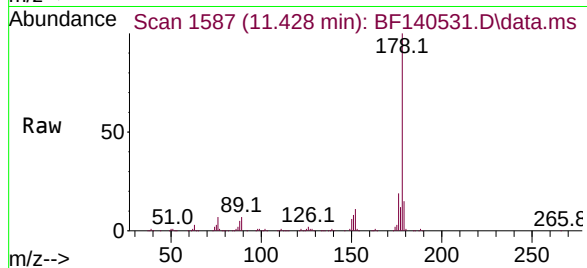
#71
Phenanthrene
Concen: 20.171 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 370424
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.3 12.4 18.6

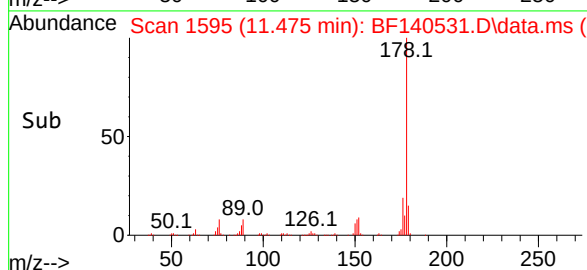
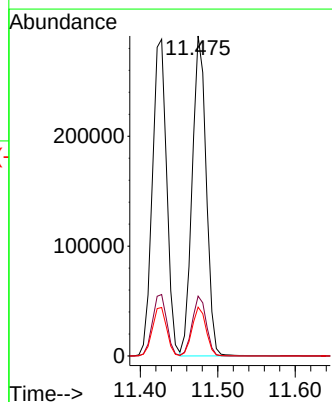
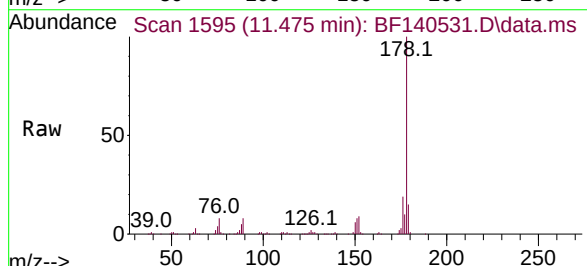
Manual Integrations
APPROVED

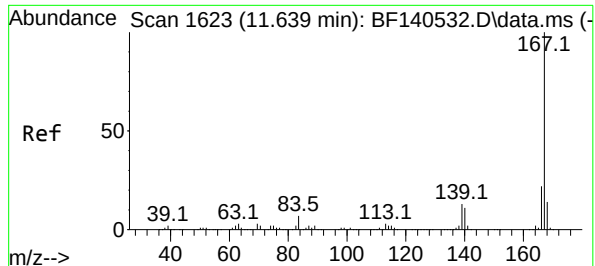
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#72
Anthracene
Concen: 20.383 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

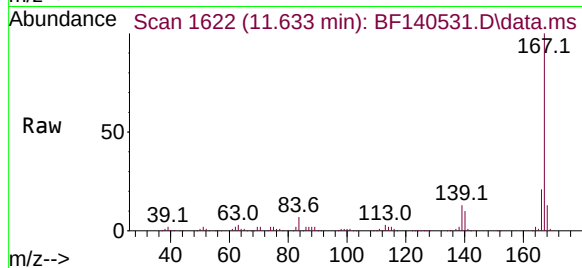
Tgt Ion:178 Resp: 366152
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.2 12.2 18.4





#73
Carbazole
Concen: 20.567 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

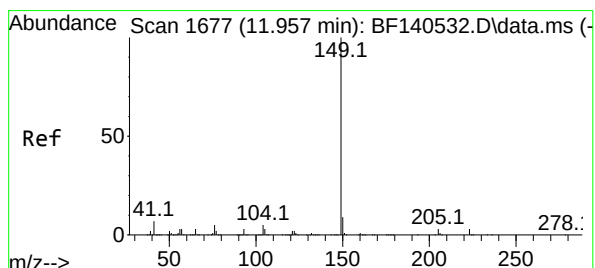
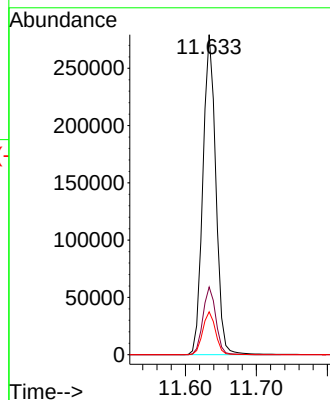
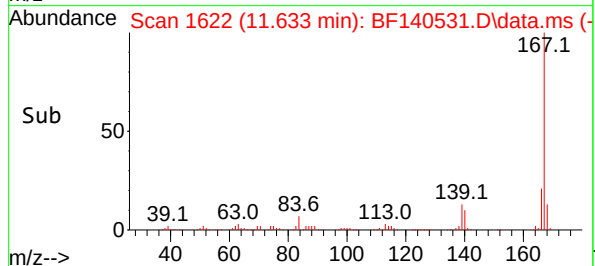
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:167 Resp: 35542
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 13.4 10.6 15.8

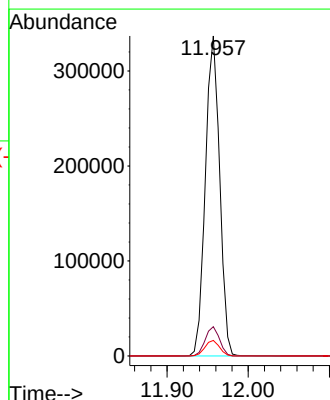
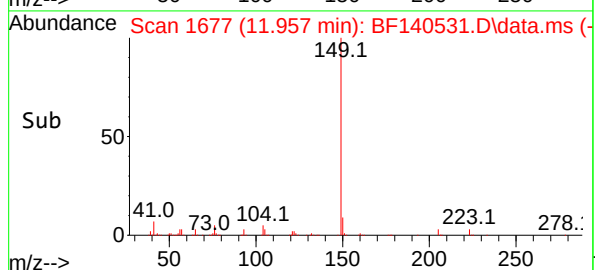
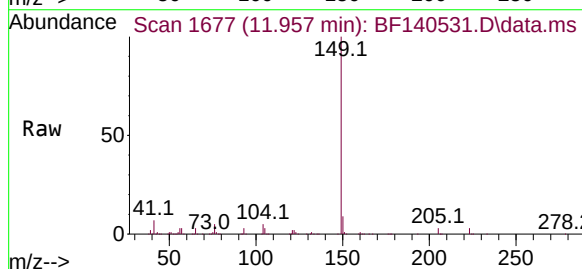
Manual Integrations
APPROVED

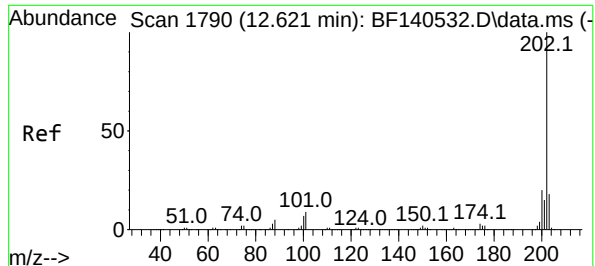
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#74
Di-n-butylphthalate
Concen: 20.566 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

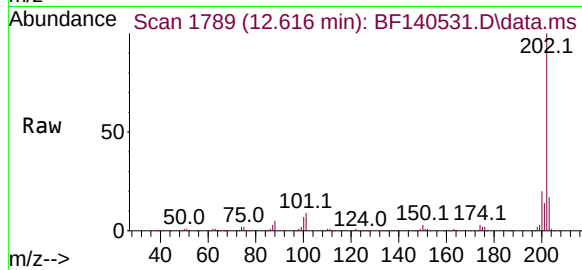
Tgt Ion:149 Resp: 410317
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 21.335 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

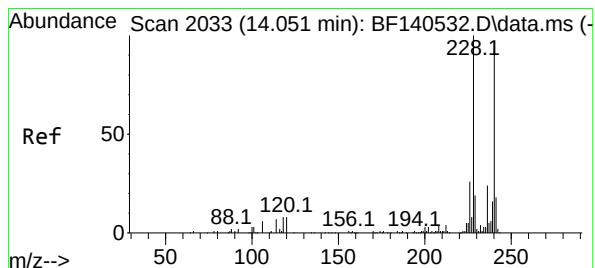
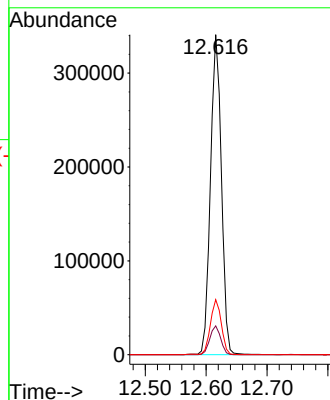
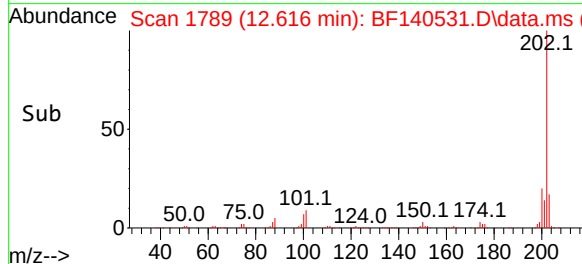
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 425403
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.9
203 17.2 0.0 37.6

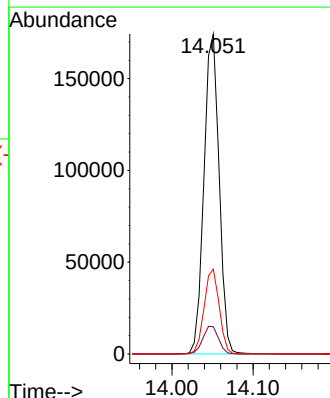
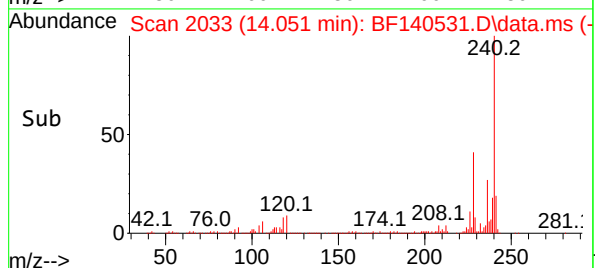
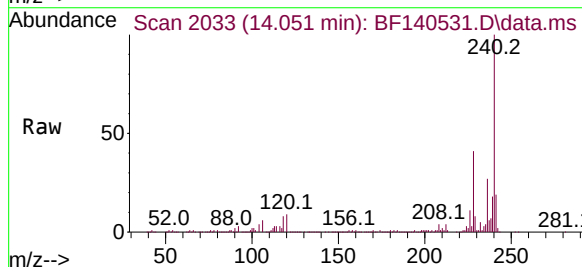
Manual Integrations
APPROVED

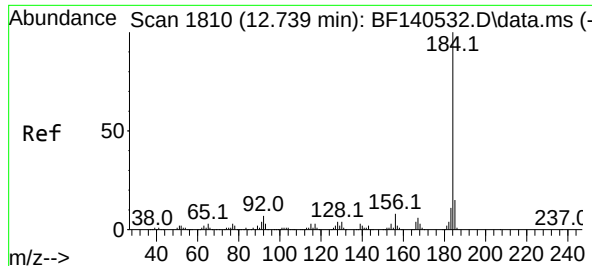
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

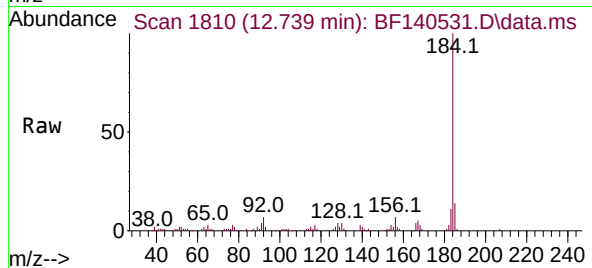
Tgt Ion:240 Resp: 225903
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 26.5 20.6 31.0





#77
Benzidine
Concen: 10.185 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

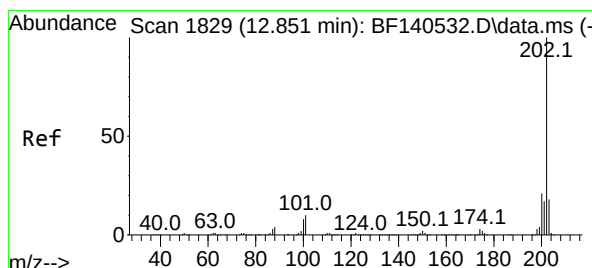
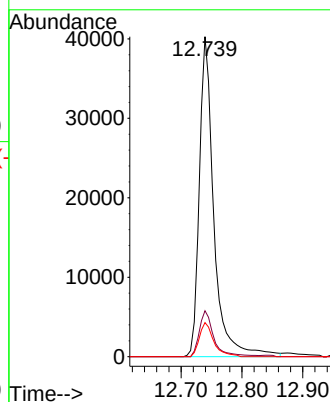
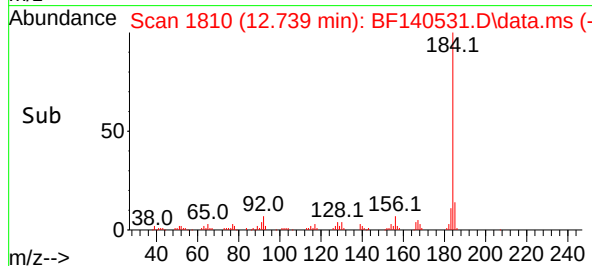
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 6689
Ion Ratio Lower Upper
184 100
185 14.3 11.7 17.5
183 10.6 8.8 13.2

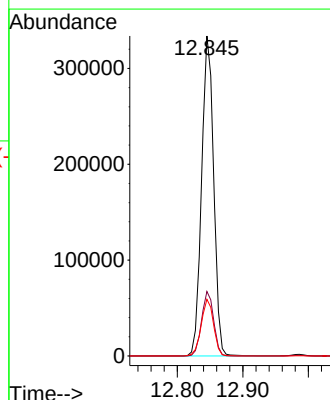
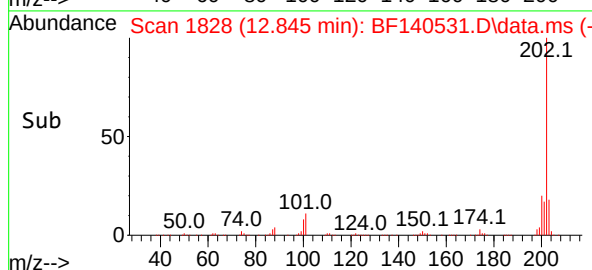
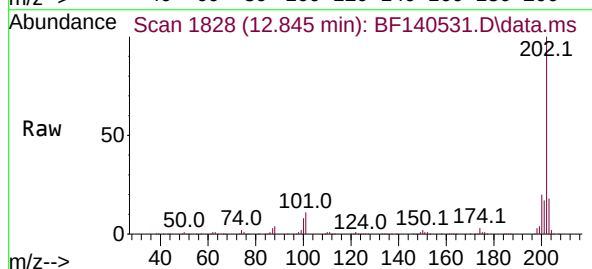
Manual Integrations
APPROVED

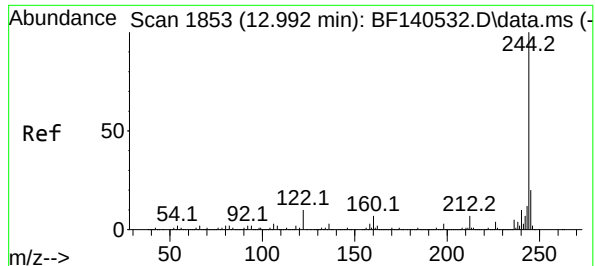
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#78
Pyrene
Concen: 20.514 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

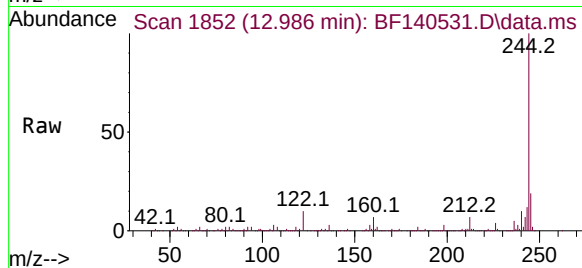
Tgt Ion:202 Resp: 428479
Ion Ratio Lower Upper
202 100
200 20.1 16.5 24.7
203 17.7 14.2 21.4





#79
Terphenyl-d14
Concen: 40.721 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

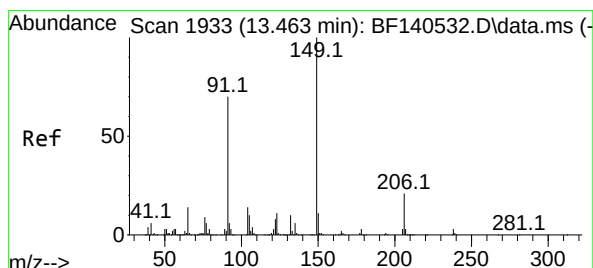
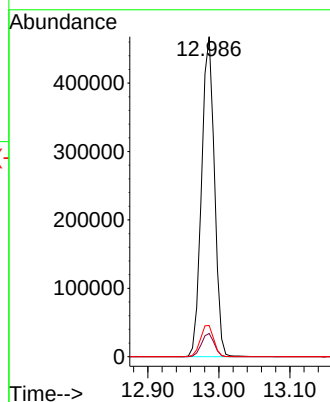
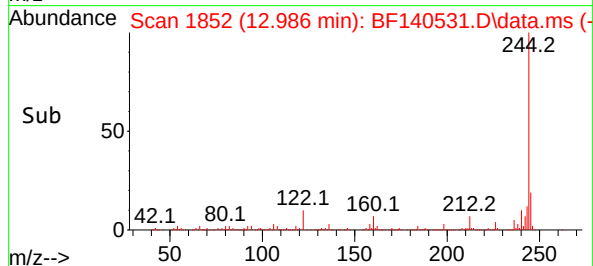
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:244 Resp: 590775
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 9.7 8.0 12.0

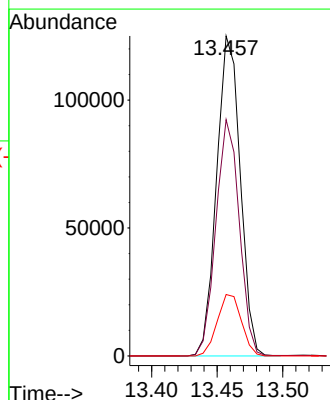
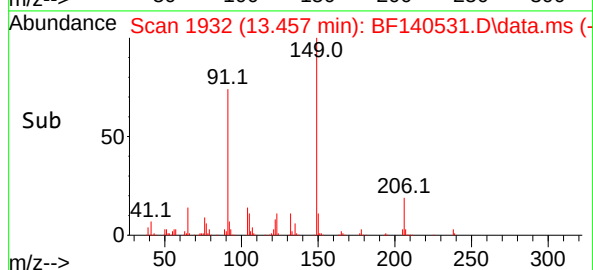
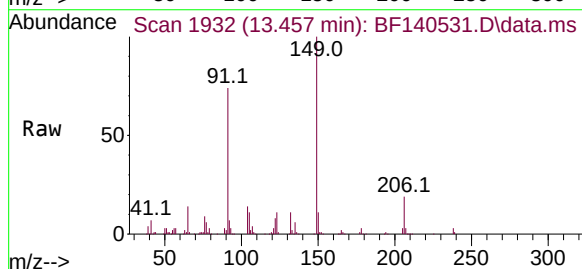
Manual Integrations
APPROVED

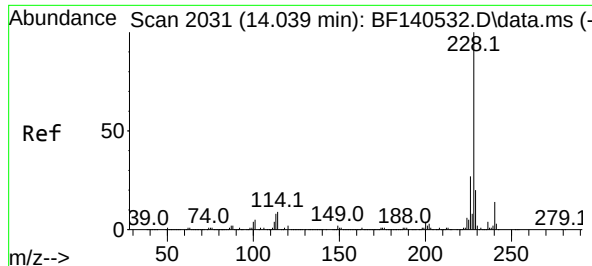
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#80
Butylbenzylphthalate
Concen: 20.835 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

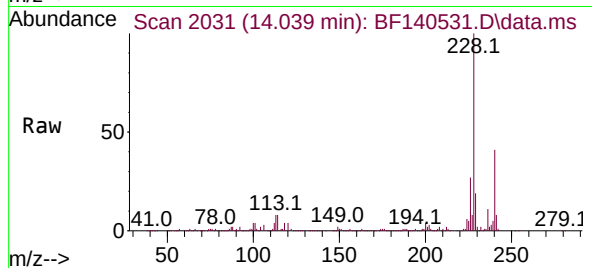
Tgt Ion:149 Resp: 156775
Ion Ratio Lower Upper
149 100
91 73.8 56.2 84.2
206 19.2 16.4 24.6





#81
Benzo(a)anthracene
Concen: 20.825 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

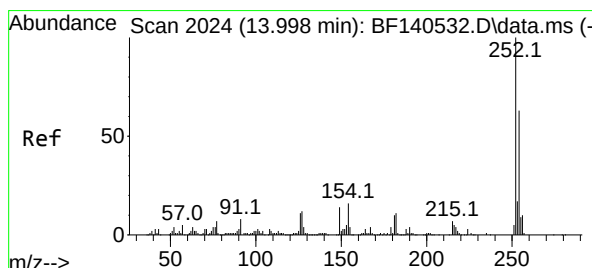
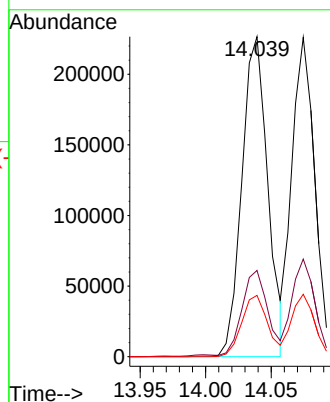
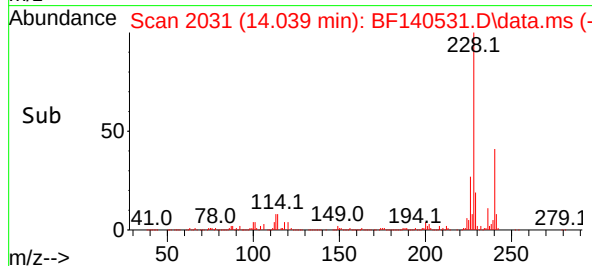
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 311410
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.2 15.8 23.6

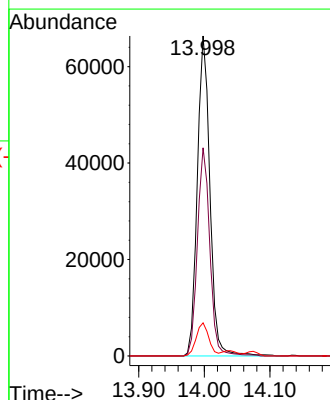
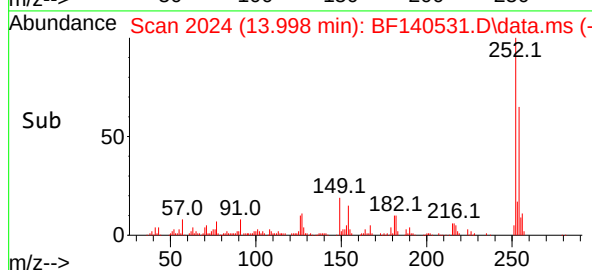
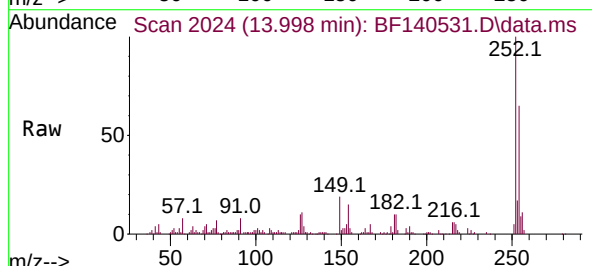
Manual Integrations
APPROVED

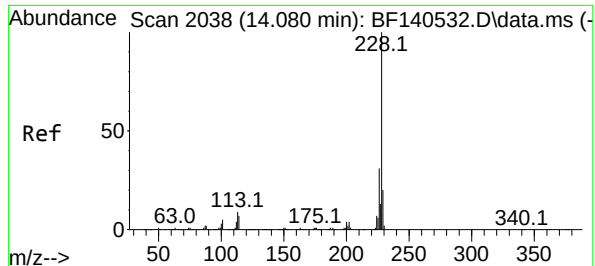
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 19.791 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

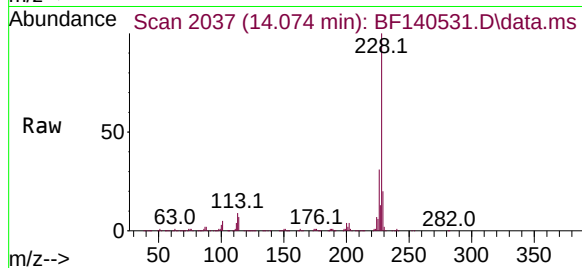
Tgt Ion:252 Resp: 88858
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 10.4 8.6 13.0





#83
Chrysene
Concen: 20.117 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

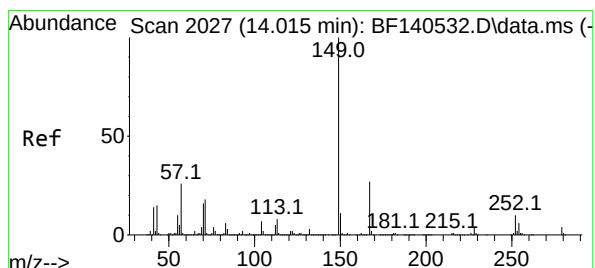
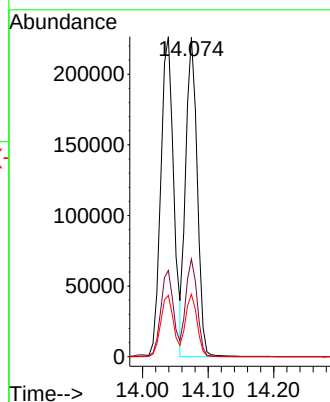
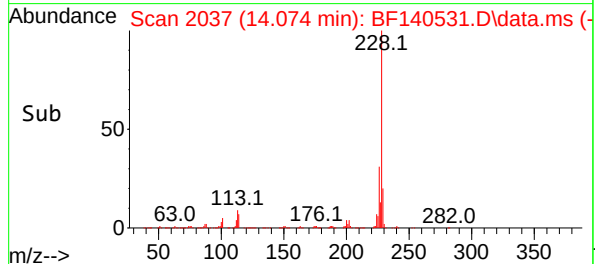
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 275068
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 19.6 15.8 23.6

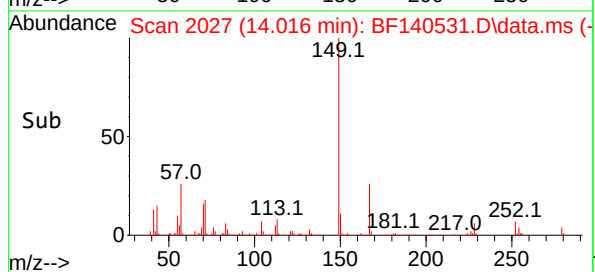
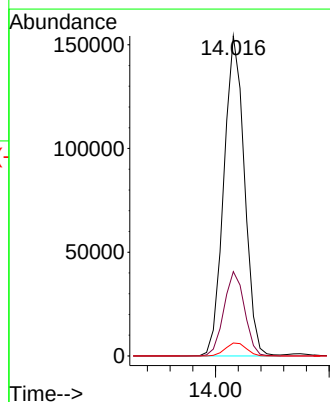
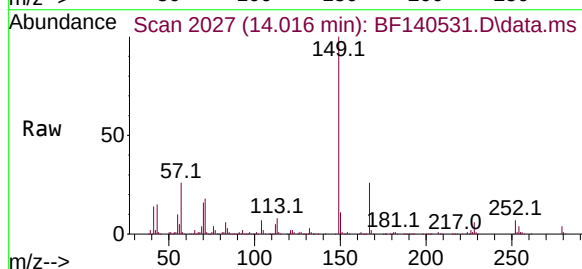
Manual Integrations
APPROVED

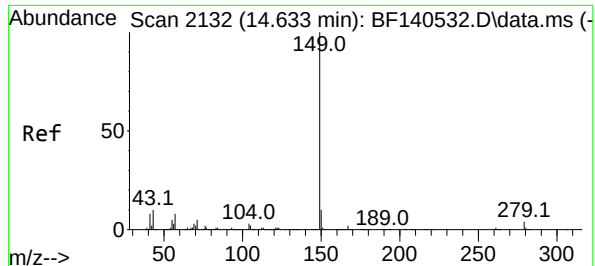
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.484 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

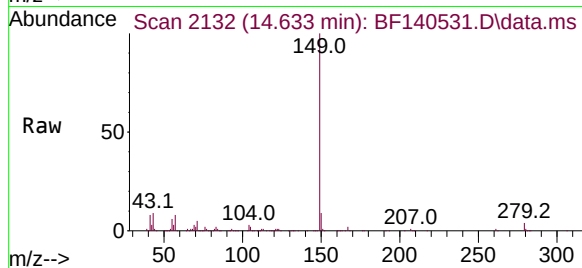
Tgt Ion:149 Resp: 194626
Ion Ratio Lower Upper
149 100
167 26.4 21.2 31.8
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 19.953 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

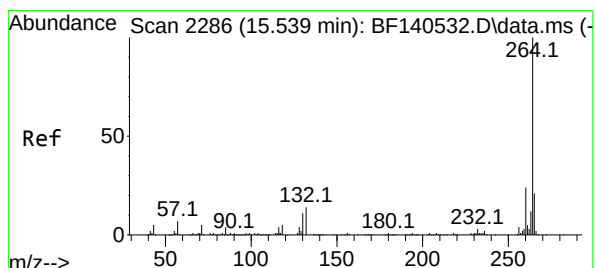
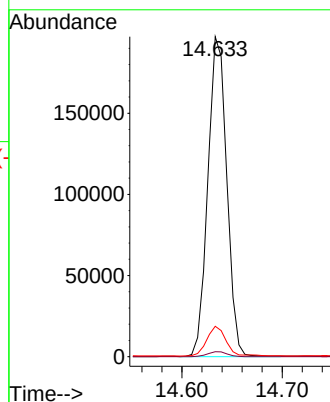
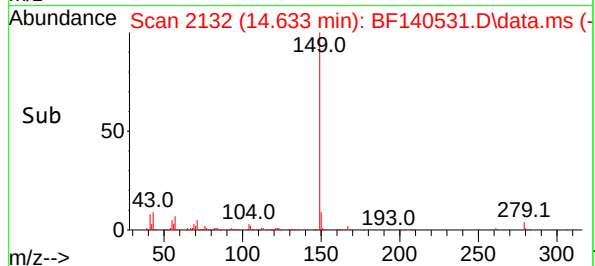
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 259088
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.4 7.7 11.5

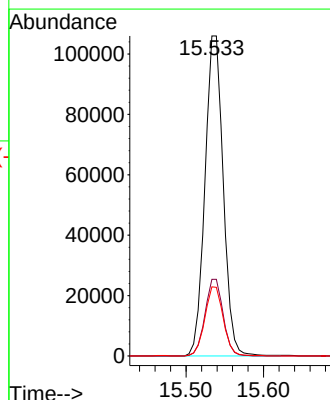
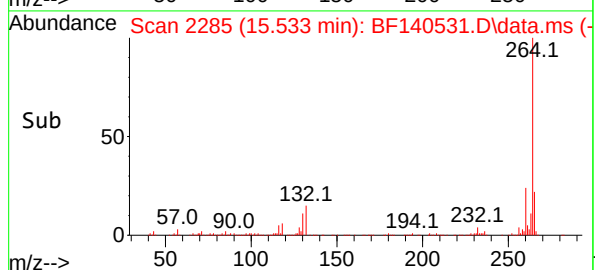
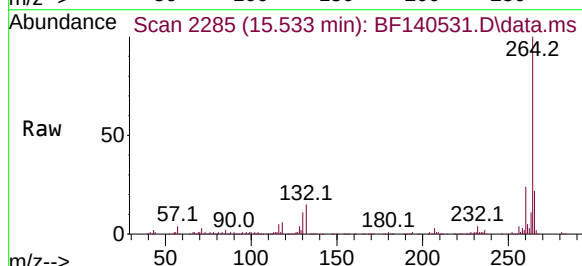
Manual Integrations
APPROVED

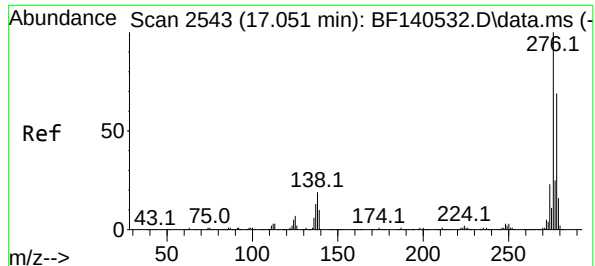
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:264 Resp: 173612
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 21.6 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.930 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:276 Resp: 225489

Ion Ratio Lower Upper

276 100

138 19.6 15.5 23.3

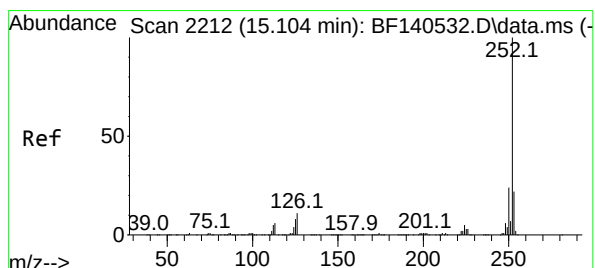
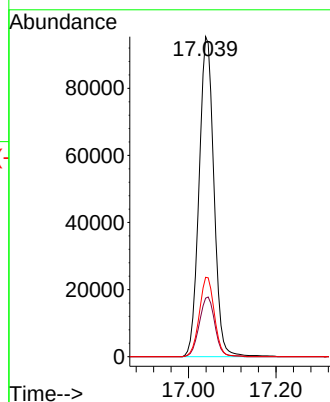
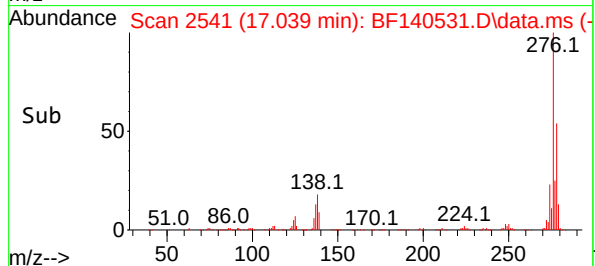
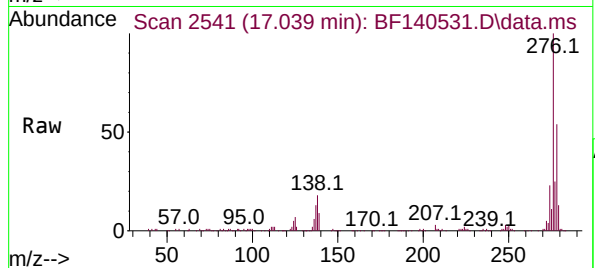
277 25.2 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#88

Benzo(b)fluoranthene

Concen: 21.977 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

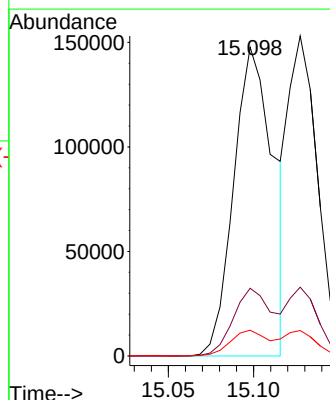
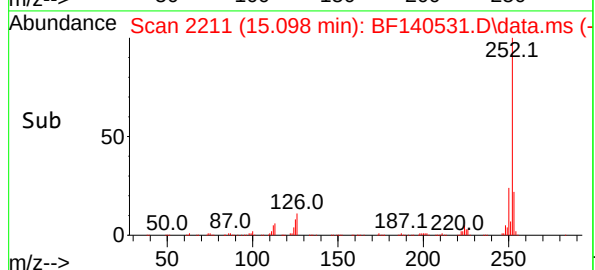
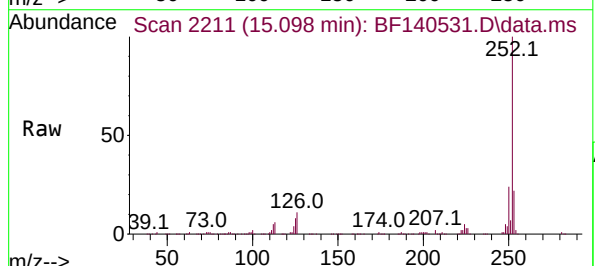
Tgt Ion:252 Resp: 239653

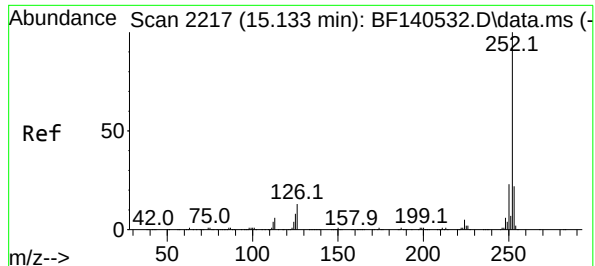
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 19.261 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 18379

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

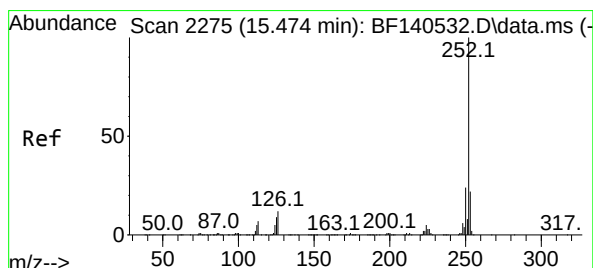
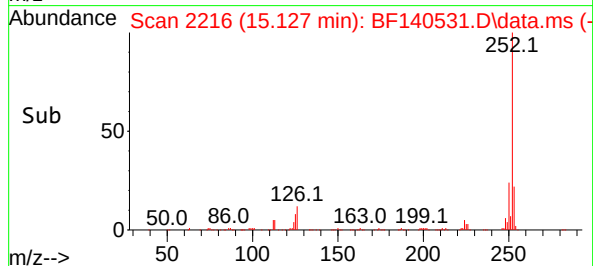
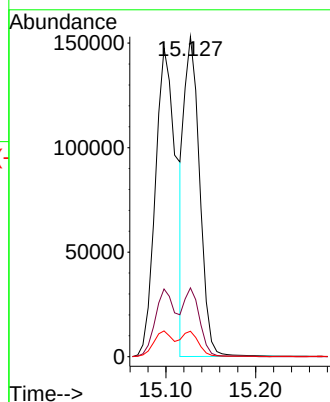
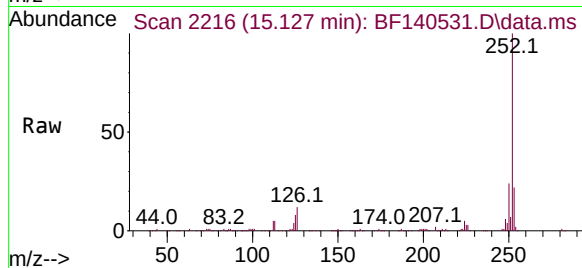
125 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 20.812 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

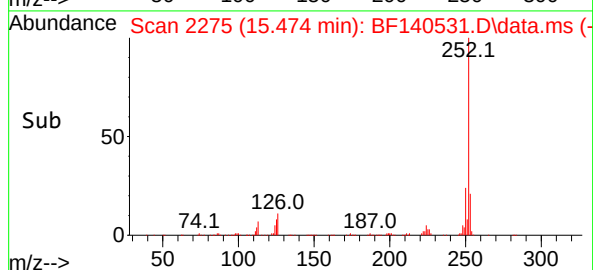
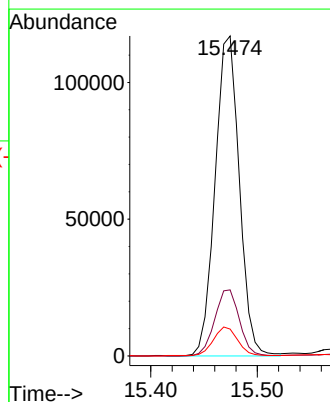
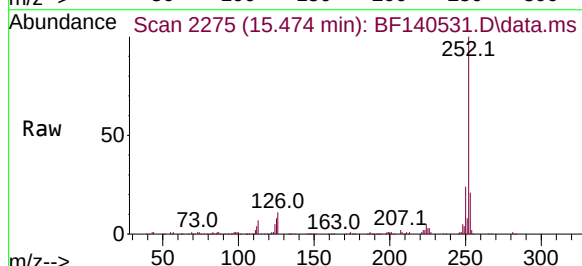
Tgt Ion:252 Resp: 184528

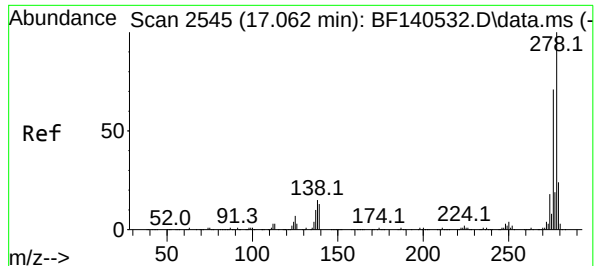
Ion Ratio Lower Upper

252 100

253 20.7 17.3 25.9

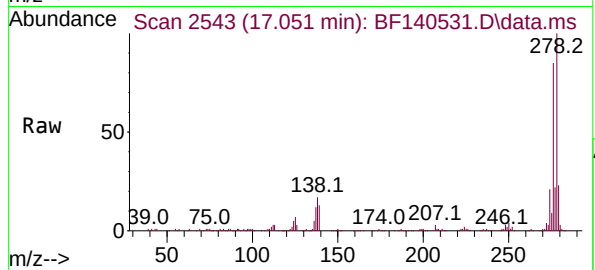
125 8.4 7.0 10.6





#91
Dibenzo(a,h)anthracene
Concen: 19.926 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

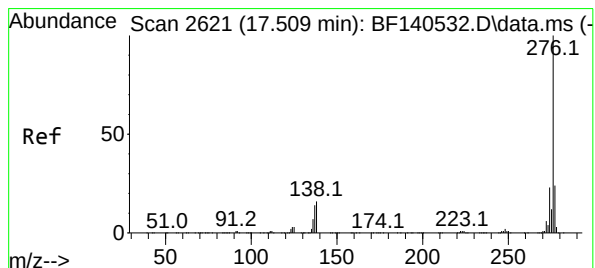
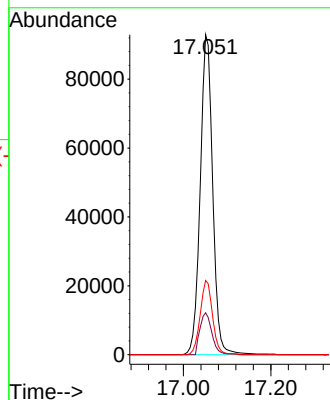
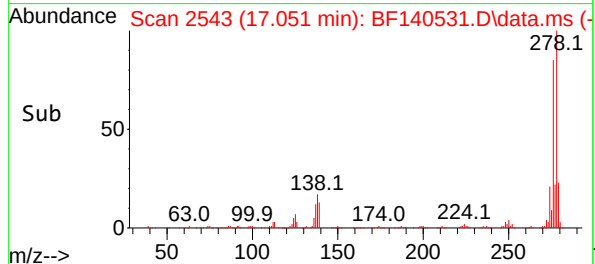
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 184632
Ion Ratio Lower Upper
278 100
139 13.1 10.2 15.4
279 23.2 18.9 28.3

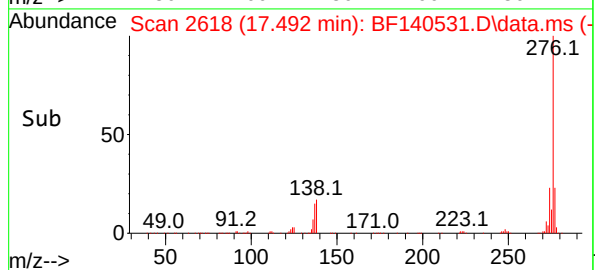
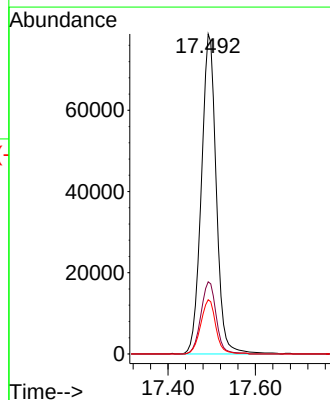
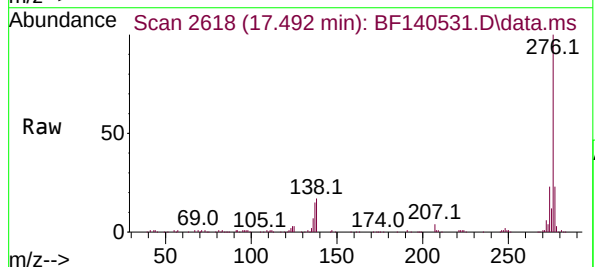
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#92
Benzo(g,h,i)perylene
Concen: 19.795 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.018 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

Tgt Ion:276 Resp: 187164
Ion Ratio Lower Upper
276 100
277 22.5 18.9 28.3
138 17.0 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140532.D
 Acq On : 21 Nov 2024 12:58
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:12:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	107516	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	413408	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	234407	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	437466	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239343	20.000	ng	0.00
86) Perylene-d12	15.539	264	211422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	504816	80.111	ng	0.00
7) Phenol-d6	6.516	99	688812	82.684	ng	0.00
23) Nitrobenzene-d5	7.439	82	648845	80.281	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	202517	80.781	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1210929	76.969	ng	0.00
79) Terphenyl-d14	12.992	244	1228064	79.896	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	105183	39.700	ng	100
3) Pyridine	3.422	79	256255	43.959	ng	100
4) n-Nitrosodimethylamine	3.381	42	139435	40.698	ng	100
6) Aniline	6.540	93	268994	45.875	ng	100
8) 2-Chlorophenol	6.663	128	275937	40.702	ng	100
9) Benzaldehyde	6.428	77	158653	35.975	ng	100
10) Phenol	6.528	94	358490	42.137	ng	100
11) bis(2-Chloroethyl)ether	6.610	93	267847	41.142	ng	100
12) 1,3-Dichlorobenzene	6.816	146	300744	39.480	ng	100
13) 1,4-Dichlorobenzene	6.892	146	307112	39.817	ng	100
14) 1,2-Dichlorobenzene	7.045	146	291347	40.311	ng	100
15) Benzyl Alcohol	7.016	79	263144	42.594	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	314582	40.901	ng	100
17) 2-Methylphenol	7.134	107	223977	41.272	ng	100
18) Hexachloroethane	7.387	117	115481	40.087	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	203356	41.304	ng	100
20) 3+4-Methylphenols	7.287	107	289597	41.517	ng	100
22) Acetophenone	7.287	105	397747	39.464	ng	100
24) Nitrobenzene	7.457	77	331927	39.736	ng	100
25) Isophorone	7.698	82	546985	40.576	ng	100
26) 2-Nitrophenol	7.775	139	149133	40.287	ng	100
27) 2,4-Dimethylphenol	7.810	122	185514	41.885	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	328053	39.946	ng	100
29) 2,4-Dichlorophenol	8.016	162	233140	39.725	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	261862	39.078	ng	100
31) Naphthalene	8.181	128	837233	39.318	ng	100
32) Benzoic acid	7.939	122	146245	39.450	ng	100
33) 4-Chloroaniline	8.228	127	268662	42.139	ng	100
34) Hexachlorobutadiene	8.292	225	175198	39.473	ng	100
35) Caprolactam	8.604	113	74771	41.168	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	270395	41.150	ng	100
37) 2-Methylnaphthalene	8.869	142	537039	39.707	ng	100
38) 1-Methylnaphthalene	8.969	142	527387	39.781	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	263939	38.462	ng	100
41) Hexachlorocyclopentadiene	9.016	237	53531	38.833	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	171374	39.799	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140532.D
 Acq On : 21 Nov 2024 12:58
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:12:33 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 14:50:10 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	189287	40.504	ng	100
46) 1,1'-Biphenyl	9.333	154	678172	38.750	ng	100
47) 2-Chloronaphthalene	9.357	162	518320	39.086	ng	100
48) 2-Nitroaniline	9.457	65	172005	40.410	ng	100
49) Acenaphthylene	9.775	152	779390	38.899	ng	100
50) Dimethylphthalate	9.633	163	608948	39.445	ng	100
51) 2,6-Dinitrotoluene	9.698	165	140922	40.249	ng	100
52) Acenaphthene	9.945	154	498119m	38.394	ng	
53) 3-Nitroaniline	9.869	138	140859	41.134	ng	100
54) 2,4-Dinitrophenol	9.980	184	65546	40.435	ng	100
55) Dibenzofuran	10.122	168	760308	39.153	ng	100
56) 4-Nitrophenol	10.039	139	97133	41.591	ng	100
57) 2,4-Dinitrotoluene	10.104	165	189213	40.662	ng	100
58) Fluorene	10.463	166	607198	38.956	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	146383	40.757	ng	100
60) Diethylphthalate	10.333	149	614490	39.176	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	299662	39.175	ng	100
62) 4-Nitroaniline	10.486	138	146354	40.750	ng	100
63) Azobenzene	10.616	77	579042	38.983	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	96120	42.998	ng	100
66) n-Nitrosodiphenylamine	10.575	169	505450	39.070	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	174746	38.787	ng	100
68) Hexachlorobenzene	11.016	284	204123	39.129	ng	100
69) Atrazine	11.098	200	122413	33.635	ng	100
70) Pentachlorophenol	11.210	266	101542	44.226	ng	100
71) Phenanthrene	11.427	178	826269	39.293	ng	100
72) Anthracene	11.480	178	808988	39.329	ng	100
73) Carbazole	11.639	167	778112	39.322	ng	100
74) Di-n-butylphthalate	11.957	149	895236	39.186	ng	100
75) Fluoranthene	12.621	202	886900	38.845	ng	100
77) Benzidine	12.739	184	275047	39.525	ng	100
78) Pyrene	12.851	202	887193	40.090	ng	100
80) Butylbenzylphthalate	13.463	149	324879	40.751	ng	100
81) Benzo(a)anthracene	14.039	228	615808	38.868	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	197667	41.554	ng	100
83) Chrysene	14.080	228	575079	39.696	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	398677	39.604	ng	100
85) Di-n-octyl phthalate	14.633	149	541933	39.393	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	551596	40.034	ng	100
88) Benzo(b)fluoranthene	15.104	252	501607	37.772	ng	100
89) Benzo(k)fluoranthene	15.133	252	465620	40.067	ng	100
90) Benzo(a)pyrene	15.474	252	425894	39.444	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	451597	40.022	ng	100
92) Benzo(g,h,i)perylene	17.509	276	458972	39.861	ng	100

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

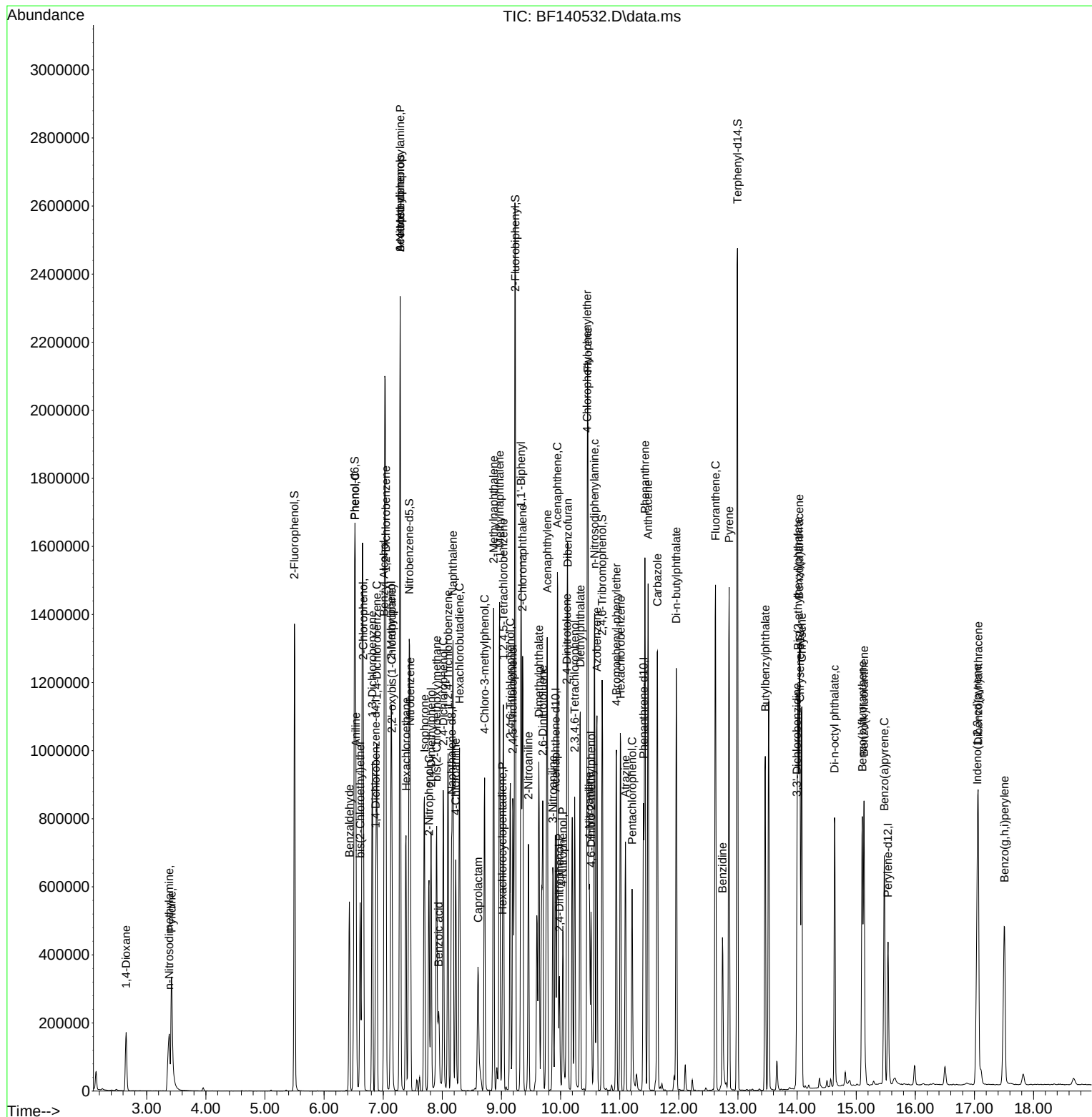
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140532.D
Acq On : 21 Nov 2024 12:58
Operator : RC/JU
Sample : SSTDICC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

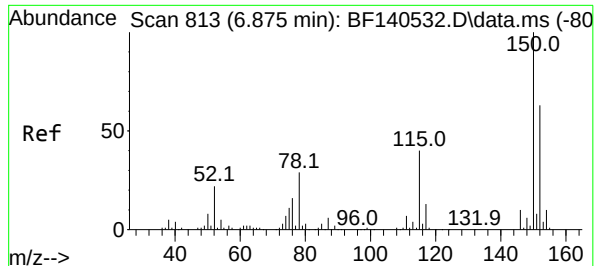
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

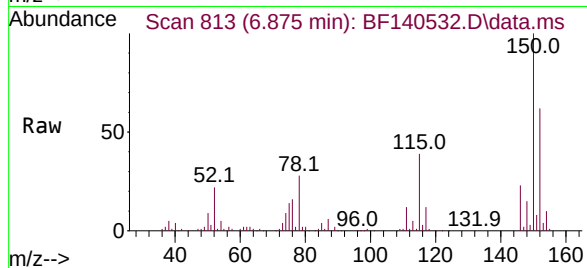
Quant Time: Nov 21 15:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

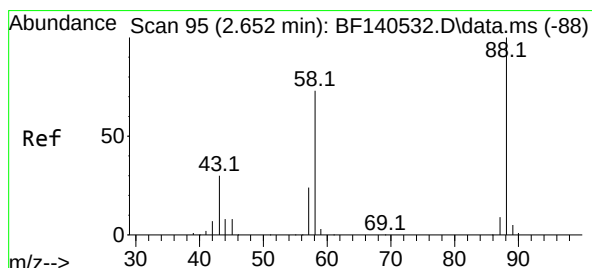
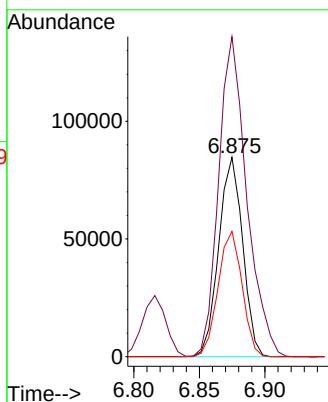
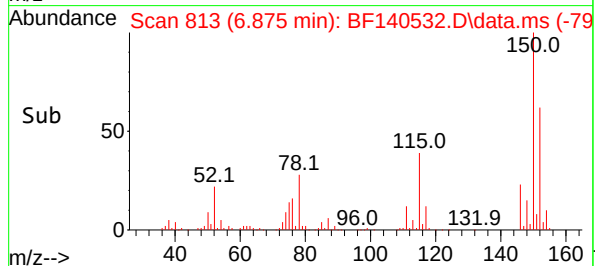
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 107510
Ion Ratio Lower Upper
152 100
150 160.6 128.5 192.7
115 62.8 50.2 75.4

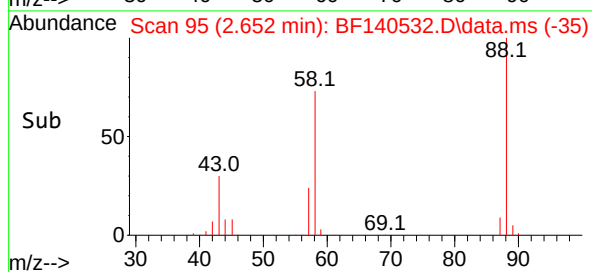
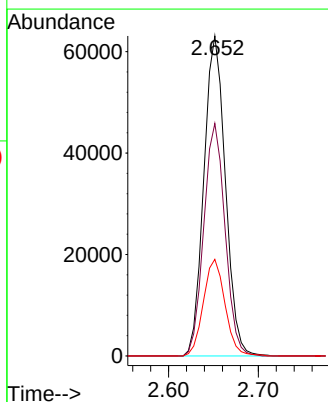
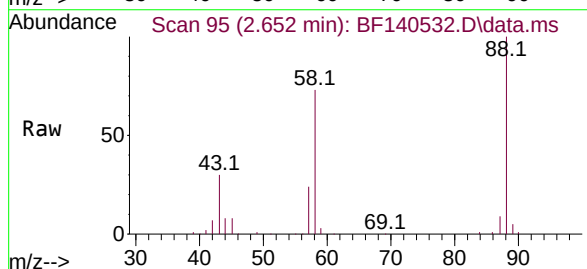
Manual Integrations
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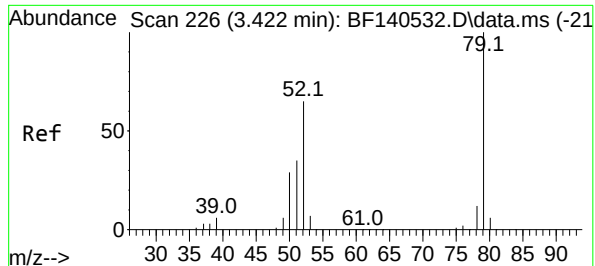
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 39.700 ng
RT: 2.652 min Scan# 95
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion: 88 Resp: 105183
Ion Ratio Lower Upper
88 100
58 71.8 57.4 86.2
43 30.4 24.3 36.5





#3

Pyridine

Concen: 43.959 ng

RT: 3.422 min Scan# 219

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 25625

Ion Ratio Lower Upper

79 100

52 65.1 52.1 78.1

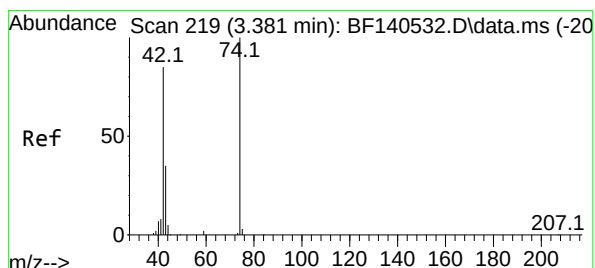
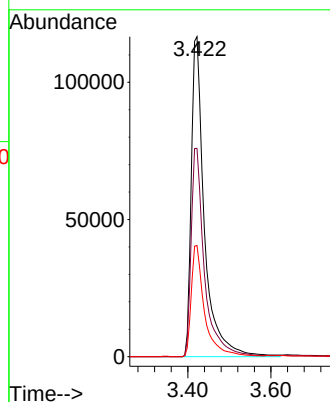
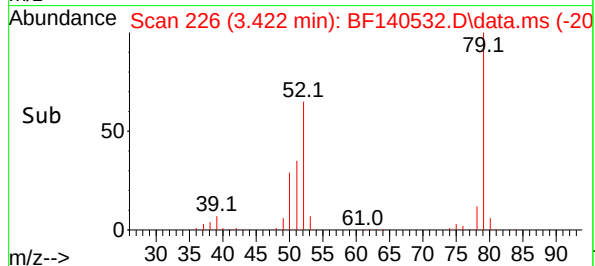
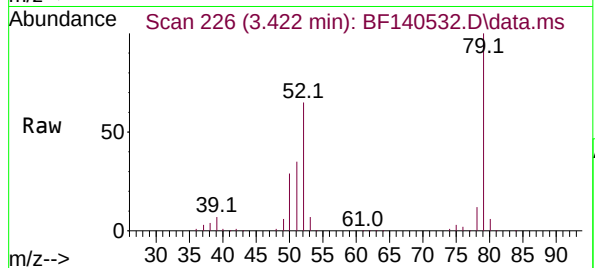
51 34.8 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 40.698 ng

RT: 3.381 min Scan# 219

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

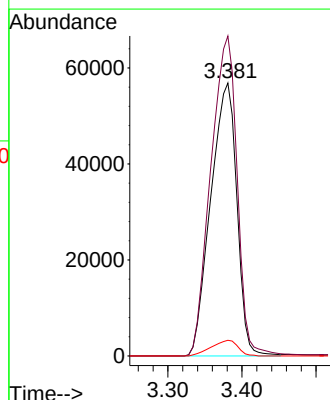
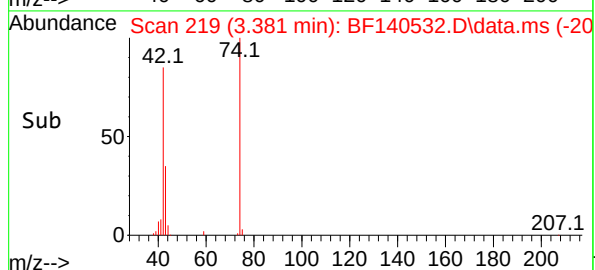
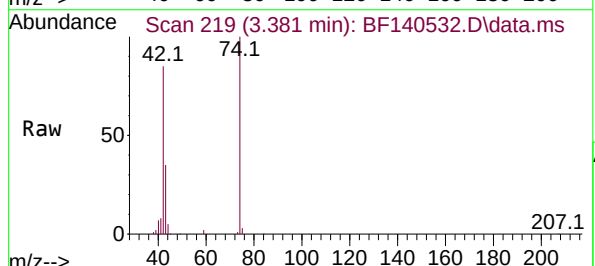
Tgt Ion: 42 Resp: 139435

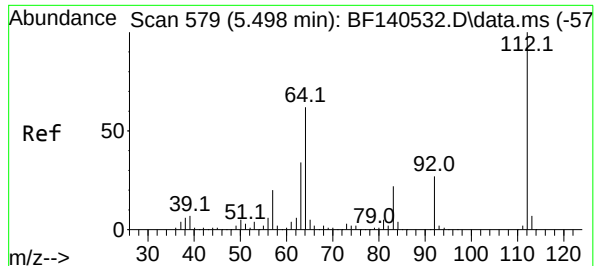
Ion Ratio Lower Upper

42 100

74 117.2 93.8 140.6

44 5.7 4.6 6.8





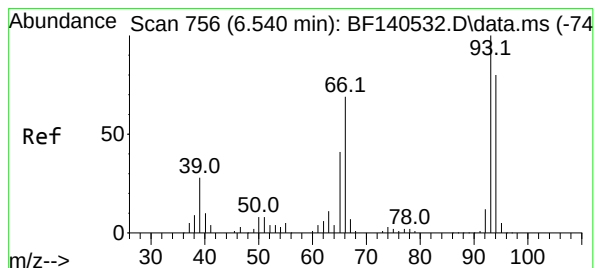
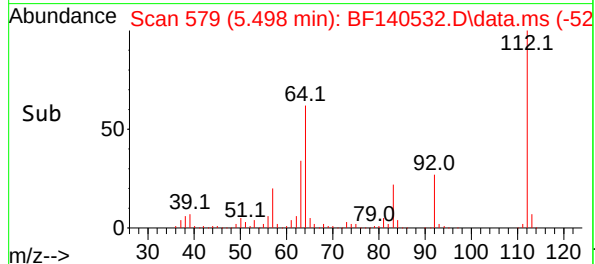
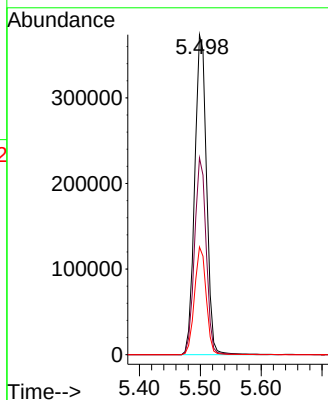
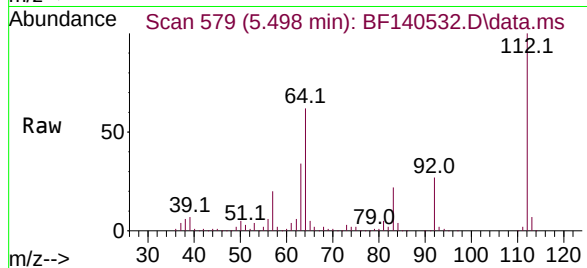
#5
2-Fluorophenol
Concen: 80.111 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 504810
Ion Ratio Lower Upper
112 100
64 61.5 49.2 73.8
63 33.7 27.0 40.4

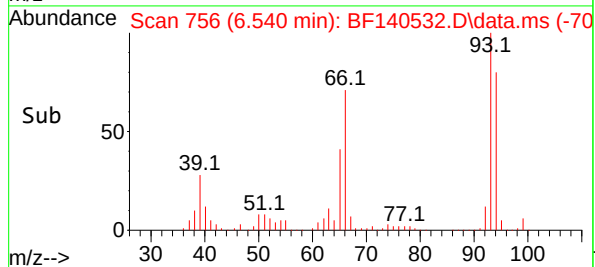
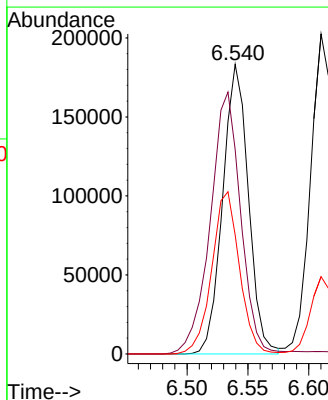
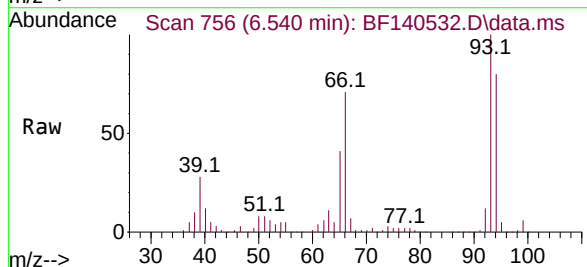
Manual Integrations
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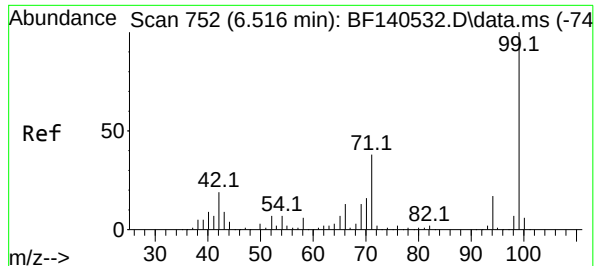
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#6
Aniline
Concen: 45.875 ng
RT: 6.540 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion: 93 Resp: 268994
Ion Ratio Lower Upper
93 100
66 70.6 56.5 84.7
65 41.1 32.9 49.3





#7

Phenol-d6

Concen: 82.684 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 68881

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.0

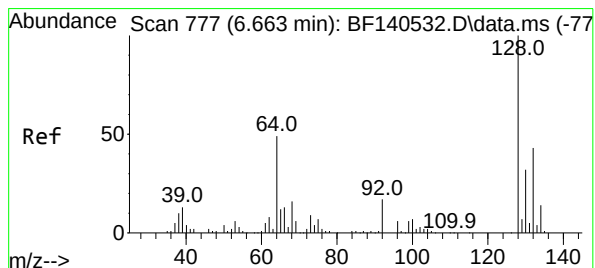
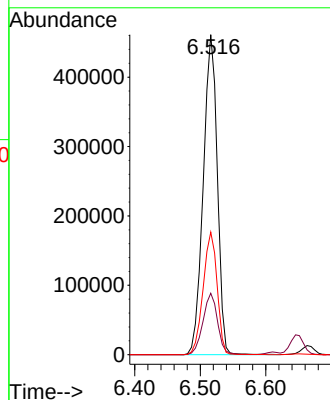
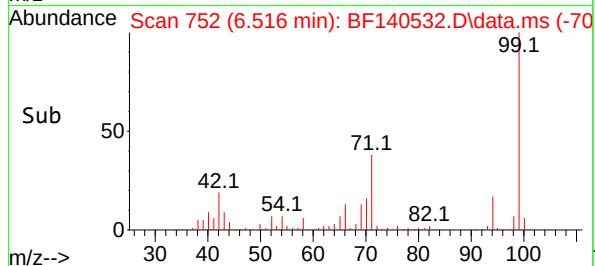
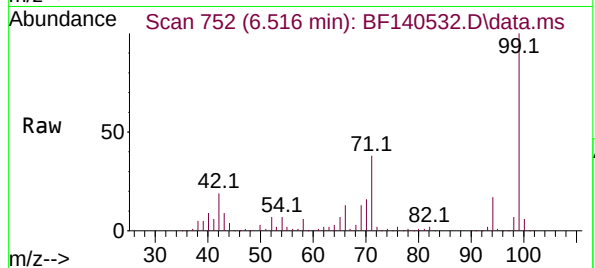
71 38.3 30.6 46.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#8

2-Chlorophenol

Concen: 40.702 ng

RT: 6.663 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

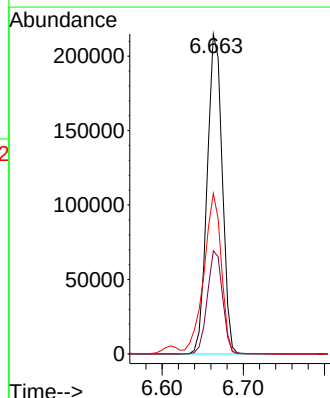
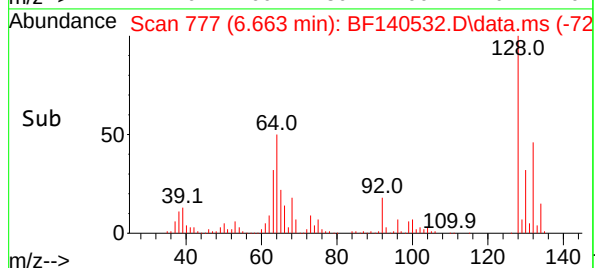
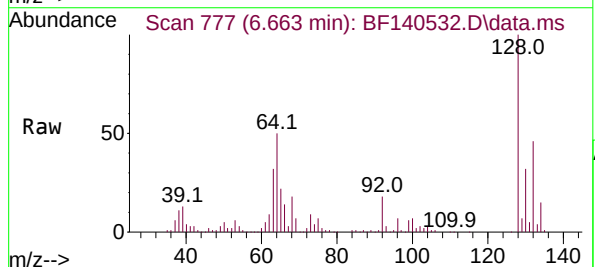
Tgt Ion:128 Resp: 275937

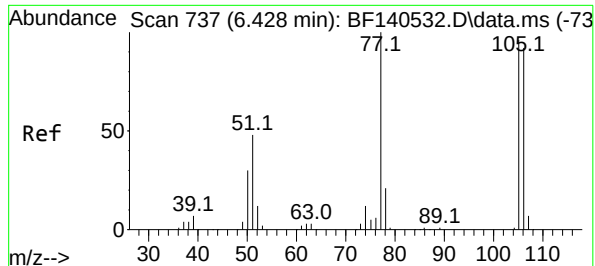
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 50.2 30.2 70.2





#9

Benzaldehyde

Concen: 35.975 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 15865

Ion Ratio Lower Upper

77 100

105 95.6 75.6 115.6

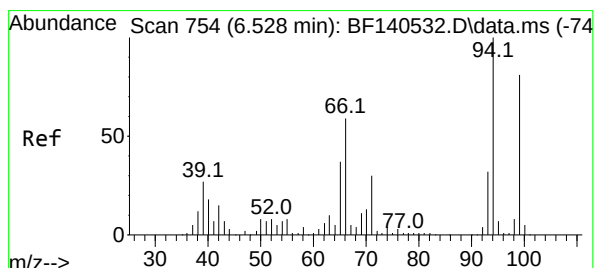
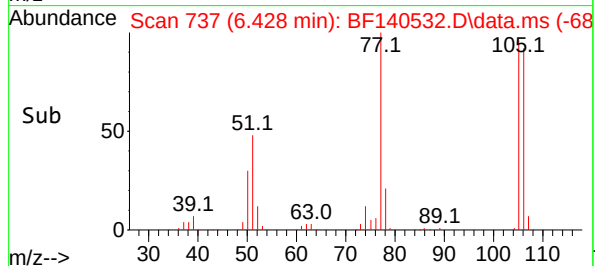
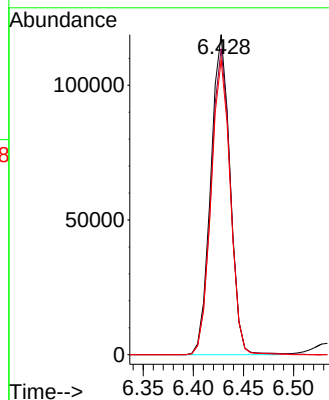
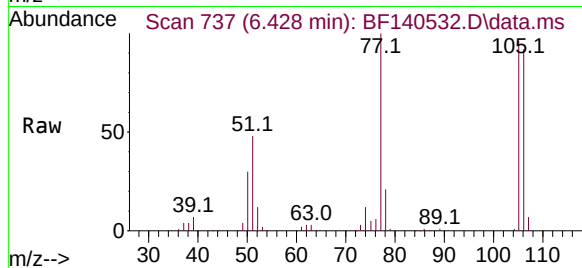
106 92.0 72.0 112.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 42.137 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

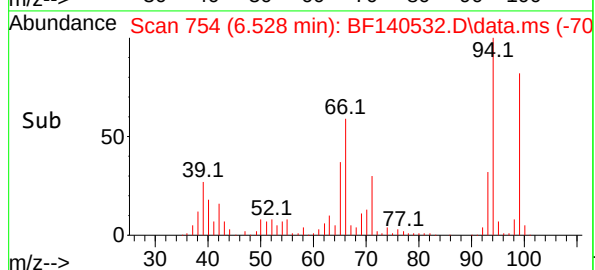
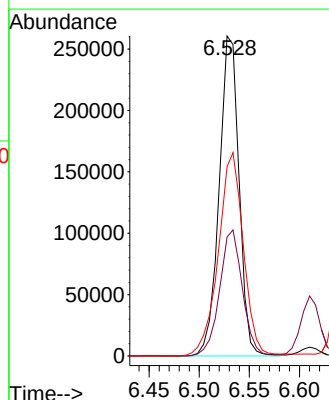
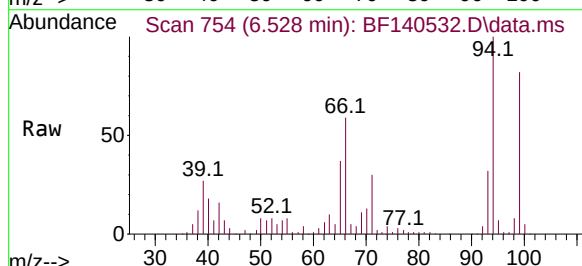
Tgt Ion: 94 Resp: 358490

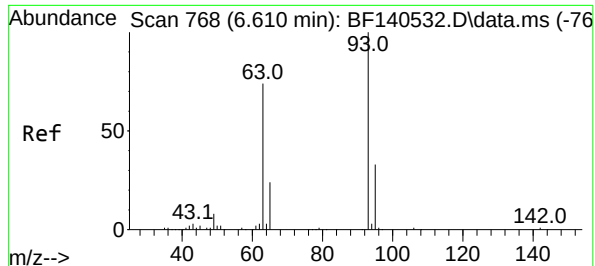
Ion Ratio Lower Upper

94 100

65 37.2 17.2 57.2

66 59.2 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 41.142 ng

RT: 6.610 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 26784

Ion Ratio Lower Upper

93 100

63 72.8 52.8 92.8

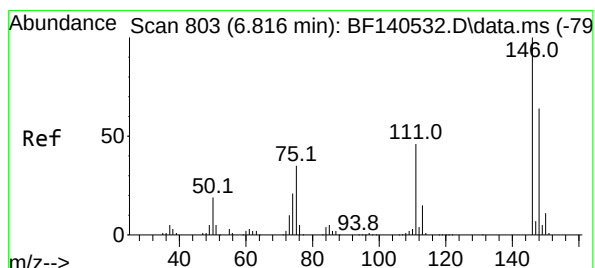
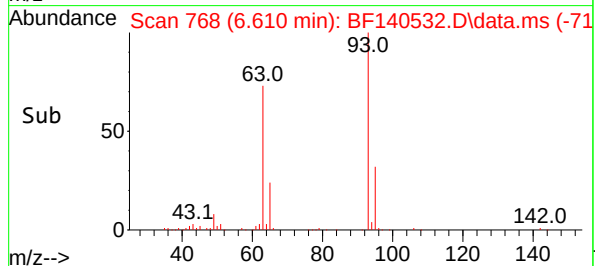
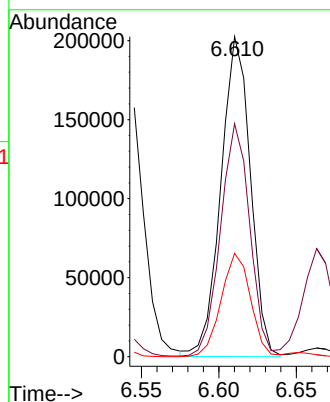
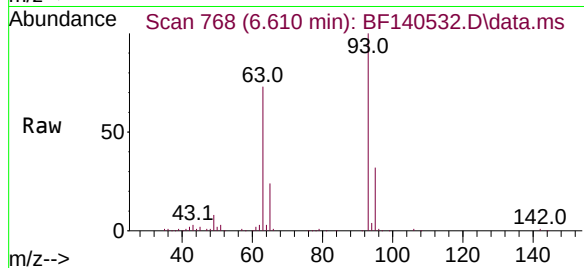
95 32.3 12.3 52.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#12

1,3-Dichlorobenzene

Concen: 39.480 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

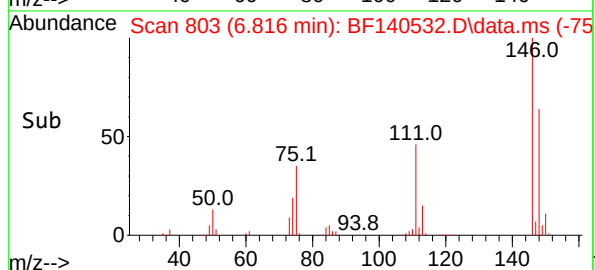
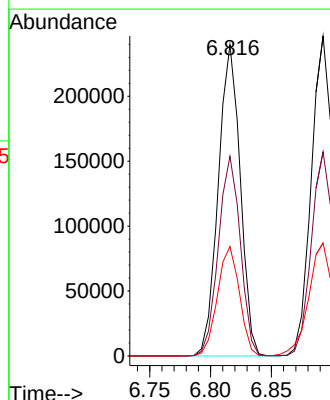
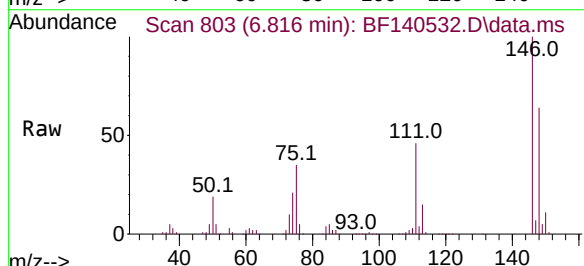
Tgt Ion:146 Resp: 300744

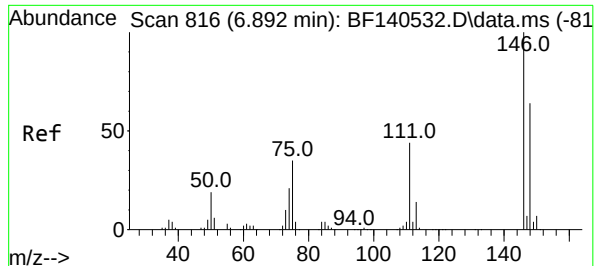
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.817 ng

RT: 6.892 min Scan# 816

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 30711

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

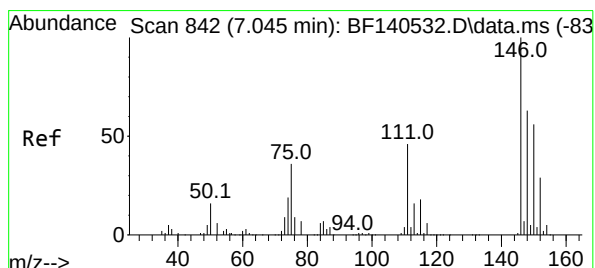
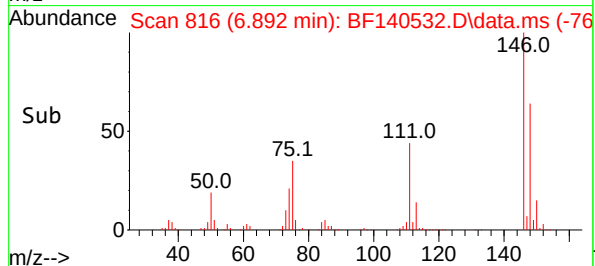
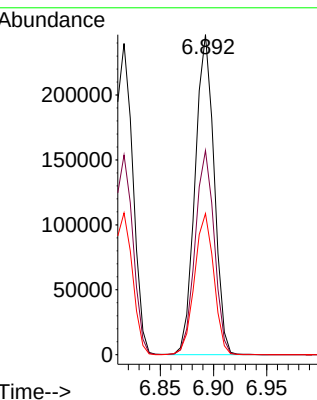
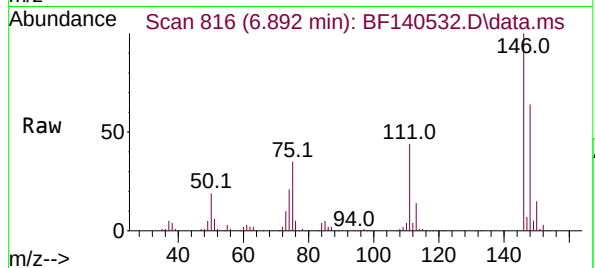
111 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#14

1,2-Dichlorobenzene

Concen: 40.311 ng

RT: 7.045 min Scan# 842

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

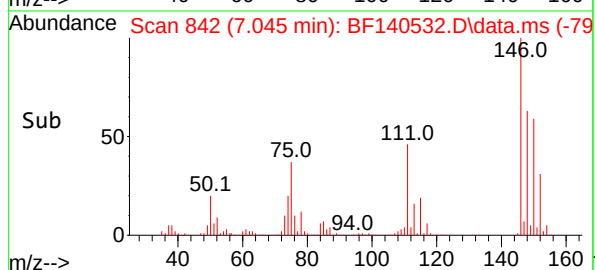
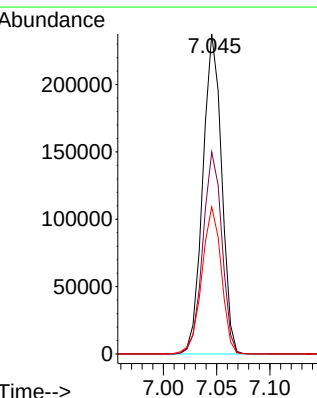
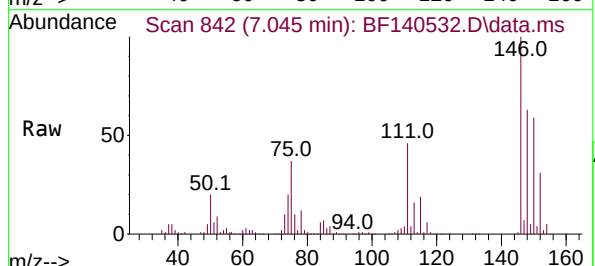
Tgt Ion:146 Resp: 291347

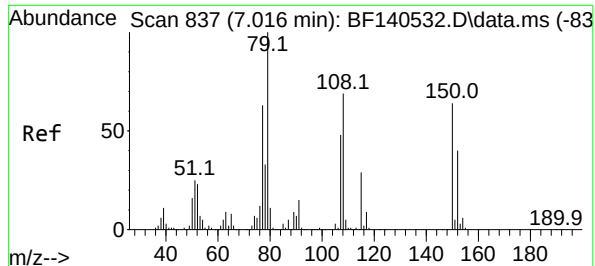
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 42.594 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 263144

Ion Ratio Lower Upper

79 100

108 68.8 55.0 82.6

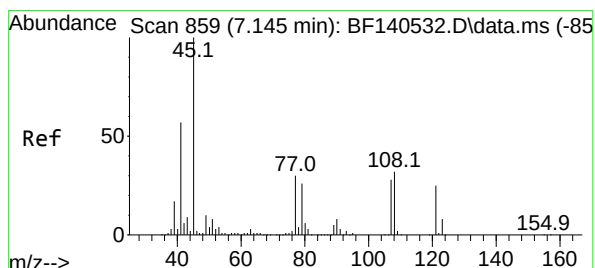
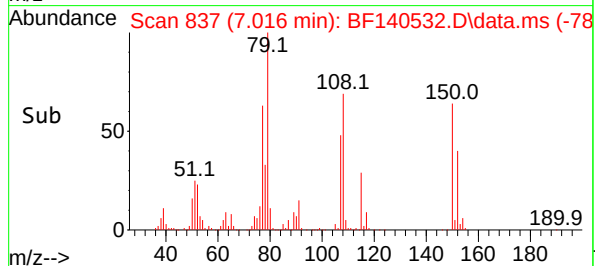
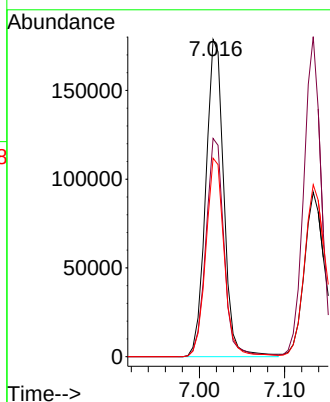
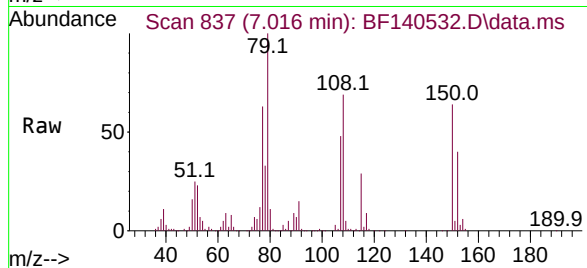
77 62.6 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.901 ng

RT: 7.145 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

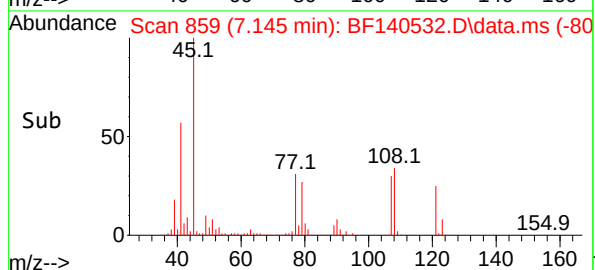
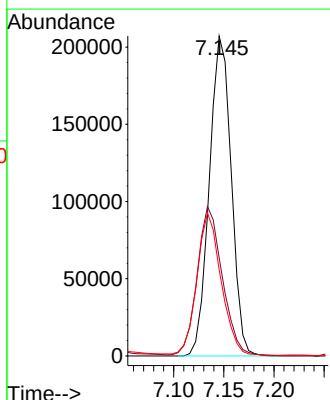
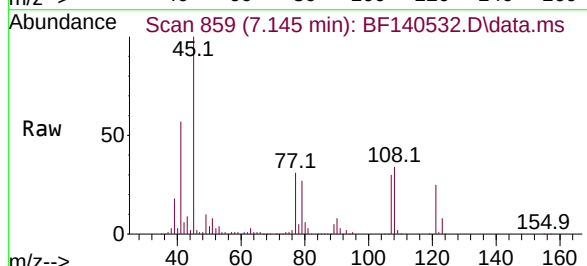
Tgt Ion: 45 Resp: 314582

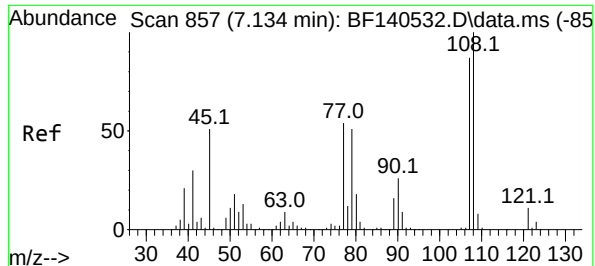
Ion Ratio Lower Upper

45 100

77 30.7 10.7 50.7

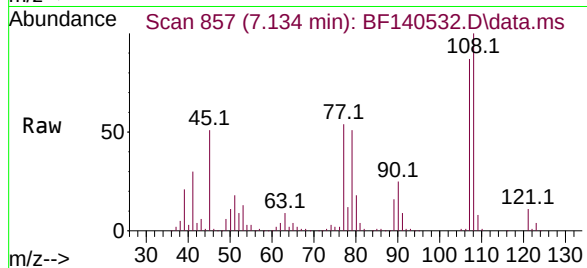
79 27.0 7.0 47.0





#17
2-Methylphenol
Concen: 41.272 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

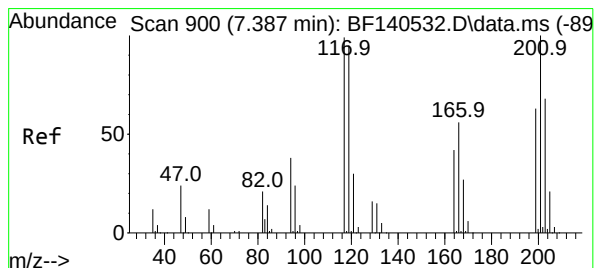
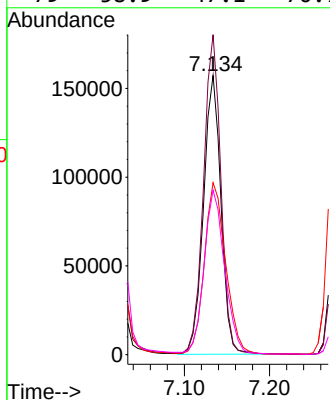
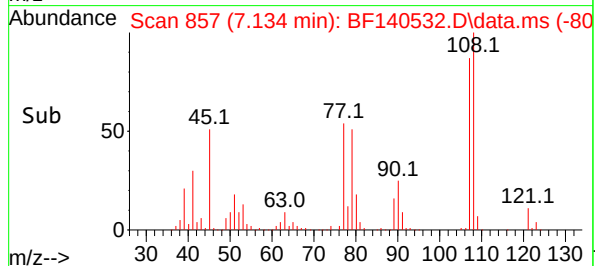
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



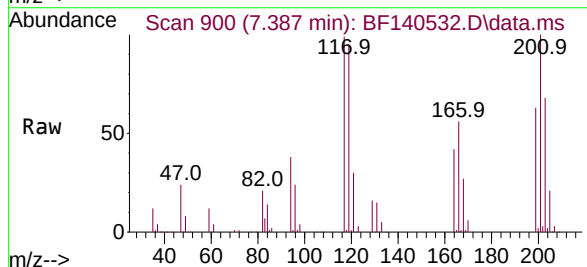
Tgt Ion:107 Resp: 22397
Ion Ratio Lower Upper
107 100
108 114.6 91.7 137.5
77 61.6 49.3 73.9
79 58.9 47.1 70.7

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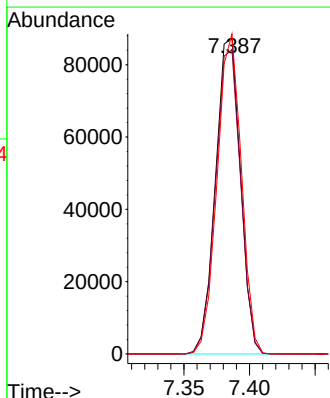
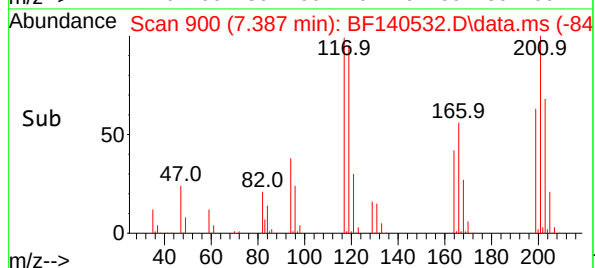
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

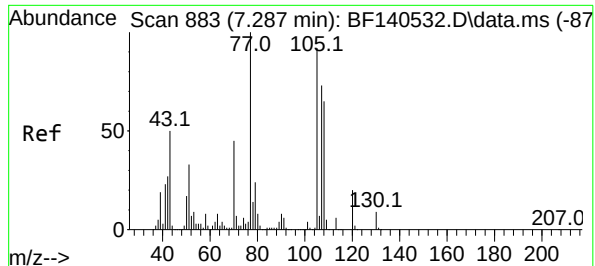


#18
Hexachloroethane
Concen: 40.087 ng
RT: 7.387 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



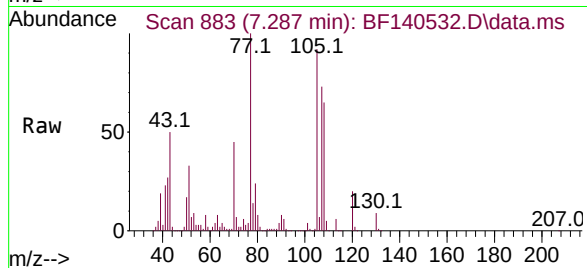
Tgt Ion:117 Resp: 115481
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
201 101.4 81.1 121.7





#19
n-Nitroso-di-n-propylamine
Concen: 41.304 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

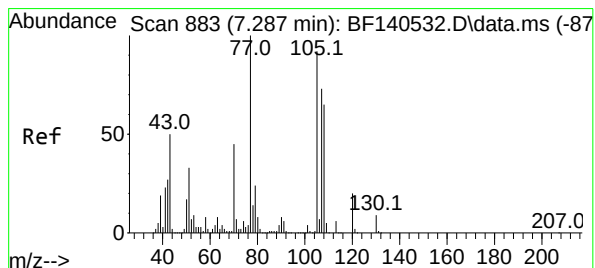
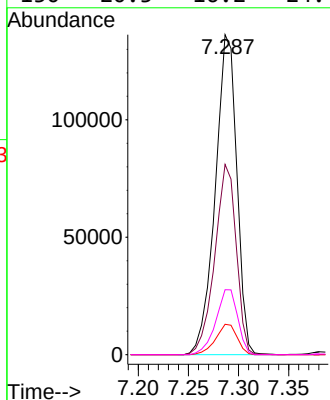
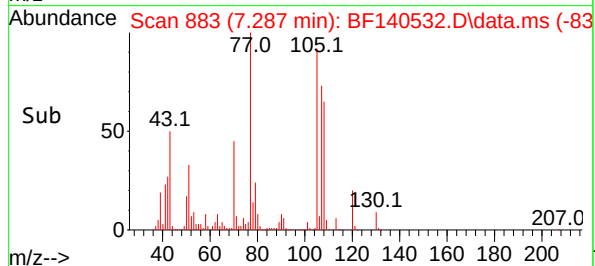
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 70 Resp: 203350
Ion Ratio Lower Upper
70 100
42 59.5 47.6 71.4
101 9.5 7.6 11.4
130 20.3 16.2 24.4

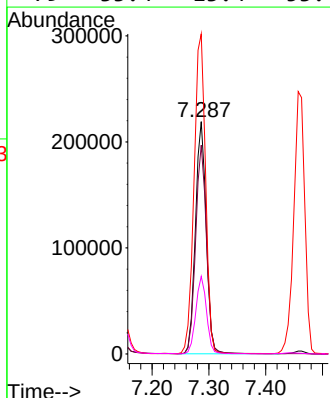
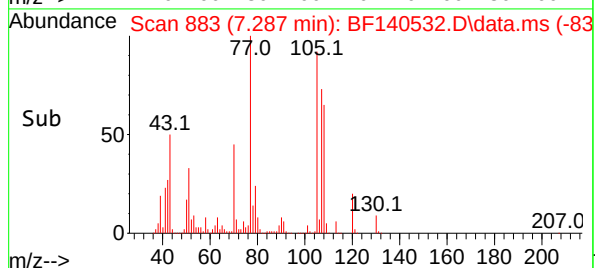
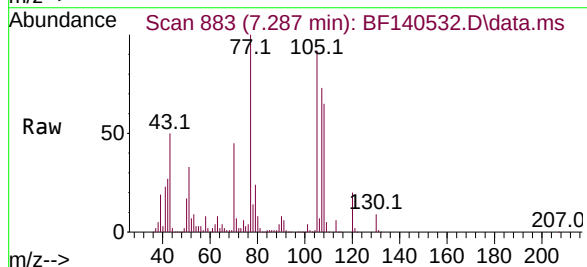
Manual Integrations
APPROVED

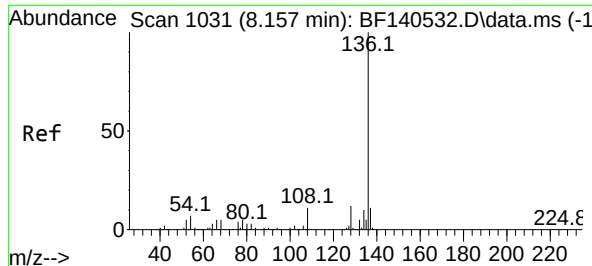
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#20
3+4-Methylphenols
Concen: 41.517 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:107 Resp: 289597
Ion Ratio Lower Upper
107 100
108 89.9 69.9 109.9
77 137.7 117.7 157.7
79 33.4 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 413408

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.3 5.8 8.8

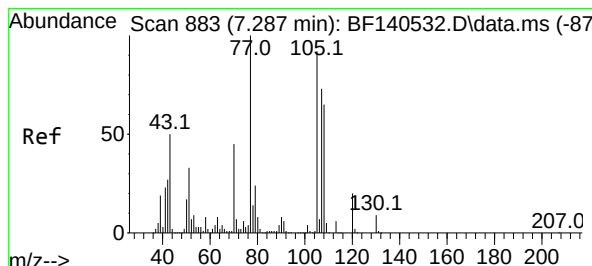
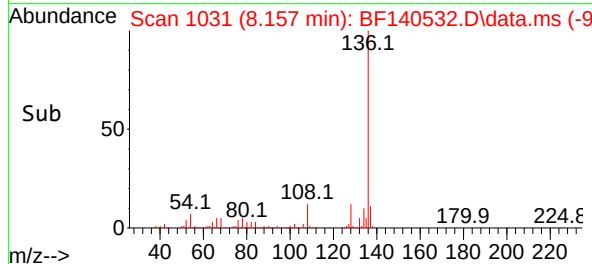
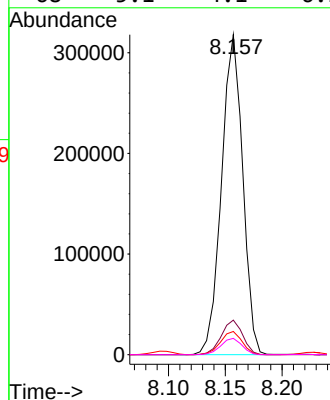
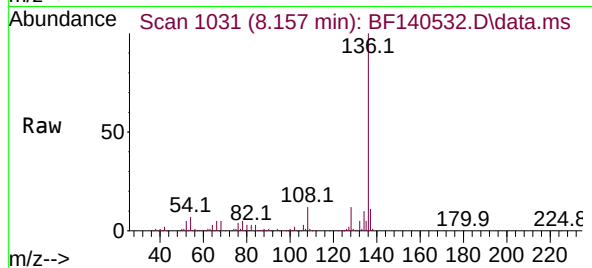
68 5.1 4.1 6.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#22

Acetophenone

Concen: 39.464 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion:105 Resp: 397747

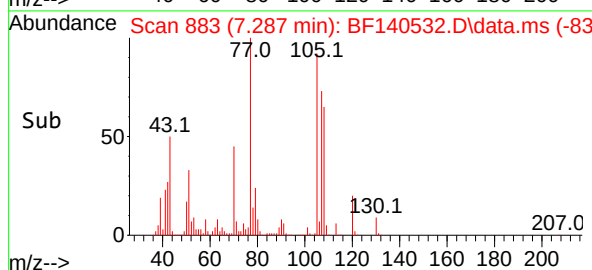
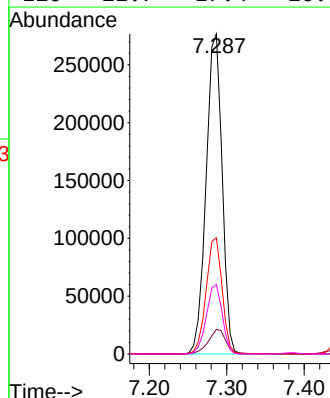
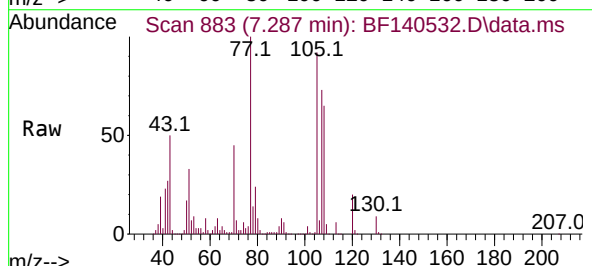
Ion Ratio Lower Upper

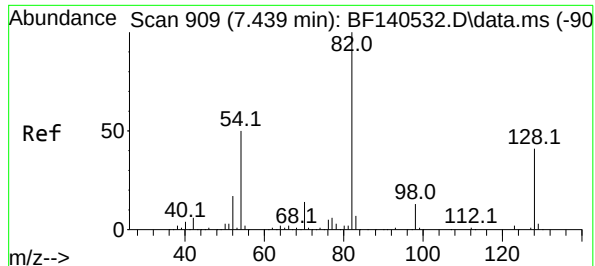
105 100

71 7.7 6.2 9.2

51 36.3 29.0 43.6

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 80.281 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 64884

Ion Ratio Lower Upper

82 100

128 41.2 33.0 49.4

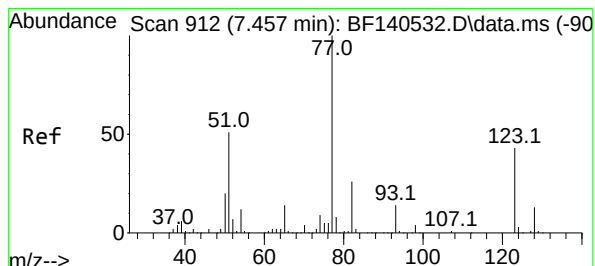
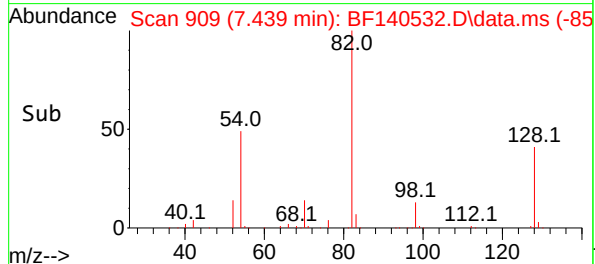
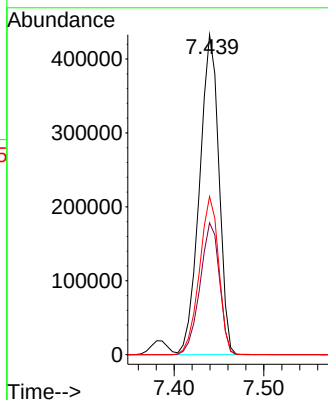
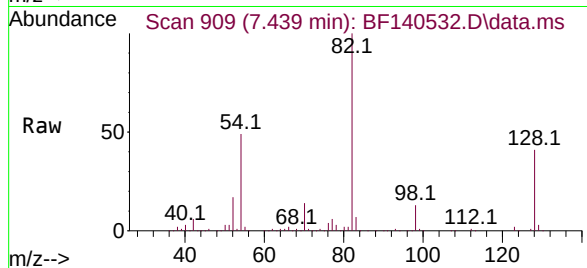
54 49.4 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 39.736 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

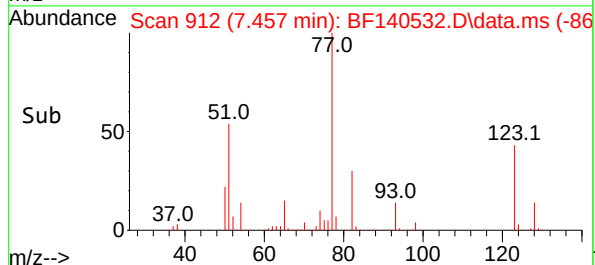
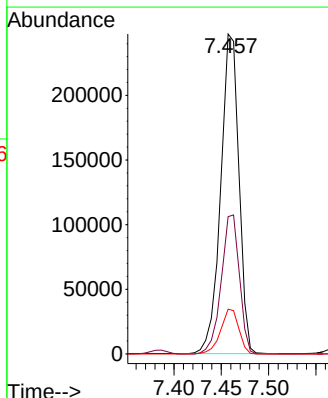
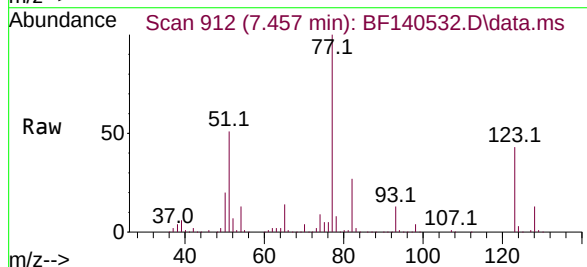
Tgt Ion: 77 Resp: 331927

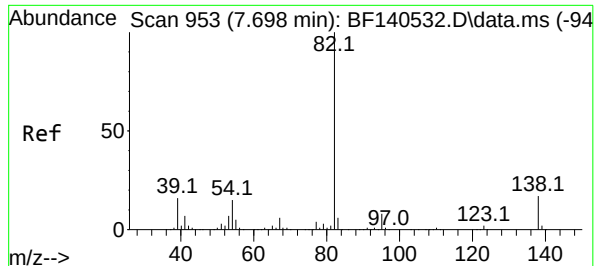
Ion Ratio Lower Upper

77 100

123 42.9 34.3 51.5

65 14.0 11.2 16.8





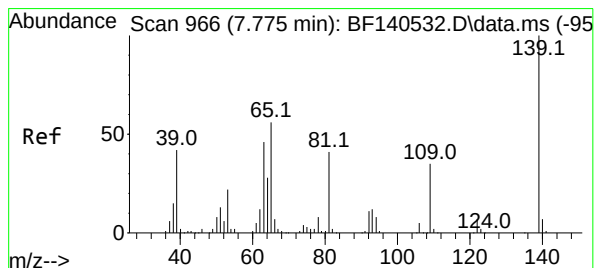
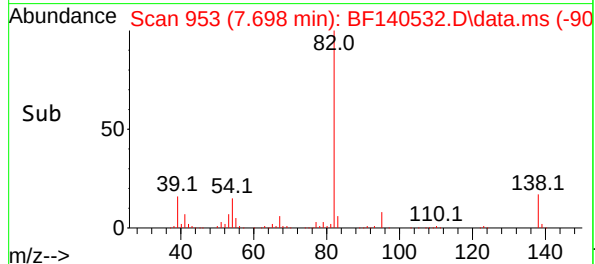
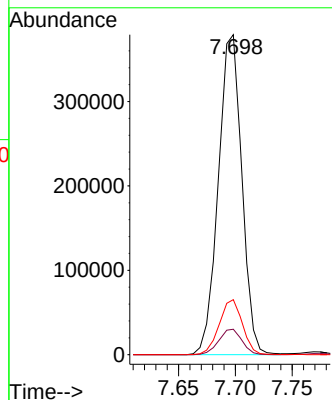
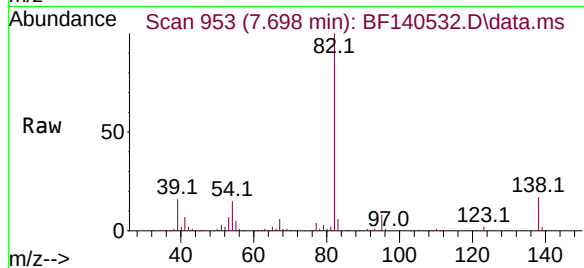
#25
Isophorone
Concen: 40.576 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

Tgt Ion: 82 Resp: 54698
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 17.2 13.8 20.6

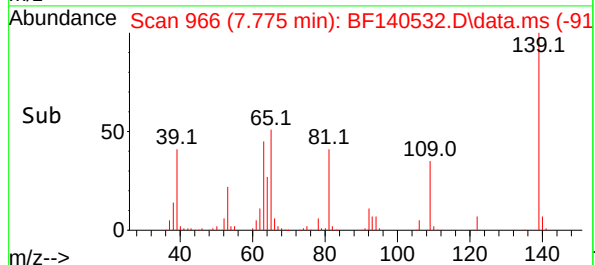
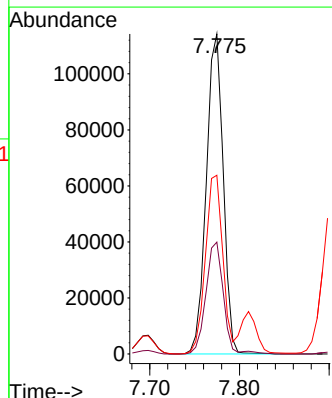
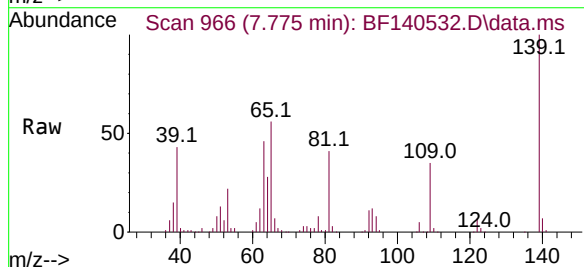
Manual Integrations
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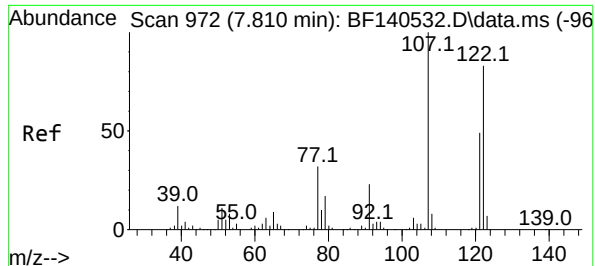
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#26
2-Nitrophenol
Concen: 40.287 ng
RT: 7.775 min Scan# 966
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:139 Resp: 149133
Ion Ratio Lower Upper
139 100
109 35.0 28.0 42.0
65 55.8 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 41.885 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 185514

Ion Ratio Lower Upper

122 100

107 121.0 96.8 145.2

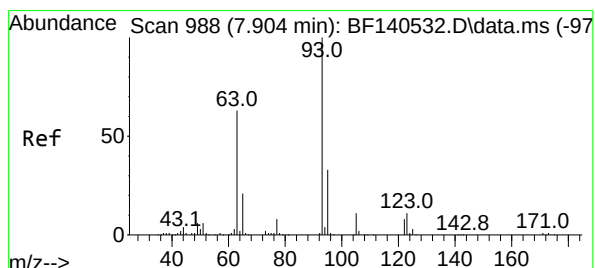
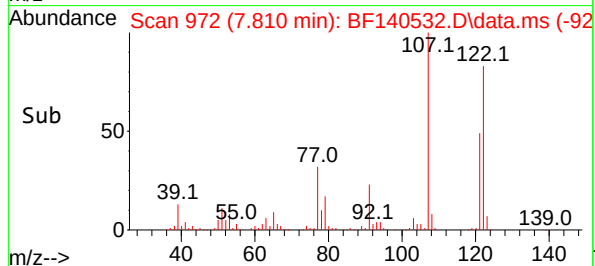
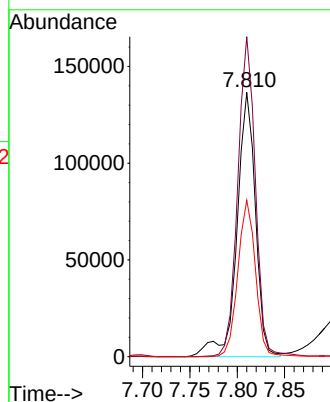
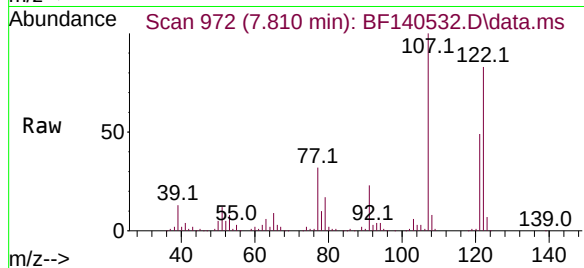
121 59.2 47.4 71.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.946 ng

RT: 7.904 min Scan# 988

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

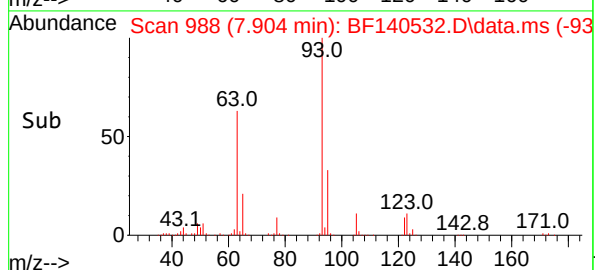
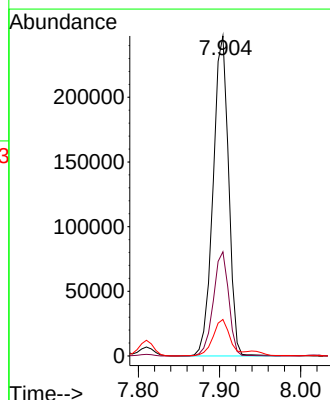
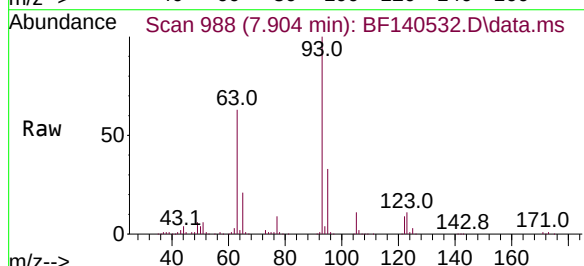
Tgt Ion: 93 Resp: 328053

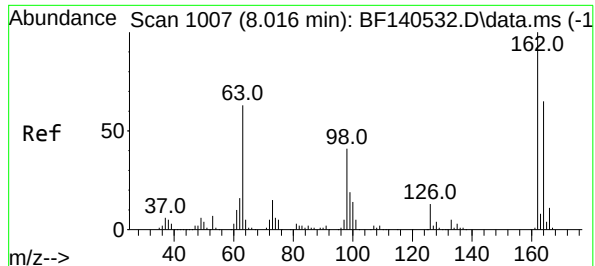
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.725 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF140532.D

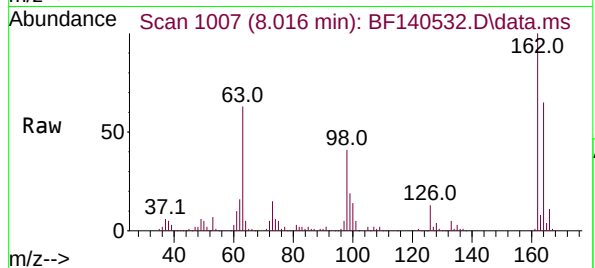
Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 233140

Ion Ratio Lower Upper

162 100

164 64.8 44.8 84.8

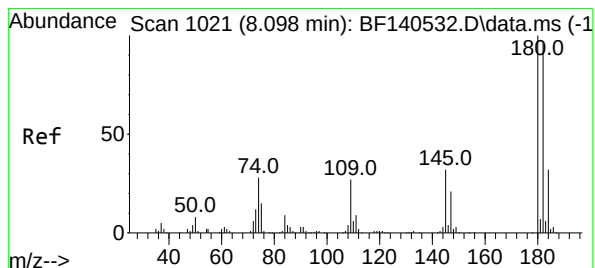
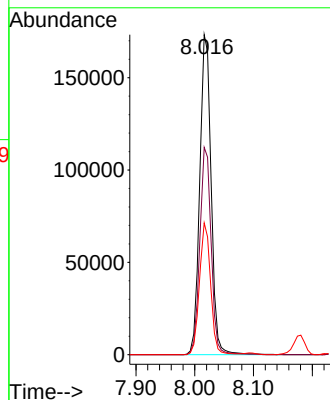
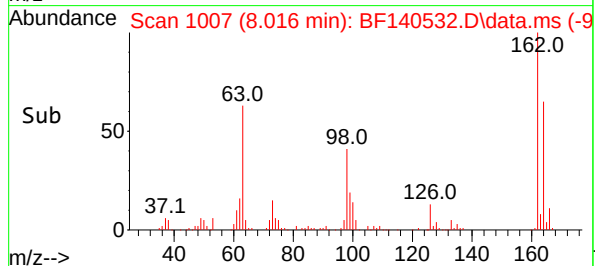
98 41.2 21.2 61.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#30

1,2,4-Trichlorobenzene

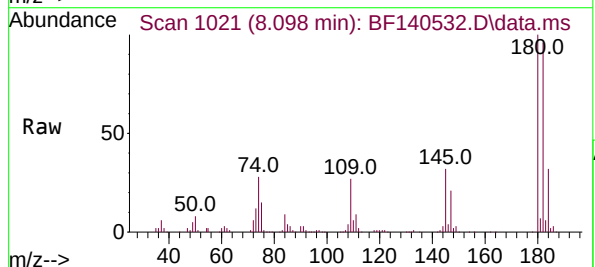
Concen: 39.078 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58



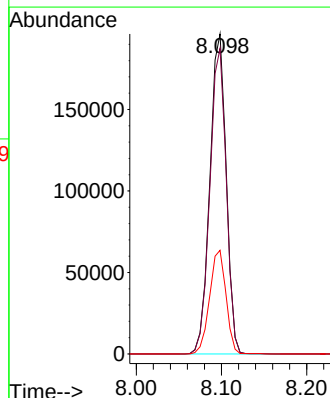
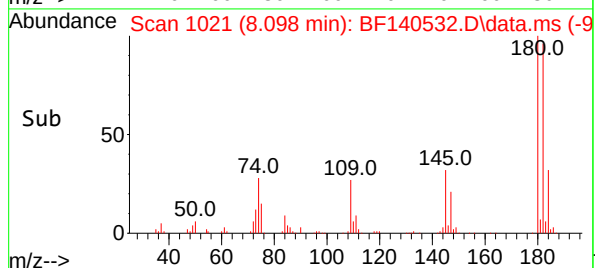
Tgt Ion:180 Resp: 261862

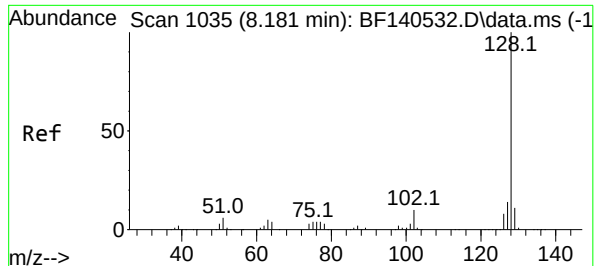
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.4 25.9 38.9





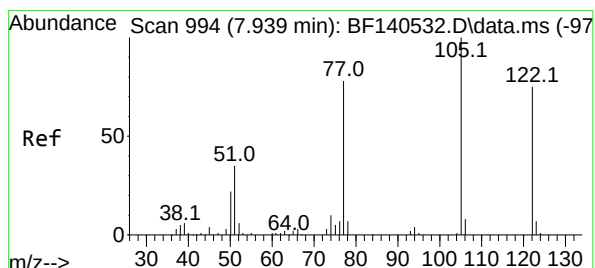
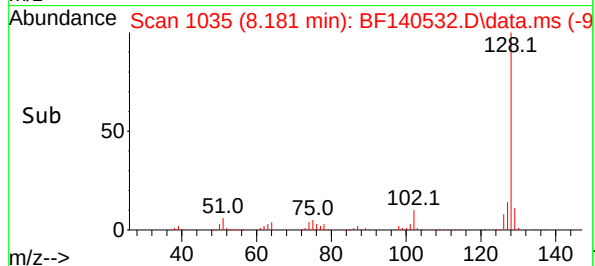
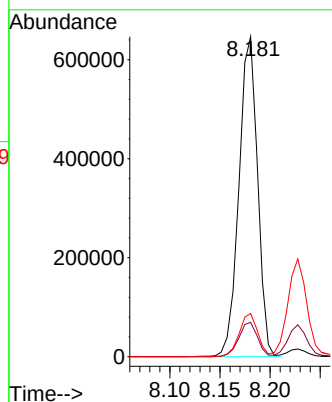
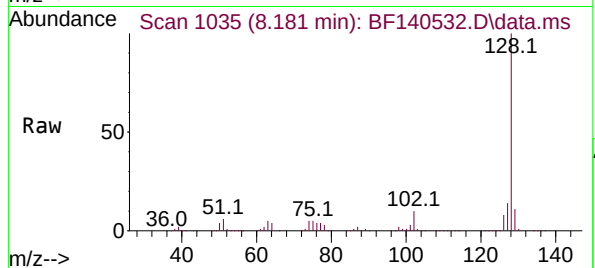
#31
Naphthalene
Concen: 39.318 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 83723
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.5 10.8 16.2

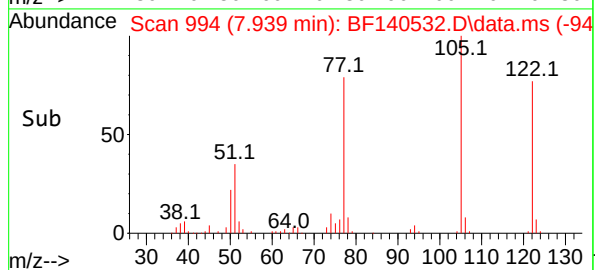
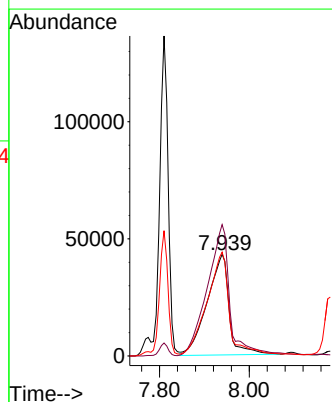
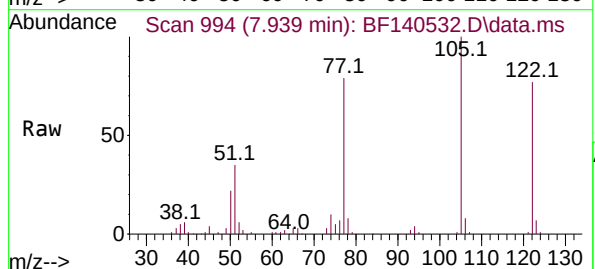
Manual Integrations
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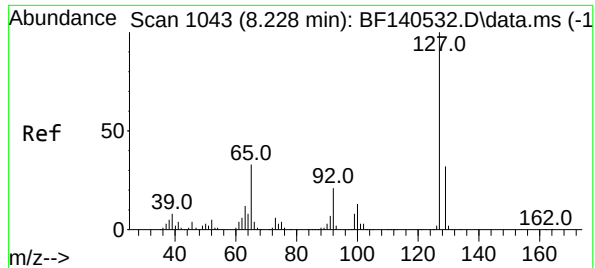
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#32
Benzoic acid
Concen: 39.450 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:122 Resp: 146245
Ion Ratio Lower Upper
122 100
105 129.3 109.3 149.3
77 102.3 82.3 122.3





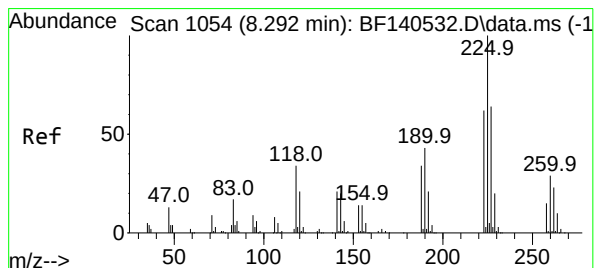
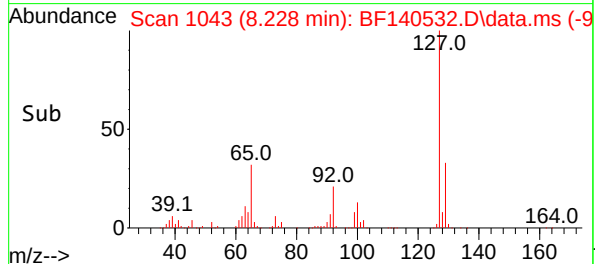
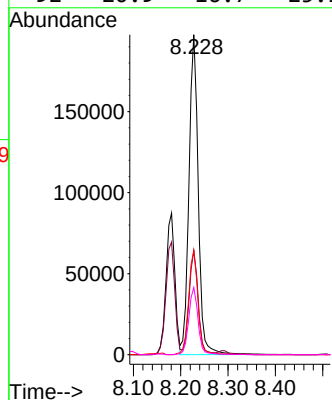
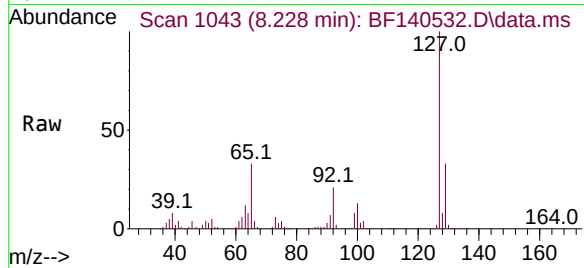
#33
4-Chloroaniline
Concen: 42.139 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 268662
Ion Ratio Lower Upper
127 100
129 32.5 26.0 39.0
65 32.5 26.0 39.0
92 20.9 16.7 25.1

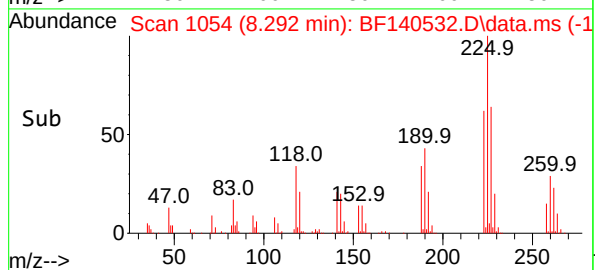
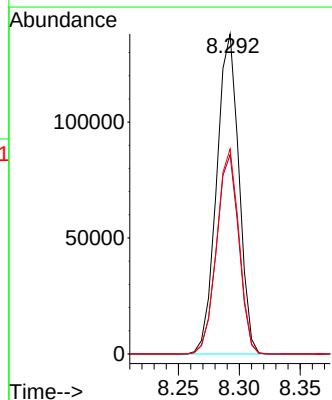
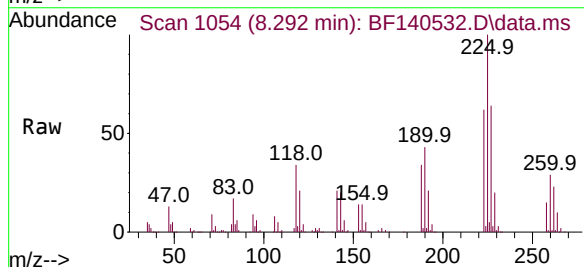
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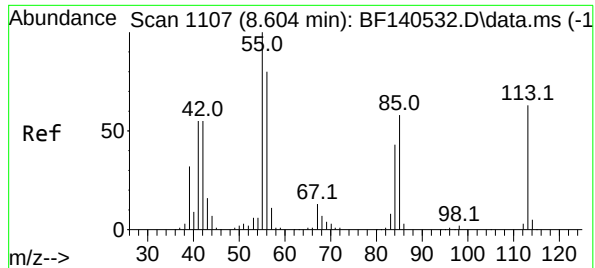
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#34
Hexachlorobutadiene
Concen: 39.473 ng
RT: 8.292 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:225 Resp: 175198
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.8
227 64.1 51.3 76.9





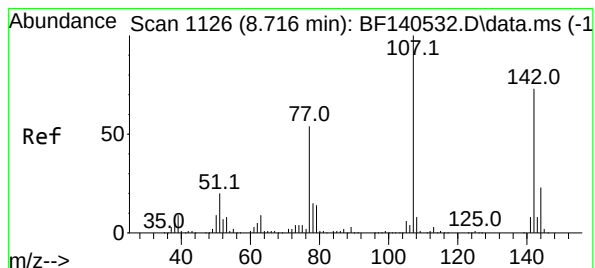
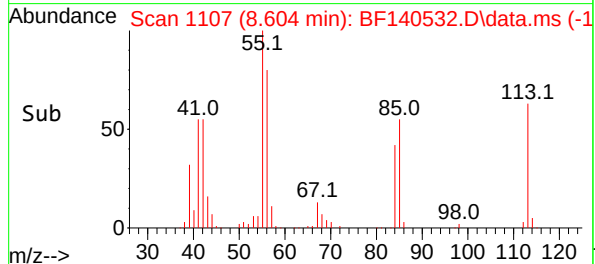
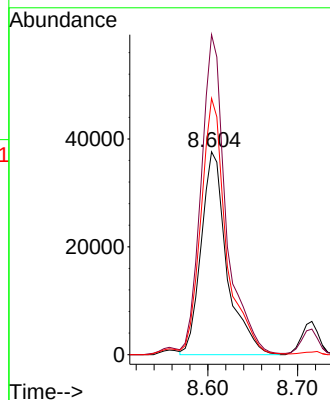
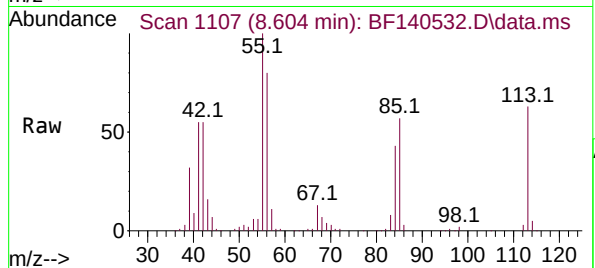
#35
Caprolactam
Concen: 41.168 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 7477
Ion Ratio Lower Upper
113 100
55 157.7 137.7 177.7
56 126.4 106.4 146.4

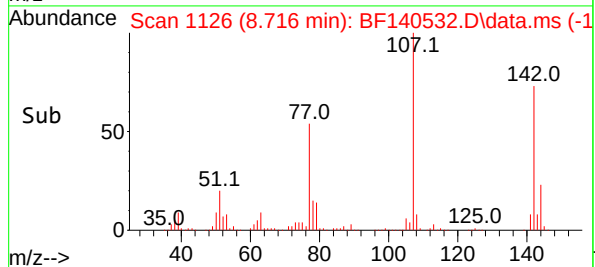
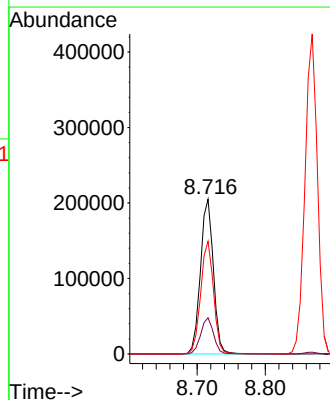
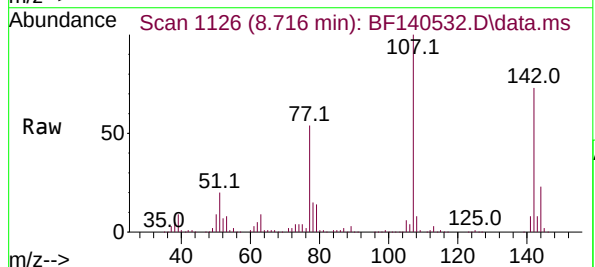
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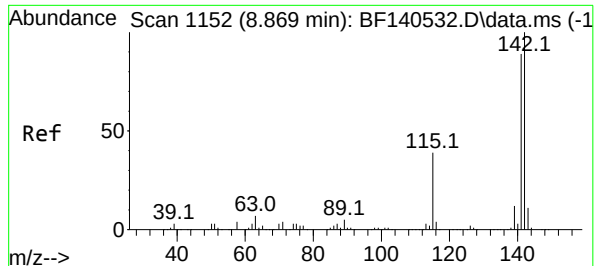
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#36
4-Chloro-3-methylphenol
Concen: 41.150 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:107 Resp: 270395
Ion Ratio Lower Upper
107 100
144 23.4 18.7 28.1
142 72.9 58.3 87.5





#37

2-Methylnaphthalene

Concen: 39.707 ng

RT: 8.869 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 537039

Ion Ratio Lower Upper

142 100

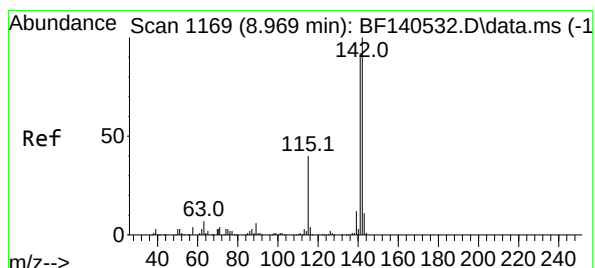
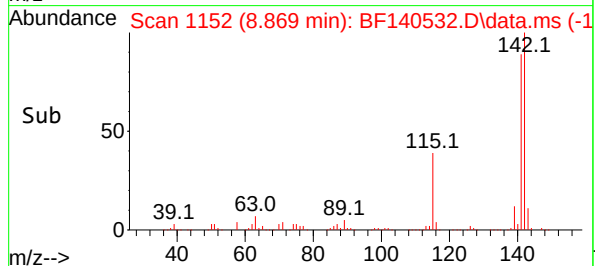
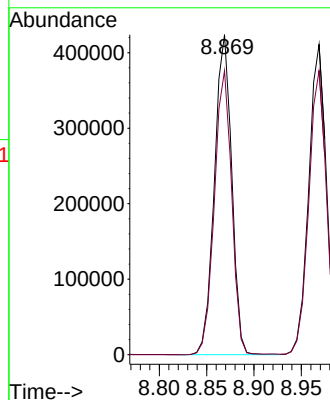
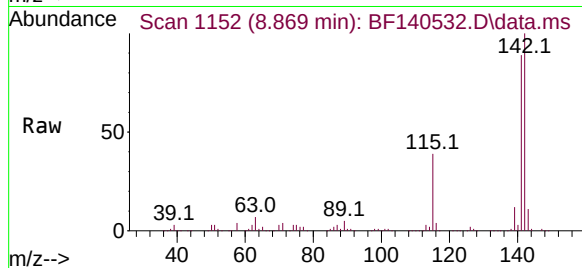
141 88.8 71.0 106.6

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#38

1-Methylnaphthalene

Concen: 39.781 ng

RT: 8.969 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF140532.D

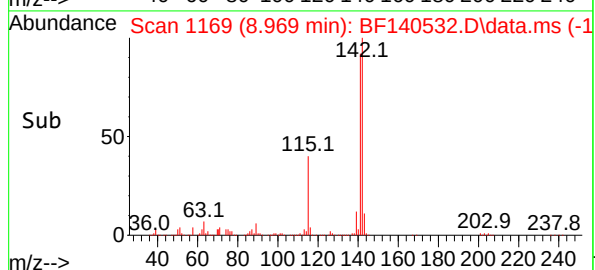
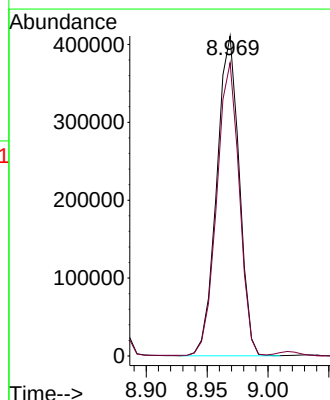
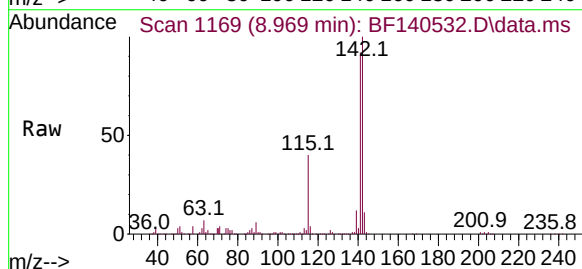
Acq: 21 Nov 2024 12:58

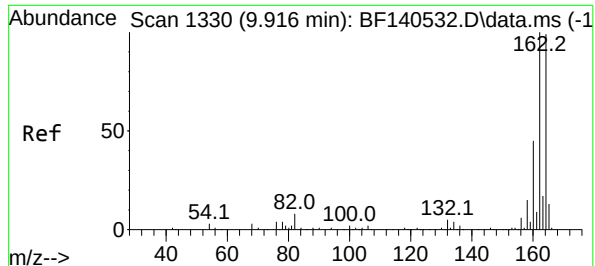
Tgt Ion:142 Resp: 527387

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

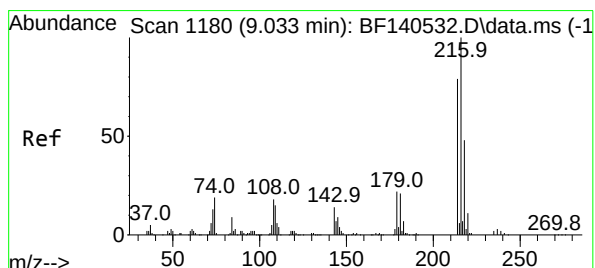
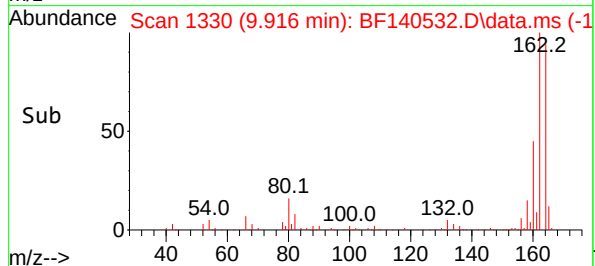
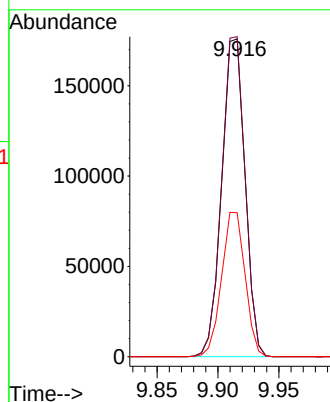
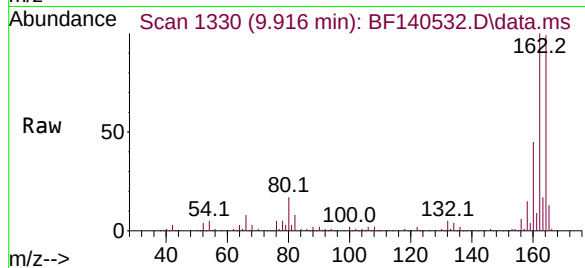
SSTDICCC040

Tgt Ion:164 Resp: 23440
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 45.3 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.462 ng

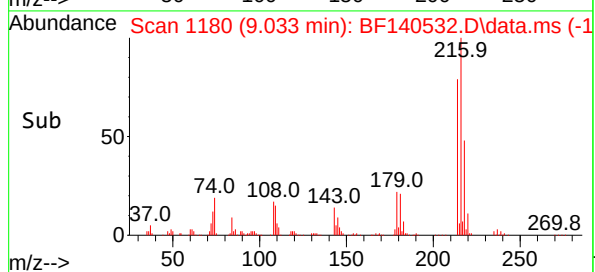
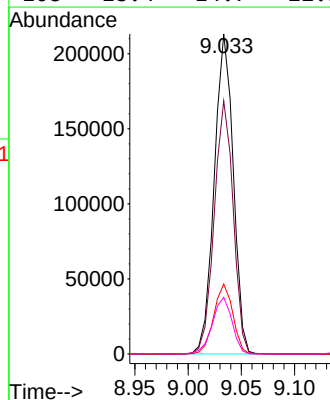
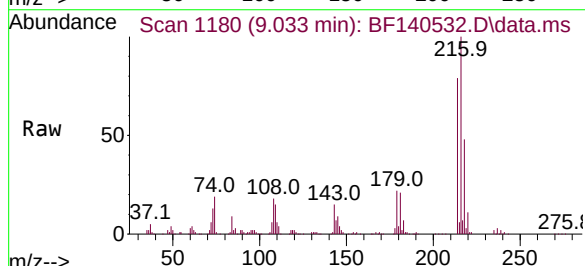
RT: 9.033 min Scan# 1180

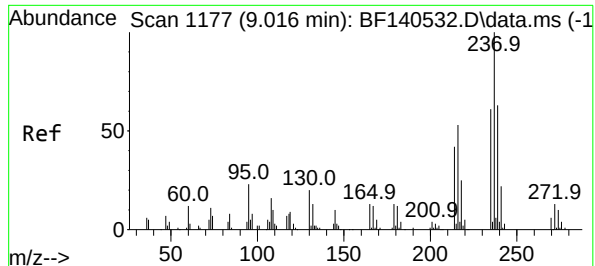
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion:216 Resp: 263939
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.9 17.5 26.3
108 18.4 14.7 22.1





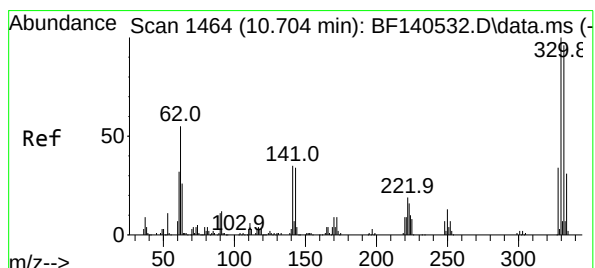
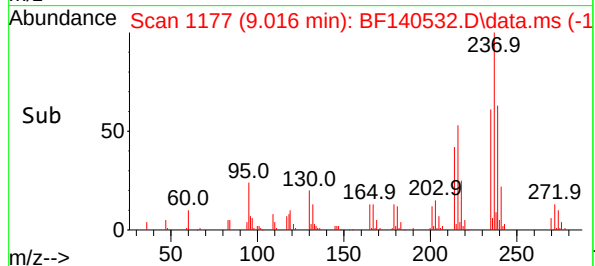
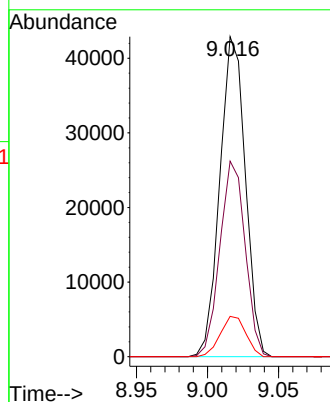
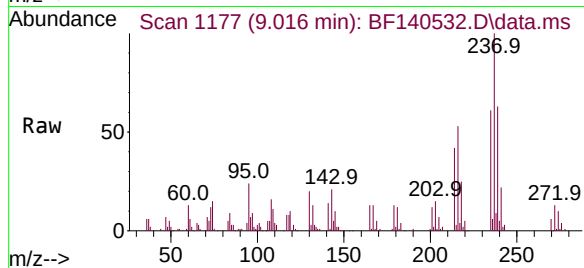
#41
Hexachlorocyclopentadiene
Concen: 38.833 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 5353
Ion Ratio Lower Upper
237 100
235 61.1 41.1 81.1
272 12.6 0.0 32.6

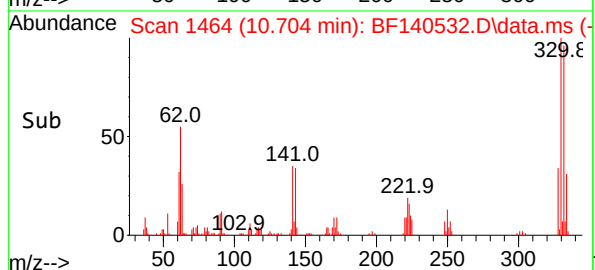
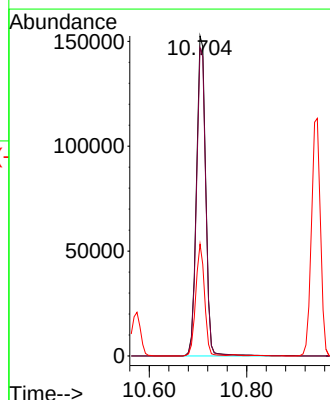
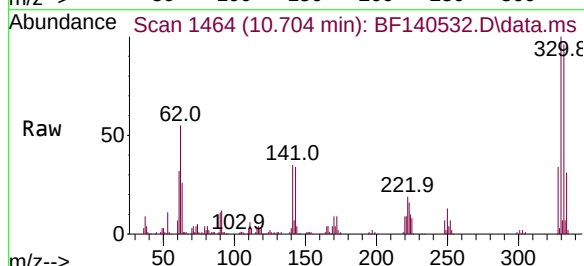
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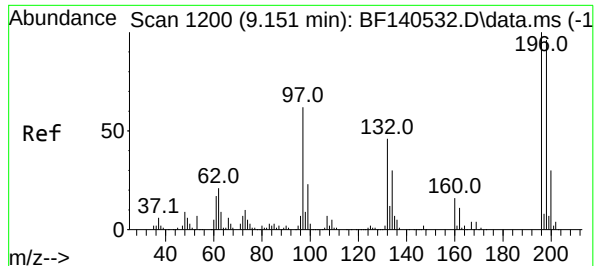
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#42
2,4,6-Tribromophenol
Concen: 80.781 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:330 Resp: 202517
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 33.4 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 39.799 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 171374

Ion Ratio Lower Upper

196 100

198 96.0 76.8 115.2

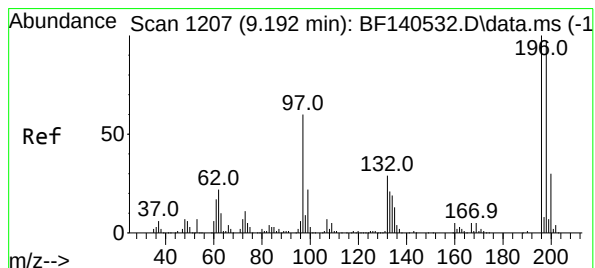
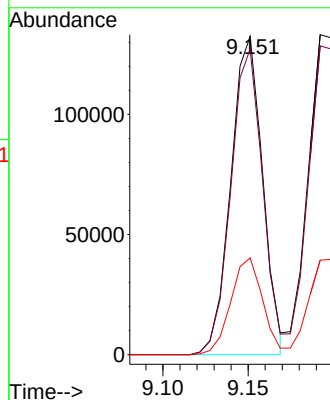
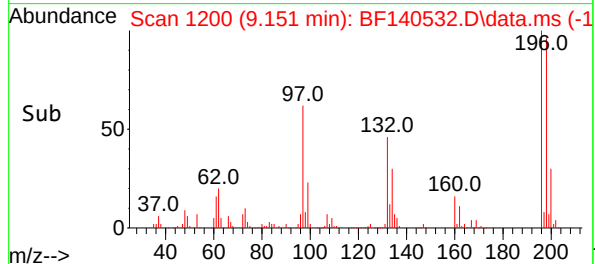
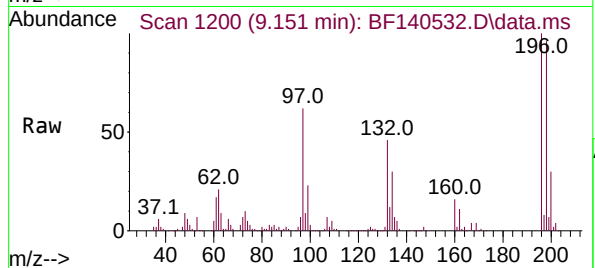
200 30.4 24.3 36.5

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

Concen: 40.504 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion:196 Resp: 189287

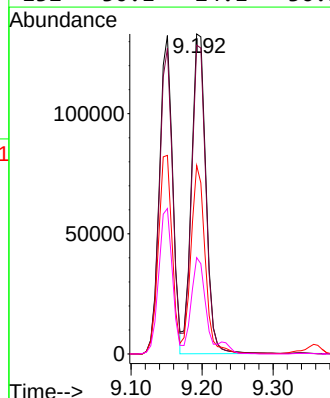
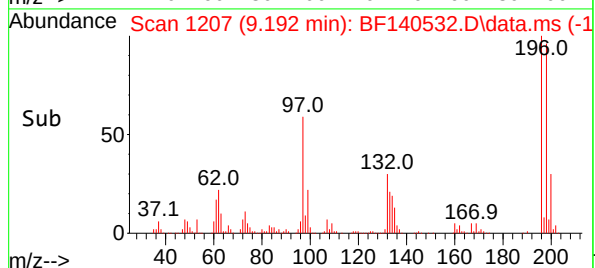
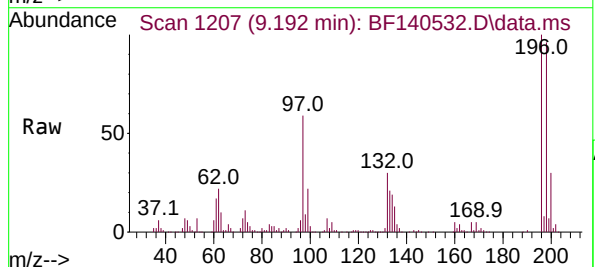
Ion Ratio Lower Upper

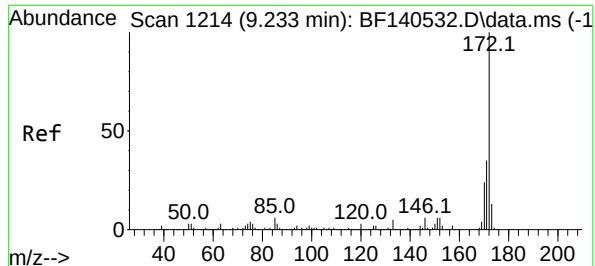
196 100

198 96.5 77.2 115.8

97 58.9 47.1 70.7

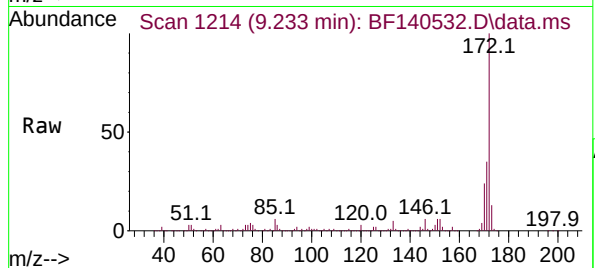
132 30.1 24.1 36.1





#45
2-Fluorobiphenyl
Concen: 76.969 ng
RT: 9.233 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

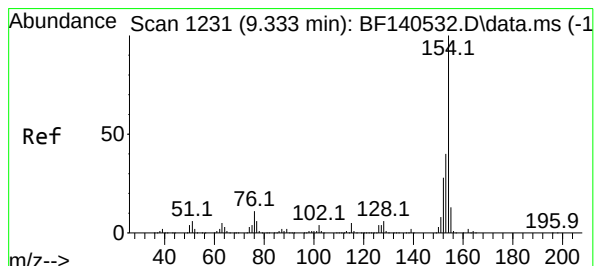
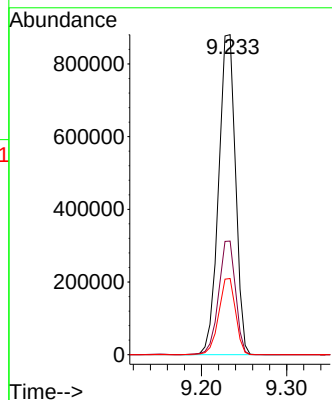
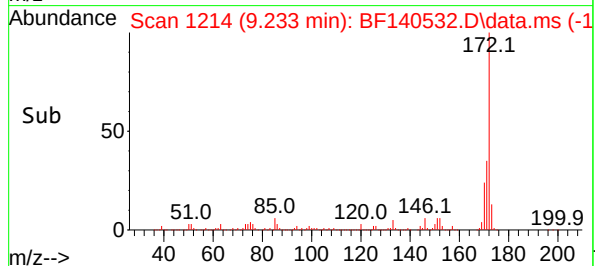
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:172 Resp: 1210929
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.8 19.0 28.6

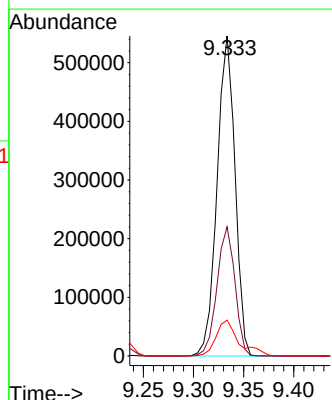
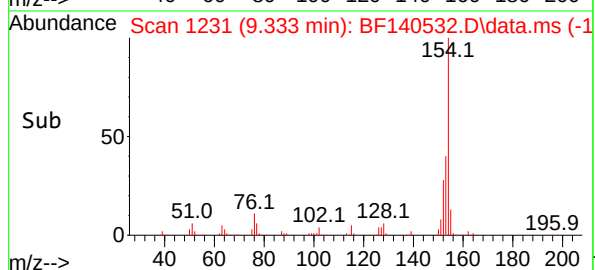
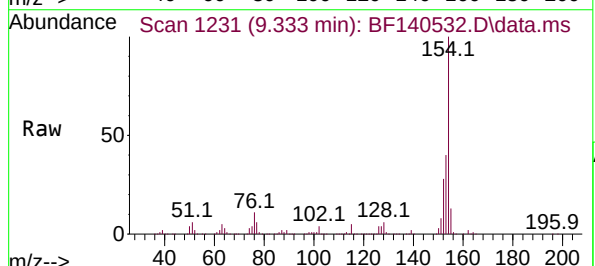
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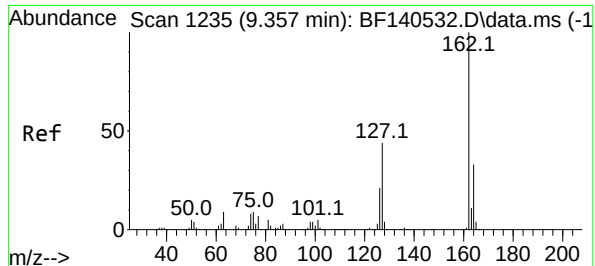
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#46
1,1'-Biphenyl
Concen: 38.750 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:154 Resp: 678172
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 11.2 0.0 31.2





#47

2-Chloronaphthalene

Concen: 39.086 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 518320

Ion Ratio Lower Upper

162 100

127 44.6 35.7 53.5

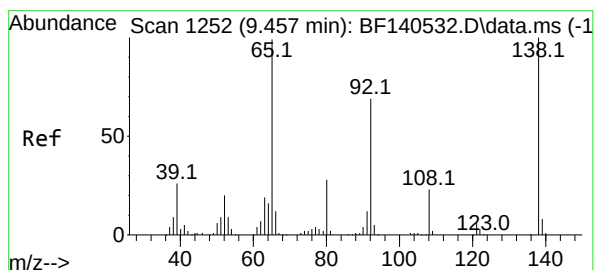
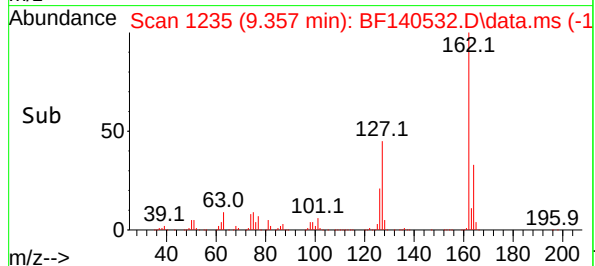
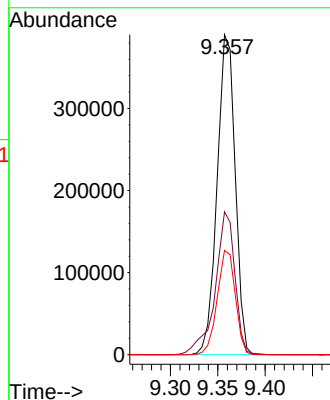
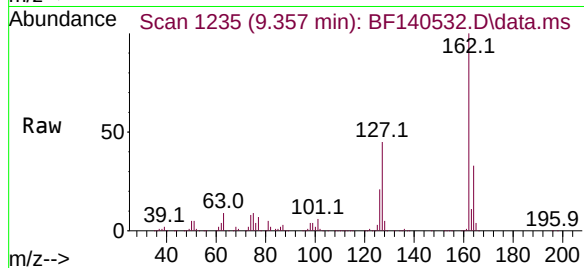
164 32.6 26.1 39.1

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 40.410 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

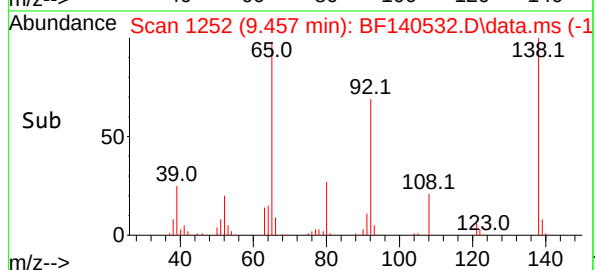
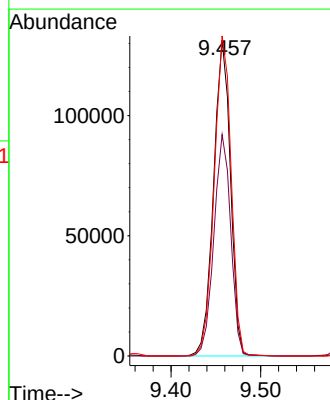
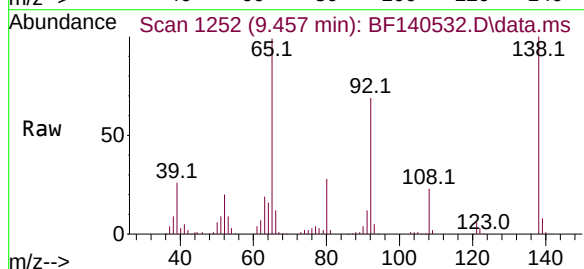
Tgt Ion: 65 Resp: 172005

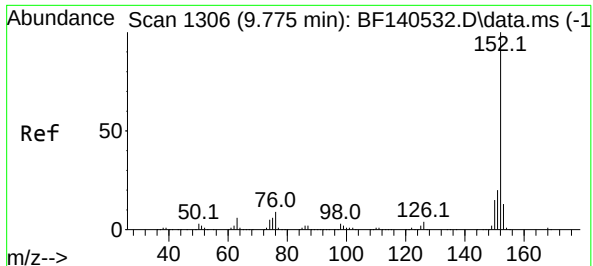
Ion Ratio Lower Upper

65 100

92 70.1 56.1 84.1

138 101.3 81.0 121.6





#49

Acenaphthylene

Concen: 38.899 ng

RT: 9.775 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

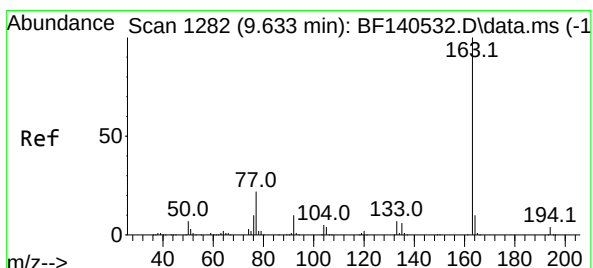
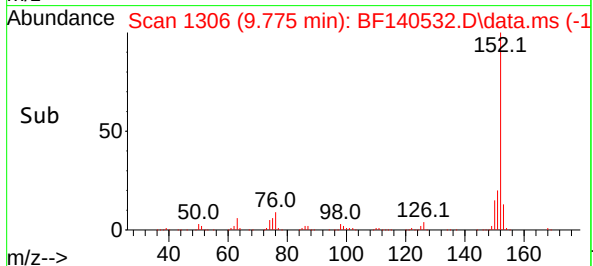
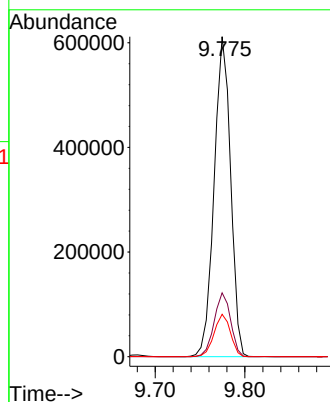
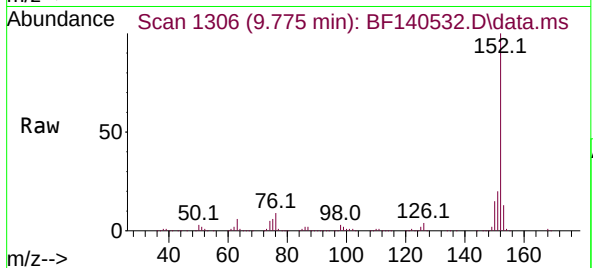
SSTDICCC040

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#50

Dimethylphthalate

Concen: 39.445 ng

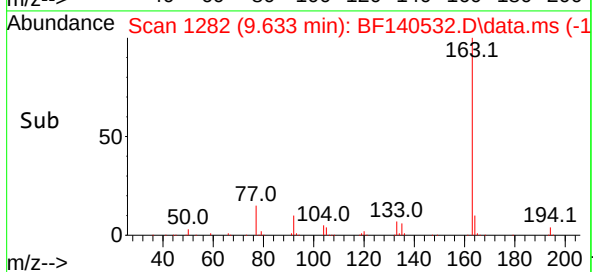
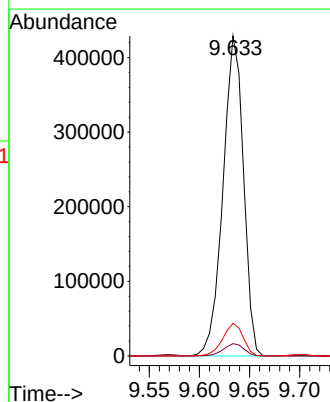
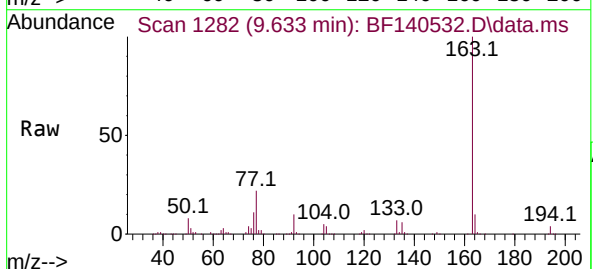
RT: 9.633 min Scan# 1282

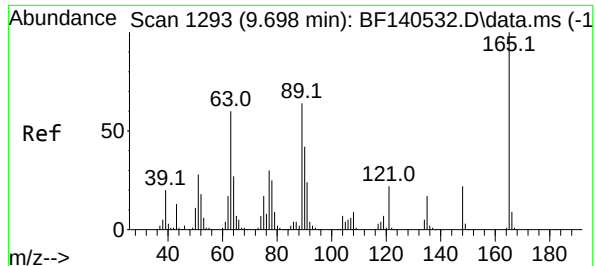
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.2	8.2	12.2





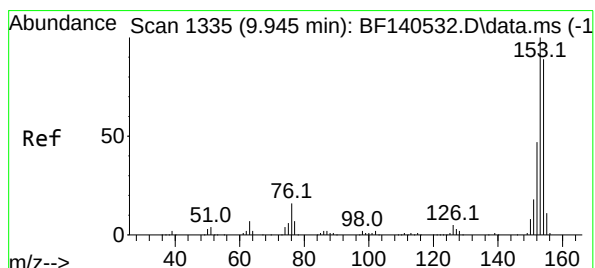
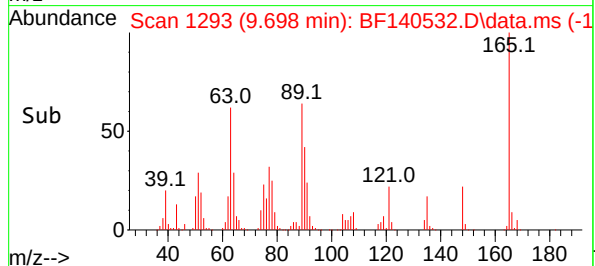
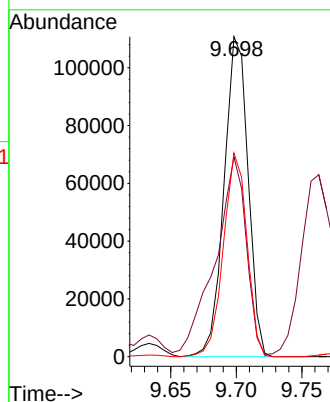
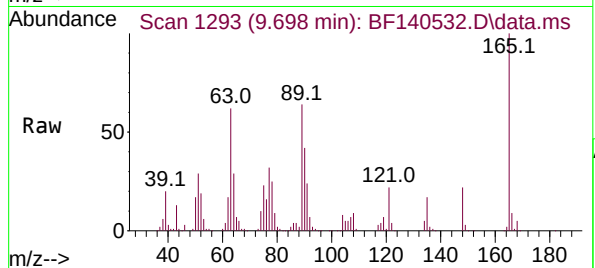
#51
2,6-Dinitrotoluene
Concen: 40.249 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 140922
Ion Ratio Lower Upper
165 100
63 62.4 49.9 74.9
89 63.6 50.9 76.3

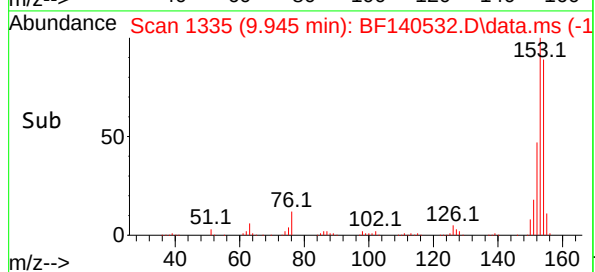
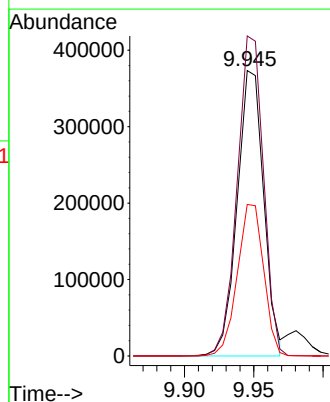
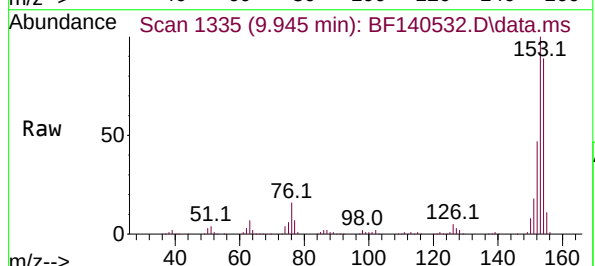
Manual Integrations
APPROVED

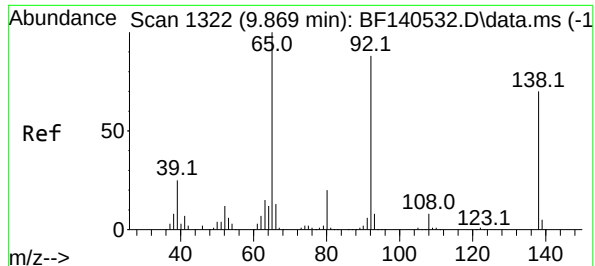
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#52
Acenaphthene
Concen: 38.394 ng m
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

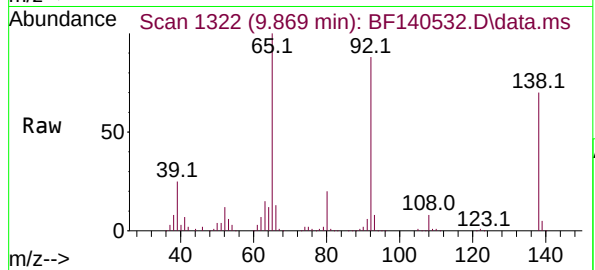
Tgt Ion:154 Resp: 498119
Ion Ratio Lower Upper
154 100
153 112.1 89.7 134.5
152 53.1 42.5 63.7





#53
3-Nitroaniline
Concen: 41.134 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

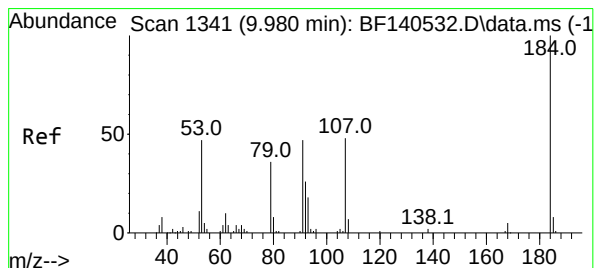
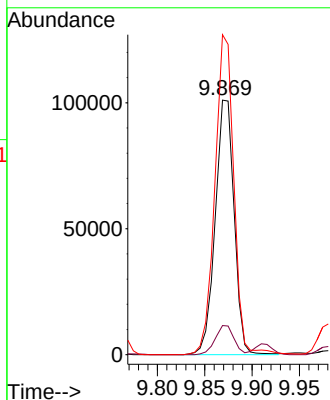
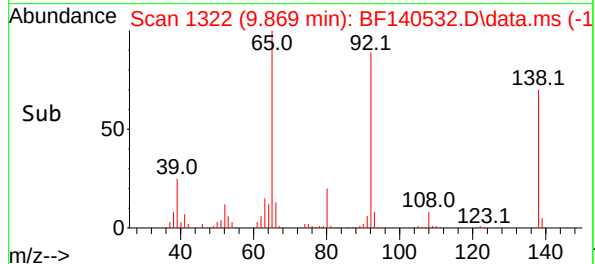
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 140859
Ion Ratio Lower Upper
138 100
108 11.5 9.2 13.8
92 125.7 100.6 150.8

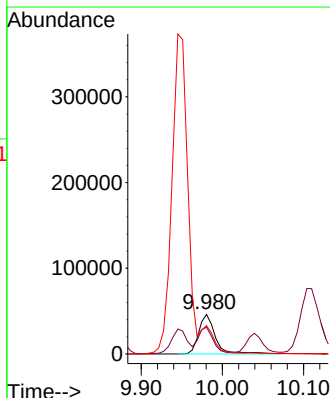
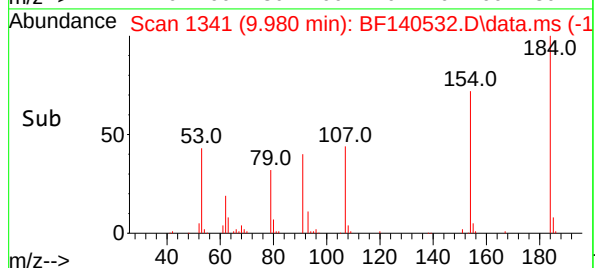
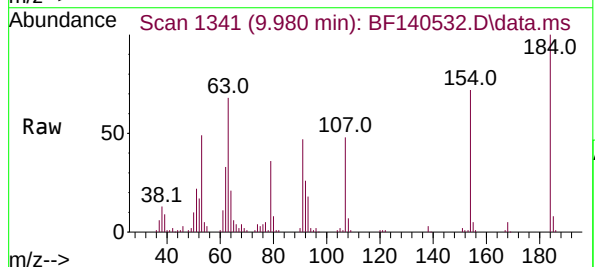
Manual Integrations
APPROVED

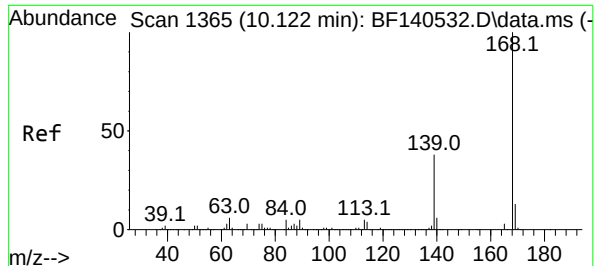
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#54
2,4-Dinitrophenol
Concen: 40.435 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:184 Resp: 65546
Ion Ratio Lower Upper
184 100
63 67.6 54.1 81.1
154 71.7 57.4 86.0





#55

Dibenzenofuran

Concen: 39.153 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 760308

Ion Ratio Lower Upper

168 100

139 39.1 31.3 46.9

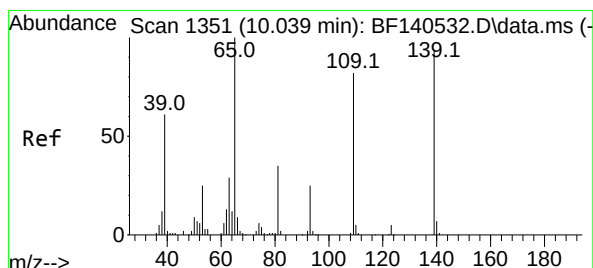
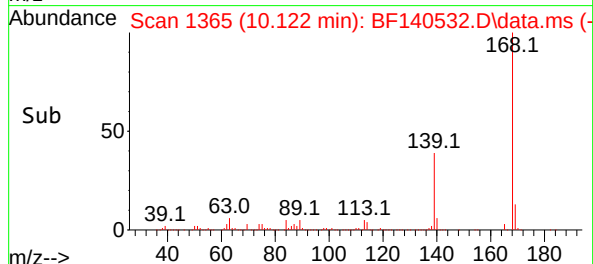
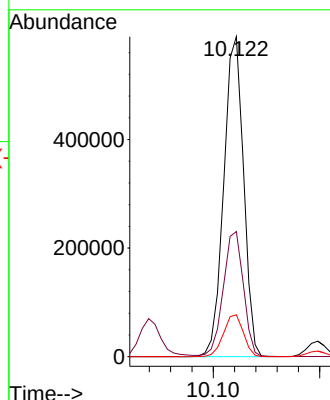
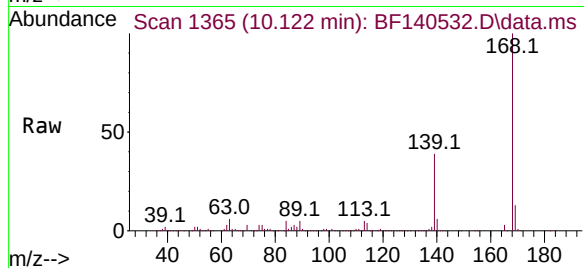
169 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#56

4-Nitrophenol

Concen: 41.591 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

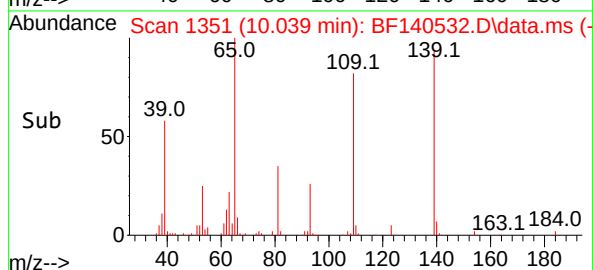
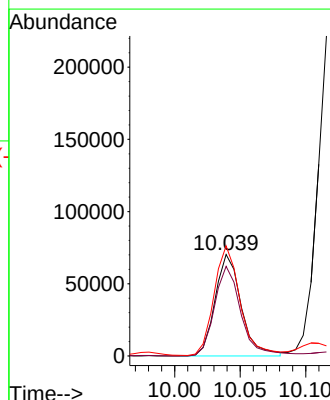
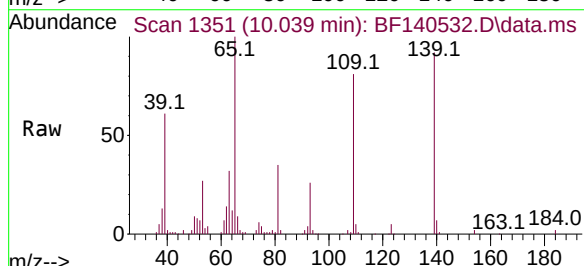
Tgt Ion:139 Resp: 97133

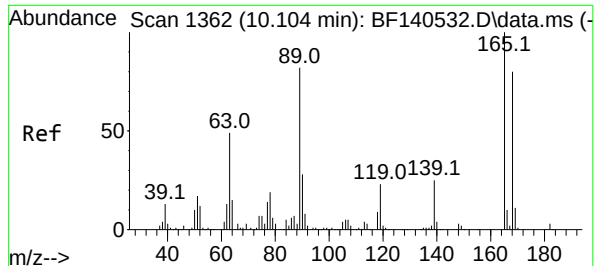
Ion Ratio Lower Upper

139 100

109 88.4 68.4 108.4

65 108.6 88.6 128.6





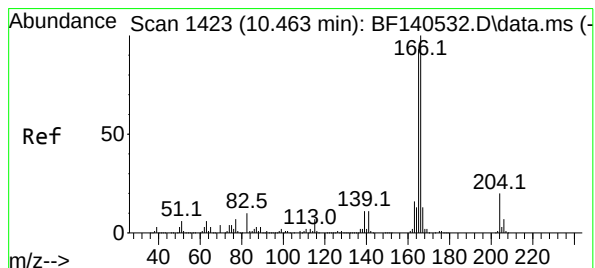
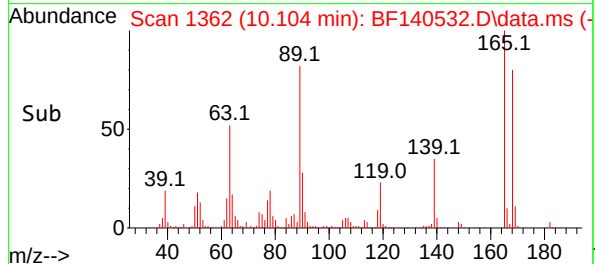
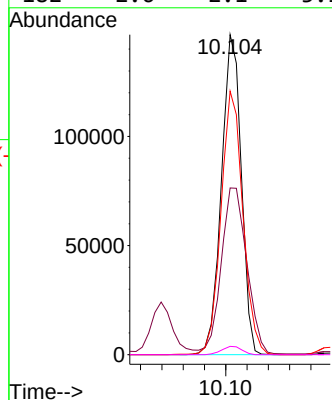
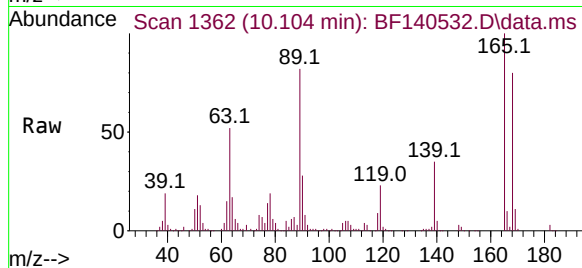
#57
2,4-Dinitrotoluene
Concen: 40.662 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 18921
Ion Ratio Lower Upper
165 100
63 52.1 41.7 62.5
89 82.3 65.8 98.8
182 2.6 2.1 3.1

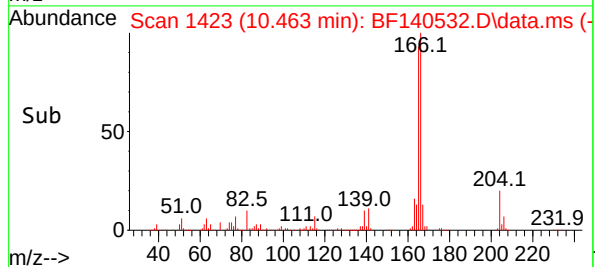
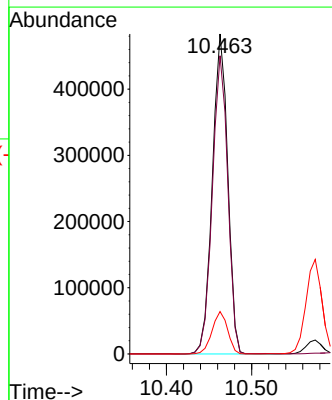
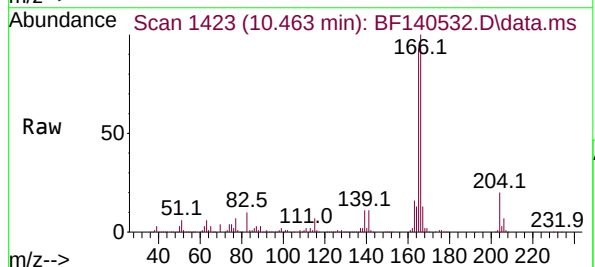
Manual Integrations
APPROVED

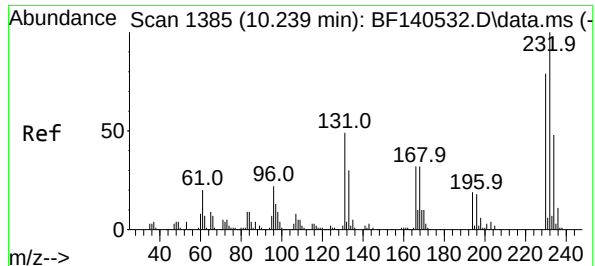
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#58
Fluorene
Concen: 38.956 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

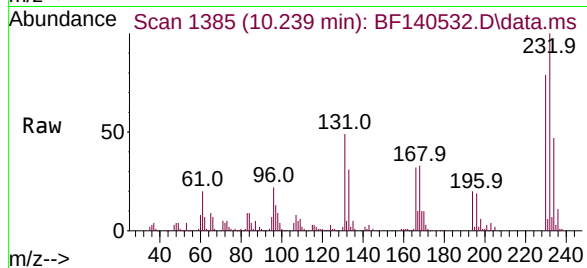
Tgt Ion:166 Resp: 607198
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.757 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

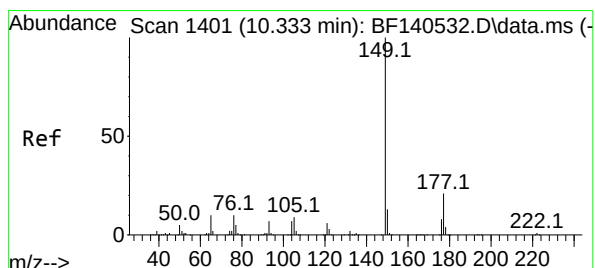
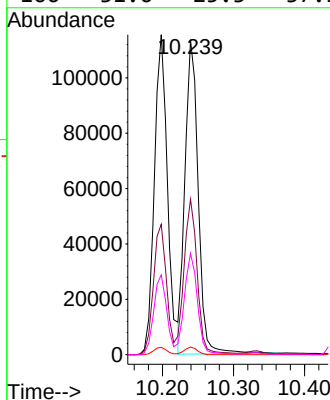
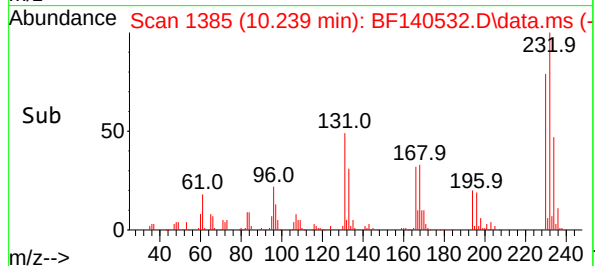
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 14638
Ion Ratio Lower Upper
232 100
131 49.5 39.6 59.4
130 2.4 1.9 2.9
166 31.6 25.3 37.9

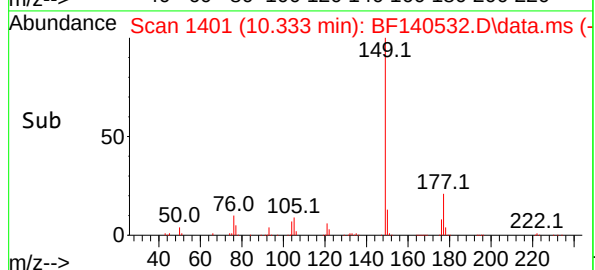
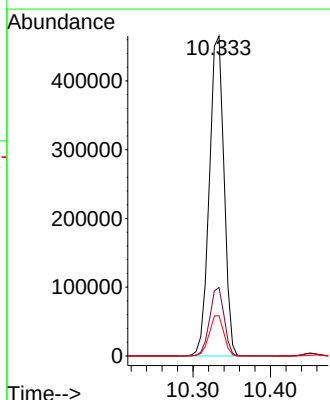
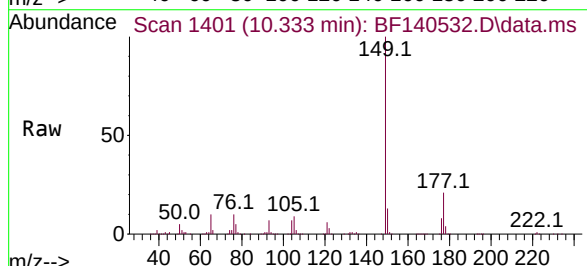
Manual Integrations
APPROVED

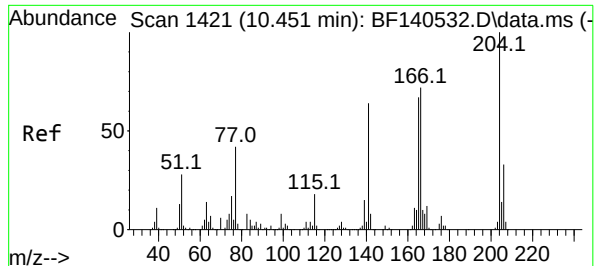
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#60
Diethylphthalate
Concen: 39.176 ng
RT: 10.333 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

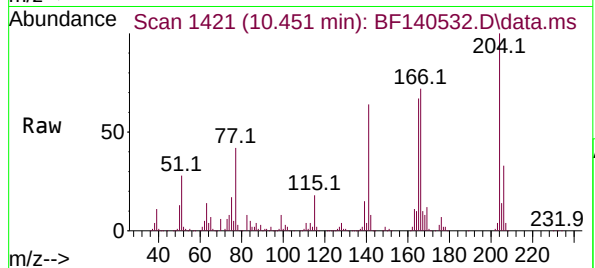
Tgt Ion:149 Resp: 614490
Ion Ratio Lower Upper
149 100
177 21.4 17.1 25.7
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.175 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

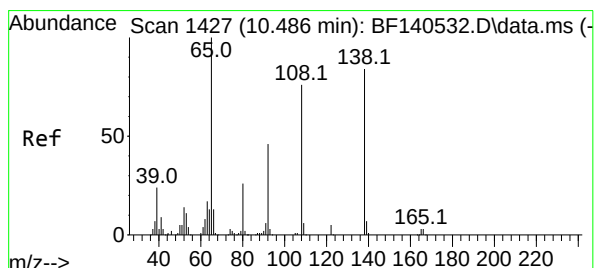
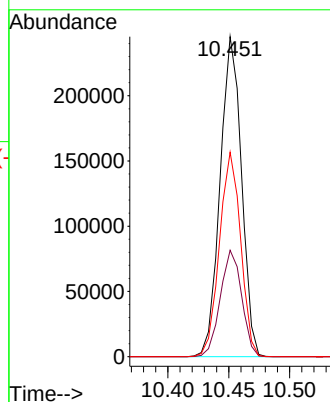
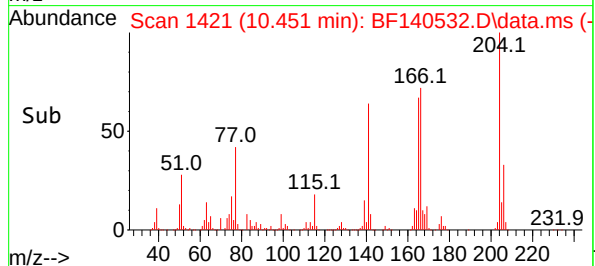
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:204 Resp: 299662
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 63.9 51.1 76.7

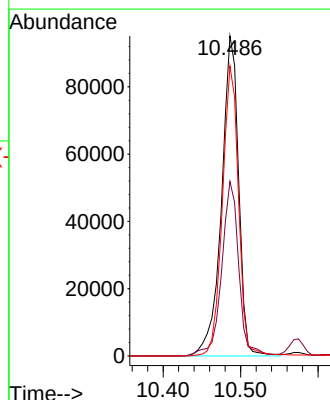
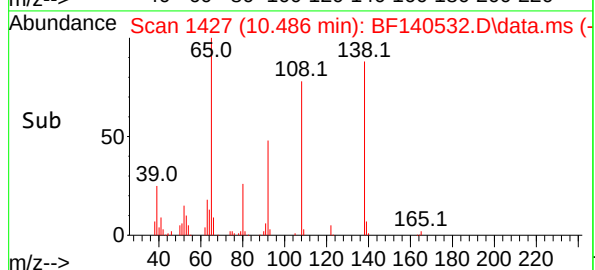
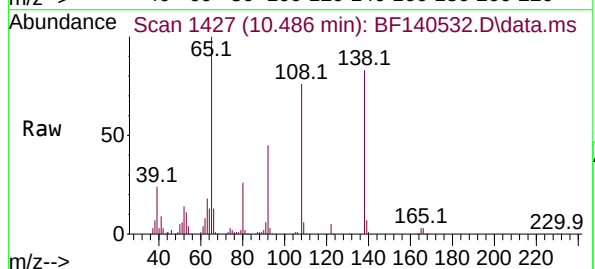
Manual Integrations
APPROVED

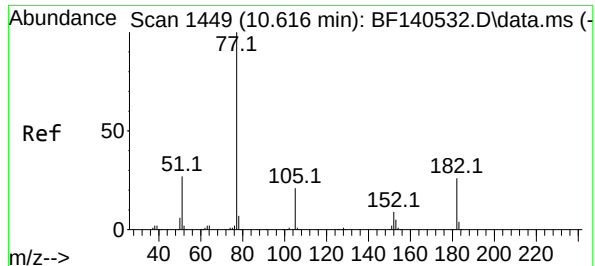
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#62
4-Nitroaniline
Concen: 40.750 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

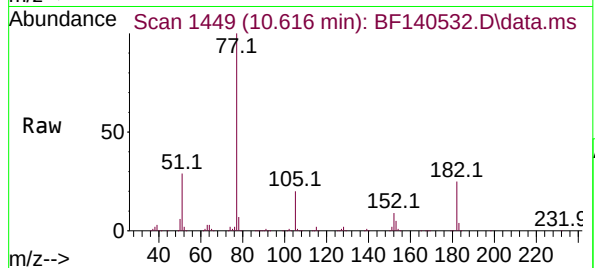
Tgt Ion:138 Resp: 146354
Ion Ratio Lower Upper
138 100
92 54.5 34.5 74.5
108 90.6 70.6 110.6





#63
Azobenzene
Concen: 38.983 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

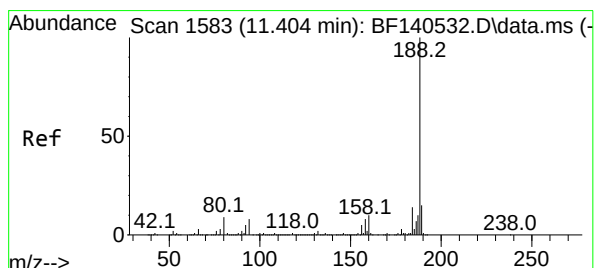
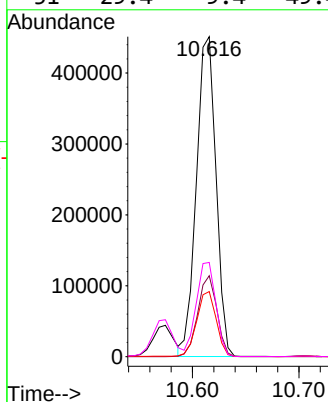
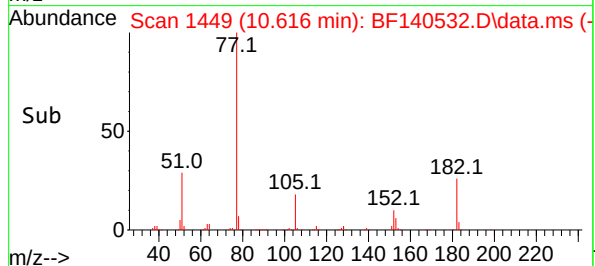
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



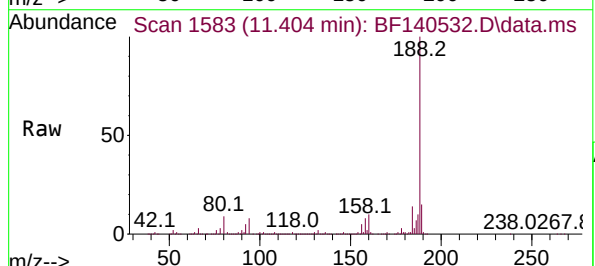
Tgt Ion: 77 Resp: 57904
Ion Ratio Lower Upper
77 100
182 25.3 5.3 45.3
105 20.3 0.3 40.3
51 29.4 9.4 49.4

Manual Integrations
APPROVED

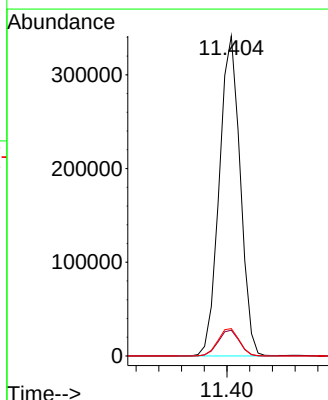
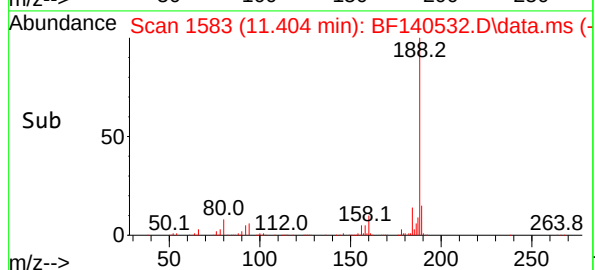
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

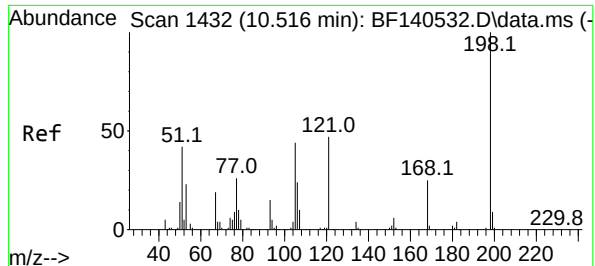


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



Tgt Ion:188 Resp: 437466
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.6 6.9 10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 42.998 ng

RT: 10.516 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:198 Resp: 96120

Ion Ratio Lower Upper

198 100

51 49.4 29.4 69.4

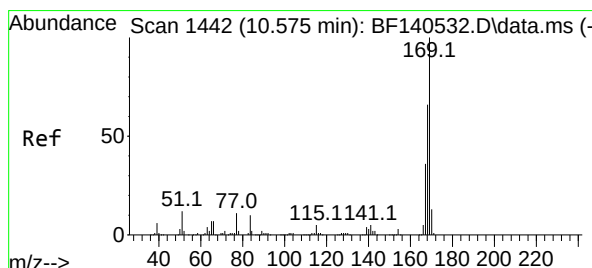
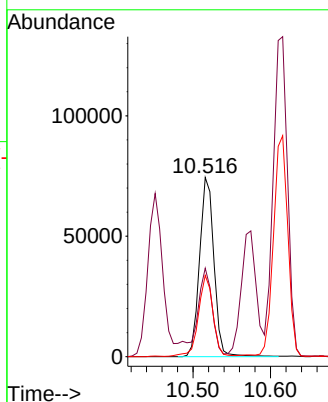
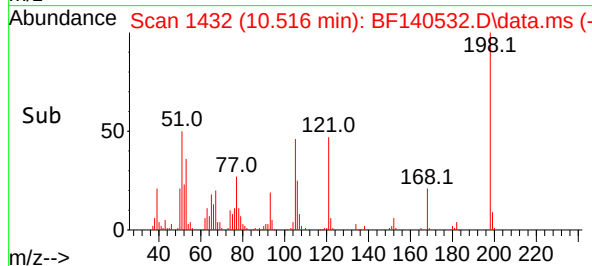
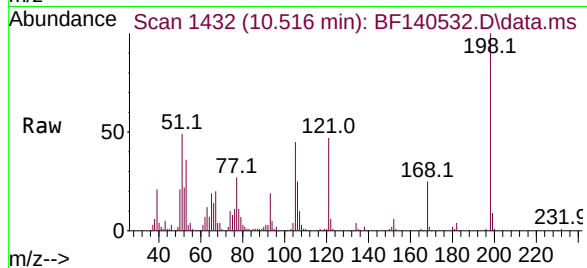
105 45.4 25.4 65.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#66

n-Nitrosodiphenylamine

Concen: 39.070 ng

RT: 10.575 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

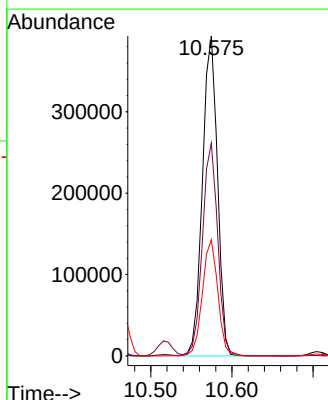
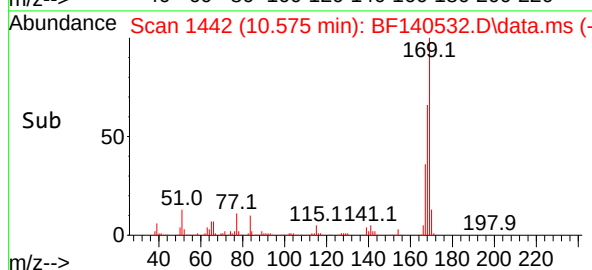
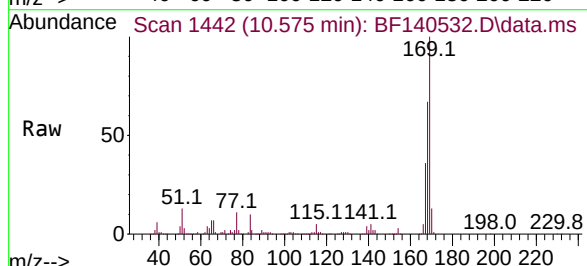
Tgt Ion:169 Resp: 505450

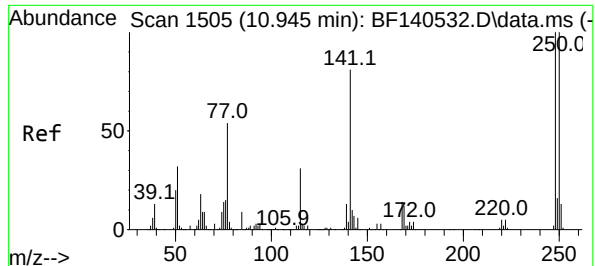
Ion Ratio Lower Upper

169 100

168 66.5 53.2 79.8

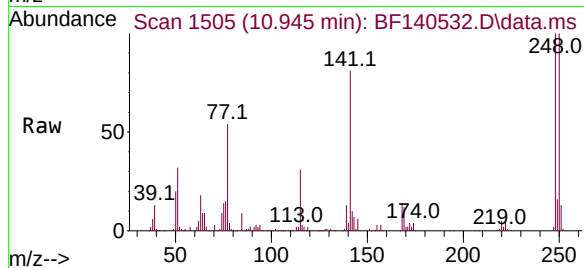
167 36.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 38.787 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

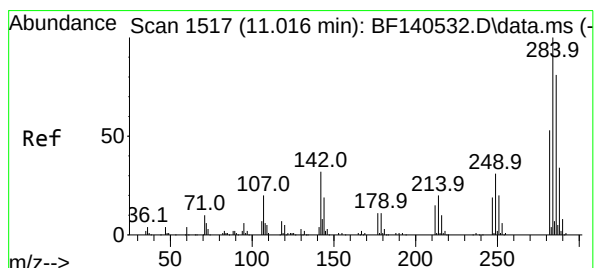
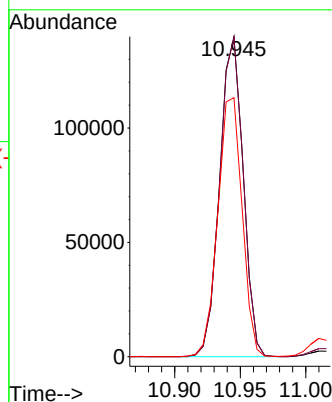
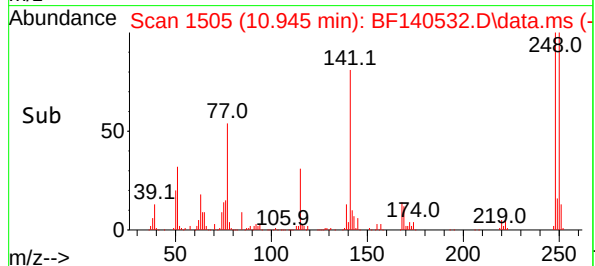
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



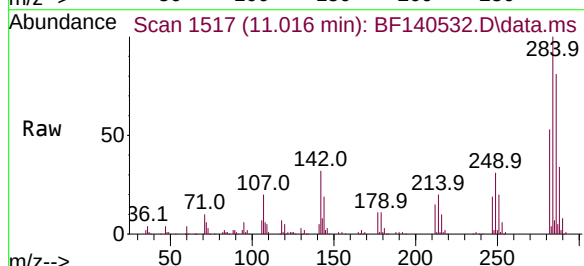
Tgt Ion:248 Resp: 174740
Ion Ratio Lower Upper
248 100
250 99.8 79.8 119.8
141 80.9 64.7 97.1

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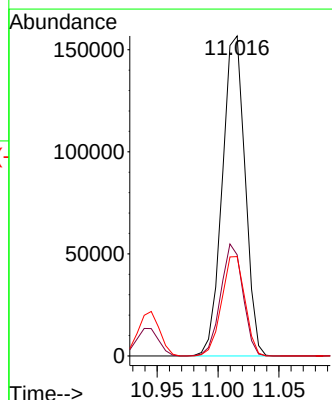
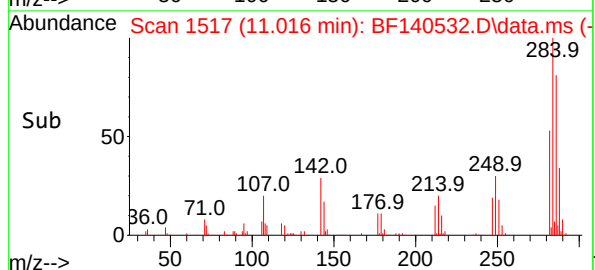
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

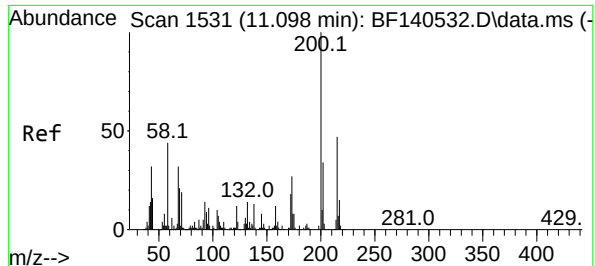


#68
Hexachlorobenzene
Concen: 39.129 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



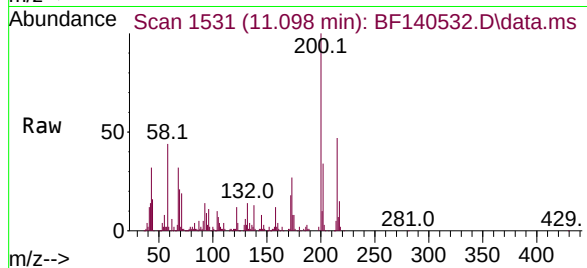
Tgt Ion:284 Resp: 204123
Ion Ratio Lower Upper
284 100
142 31.6 25.3 37.9
249 31.0 24.8 37.2





#69
Atrazine
Concen: 33.635 ng
RT: 11.098 min Scan# 1531
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

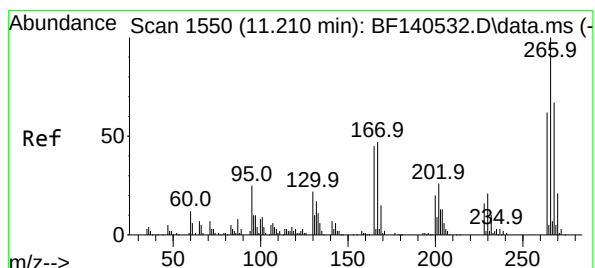
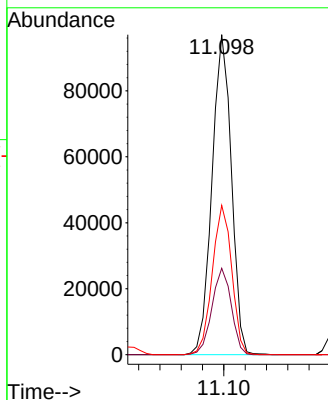
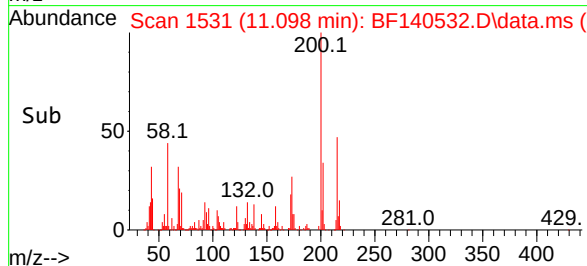
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:200 Resp: 12241
Ion Ratio Lower Upper
200 100
173 27.0 7.0 47.0
215 46.7 26.7 66.7

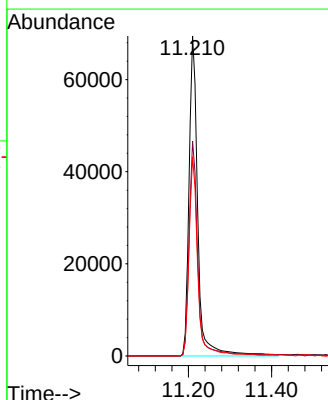
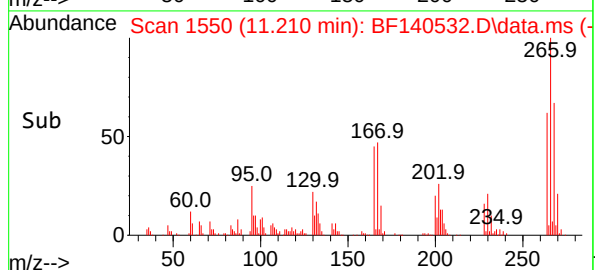
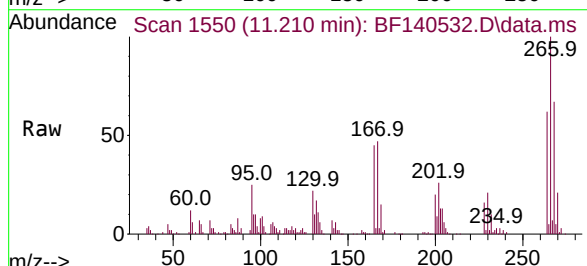
Manual Integrations
APPROVED

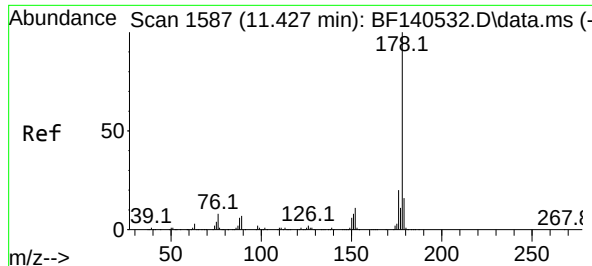
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#70
Pentachlorophenol
Concen: 44.226 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:266 Resp: 101542
Ion Ratio Lower Upper
266 100
268 67.1 53.7 80.5
264 62.3 49.8 74.8





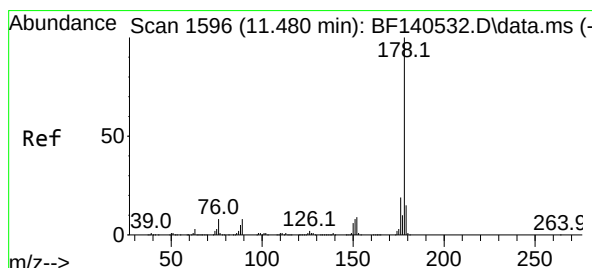
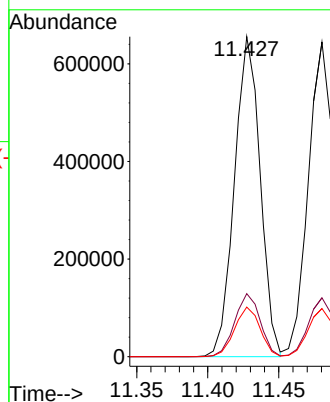
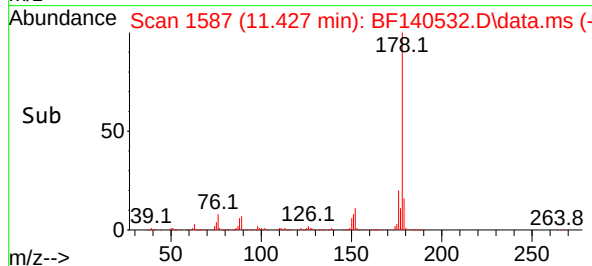
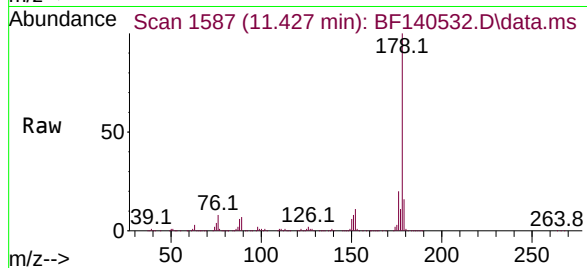
#71
Phenanthrene
Concen: 39.293 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 826269
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.5 12.4 18.6

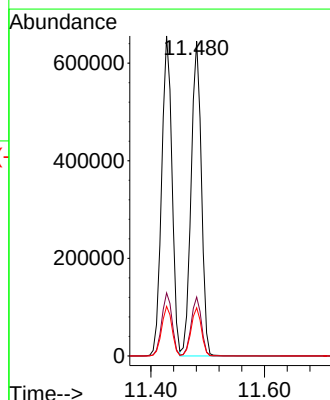
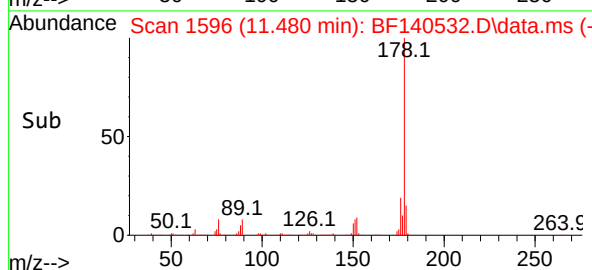
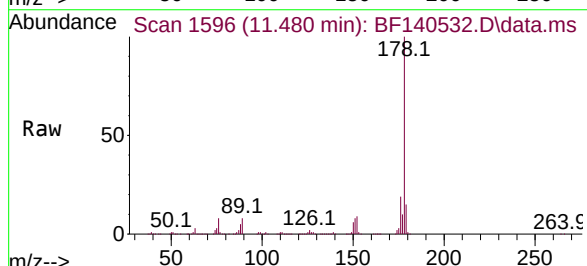
Manual Integrations
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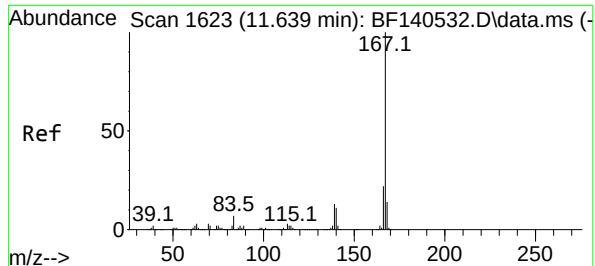
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#72
Anthracene
Concen: 39.329 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

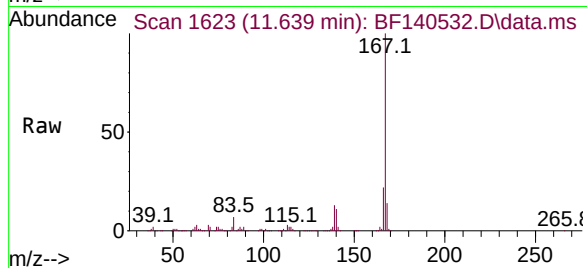
Tgt Ion:178 Resp: 808988
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.3 12.2 18.4





#73
Carbazole
Concen: 39.322 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

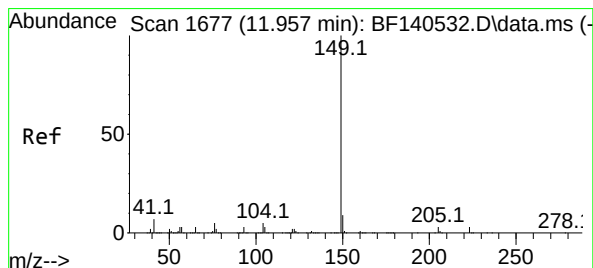
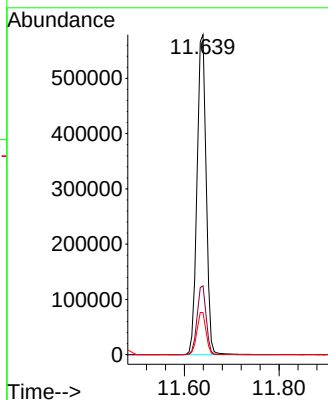
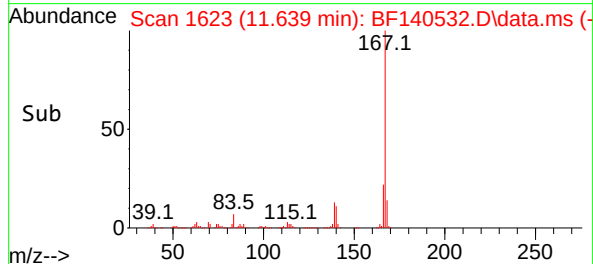
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 77811
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 13.2 10.6 15.8

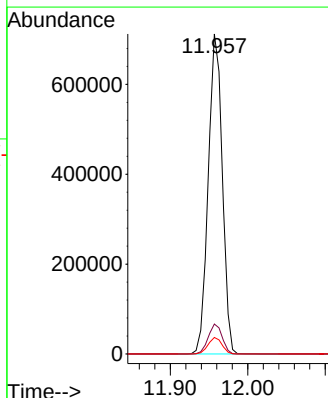
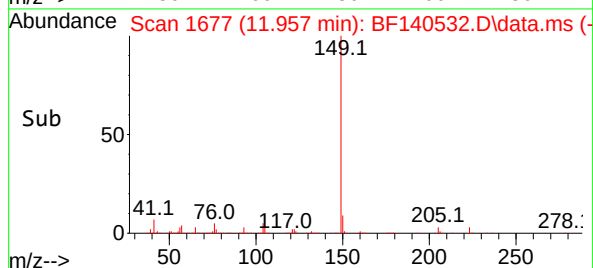
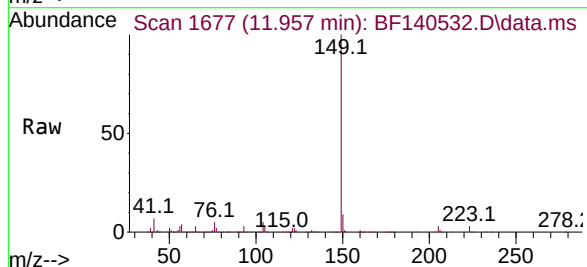
Manual Integrations
APPROVED

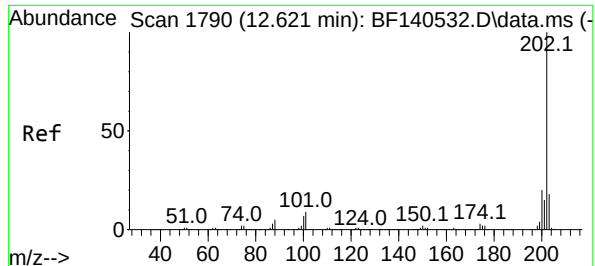
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#74
Di-n-butylphthalate
Concen: 39.186 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

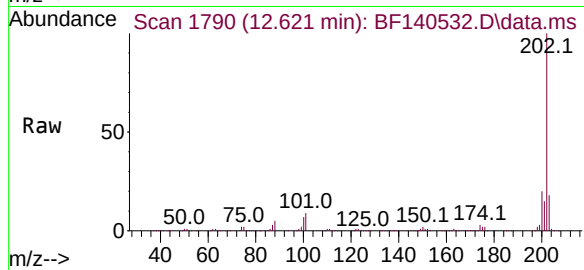
Tgt Ion:149 Resp: 895236
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 38.845 ng
RT: 12.621 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

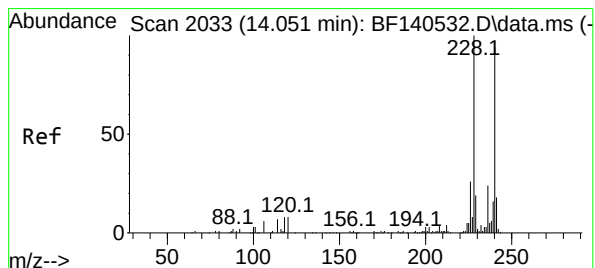
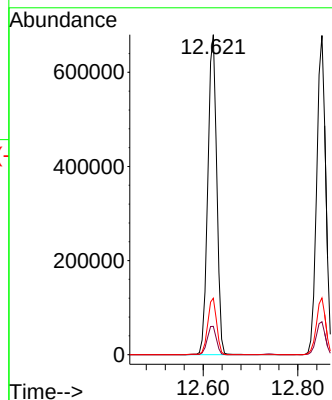
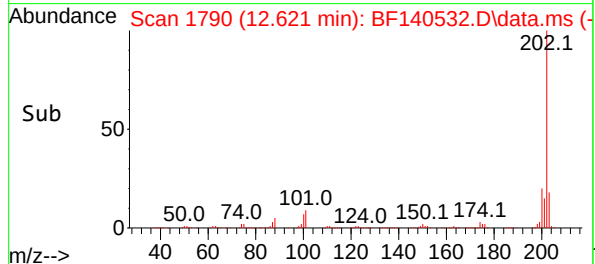
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 886900
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.9
203 17.6 0.0 37.6

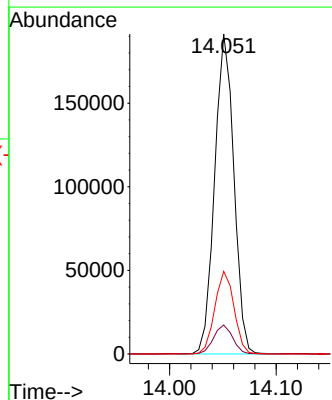
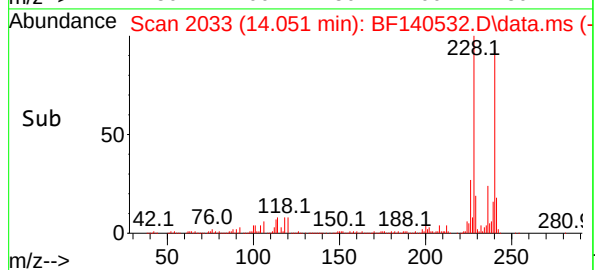
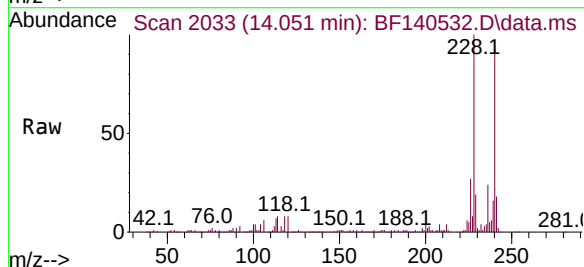
Manual Integrations
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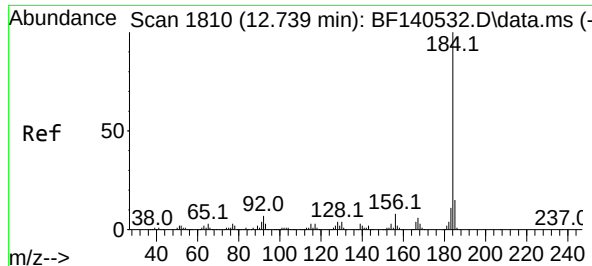
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

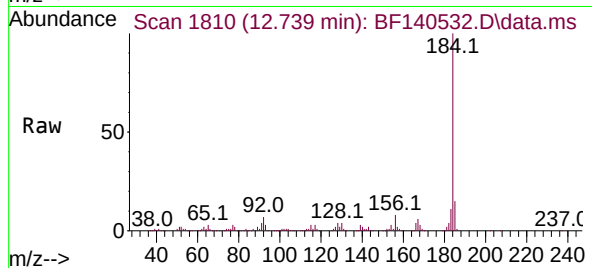
Tgt Ion:240 Resp: 239343
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 25.8 20.6 31.0





#77
Benzidine
Concen: 39.525 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

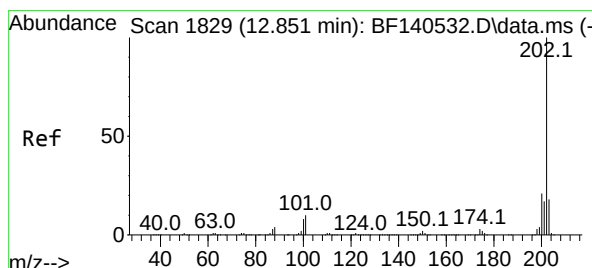
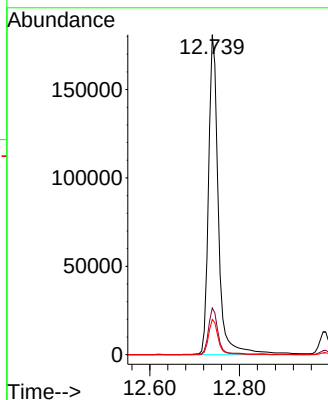
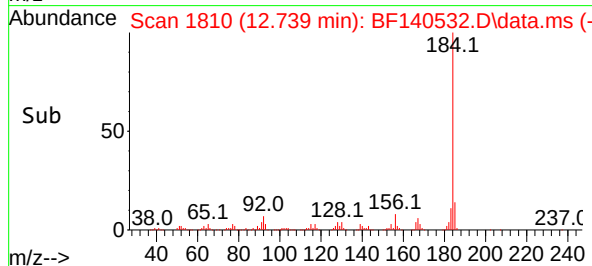
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 27504
Ion Ratio Lower Upper
184 100
185 14.6 11.7 17.5
183 11.0 8.8 13.2

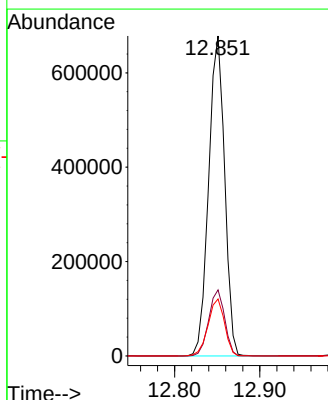
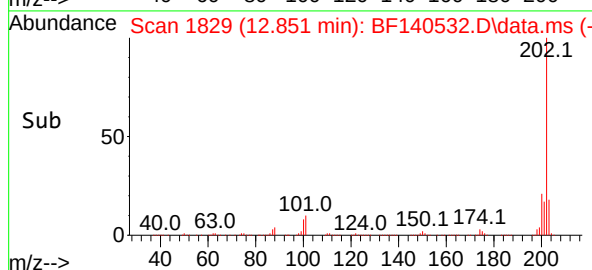
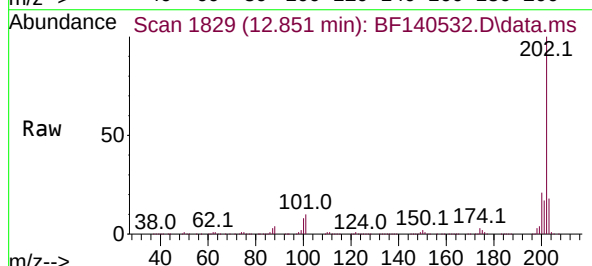
Manual Integrations
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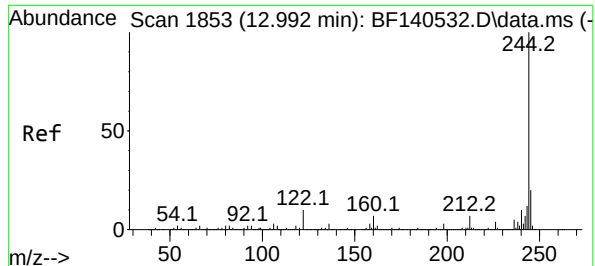
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#78
Pyrene
Concen: 40.090 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

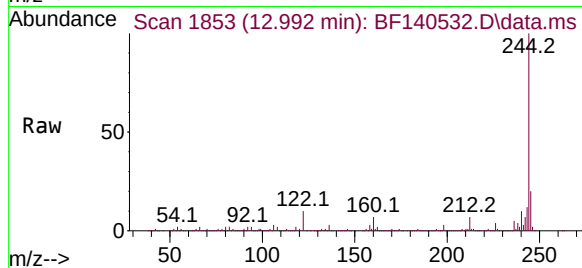
Tgt Ion:202 Resp: 887193
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.8 14.2 21.4





#79
Terphenyl-d14
Concen: 79.896 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

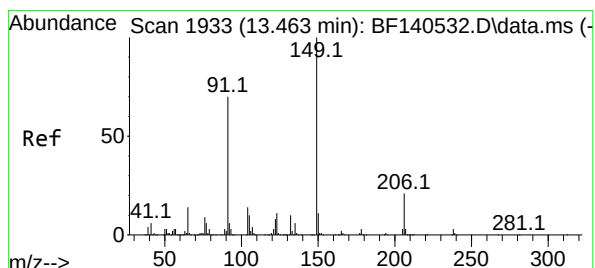
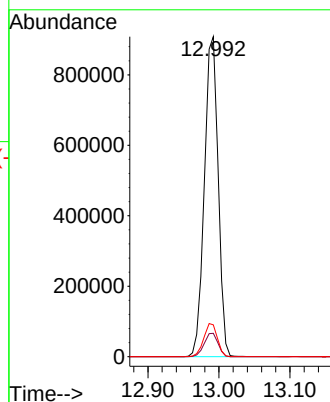
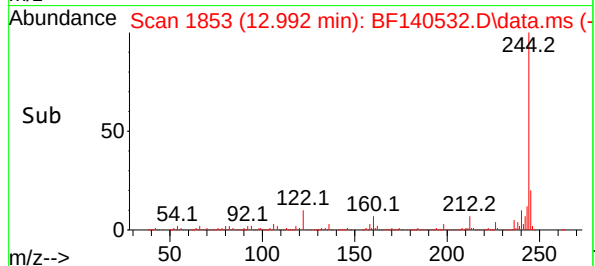
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:244 Resp: 1228064
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 10.0 8.0 12.0

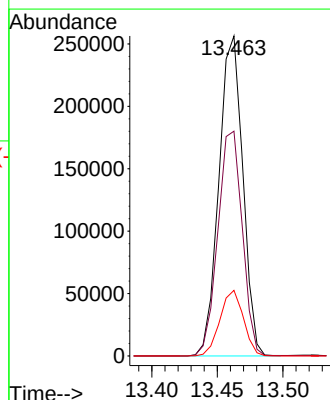
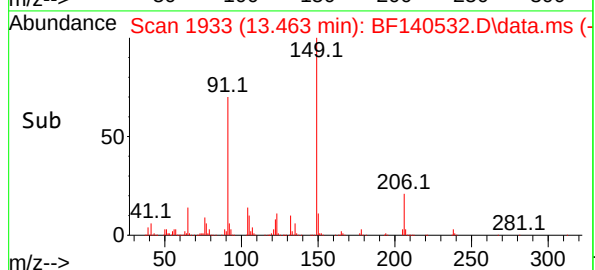
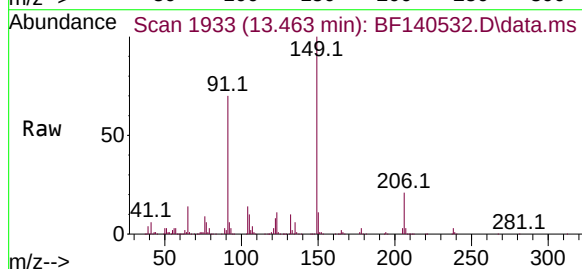
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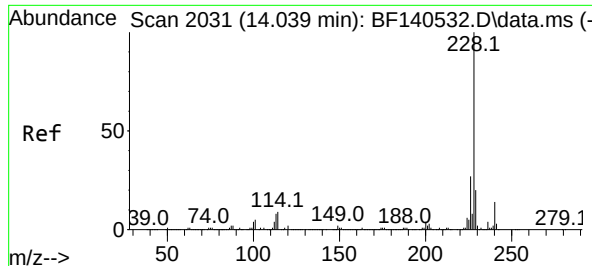
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#80
Butylbenzylphthalate
Concen: 40.751 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

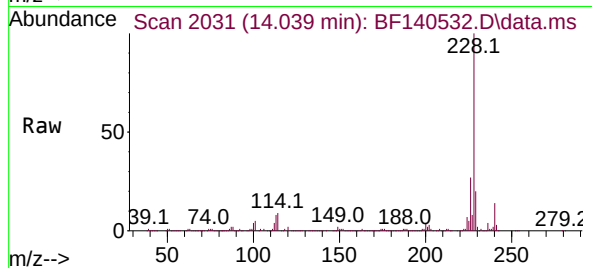
Tgt Ion:149 Resp: 324879
Ion Ratio Lower Upper
149 100
91 70.2 56.2 84.2
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 38.868 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

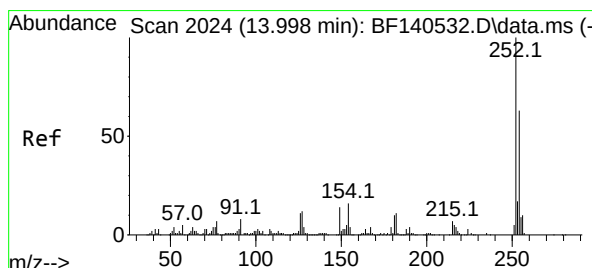
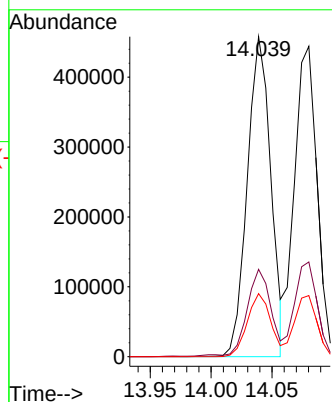
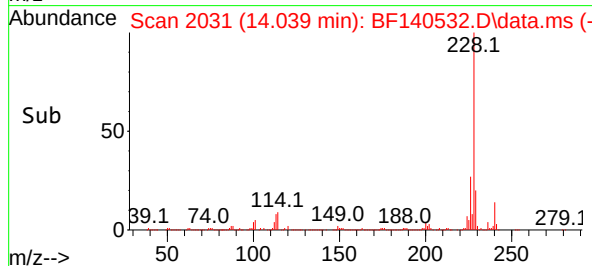
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



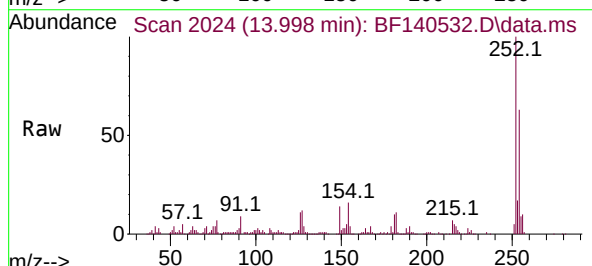
Tgt Ion:228 Resp: 615808
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.7 15.8 23.6

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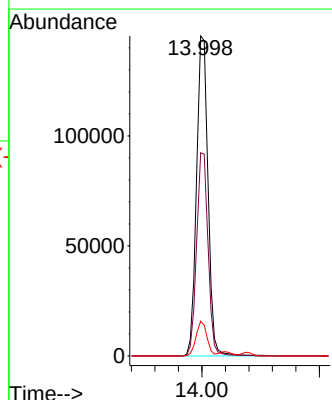
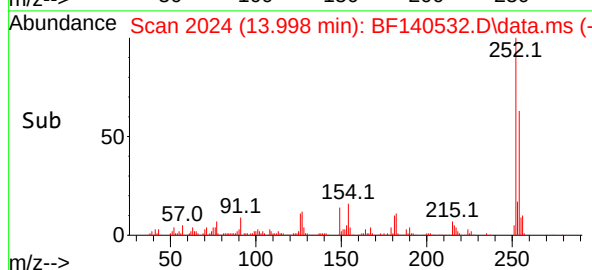
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

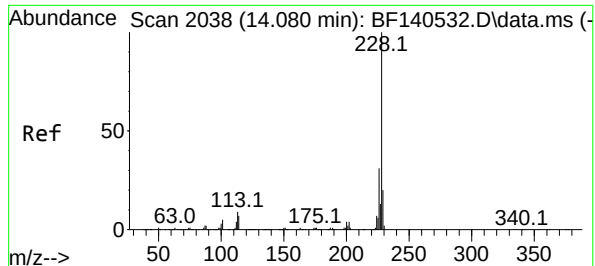


#82
3,3'-Dichlorobenzidine
Concen: 41.554 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



Tgt Ion:252 Resp: 197667
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 10.8 8.6 13.0





#83

Chrysene

Concen: 39.696 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 575079

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

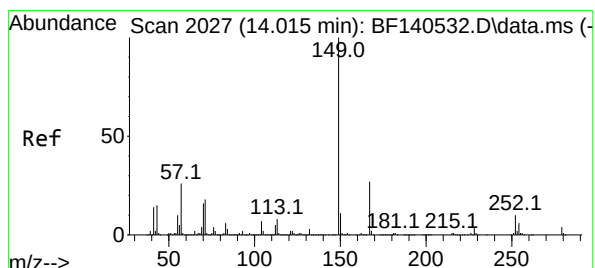
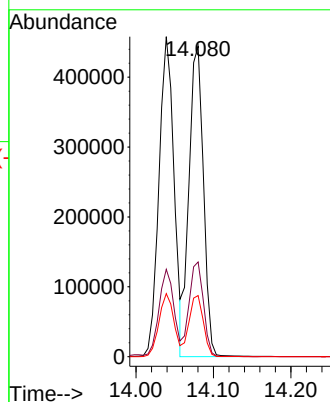
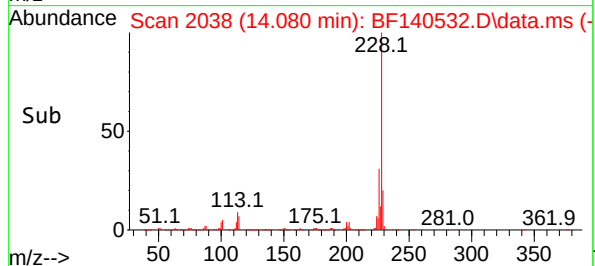
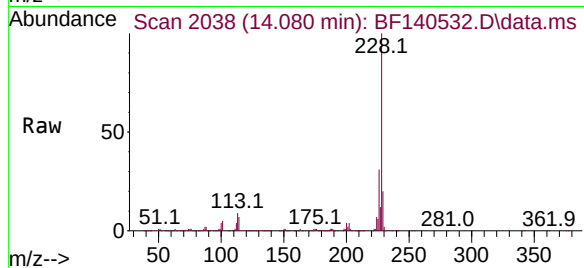
229 19.7 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.604 ng

RT: 14.015 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

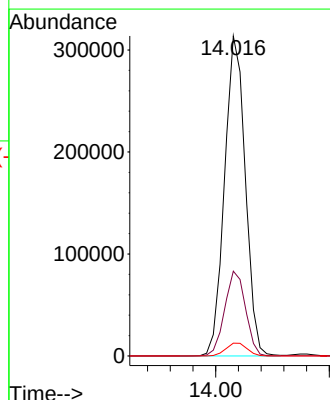
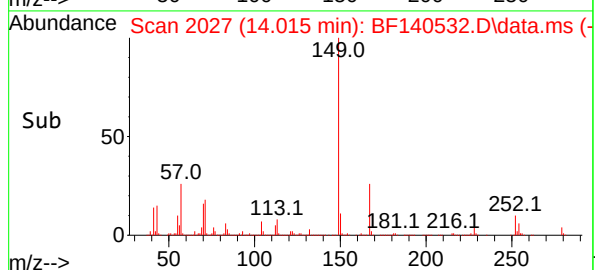
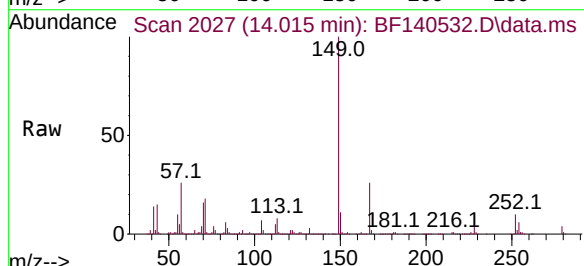
Tgt Ion:149 Resp: 398677

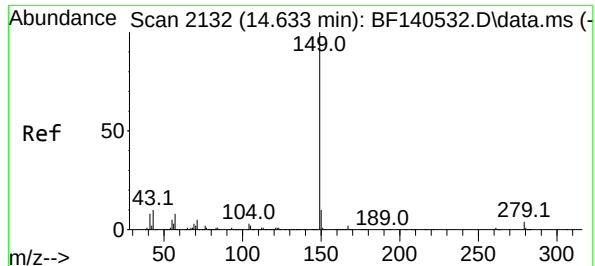
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

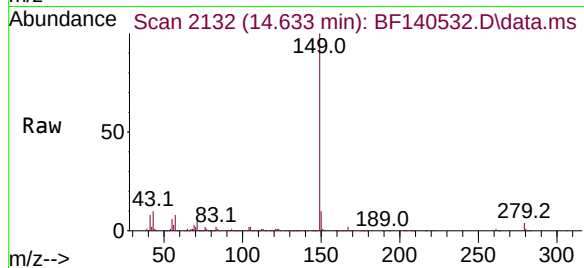
279 4.0 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 39.393 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

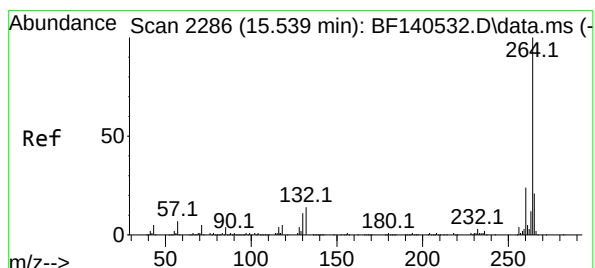
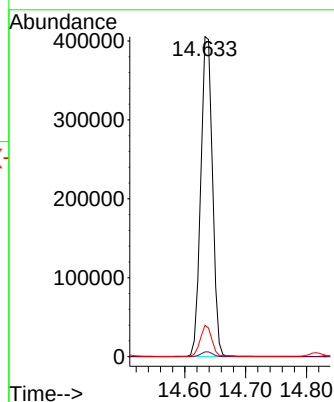
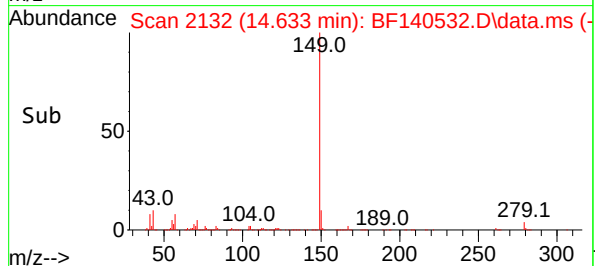
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 54193
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.7 11.5

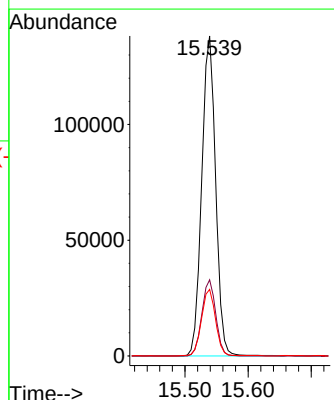
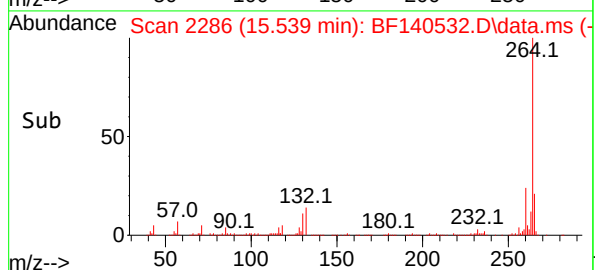
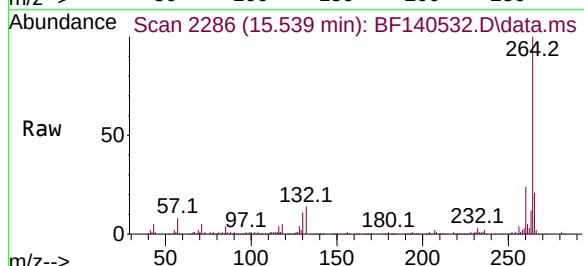
Manual Integrations
APPROVED

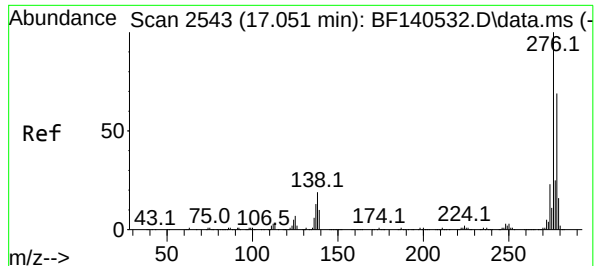
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion:264 Resp: 211422
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 20.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.034 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 551590

Ion Ratio Lower Upper

276 100

138 19.4 15.5 23.3

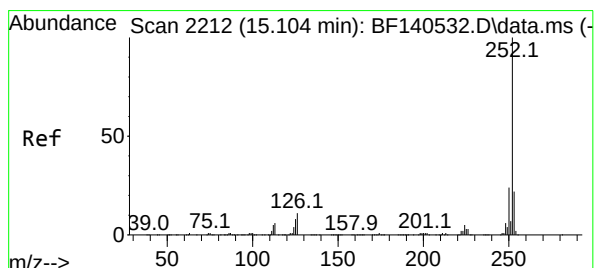
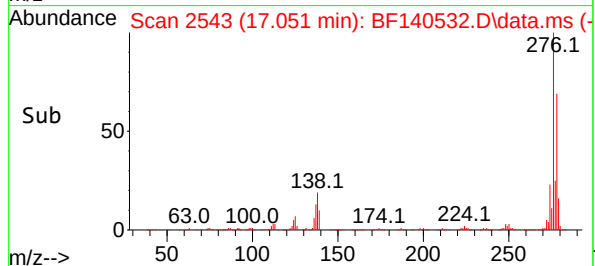
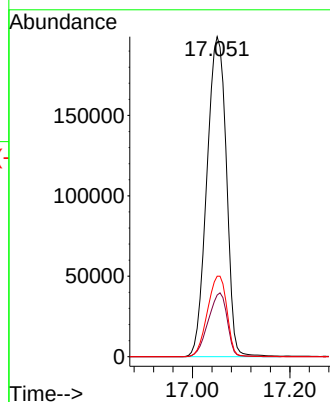
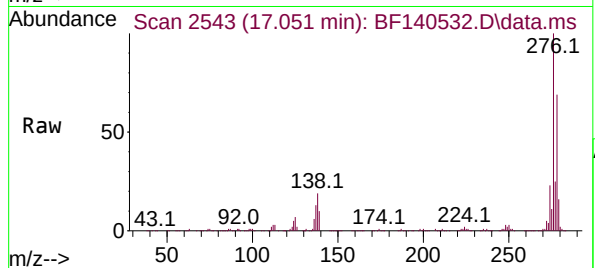
277 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#88

Benzo(b)fluoranthene

Concen: 37.772 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

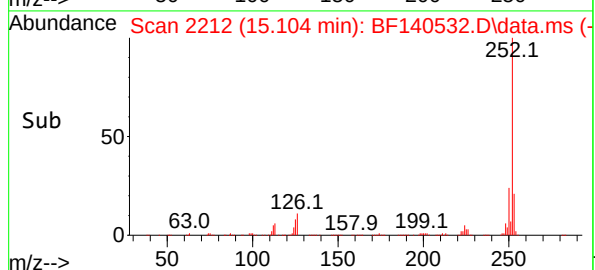
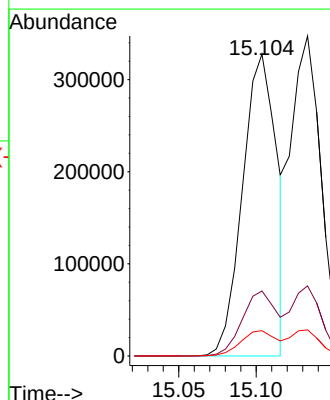
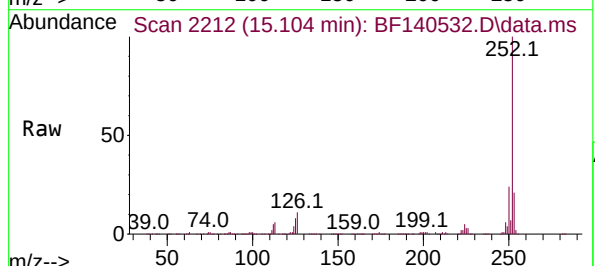
Tgt Ion:252 Resp: 501607

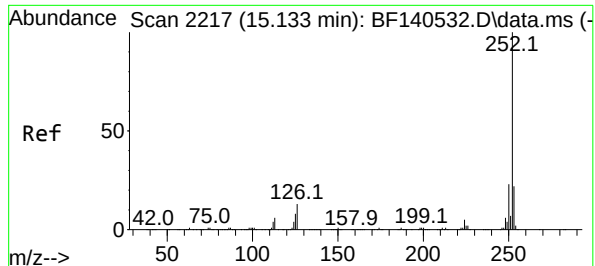
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 40.067 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 465620

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

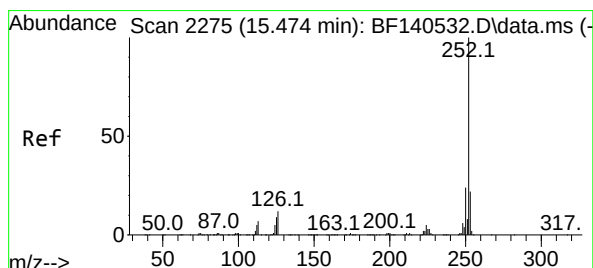
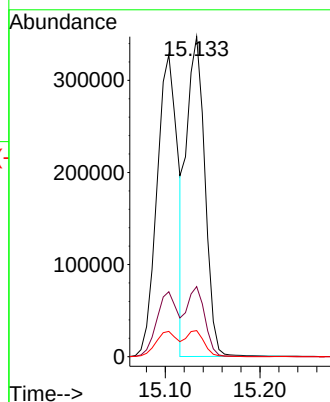
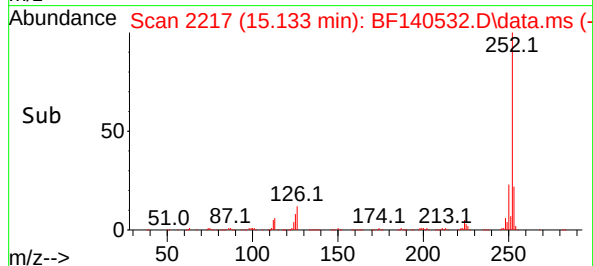
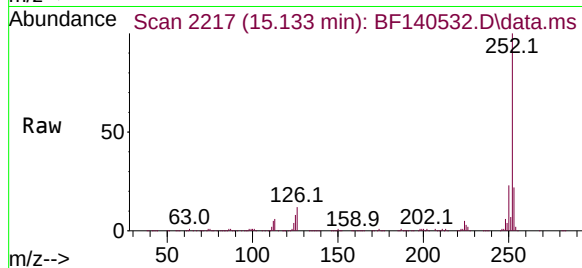
125 8.1 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 39.444 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

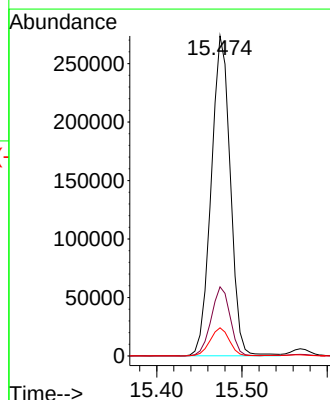
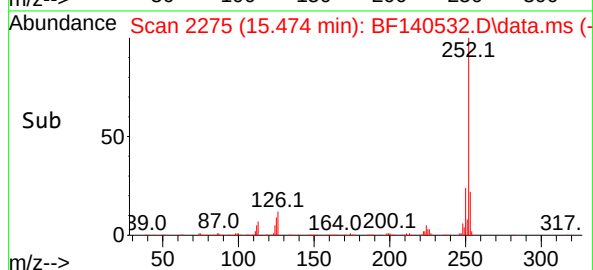
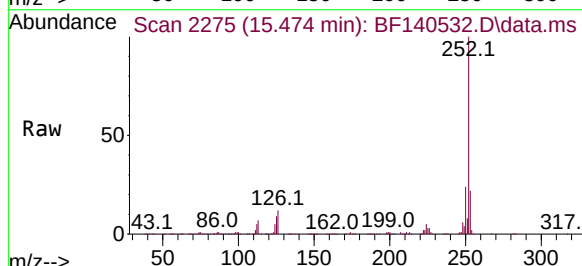
Tgt Ion:252 Resp: 425894

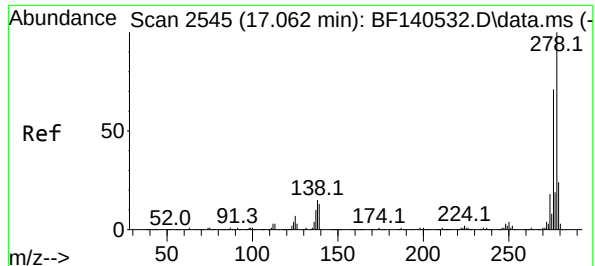
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

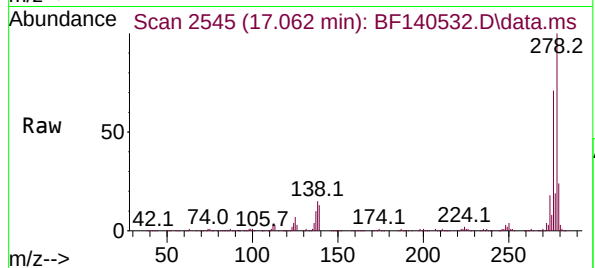
125 8.8 7.0 10.6





#91
Dibenzo(a,h)anthracene
Concen: 40.022 ng
RT: 17.062 min Scan# 2545
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

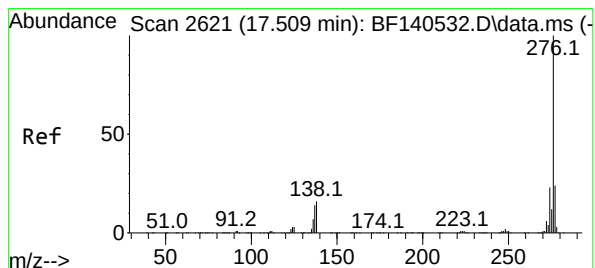
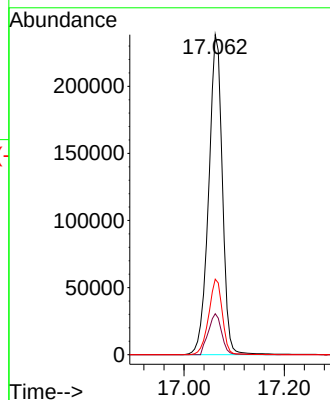
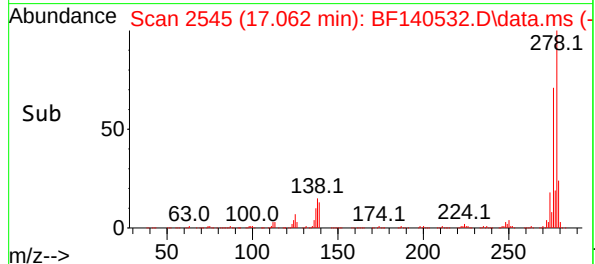
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 278 Resp: 451597
Ion Ratio Lower Upper
278 100
139 12.8 10.2 15.4
279 23.6 18.9 28.3

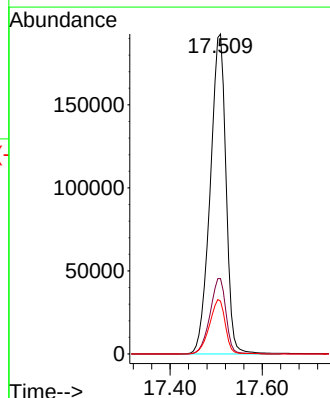
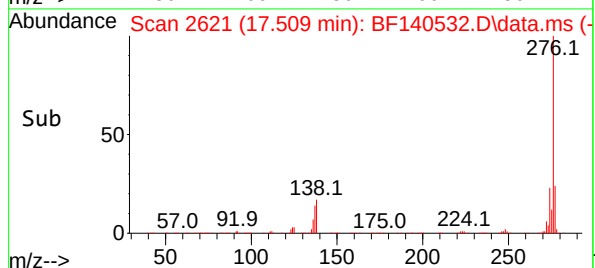
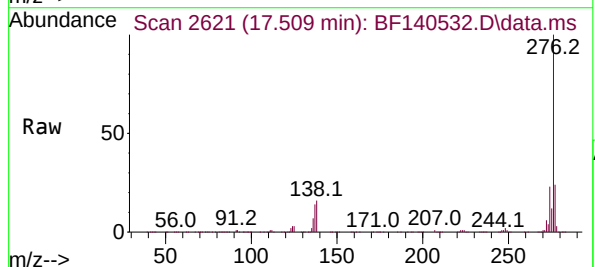
Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/27/2024



#92
Benzo(g,h,i)perylene
Concen: 39.861 ng
RT: 17.509 min Scan# 2621
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Tgt Ion: 276 Resp: 458972
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 16.5 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140533.D
 Acq On : 21 Nov 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Nov 21 15:13:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	117539	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	425301	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	233869	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	432727	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241266	20.000	ng	0.00
86) Perylene-d12	15.545	264	219139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	656695	95.327	ng	0.00
7) Phenol-d6	6.522	99	860924	94.531	ng	0.00
23) Nitrobenzene-d5	7.445	82	801144	96.352	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	245159	98.015	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1467020	93.462	ng	0.00
79) Terphenyl-d14	12.992	244	1481875	95.640	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	132951	45.902	ng	99
3) Pyridine	3.416	79	312094	48.973	ng	97
4) n-Nitrosodimethylamine	3.387	42	185759	49.595	ng	99
6) Aniline	6.545	93	306198	47.767	ng	99
8) 2-Chlorophenol	6.669	128	352950	47.623	ng	97
9) Benzaldehyde	6.428	77	220959	45.830	ng	100
10) Phenol	6.534	94	444859	47.830	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	336892	47.335	ng	100
12) 1,3-Dichlorobenzene	6.816	146	395334	47.472	ng	99
13) 1,4-Dichlorobenzene	6.892	146	399191	47.341	ng	100
14) 1,2-Dichlorobenzene	7.045	146	372552	47.151	ng	98
15) Benzyl Alcohol	7.022	79	327081	48.428	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	392372	46.665	ng	93
17) 2-Methylphenol	7.134	107	280882	47.344	ng	98
18) Hexachloroethane	7.386	117	151045	47.961	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	251453	46.718	ng	99
20) 3+4-Methylphenols	7.292	107	355860	46.666	ng	95
22) Acetophenone	7.286	105	492194	47.469	ng	98
24) Nitrobenzene	7.463	77	412860	48.043	ng	99
25) Isophorone	7.698	82	668649	48.214	ng	100
26) 2-Nitrophenol	7.775	139	189056	49.644	ng	99
27) 2,4-Dimethylphenol	7.816	122	217017	47.628	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	402409	47.630	ng	100
29) 2,4-Dichlorophenol	8.022	162	295023	48.863	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	336812	48.858	ng	98
31) Naphthalene	8.181	128	1055423	48.178	ng	100
32) Benzoic acid	7.957	122	196545	49.333	ng	99
33) 4-Chloroaniline	8.233	127	322212	49.125	ng	99
34) Hexachlorobutadiene	8.292	225	221707	48.555	ng	99
35) Caprolactam	8.616	113	90596	48.486	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	326418	48.287	ng	99
37) 2-Methylnaphthalene	8.869	142	662592	47.620	ng	100
38) 1-Methylnaphthalene	8.969	142	649248	47.603	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	328190	47.935	ng	99
41) Hexachlorocyclopentadiene	9.016	237	70831	49.123	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	212974	49.574	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140533.D
 Acq On : 21 Nov 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

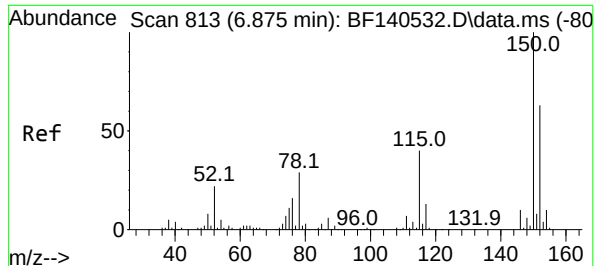
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	227840	48.866	ng	98
46) 1,1'-Biphenyl	9.333	154	834139	47.772	ng	99
47) 2-Chloronaphthalene	9.363	162	632459	47.803	ng	99
48) 2-Nitroaniline	9.457	65	212420	50.020	ng	98
49) Acenaphthylene	9.775	152	951784	47.612	ng	99
50) Dimethylphthalate	9.639	163	740559	48.081	ng	99
51) 2,6-Dinitrotoluene	9.704	165	169989	48.663	ng	96
52) Acenaphthene	9.951	154	615149	47.524	ng	99
53) 3-Nitroaniline	9.875	138	169234	49.534	ng	96
54) 2,4-Dinitrophenol	9.980	184	84985	50.205	ng	99
55) Dibenzofuran	10.122	168	911771	47.061	ng	99
56) 4-Nitrophenol	10.045	139	124021	53.227	ng	98
57) 2,4-Dinitrotoluene	10.110	165	225762	48.629	ng	98
58) Fluorene	10.463	166	738453	47.486	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	178549	49.828	ng	97
60) Diethylphthalate	10.333	149	755358	48.268	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	361856	47.414	ng	100
62) 4-Nitroaniline	10.492	138	180999	50.512	ng	99
63) Azobenzene	10.616	77	704370	47.529	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	119290	53.947	ng	99
66) n-Nitrosodiphenylamine	10.574	169	623715	48.740	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	216523	48.587	ng	97
68) Hexachlorobenzene	11.016	284	251498	48.739	ng	100
69) Atrazine	11.098	200	159048	44.180	ng	99
70) Pentachlorophenol	11.210	266	124128	54.656	ng	99
71) Phenanthrene	11.427	178	1000897	48.118	ng	100
72) Anthracene	11.480	178	978923	48.111	ng	100
73) Carbazole	11.639	167	948090	48.436	ng	99
74) Di-n-butylphthalate	11.957	149	1105032	48.899	ng	100
75) Fluoranthene	12.621	202	1080641	47.849	ng	100
77) Benzidine	12.745	184	442856	63.133	ng	100
78) Pyrene	12.851	202	1080149	48.420	ng	100
80) Butylbenzylphthalate	13.463	149	394867	49.136	ng	99
81) Benzo(a)anthracene	14.045	228	780853	48.892	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	244892	51.072	ng	99
83) Chrysene	14.080	228	685847	46.964	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	497161	48.994	ng	100
85) Di-n-octyl phthalate	14.645	149	692020	49.901	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	715720	50.117	ng	100
88) Benzo(b)fluoranthene	15.109	252	683919	49.687	ng	100
89) Benzo(k)fluoranthene	15.139	252	559704	46.467	ng	100
90) Benzo(a)pyrene	15.486	252	546539	48.835	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	588742	50.339	ng	99
92) Benzo(g,h,i)perylene	17.521	276	599158	50.203	ng	99

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

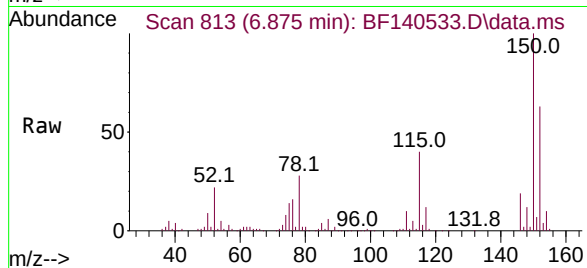
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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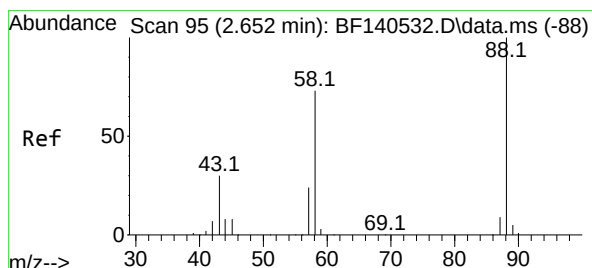
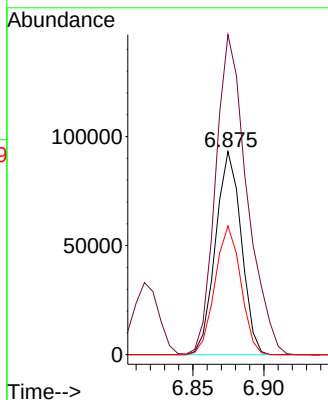
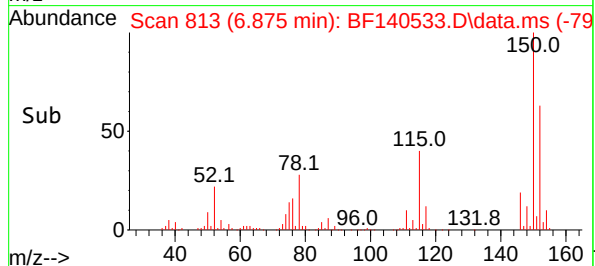


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

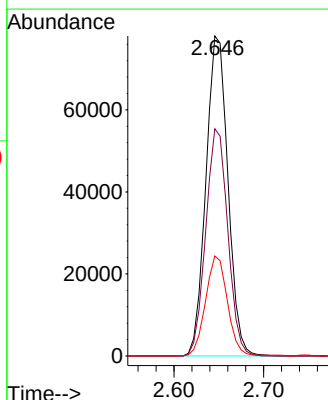
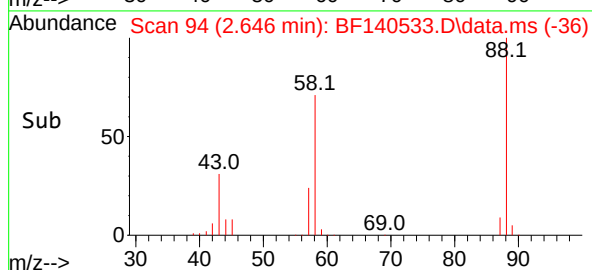
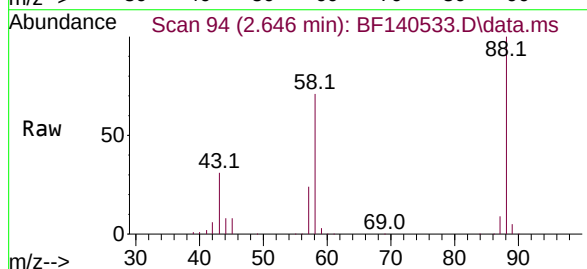


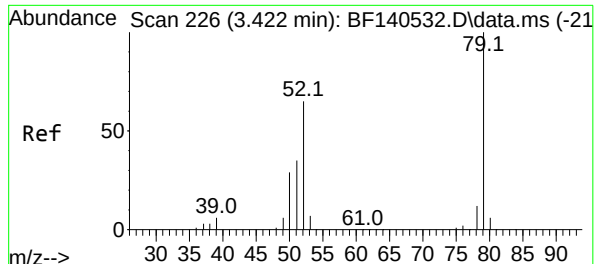
Tgt Ion:152 Resp: 117539
Ion Ratio Lower Upper
152 100
150 157.5 128.5 192.7
115 63.3 50.2 75.4



#2
1,4-Dioxane
Concen: 45.902 ng
RT: 2.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion: 88 Resp: 132951
Ion Ratio Lower Upper
88 100
58 71.1 57.4 86.2
43 31.0 24.3 36.5





#3

Pyridine

Concen: 48.973 ng

RT: 3.416 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

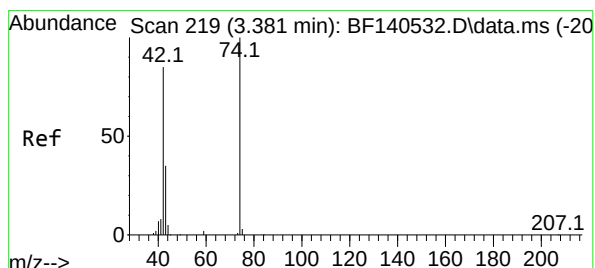
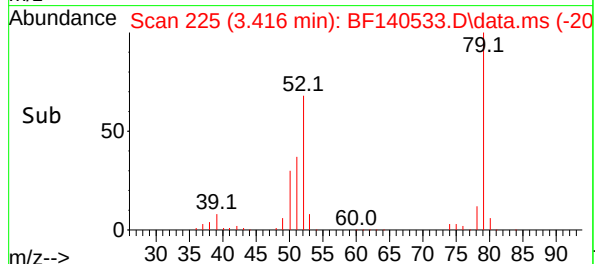
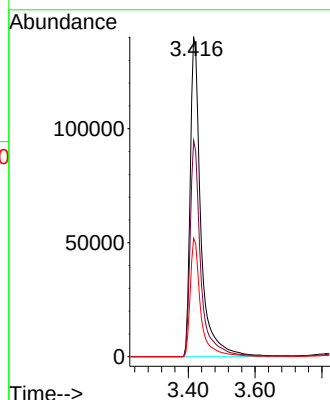
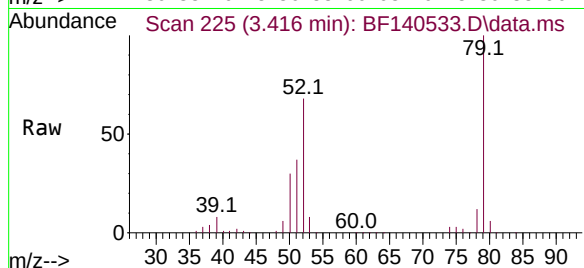
Tgt Ion: 79 Resp: 312094

Ion Ratio Lower Upper

79 100

52 67.5 52.1 78.1

51 37.0 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 49.595 ng

RT: 3.387 min Scan# 220

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

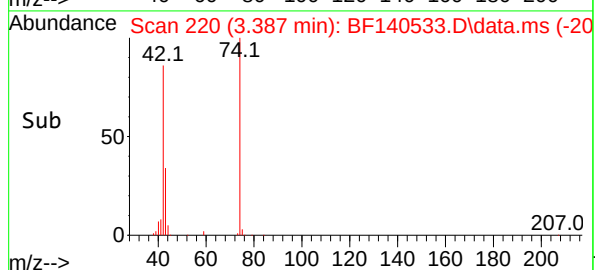
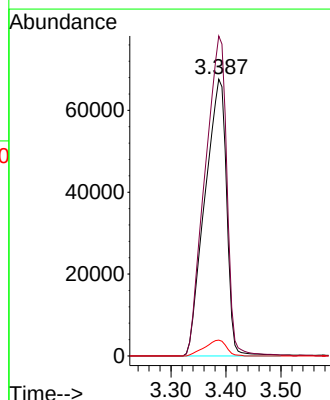
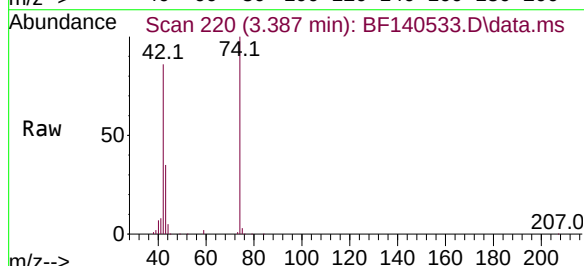
Tgt Ion: 42 Resp: 185759

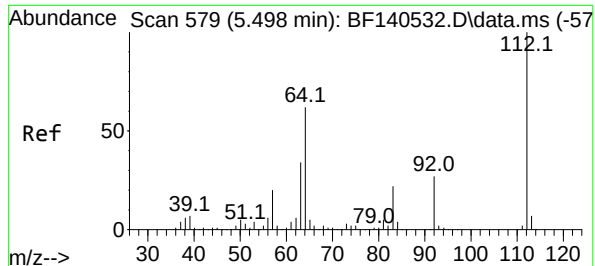
Ion Ratio Lower Upper

42 100

74 115.6 93.8 140.6

44 5.7 4.6 6.8

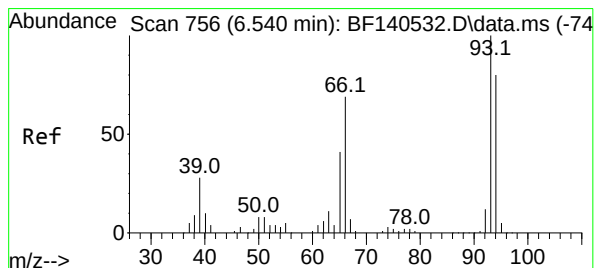
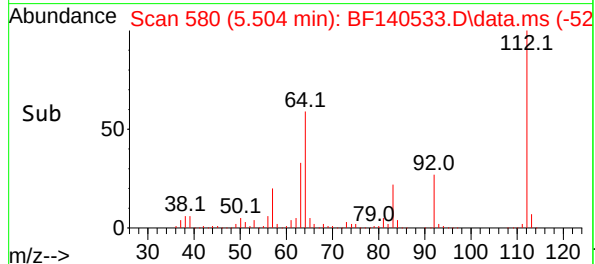
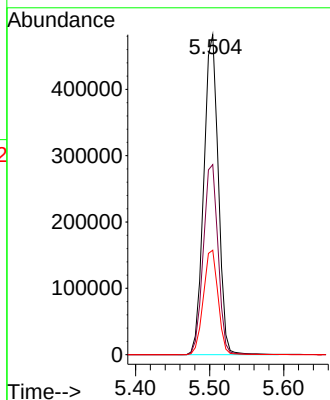
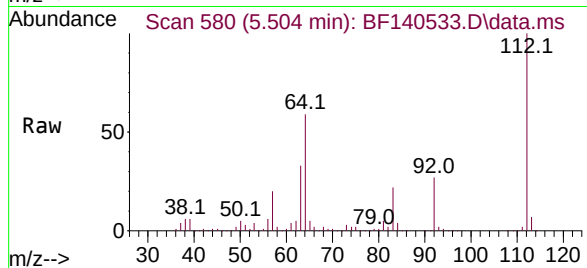




#5
2-Fluorophenol
Concen: 95.327 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

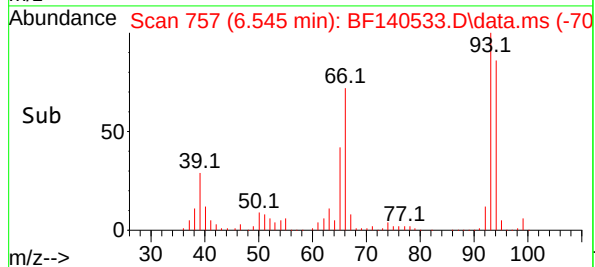
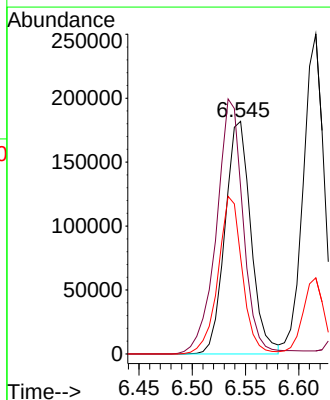
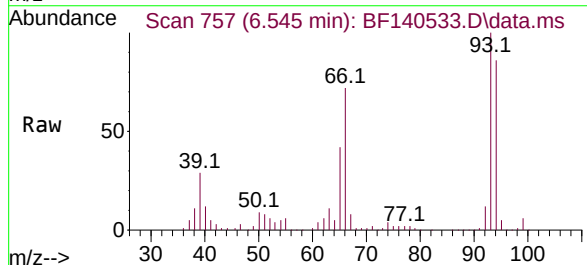
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

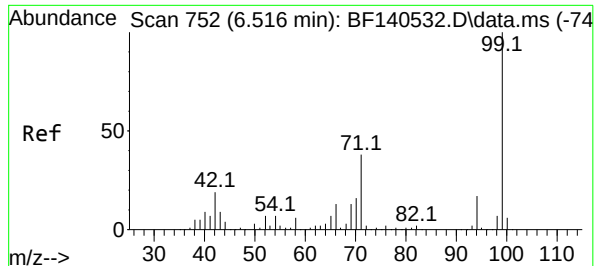
Tgt Ion:112 Resp: 656695
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 32.7 27.0 40.4



#6
Aniline
Concen: 47.767 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion: 93 Resp: 306198
Ion Ratio Lower Upper
93 100
66 71.8 56.5 84.7
65 41.5 32.9 49.3





#7

Phenol-d6

Concen: 94.531 ng

RT: 6.522 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

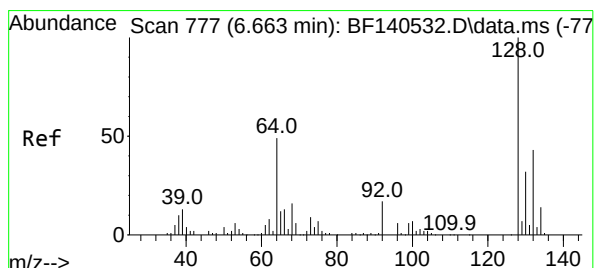
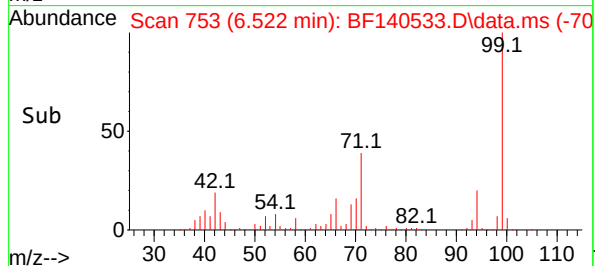
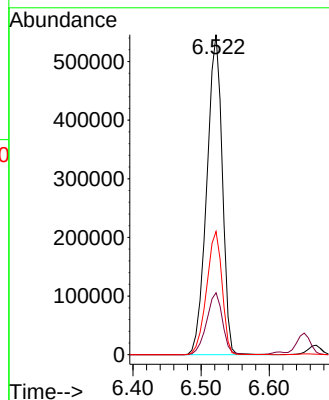
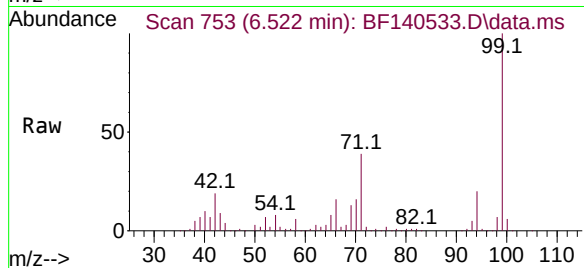
Tgt Ion: 99 Resp: 860924

Ion Ratio Lower Upper

99 100

42 19.3 15.4 23.0

71 38.5 30.6 46.0



#8

2-Chlorophenol

Concen: 47.623 ng

RT: 6.669 min Scan# 778

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

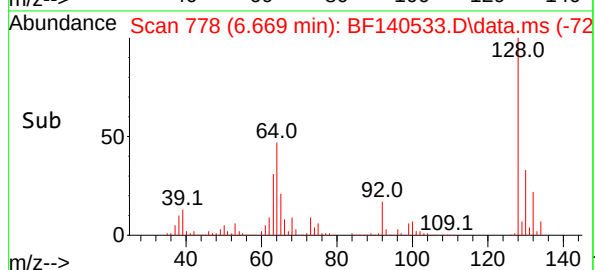
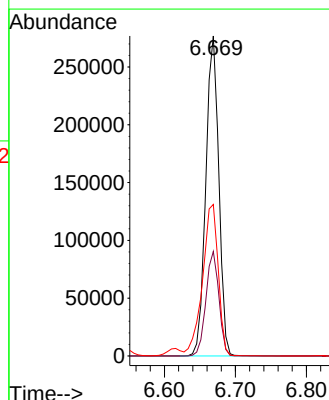
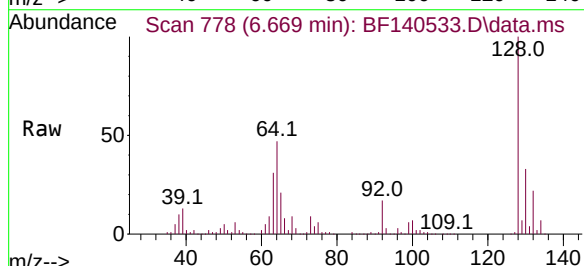
Tgt Ion:128 Resp: 352950

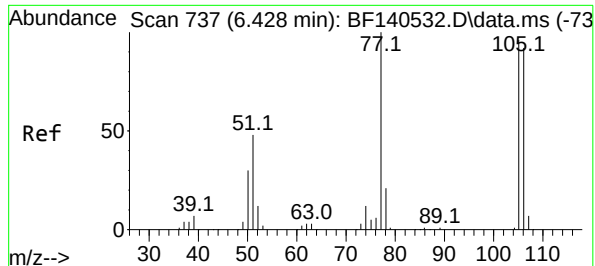
Ion Ratio Lower Upper

128 100

130 32.7 12.3 52.3

64 47.3 30.2 70.2





#9

Benzaldehyde

Concen: 45.830 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

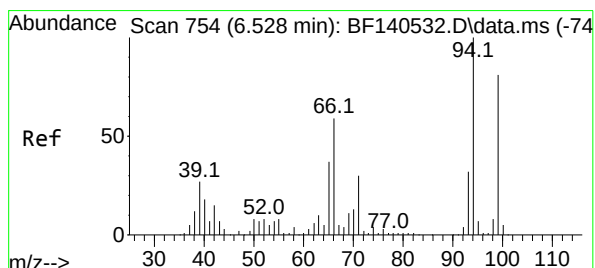
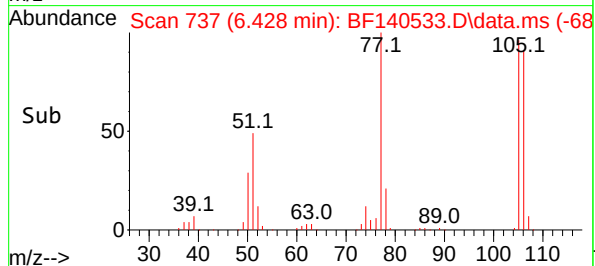
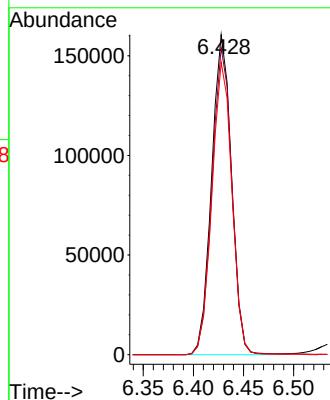
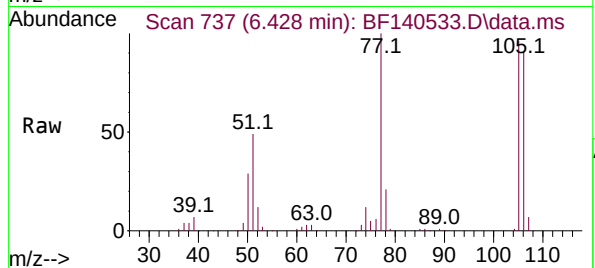
Tgt Ion: 77 Resp: 220959

Ion Ratio Lower Upper

77 100

105 95.9 75.6 115.6

106 91.4 72.0 112.0



#10

Phenol

Concen: 47.830 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

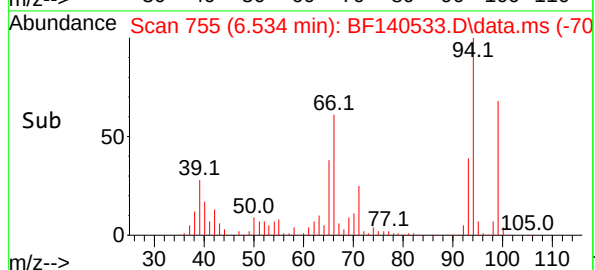
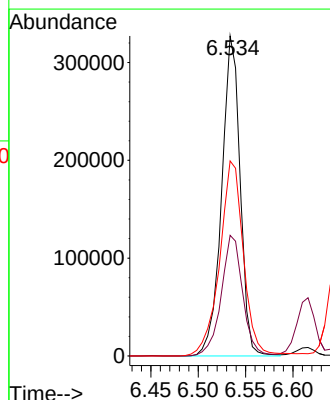
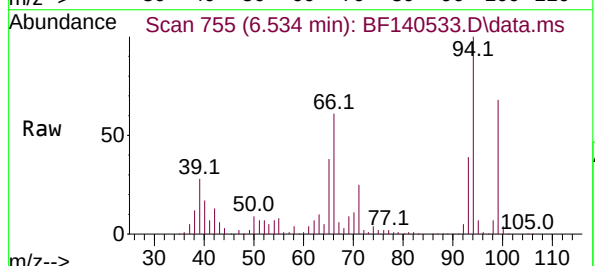
Tgt Ion: 94 Resp: 444859

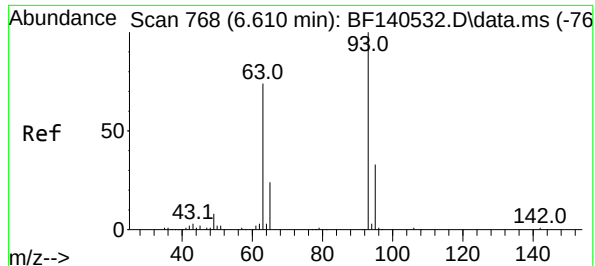
Ion Ratio Lower Upper

94 100

65 37.7 17.2 57.2

66 61.0 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 47.335 ng

RT: 6.616 min Scan# 768

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

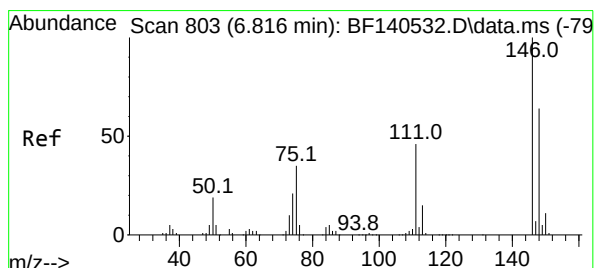
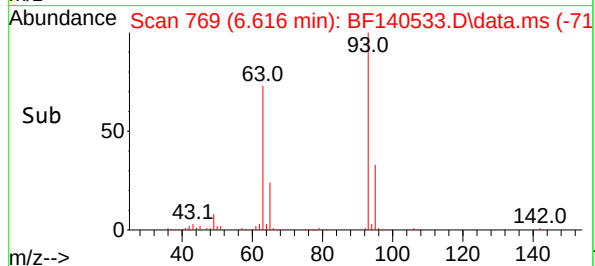
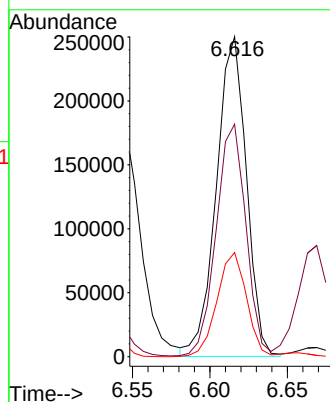
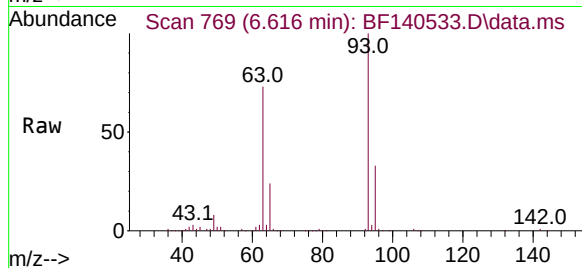
Tgt Ion: 93 Resp: 336892

Ion Ratio Lower Upper

93 100

63 72.7 52.8 92.8

95 32.5 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 47.472 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

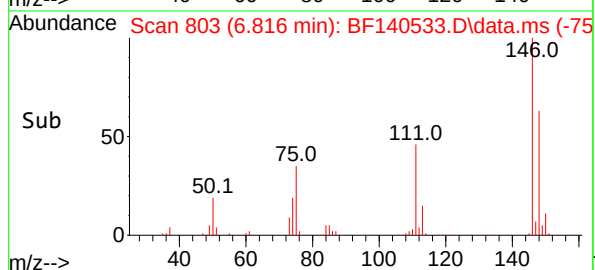
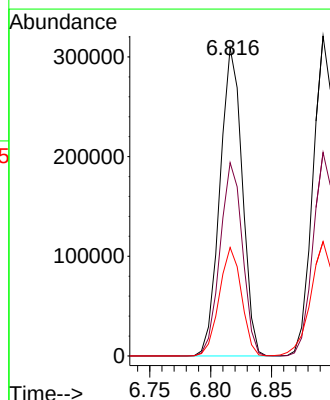
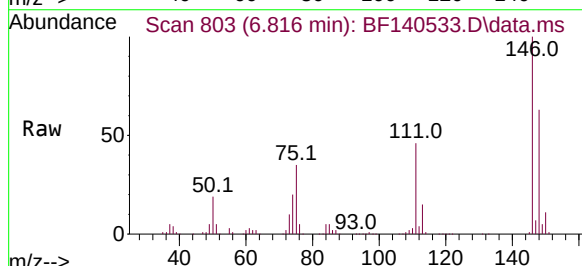
Tgt Ion:146 Resp: 395334

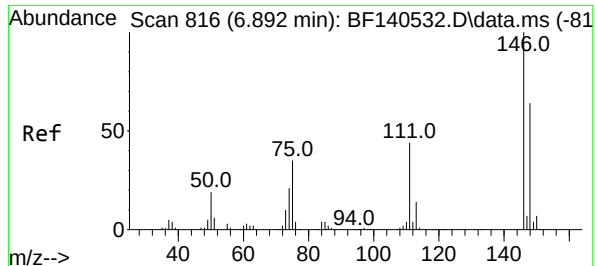
Ion Ratio Lower Upper

146 100

148 62.7 51.3 76.9

75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 47.341 ng

RT: 6.892 min Scan# 816

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

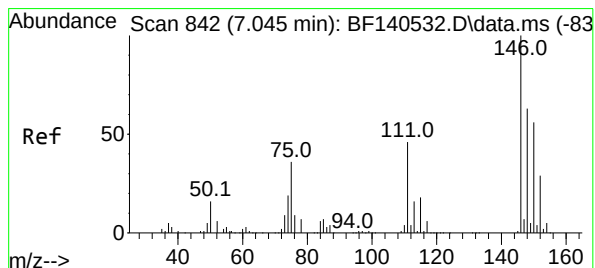
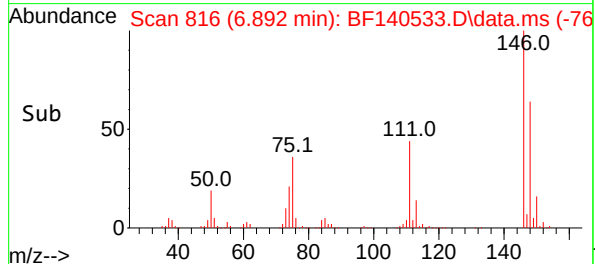
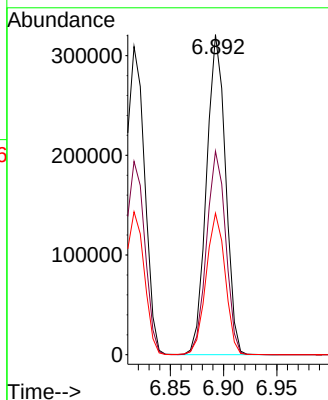
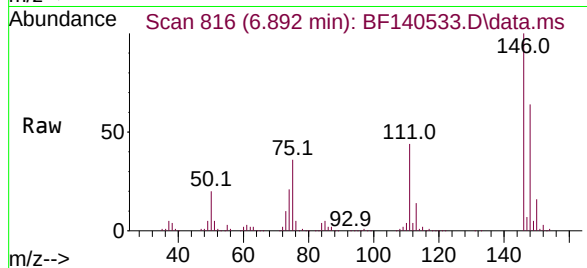
Tgt Ion:146 Resp: 399191

Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.6

111 44.2 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 47.151 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

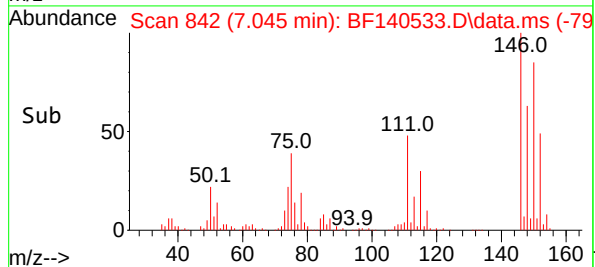
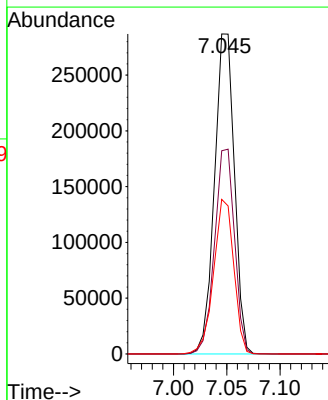
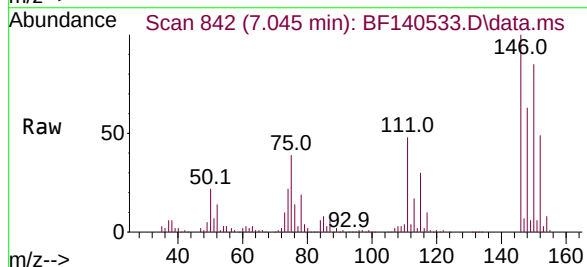
Tgt Ion:146 Resp: 372552

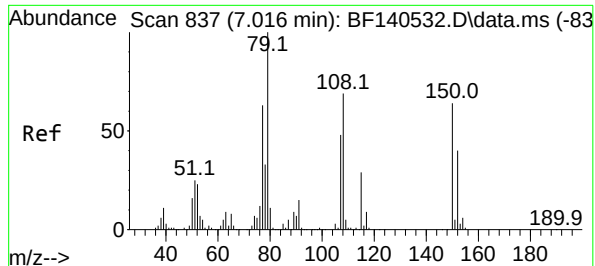
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

111 48.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 48.428 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

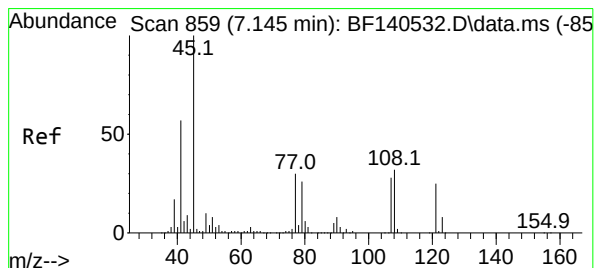
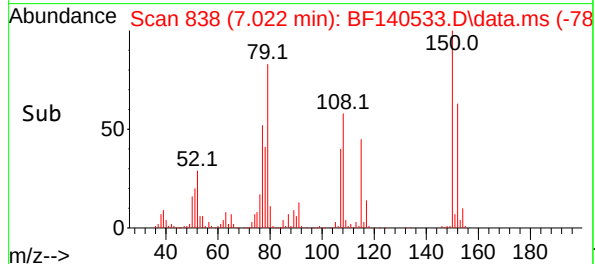
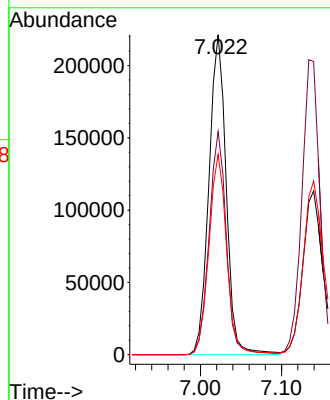
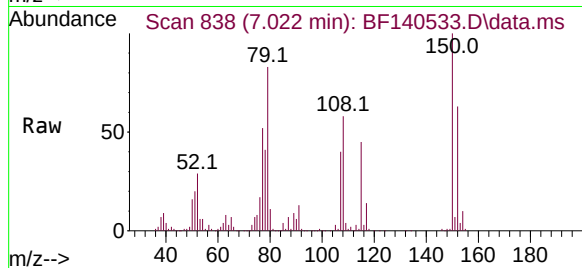
Tgt Ion: 79 Resp: 327081

Ion Ratio Lower Upper

79 100

108 69.7 55.0 82.6

77 62.6 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.665 ng

RT: 7.151 min Scan# 860

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

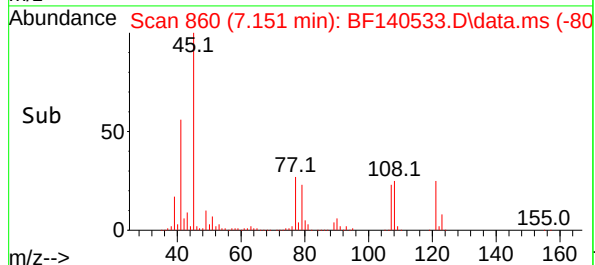
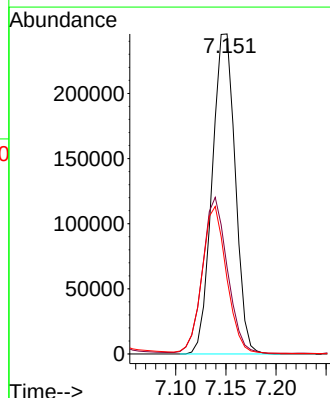
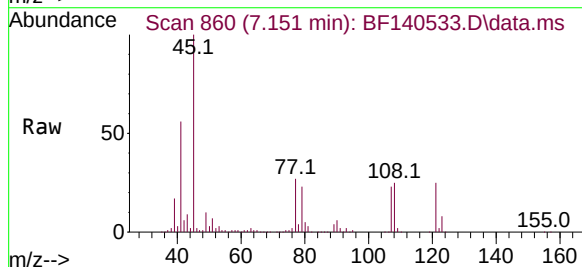
Tgt Ion: 45 Resp: 392372

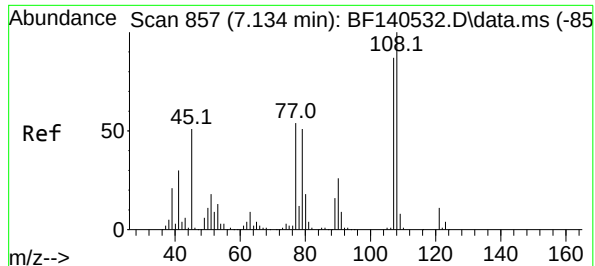
Ion Ratio Lower Upper

45 100

77 27.1 10.7 50.7

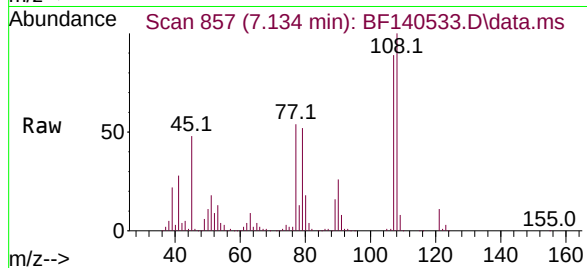
79 23.3 7.0 47.0



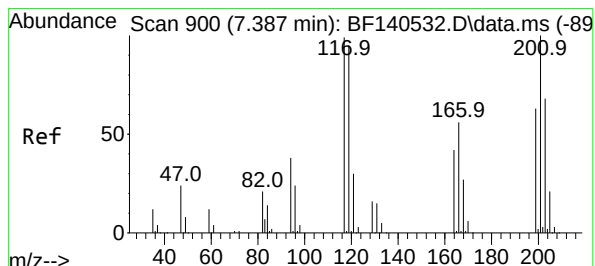
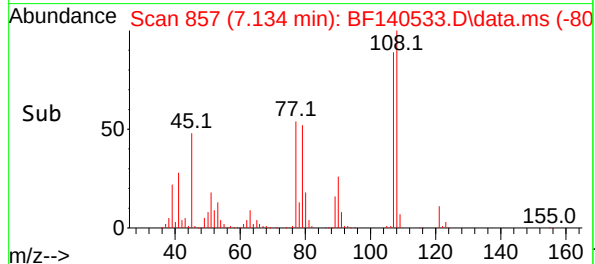
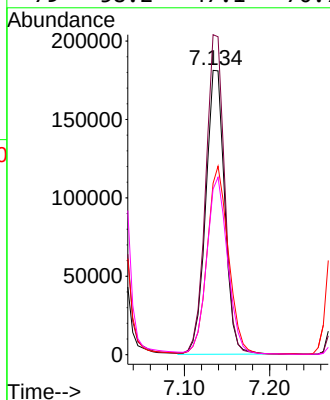


#17
2-Methylphenol
Concen: 47.344 ng
RT: 7.134 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

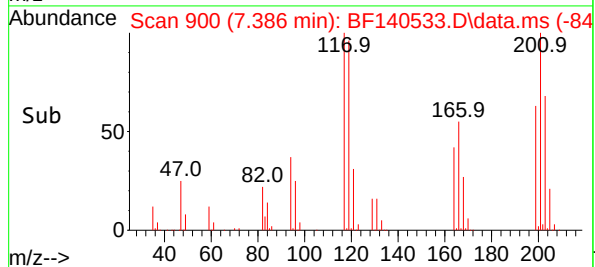
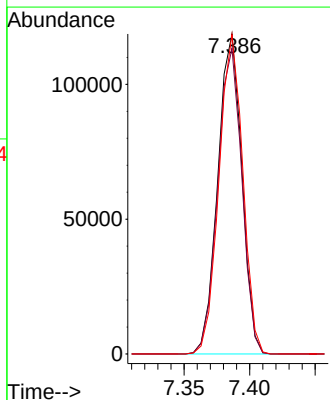
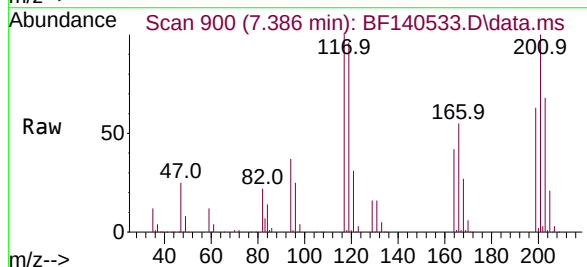


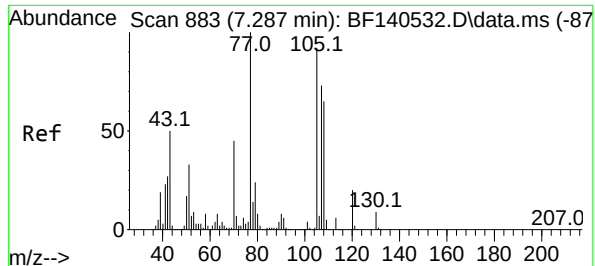
Tgt Ion:107 Resp: 280882
Ion Ratio Lower Upper
107 100
108 112.5 91.7 137.5
77 60.3 49.3 73.9
79 58.2 47.1 70.7



#18
Hexachloroethane
Concen: 47.961 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:117 Resp: 151045
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
201 99.8 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 46.718 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 251453

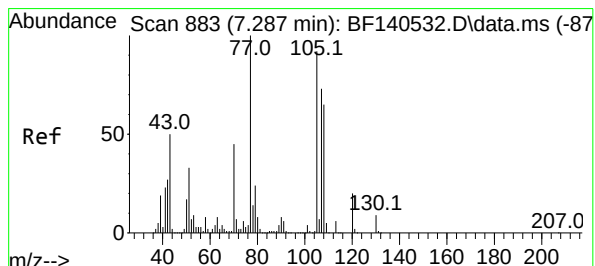
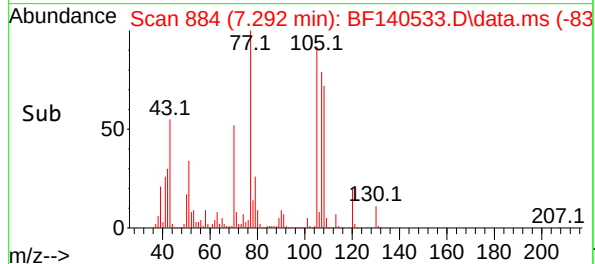
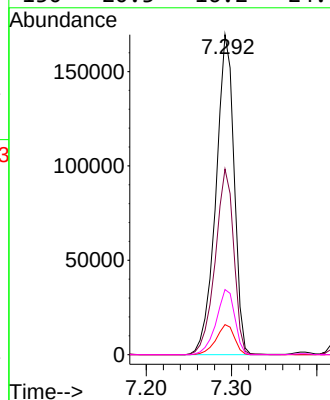
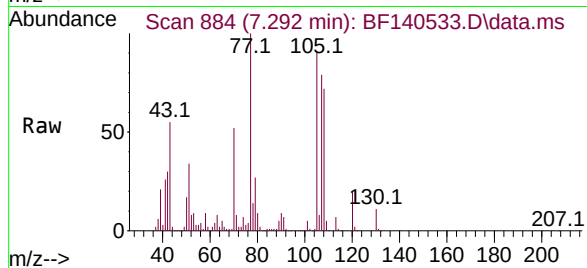
Ion Ratio Lower Upper

70 100

42 58.0 47.6 71.4

101 9.4 7.6 11.4

130 20.3 16.2 24.4



#20

3+4-Methylphenols

Concen: 46.666 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Tgt Ion: 107 Resp: 355860

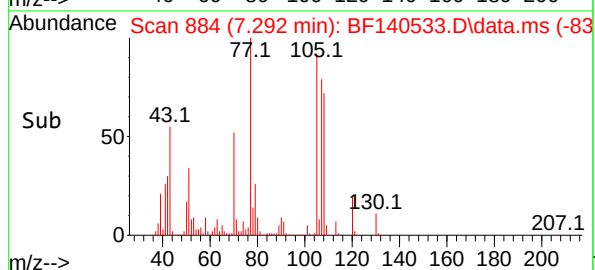
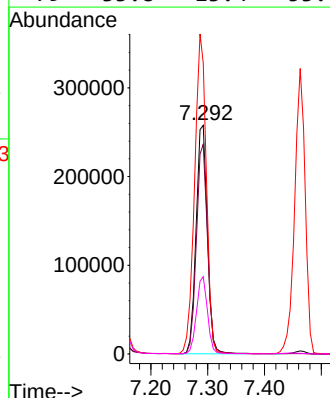
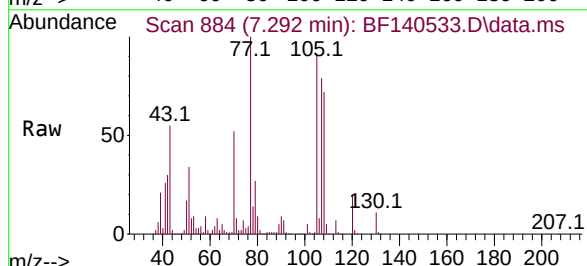
Ion Ratio Lower Upper

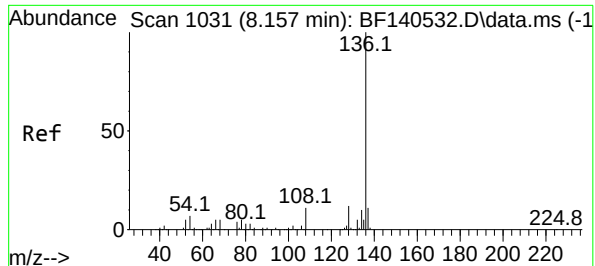
107 100

108 91.7 69.9 109.9

77 127.3 117.7 157.7

79 33.8 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 425301

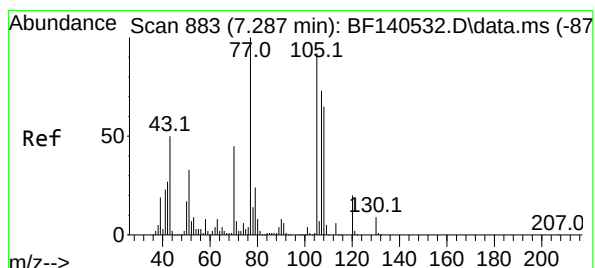
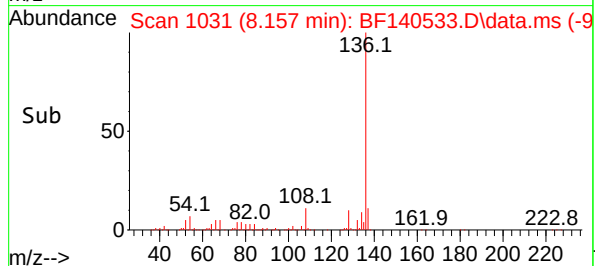
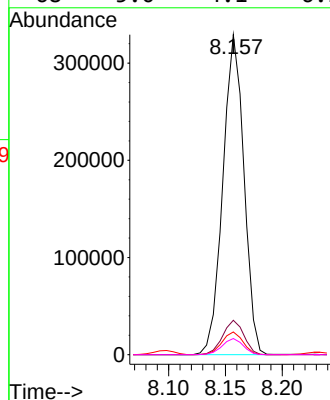
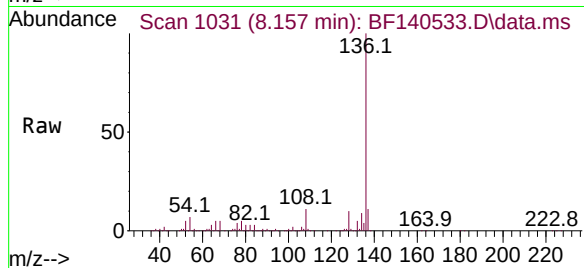
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.1 5.8 8.8

68 5.0 4.1 6.1



#22

Acetophenone

Concen: 47.469 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Tgt Ion:105 Resp: 492194

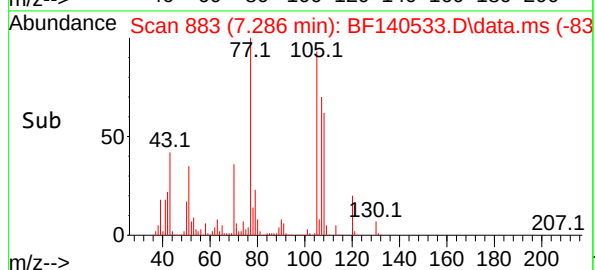
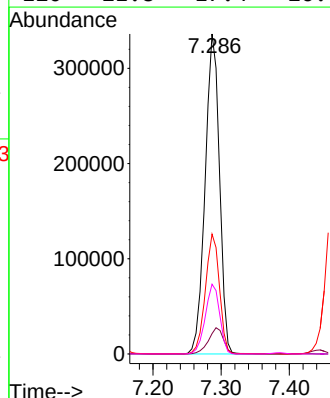
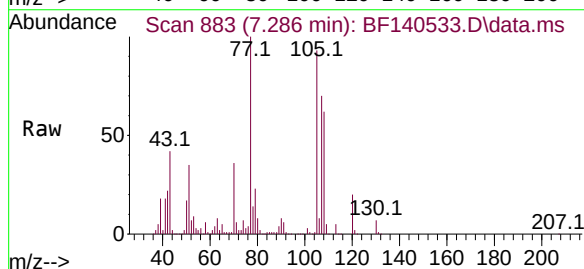
Ion Ratio Lower Upper

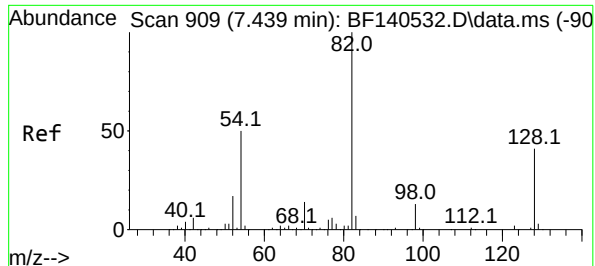
105 100

71 6.4 6.2 9.2

51 37.4 29.0 43.6

120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 96.352 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

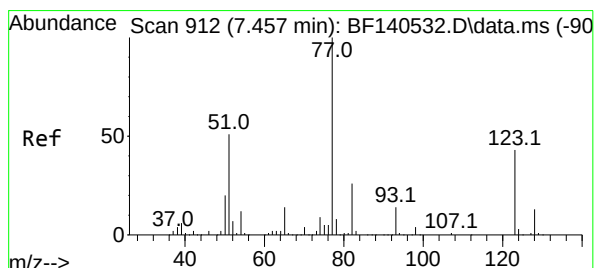
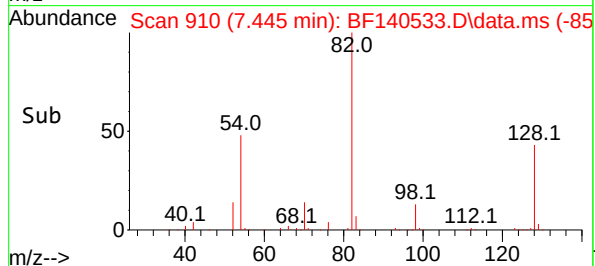
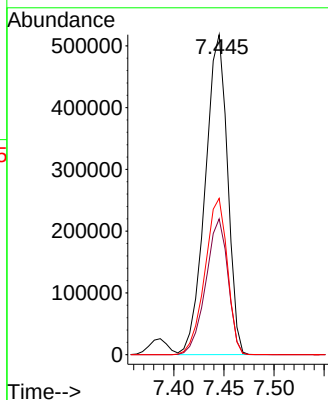
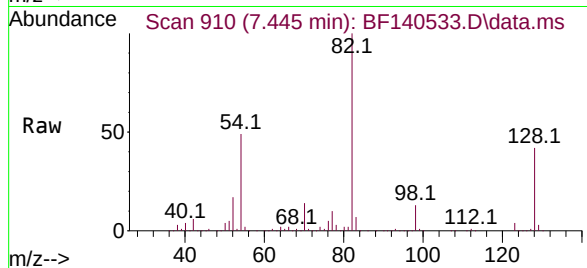
Tgt Ion: 82 Resp: 801144

Ion Ratio Lower Upper

82 100

128 42.5 33.0 49.4

54 48.8 39.5 59.3



#24

Nitrobenzene

Concen: 48.043 ng

RT: 7.463 min Scan# 913

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

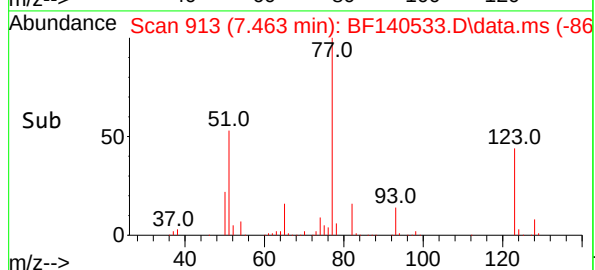
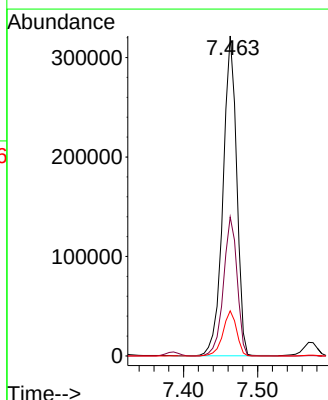
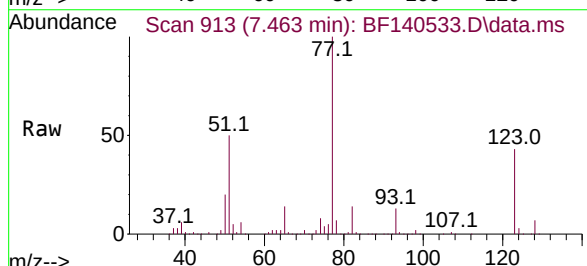
Tgt Ion: 77 Resp: 412860

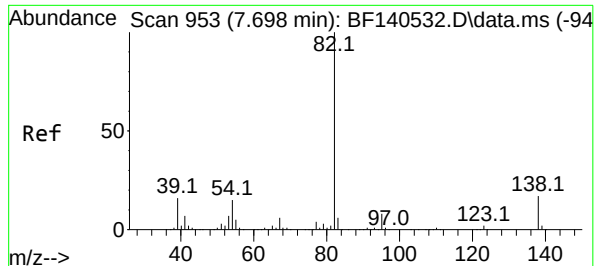
Ion Ratio Lower Upper

77 100

123 43.4 34.3 51.5

65 14.1 11.2 16.8





#25

Isophorone

Concen: 48.214 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

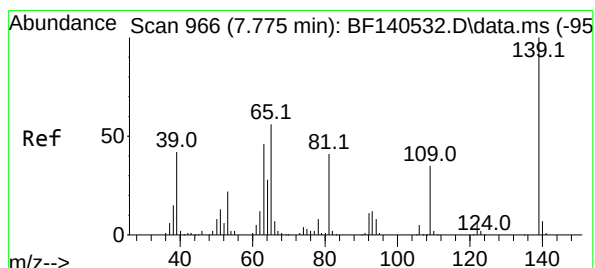
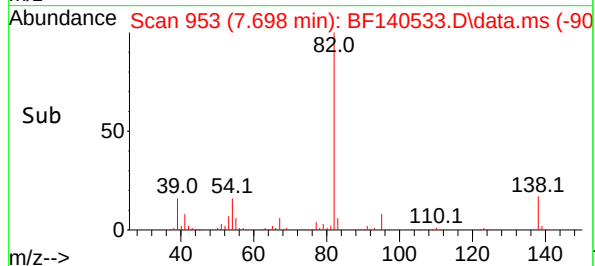
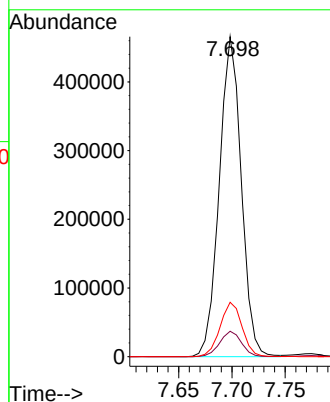
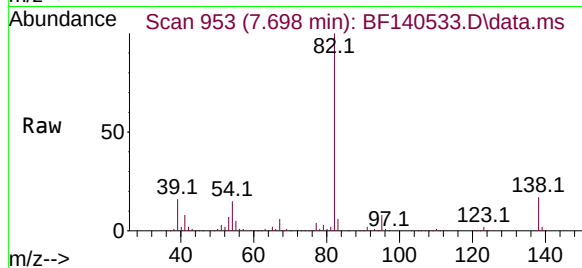
Tgt Ion: 82 Resp: 668649

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

138 17.0 13.8 20.6



#26

2-Nitrophenol

Concen: 49.644 ng

RT: 7.775 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

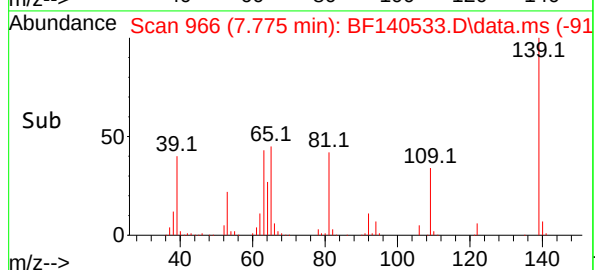
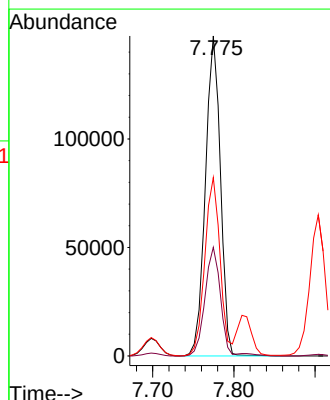
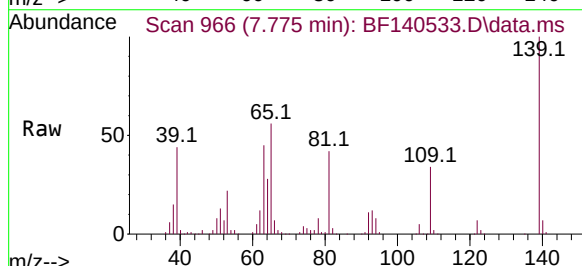
Tgt Ion:139 Resp: 189056

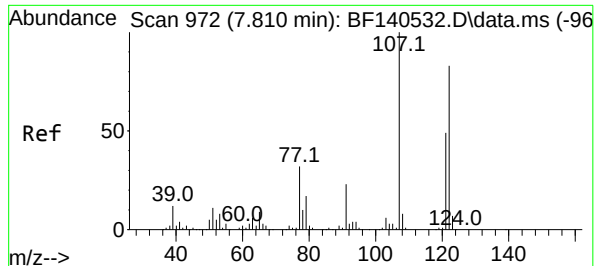
Ion Ratio Lower Upper

139 100

109 33.9 28.0 42.0

65 55.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 47.628 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

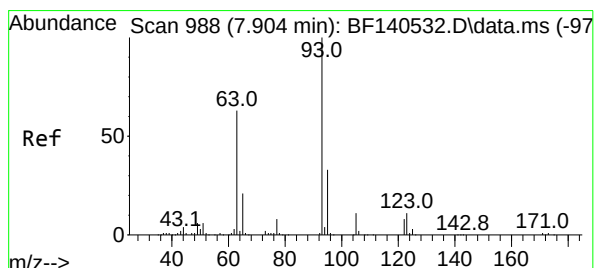
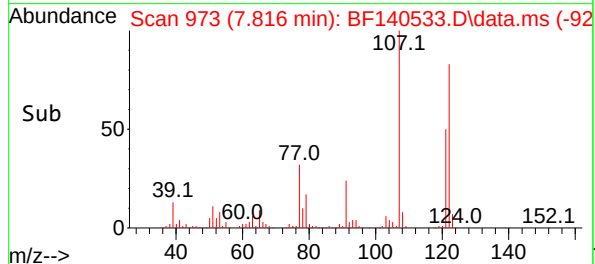
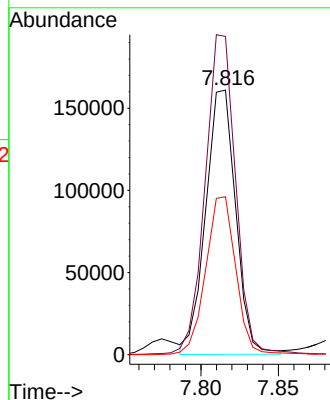
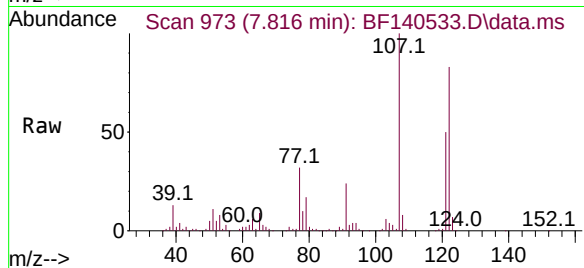
Tgt Ion:122 Resp: 217017

Ion Ratio Lower Upper

122 100

107 120.3 96.8 145.2

121 59.7 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 47.630 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

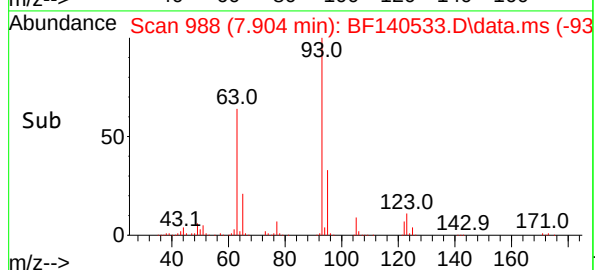
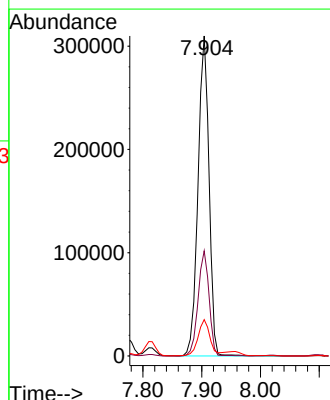
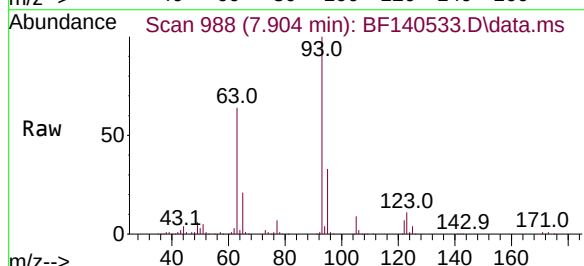
Tgt Ion: 93 Resp: 402409

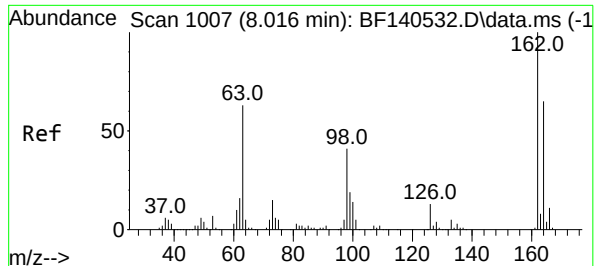
Ion Ratio Lower Upper

93 100

95 32.8 26.1 39.1

123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.863 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

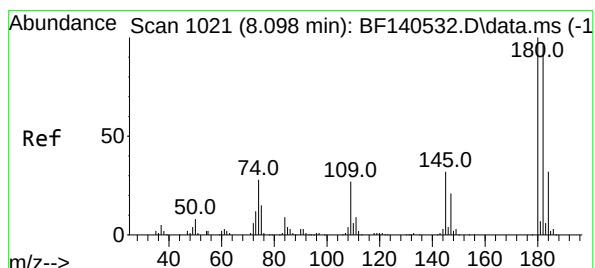
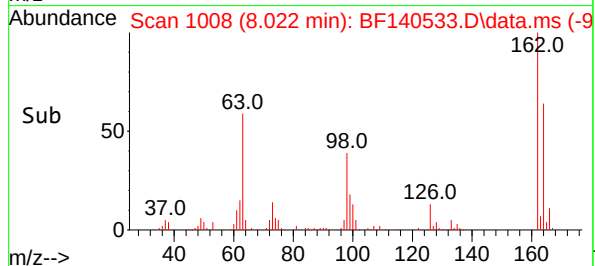
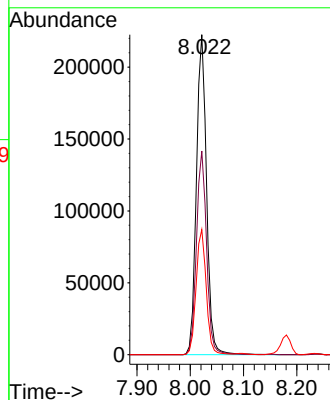
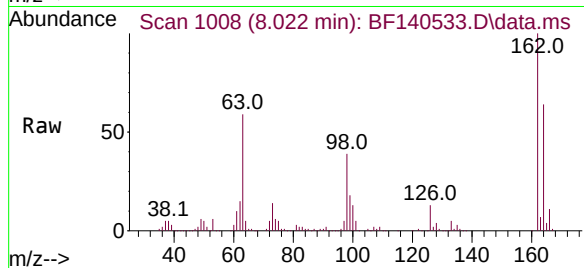
Tgt Ion:162 Resp: 295023

Ion Ratio Lower Upper

162 100

164 63.6 44.8 84.8

98 39.1 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 48.858 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

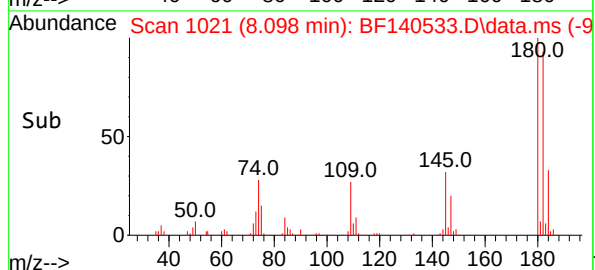
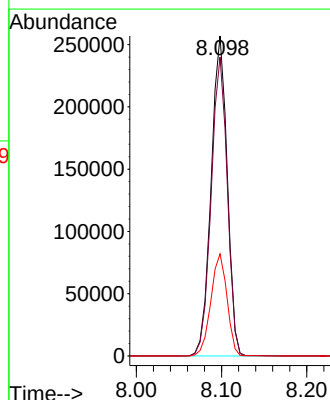
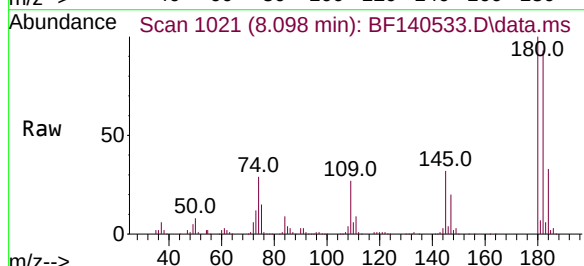
Tgt Ion:180 Resp: 336812

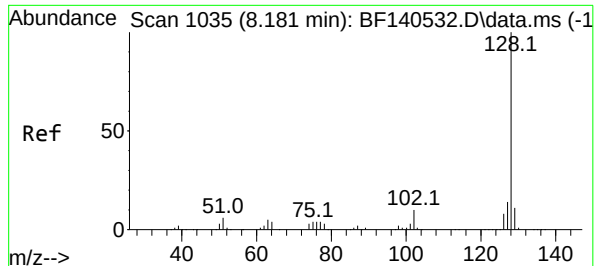
Ion Ratio Lower Upper

180 100

182 93.4 76.4 114.6

145 31.9 25.9 38.9





#31

Naphthalene

Concen: 48.178 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

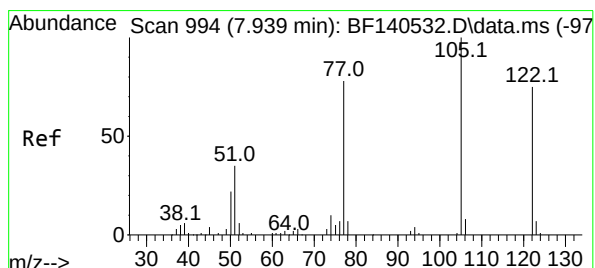
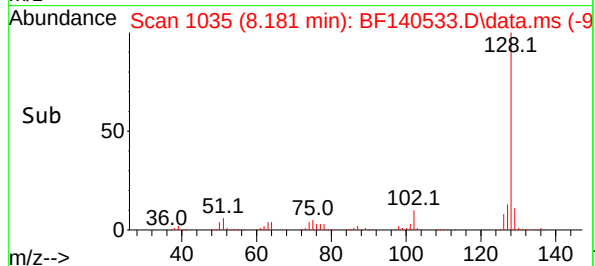
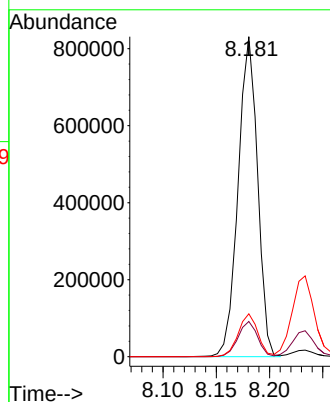
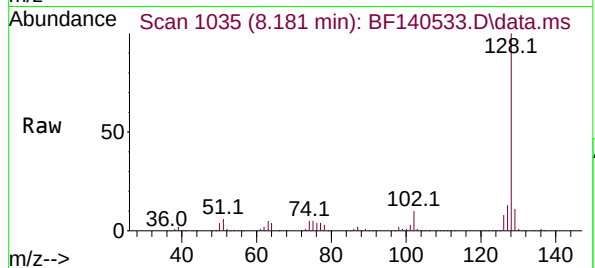
Tgt Ion:128 Resp: 1055423

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 49.333 ng

RT: 7.957 min Scan# 997

Delta R.T. 0.018 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

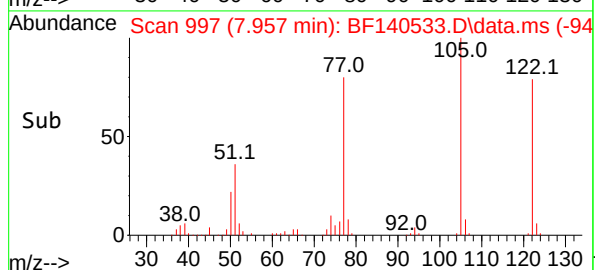
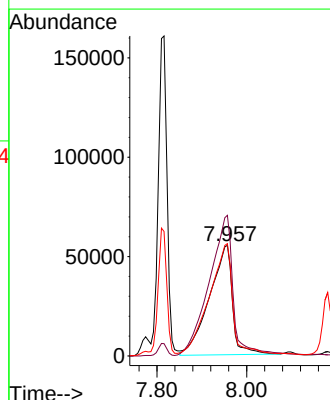
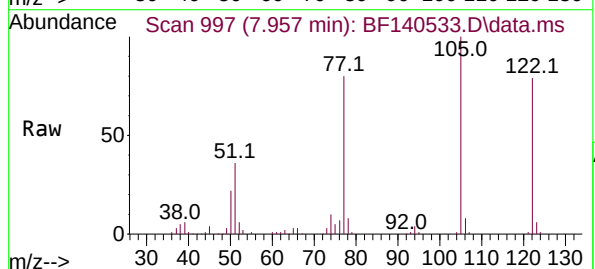
Tgt Ion:122 Resp: 196545

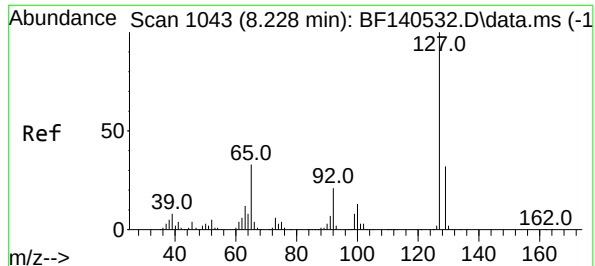
Ion Ratio Lower Upper

122 100

105 127.2 109.3 149.3

77 101.5 82.3 122.3



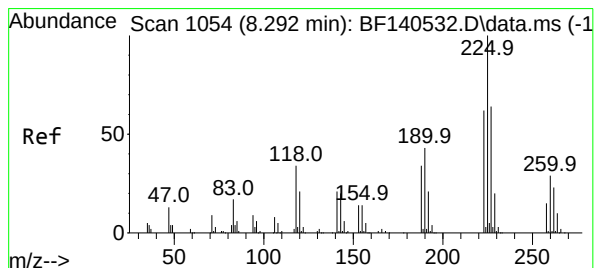
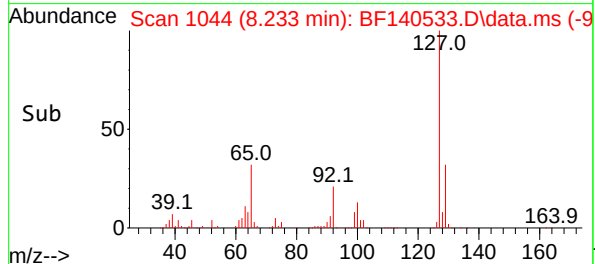
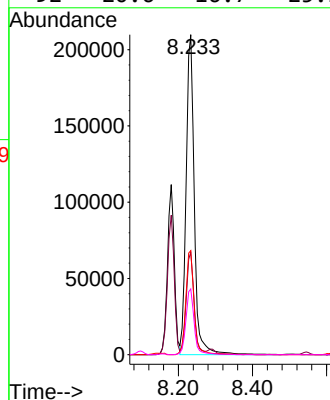
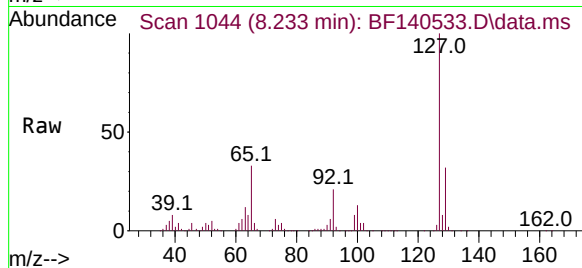


#33
4-Chloroaniline
Concen: 49.125 ng
RT: 8.233 min Scan# 1044
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 322212

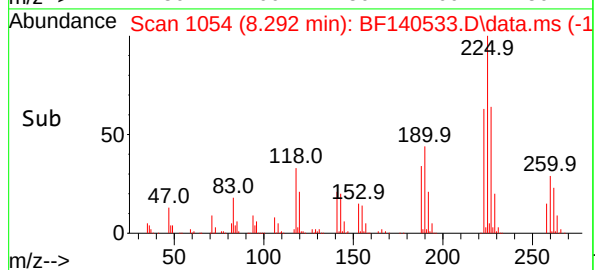
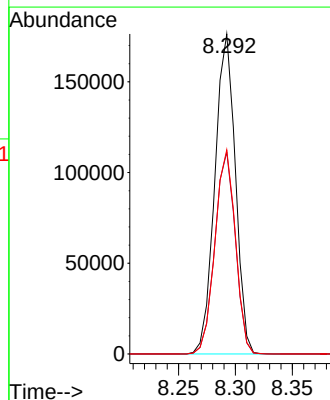
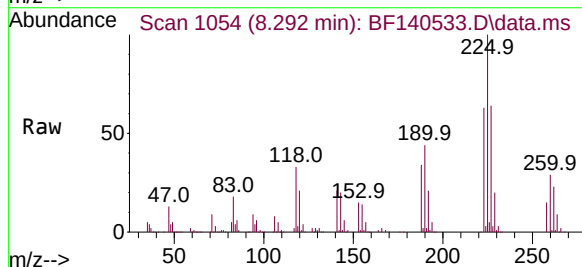
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	32.5	26.0	39.0
92	20.6	16.7	25.1

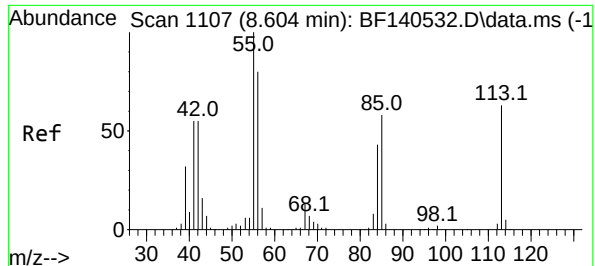


#34
Hexachlorobutadiene
Concen: 48.555 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:225 Resp: 221707

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	63.8	51.3	76.9

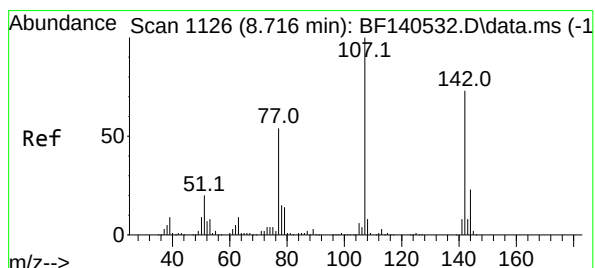
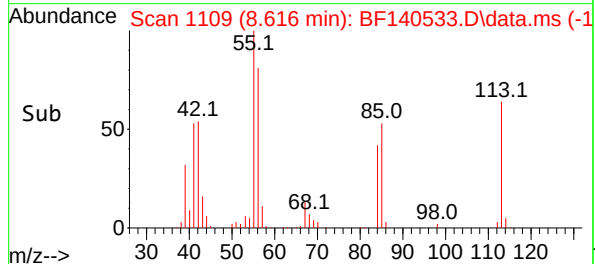
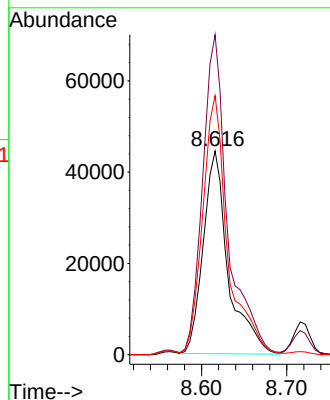
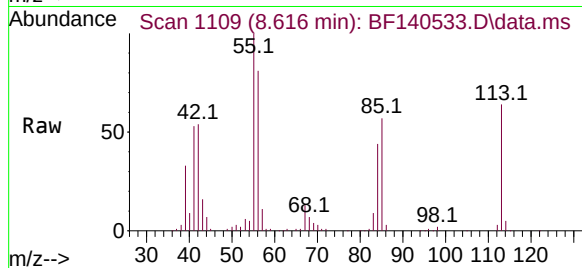




#35
 Caprolactam
 Concen: 48.486 ng
 RT: 8.616 min Scan# 1109
 Delta R.T. 0.012 min
 Lab File: BF140533.D
 Acq: 21 Nov 2024 13:25

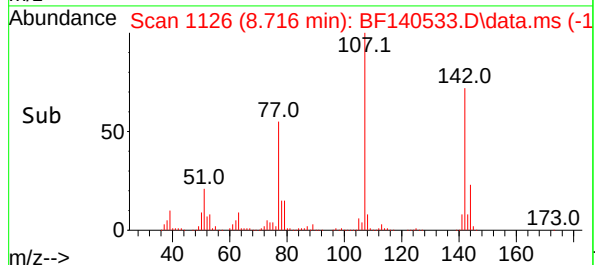
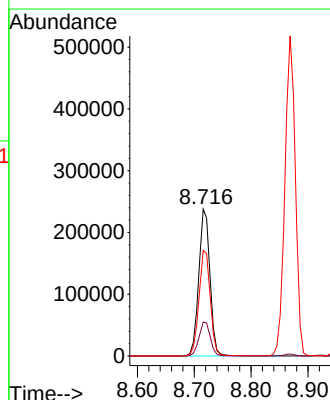
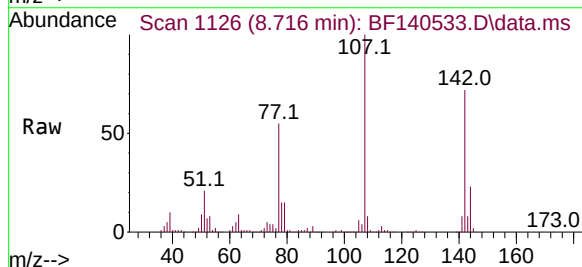
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

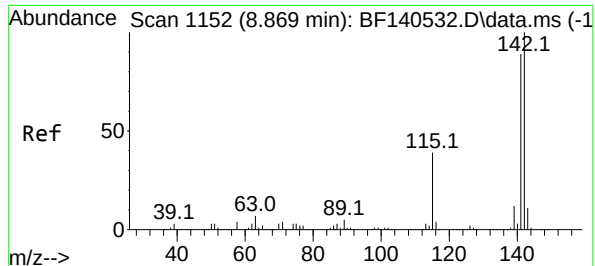
Tgt Ion:113 Resp: 90596
 Ion Ratio Lower Upper
 113 100
 55 157.2 137.7 177.7
 56 127.3 106.4 146.4



#36
 4-Chloro-3-methylphenol
 Concen: 48.287 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: BF140533.D
 Acq: 21 Nov 2024 13:25

Tgt Ion:107 Resp: 326418
 Ion Ratio Lower Upper
 107 100
 144 23.1 18.7 28.1
 142 71.8 58.3 87.5

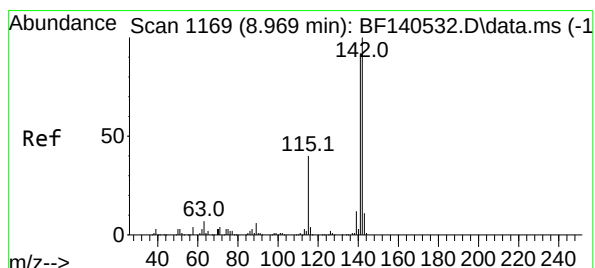
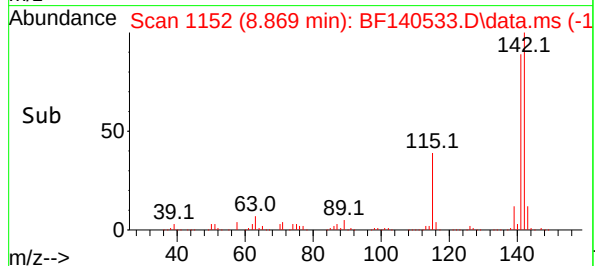
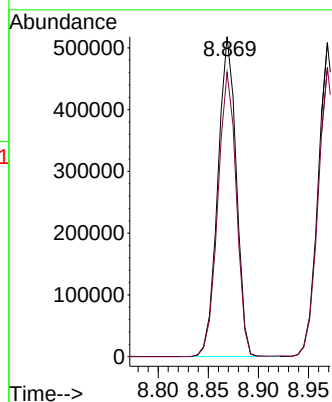
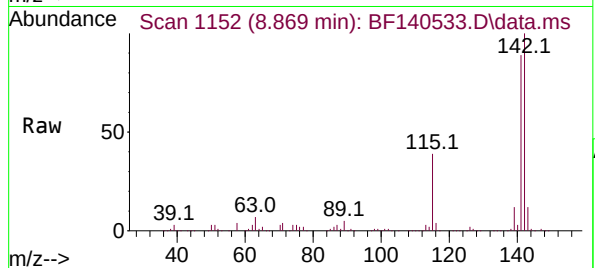




#37
2-Methylnaphthalene
Concen: 47.620 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

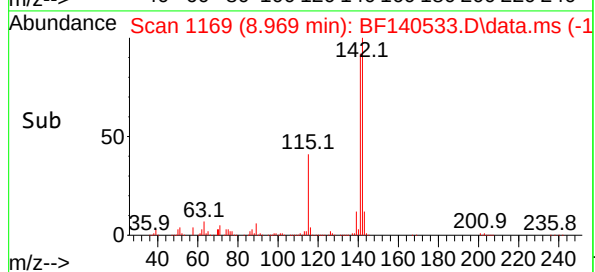
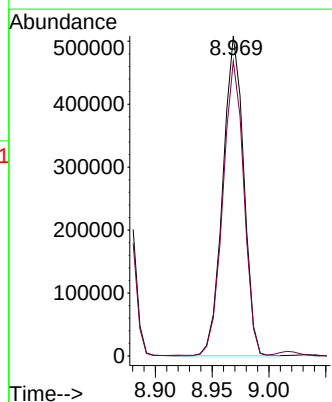
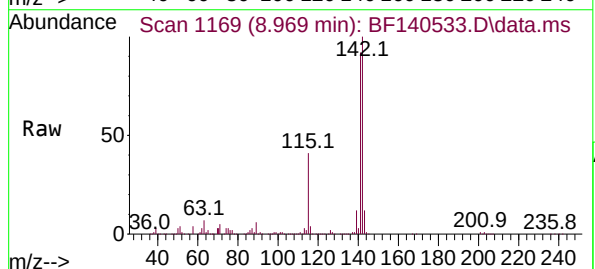
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

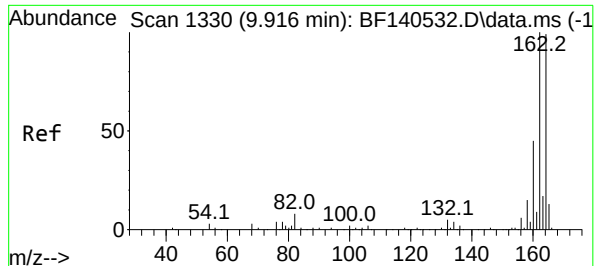
Tgt Ion:142 Resp: 662592
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.6



#38
1-Methylnaphthalene
Concen: 47.603 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:142 Resp: 649248
Ion Ratio Lower Upper
142 100
141 92.1 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

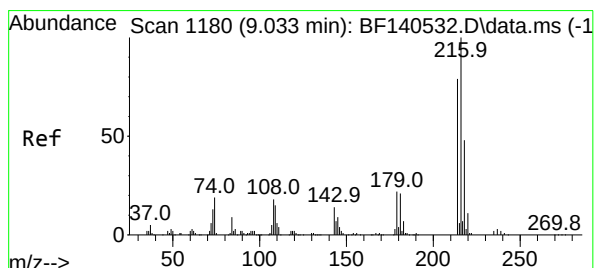
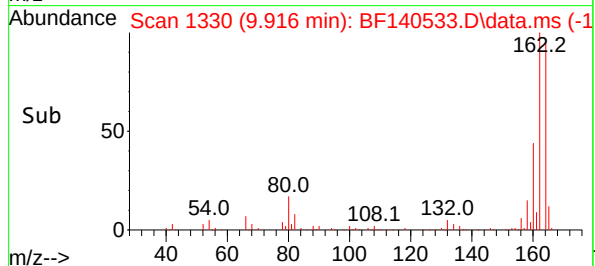
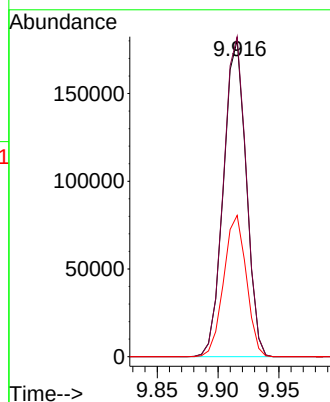
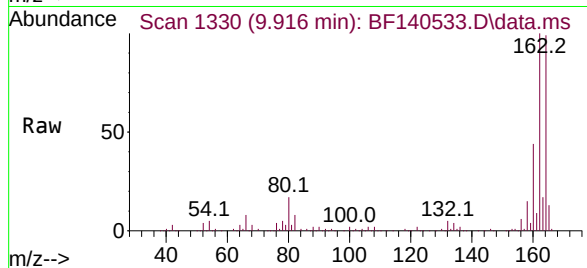
Tgt Ion:164 Resp: 233869

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

160 44.7 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.935 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Tgt Ion:216 Resp: 328190

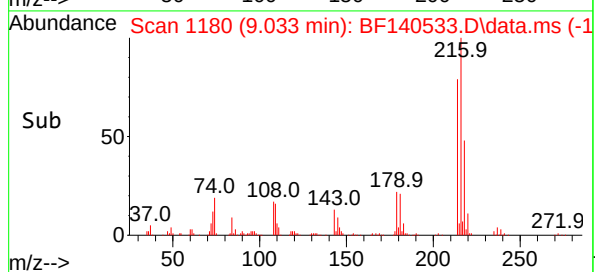
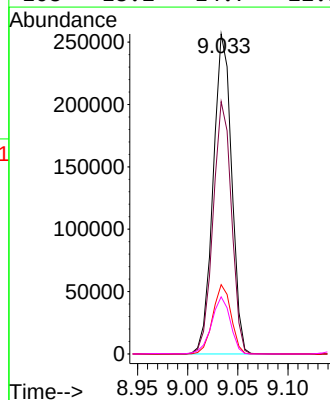
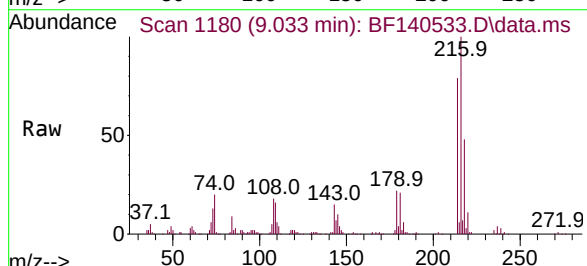
Ion Ratio Lower Upper

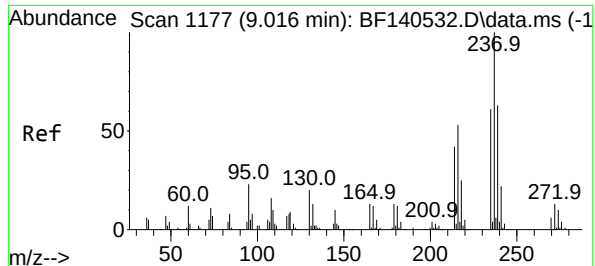
216 100

214 78.4 63.0 94.4

179 21.4 17.5 26.3

108 18.2 14.7 22.1

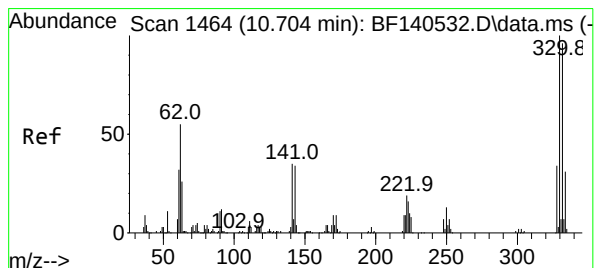
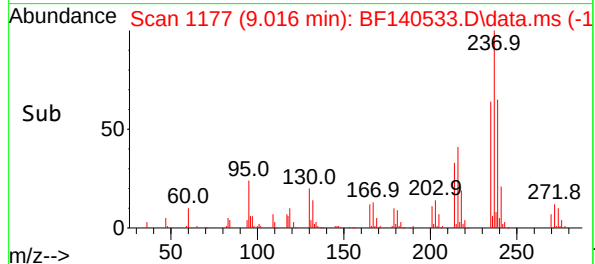
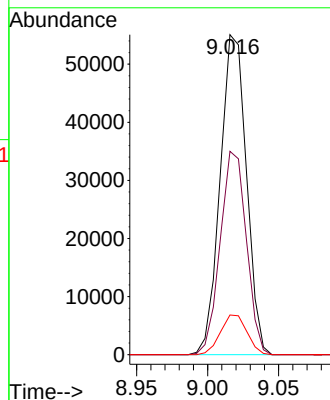
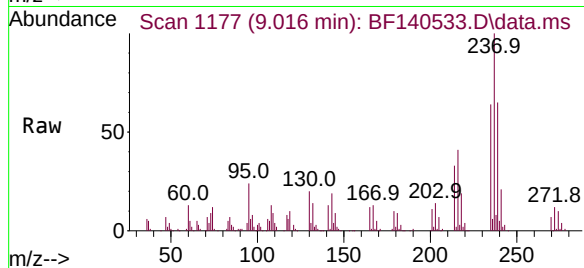




#41
Hexachlorocyclopentadiene
Concen: 49.123 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

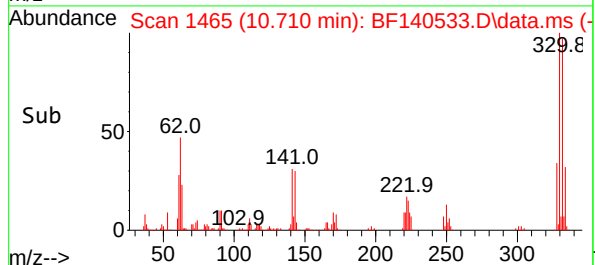
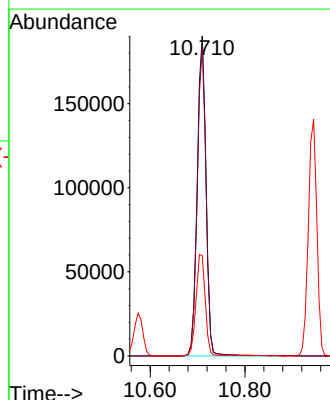
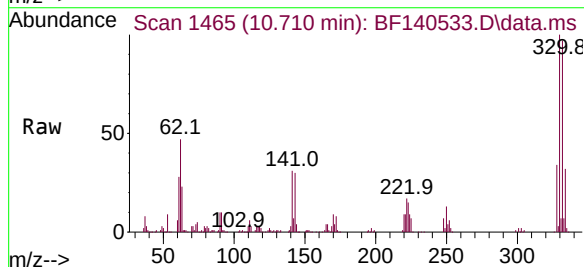
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

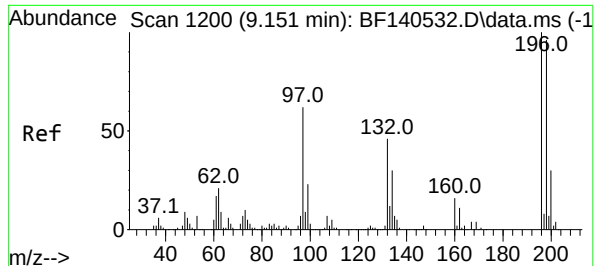
Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.1	81.1
272	12.4	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 98.015 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	33.3	26.7	40.1





#43

2,4,6-Trichlorophenol

Concen: 49.574 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

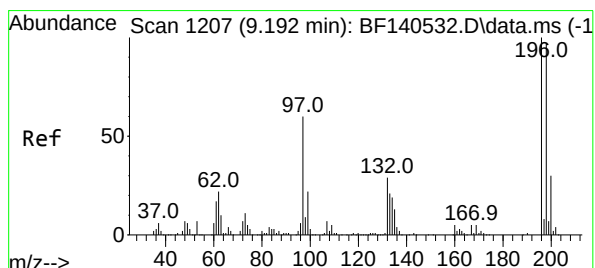
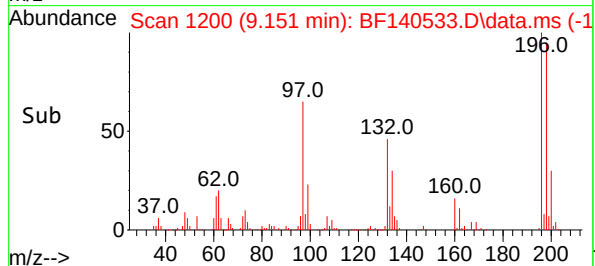
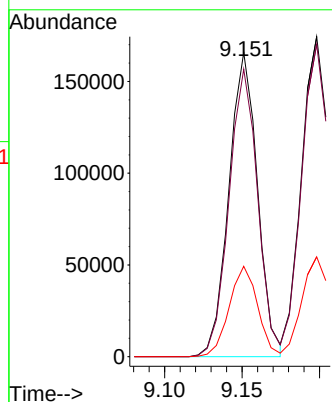
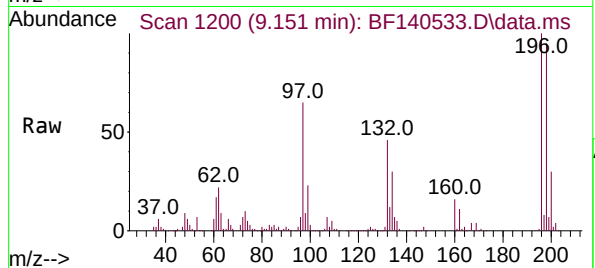
Tgt Ion:196 Resp: 212974

Ion Ratio Lower Upper

196 100

198 94.5 76.8 115.2

200 29.7 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 48.866 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Tgt Ion:196 Resp: 227840

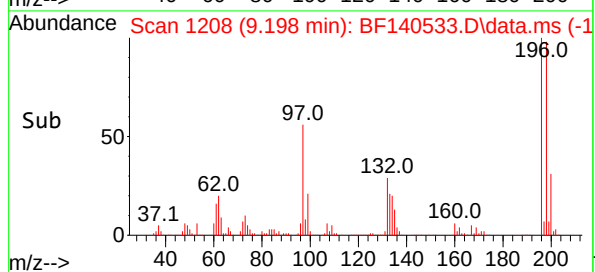
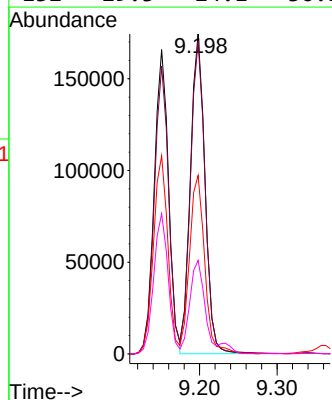
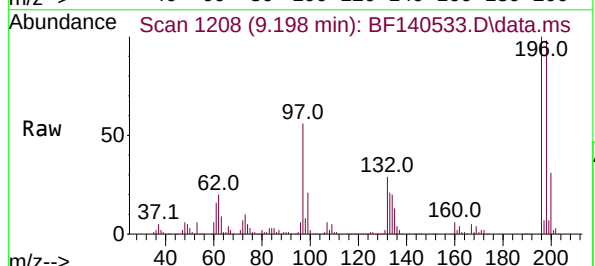
Ion Ratio Lower Upper

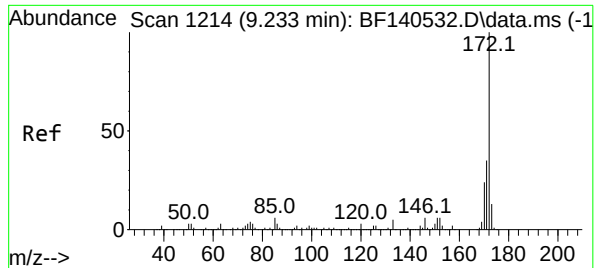
196 100

198 97.7 77.2 115.8

97 55.8 47.1 70.7

132 29.3 24.1 36.1

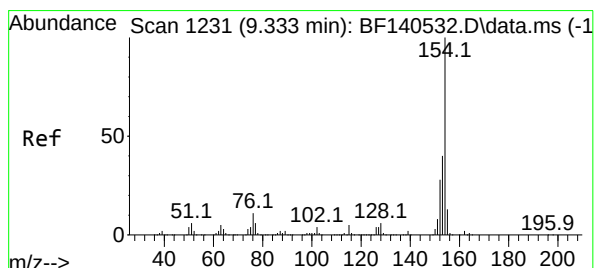
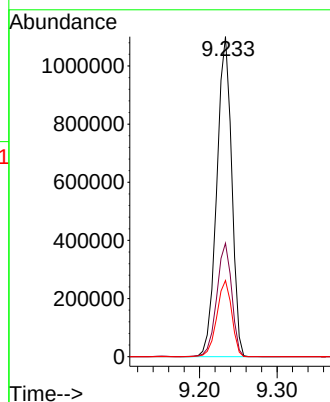
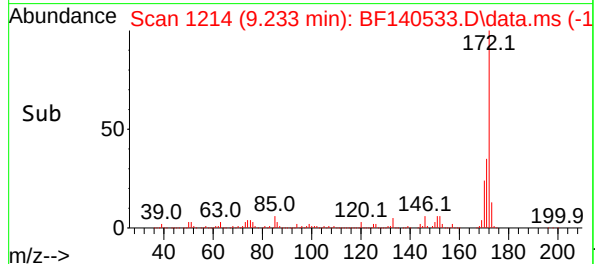
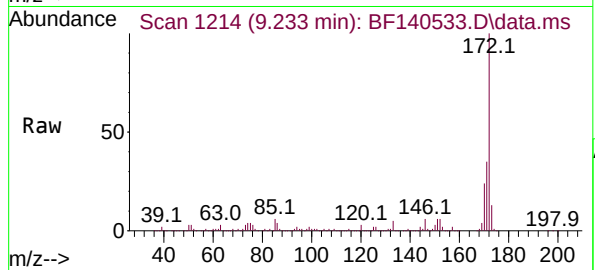




#45
2-Fluorobiphenyl
Concen: 93.462 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

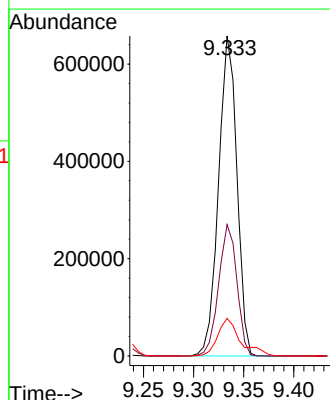
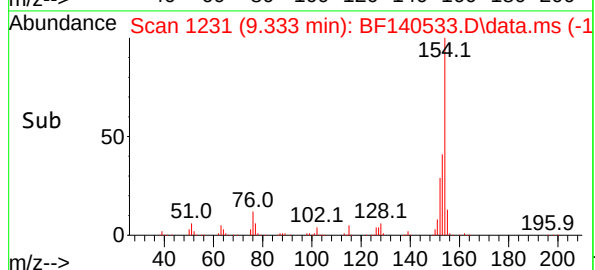
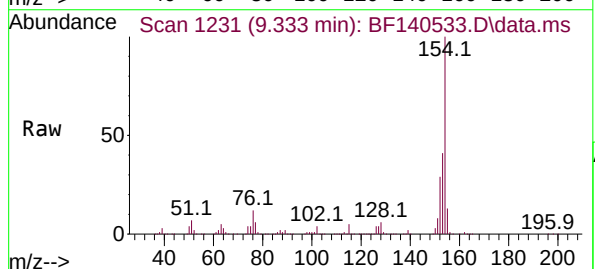
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

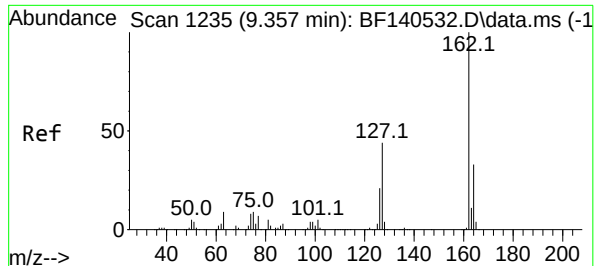
Tgt Ion:172 Resp: 1467020
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.8 19.0 28.6



#46
1,1'-Biphenyl
Concen: 47.772 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:154 Resp: 834139
Ion Ratio Lower Upper
154 100
153 41.1 20.4 60.4
76 11.7 0.0 31.2





#47

2-Chloronaphthalene

Concen: 47.803 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

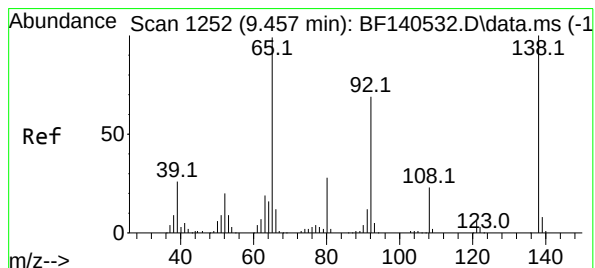
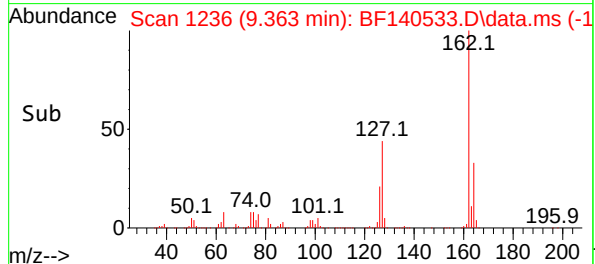
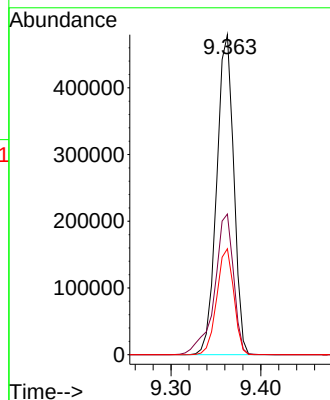
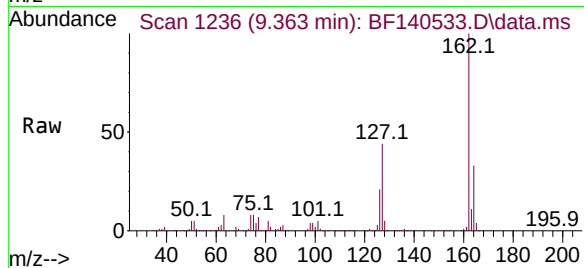
Tgt Ion:162 Resp: 632459

Ion Ratio Lower Upper

162 100

127 44.0 35.7 53.5

164 33.1 26.1 39.1



#48

2-Nitroaniline

Concen: 50.020 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

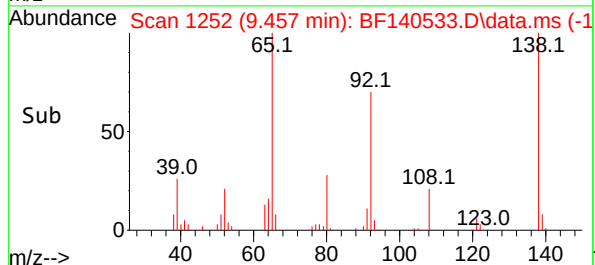
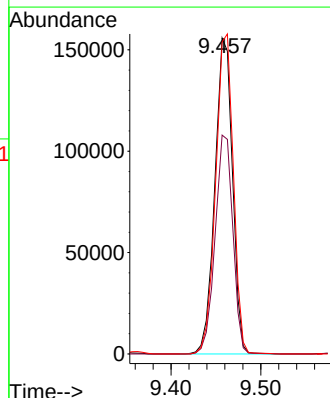
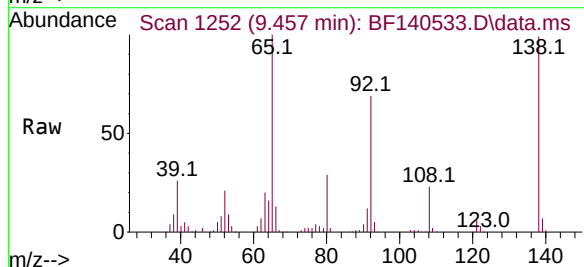
Tgt Ion: 65 Resp: 212420

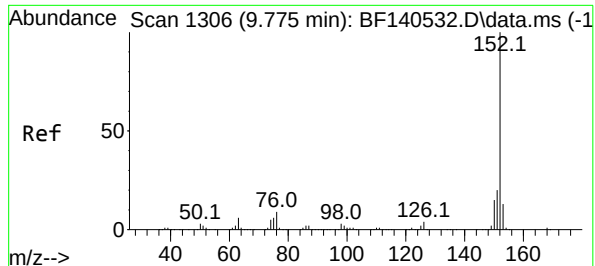
Ion Ratio Lower Upper

65 100

92 69.3 56.1 84.1

138 98.8 81.0 121.6





#49

Acenaphthylene

Concen: 47.612 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

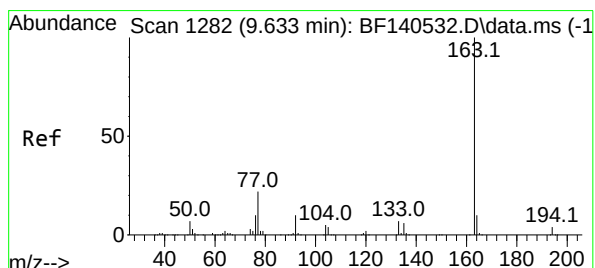
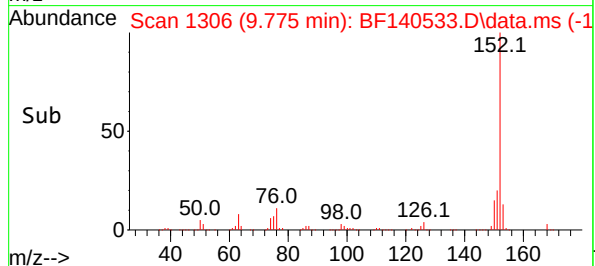
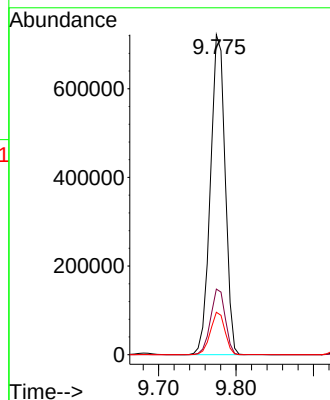
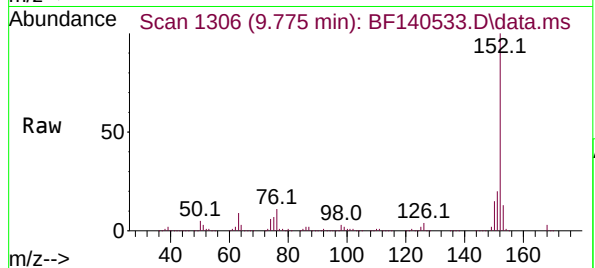
Tgt Ion:152 Resp: 951784

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 48.081 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

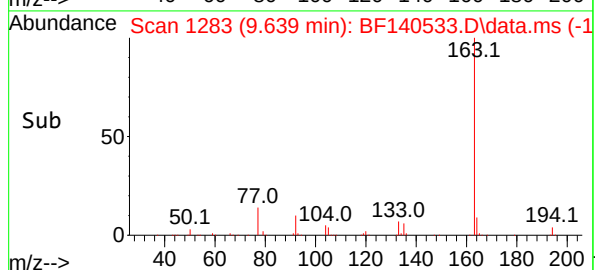
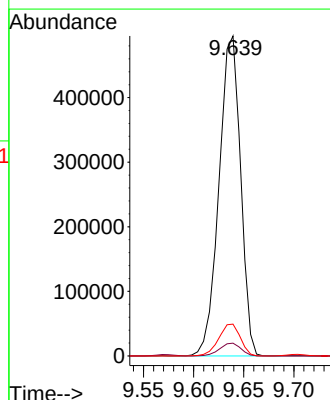
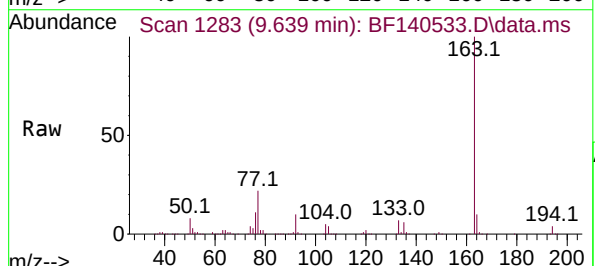
Tgt Ion:163 Resp: 740559

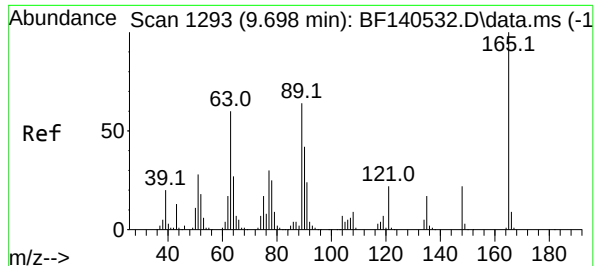
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 48.663 ng

RT: 9.704 min Scan# 1293

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

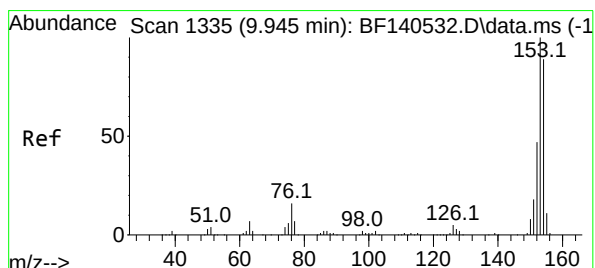
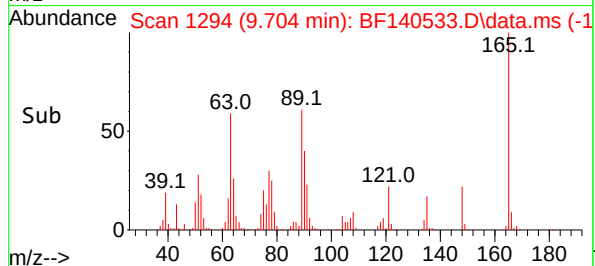
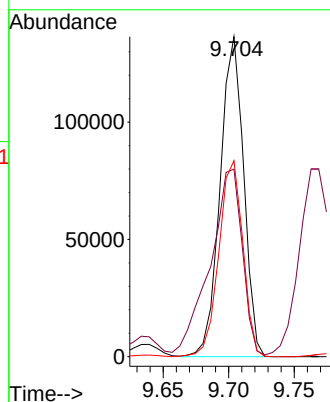
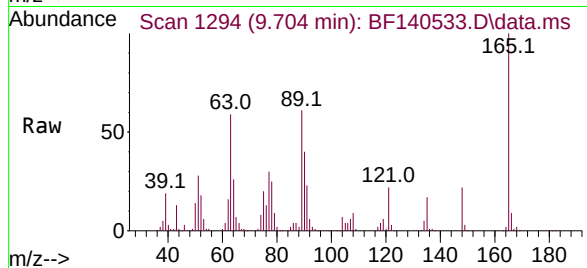
Tgt Ion:165 Resp: 169989

Ion Ratio Lower Upper

165 100

63 58.6 49.9 74.9

89 61.2 50.9 76.3



#52

Acenaphthene

Concen: 47.524 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

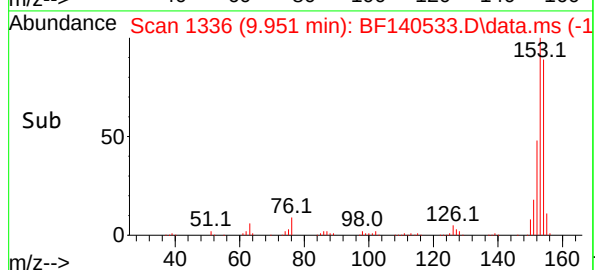
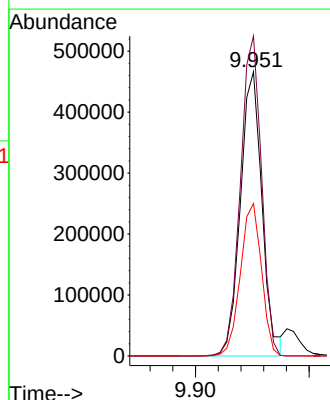
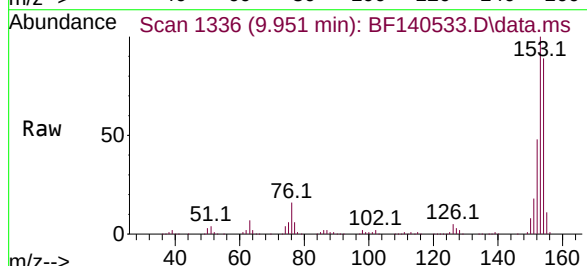
Tgt Ion:154 Resp: 615149

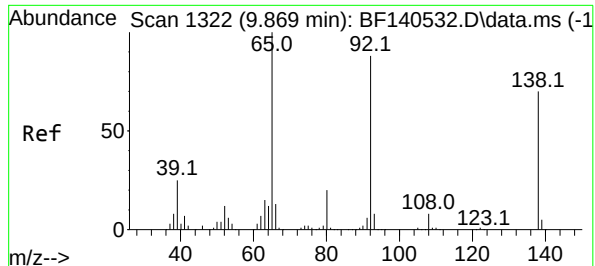
Ion Ratio Lower Upper

154 100

153 112.6 89.7 134.5

152 53.7 42.5 63.7

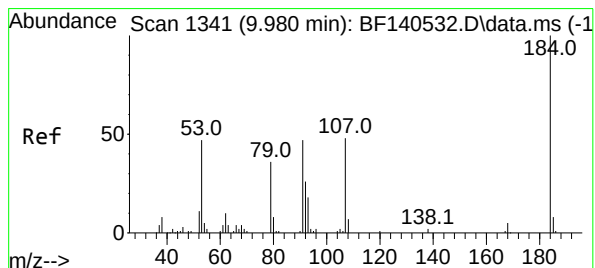
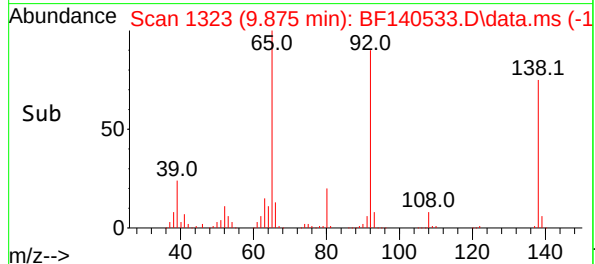
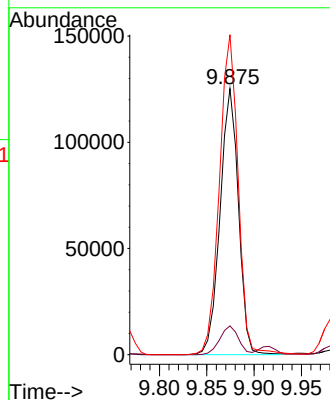
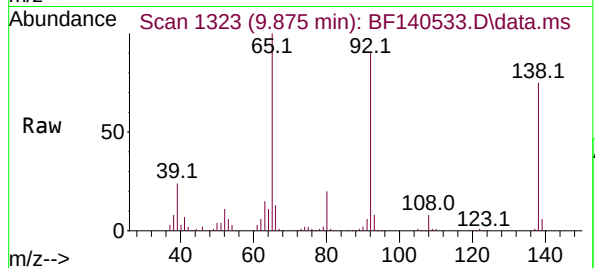




#53
3-Nitroaniline
Concen: 49.534 ng
RT: 9.875 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

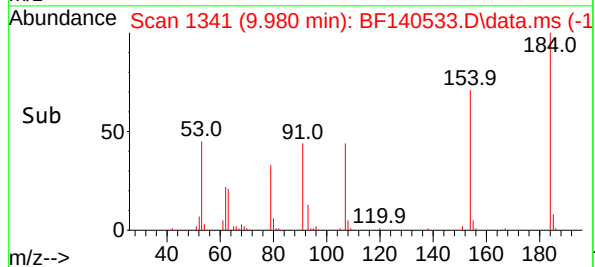
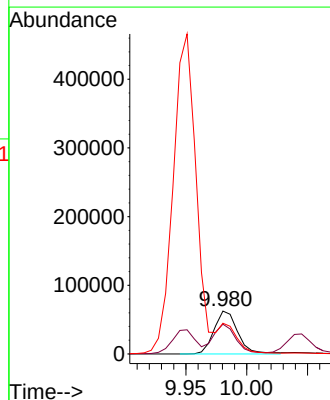
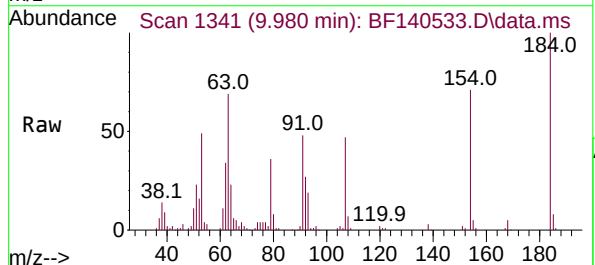
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

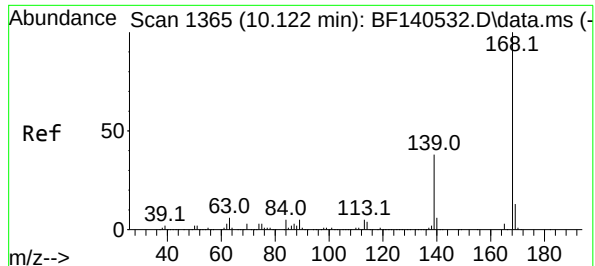
Tgt Ion:138 Resp: 169234
Ion Ratio Lower Upper
138 100
108 10.9 9.2 13.8
92 120.3 100.6 150.8



#54
2,4-Dinitrophenol
Concen: 50.205 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:184 Resp: 84985
Ion Ratio Lower Upper
184 100
63 69.4 54.1 81.1
154 71.4 57.4 86.0





#55

Dibenzenofuran

Concen: 47.061 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

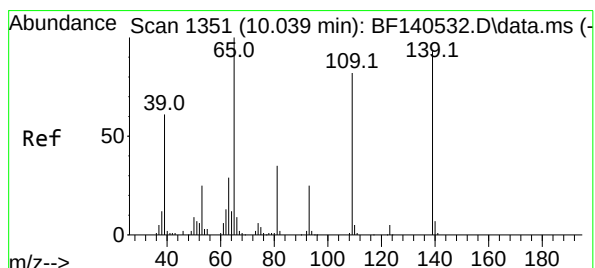
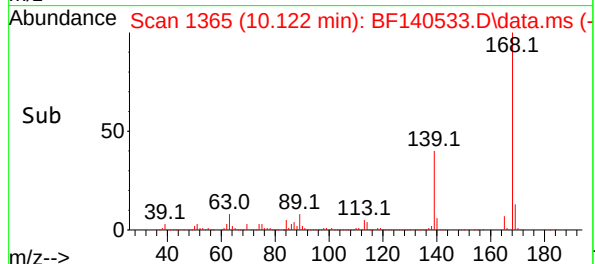
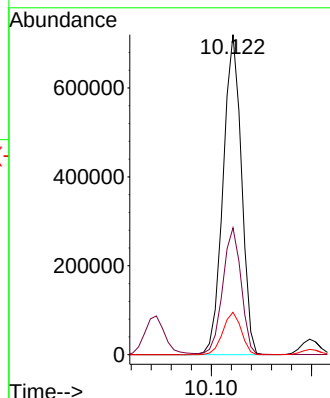
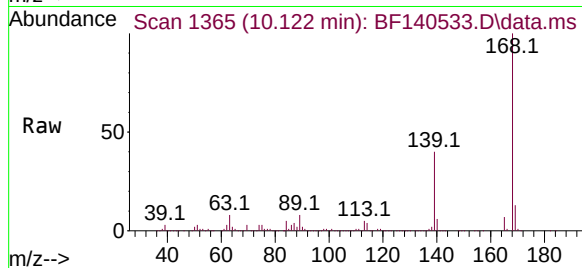
Tgt Ion:168 Resp: 911771

Ion Ratio Lower Upper

168 100

139 39.7 31.3 46.9

169 13.2 10.5 15.7



#56

4-Nitrophenol

Concen: 53.227 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

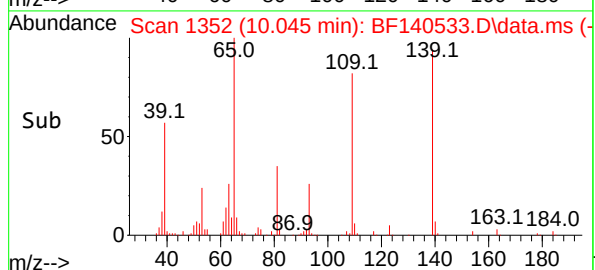
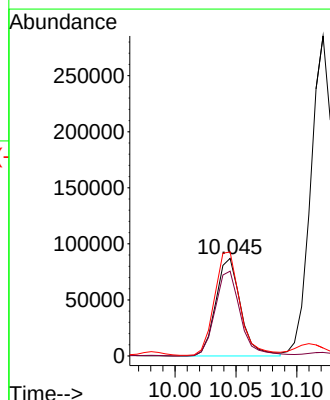
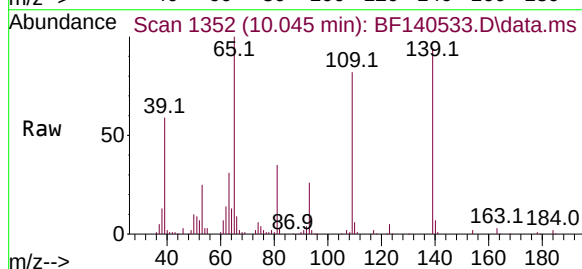
Tgt Ion:139 Resp: 124021

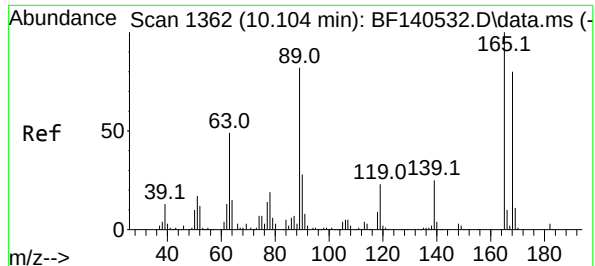
Ion Ratio Lower Upper

139 100

109 87.0 68.4 108.4

65 106.5 88.6 128.6

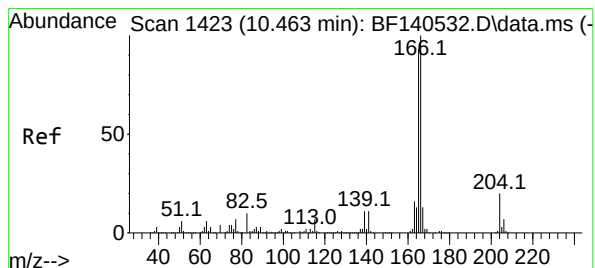
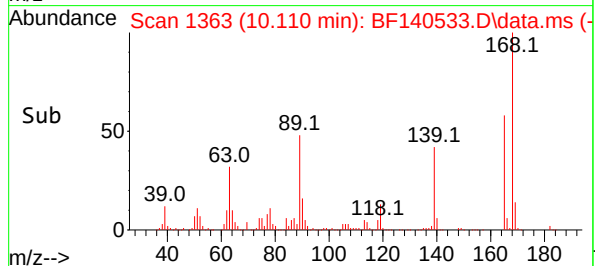
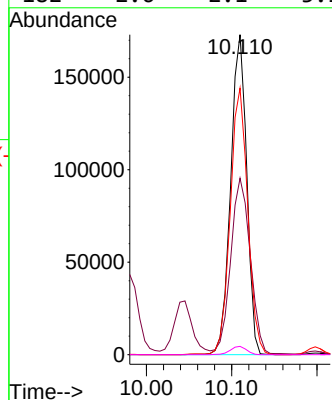
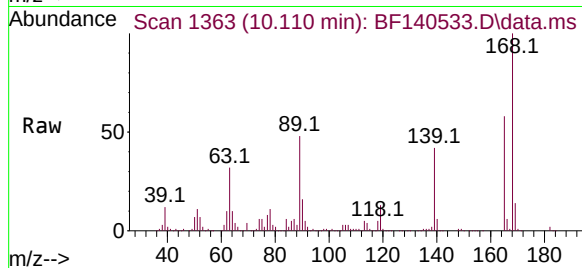




#57
2,4-Dinitrotoluene
Concen: 48.629 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

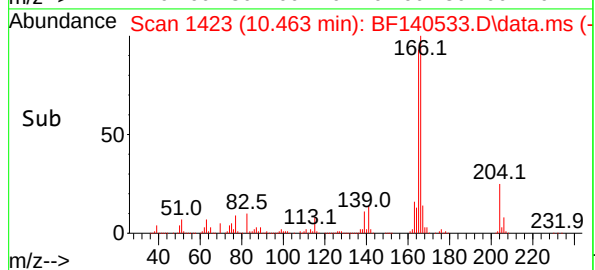
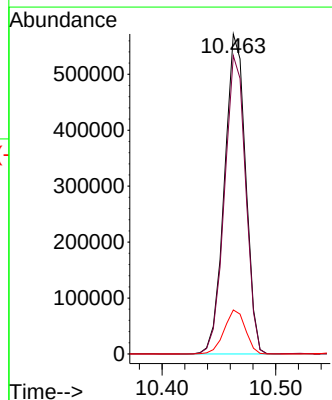
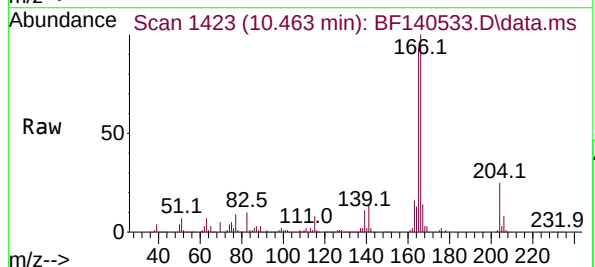
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

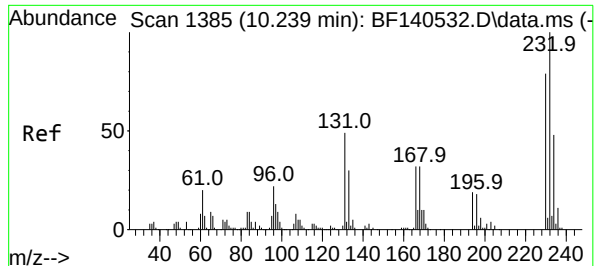
Tgt Ion:165 Resp: 225762
Ion Ratio Lower Upper
165 100
63 55.2 41.7 62.5
89 83.3 65.8 98.8
182 2.6 2.1 3.1



#58
Fluorene
Concen: 47.486 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:166 Resp: 738453
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.8 10.6 16.0

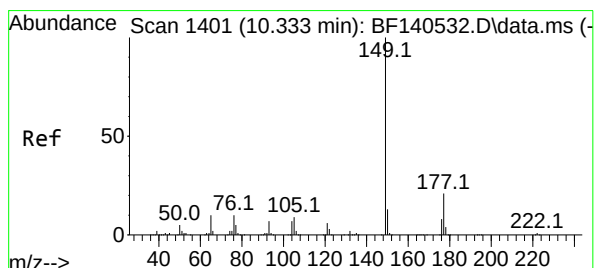
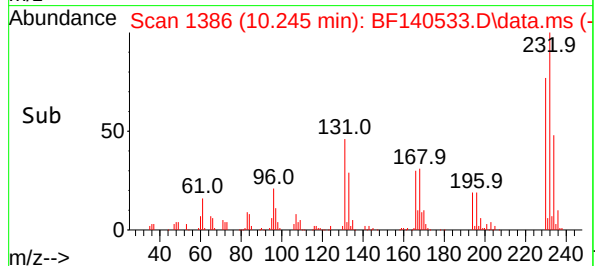
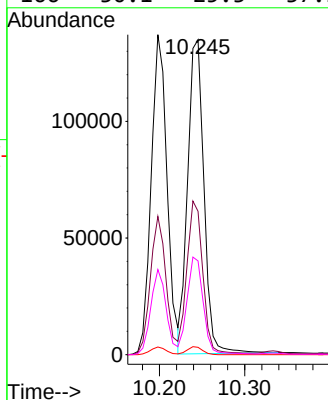
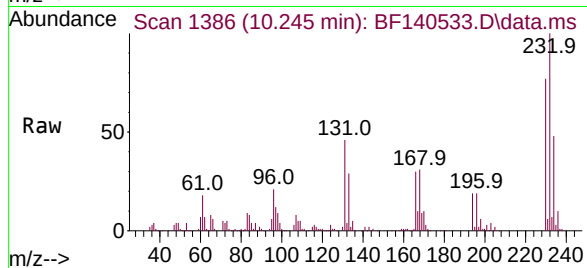




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.828 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

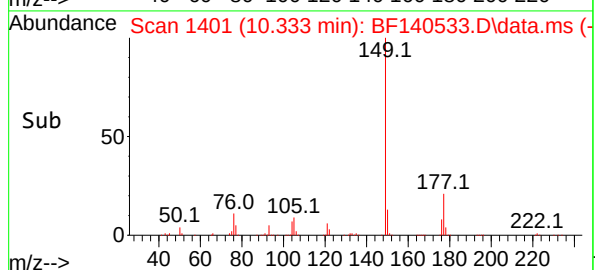
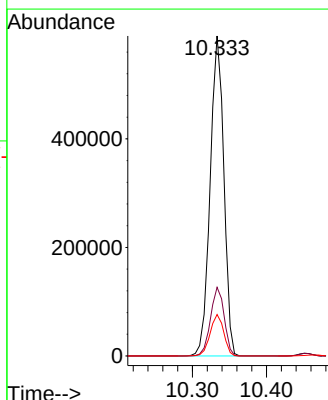
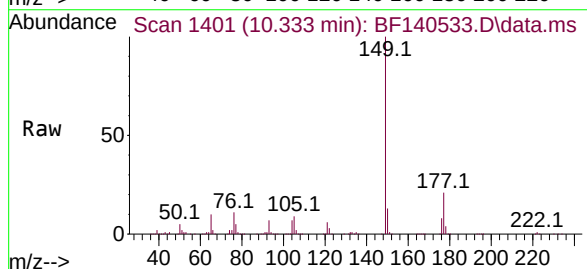
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

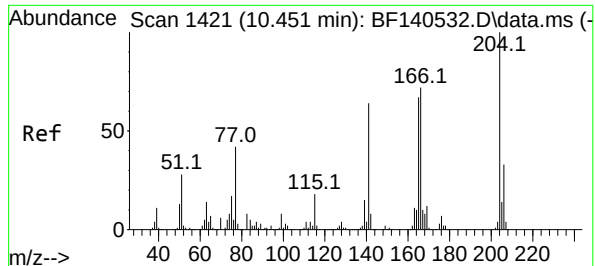
Tgt Ion:232 Resp: 178549
Ion Ratio Lower Upper
232 100
131 47.7 39.6 59.4
130 2.4 1.9 2.9
166 30.1 25.3 37.9



#60
Diethylphthalate
Concen: 48.268 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:149 Resp: 755358
Ion Ratio Lower Upper
149 100
177 21.5 17.1 25.7
150 12.9 10.1 15.1

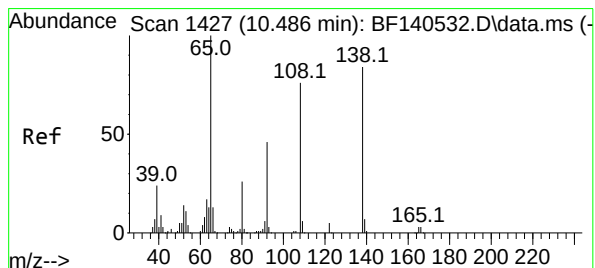
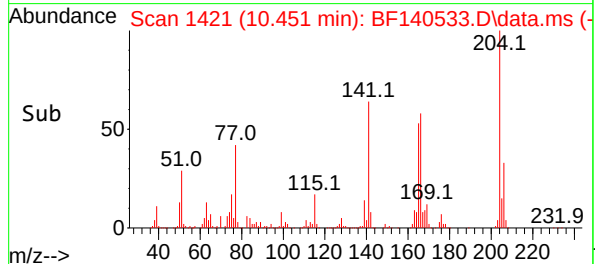
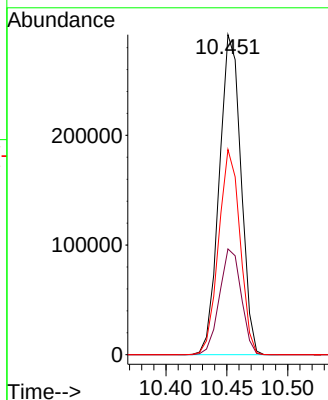
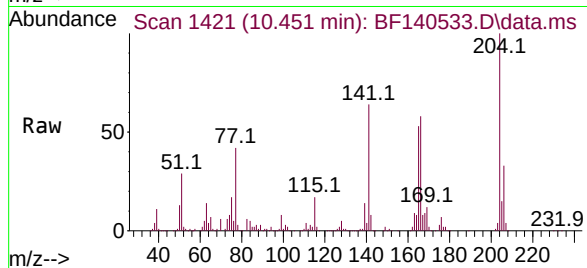




#61
4-Chlorophenyl-phenylether
Concen: 47.414 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

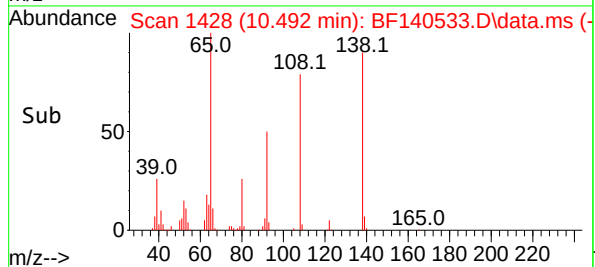
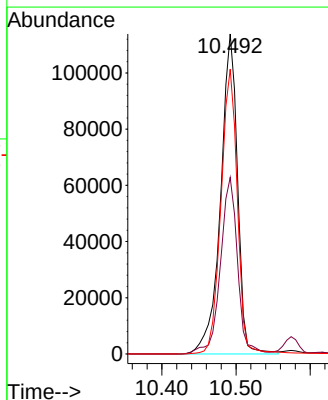
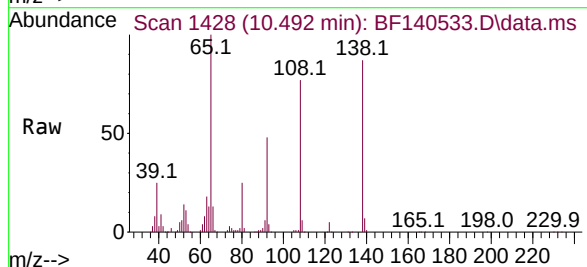
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

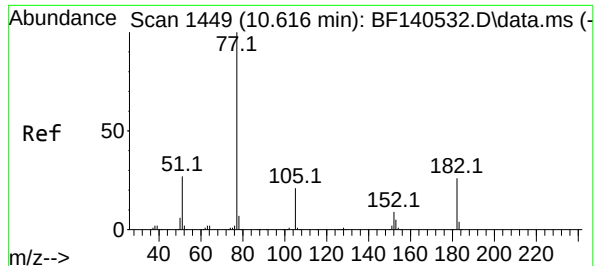
Tgt Ion:204 Resp: 361856
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 64.1 51.1 76.7



#62
4-Nitroaniline
Concen: 50.512 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:138 Resp: 180999
Ion Ratio Lower Upper
138 100
92 55.2 34.5 74.5
108 89.0 70.6 110.6

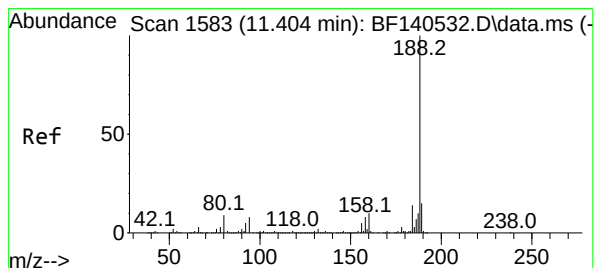
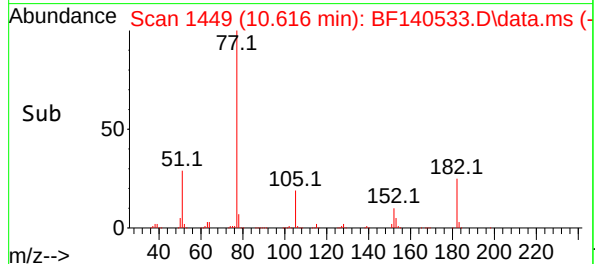
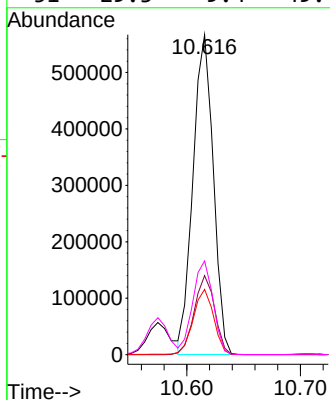
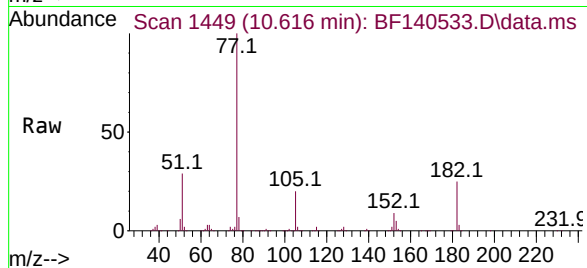




#63
Azobenzene
Concen: 47.529 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

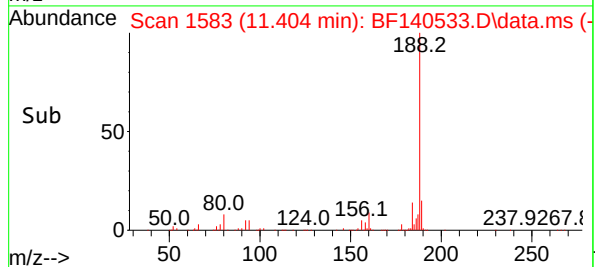
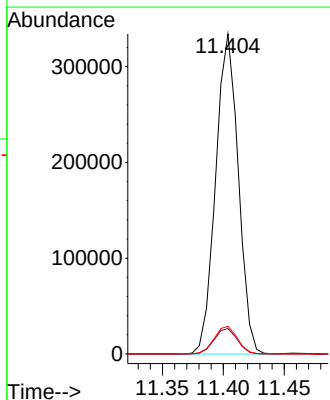
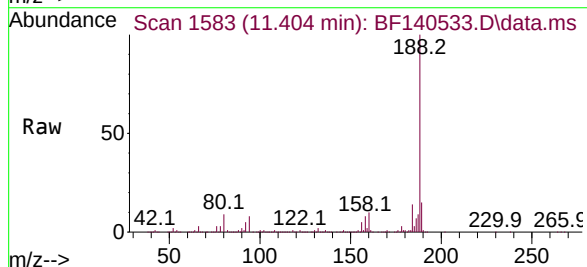
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

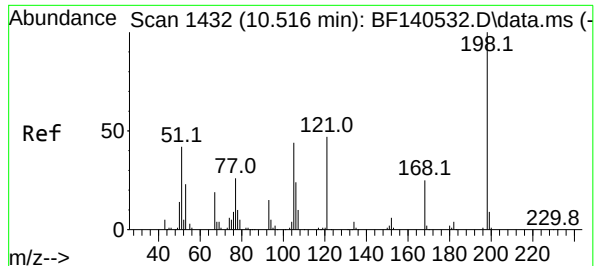
Tgt Ion:	77	Resp:	704370
Ion	Ratio	Lower	Upper
77	100		
182	24.7	5.3	45.3
105	20.4	0.3	40.3
51	29.3	9.4	49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:	188	Resp:	432727
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.4	9.6
80	8.7	6.9	10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 53.947 ng

RT: 10.522 min Scan# 1432

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

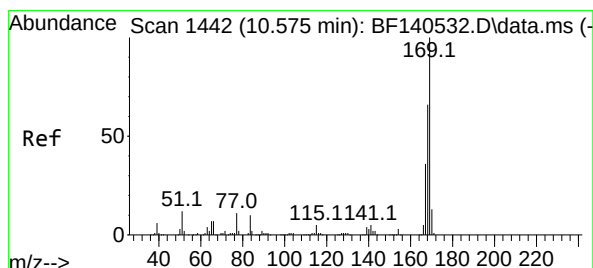
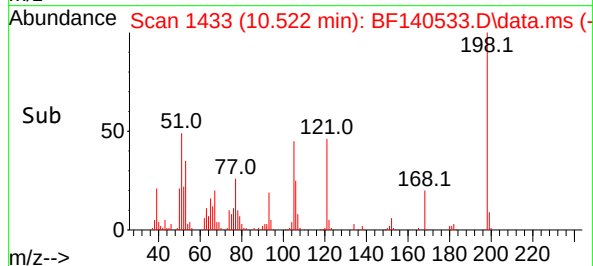
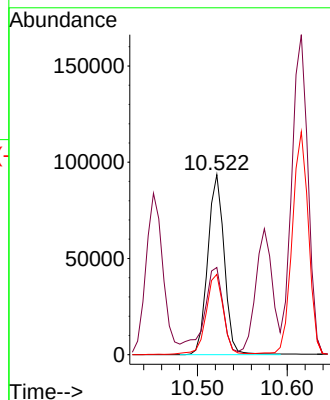
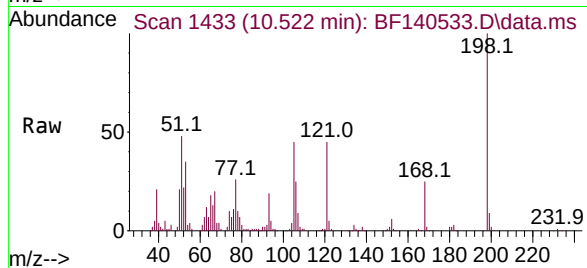
Tgt Ion:198 Resp: 119290

Ion Ratio Lower Upper

198 100

51 48.5 29.4 69.4

105 44.6 25.4 65.4



#66

n-Nitrosodiphenylamine

Concen: 48.740 ng

RT: 10.574 min Scan# 1442

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

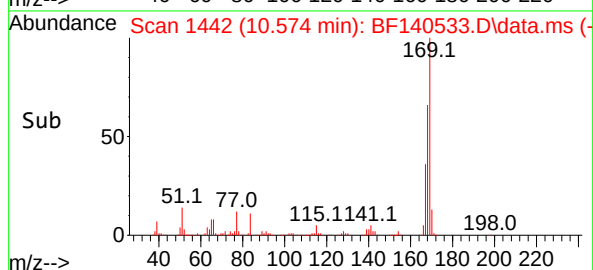
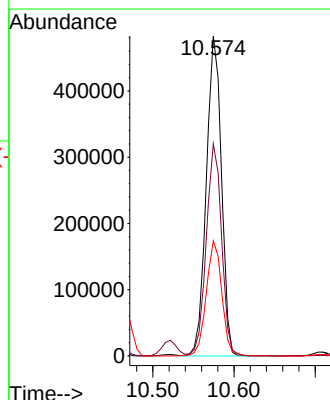
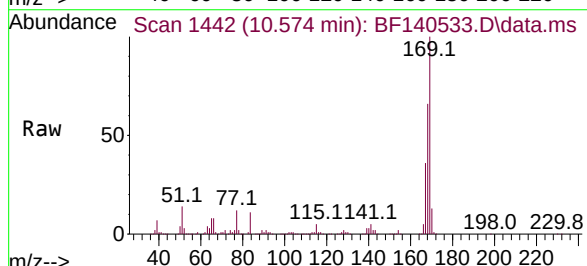
Tgt Ion:169 Resp: 623715

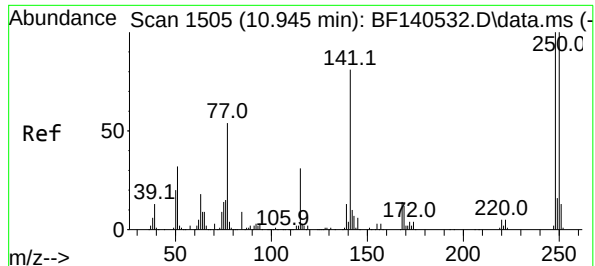
Ion Ratio Lower Upper

169 100

168 66.3 53.2 79.8

167 36.0 29.0 43.6

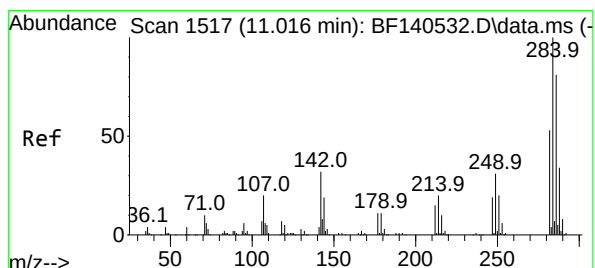
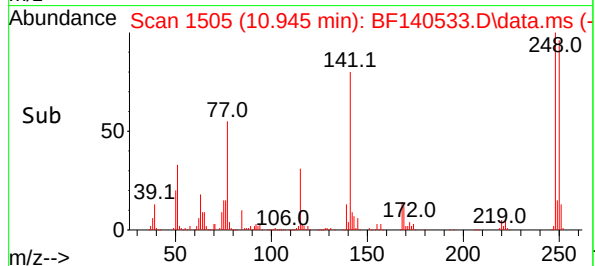
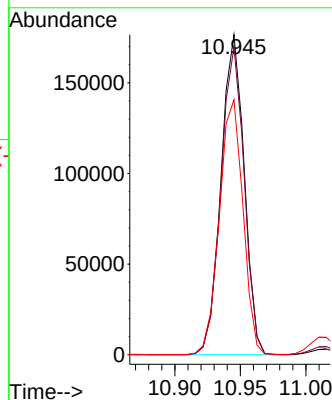
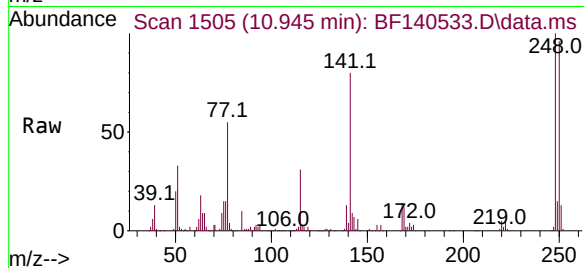




#67
4-Bromophenyl-phenylether
Concen: 48.587 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

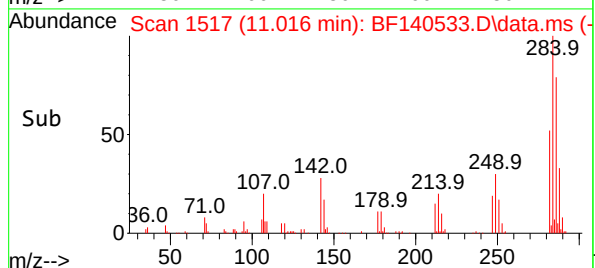
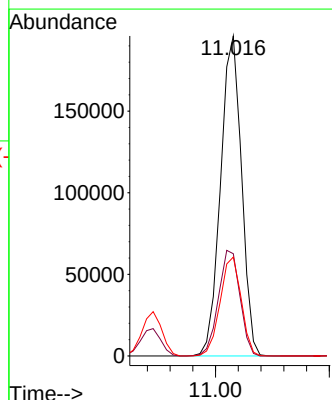
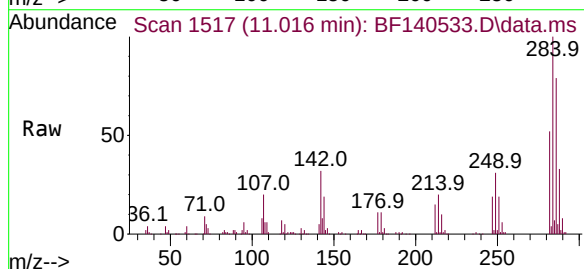
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

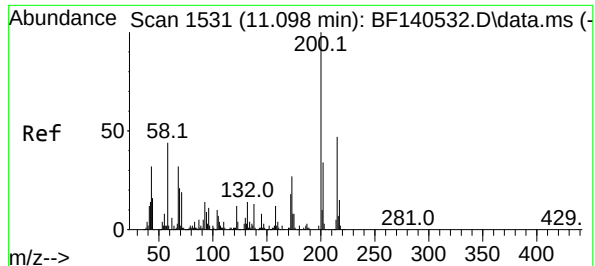
Tgt Ion:248 Resp: 216523
Ion Ratio Lower Upper
248 100
250 96.1 79.8 119.8
141 79.7 64.7 97.1



#68
Hexachlorobenzene
Concen: 48.739 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:284 Resp: 251498
Ion Ratio Lower Upper
284 100
142 32.0 25.3 37.9
249 30.9 24.8 37.2

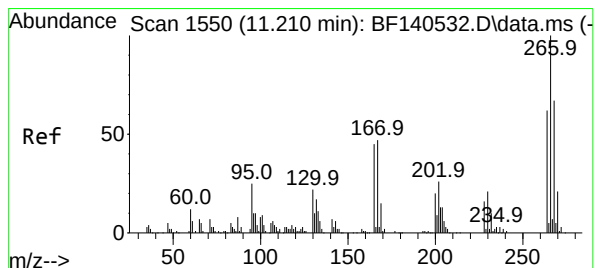
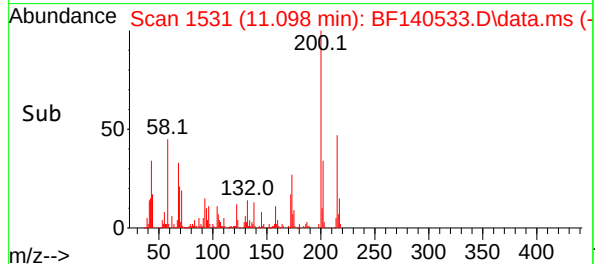
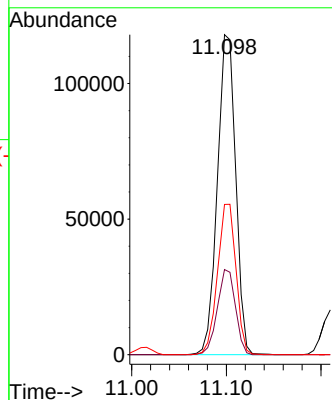
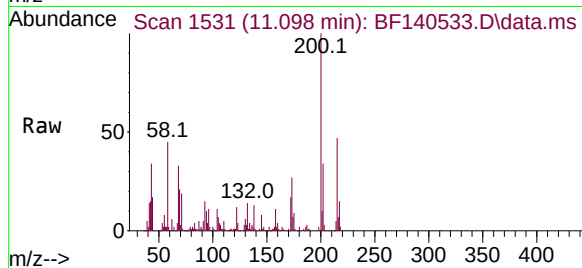




#69
Atrazine
Concen: 44.180 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

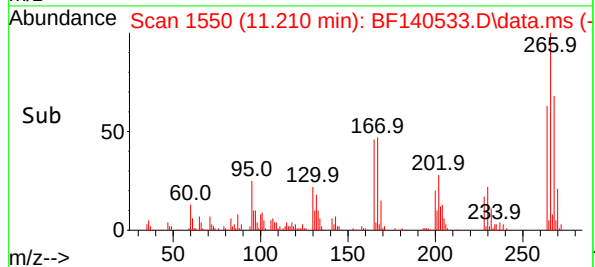
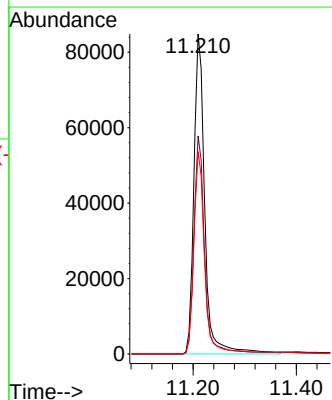
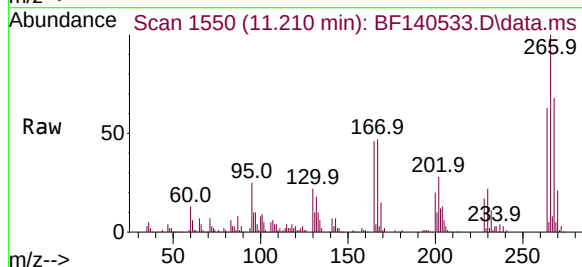
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

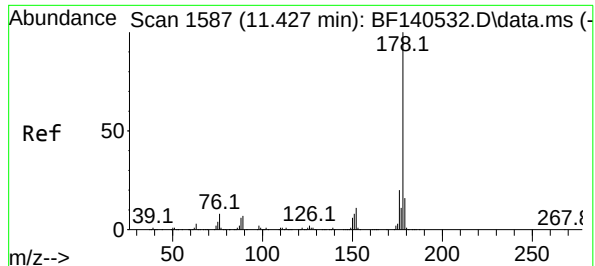
Tgt Ion:200 Resp: 159048
Ion Ratio Lower Upper
200 100
173 26.6 7.0 47.0
215 46.9 26.7 66.7



#70
Pentachlorophenol
Concen: 54.656 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:266 Resp: 124128
Ion Ratio Lower Upper
266 100
268 68.1 53.7 80.5
264 63.3 49.8 74.8

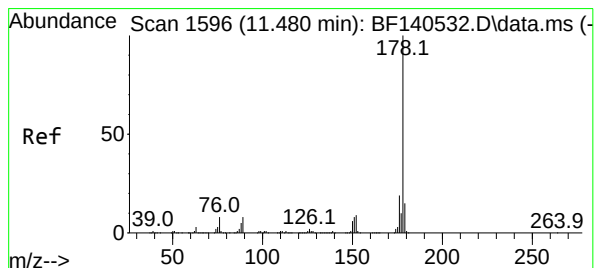
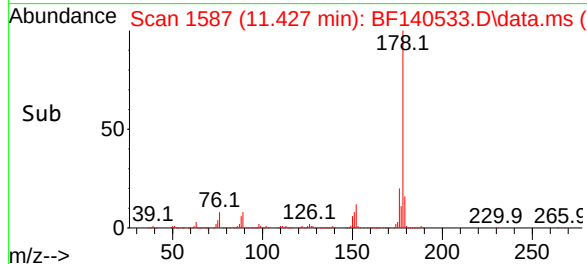
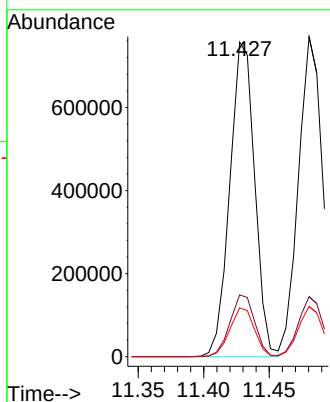
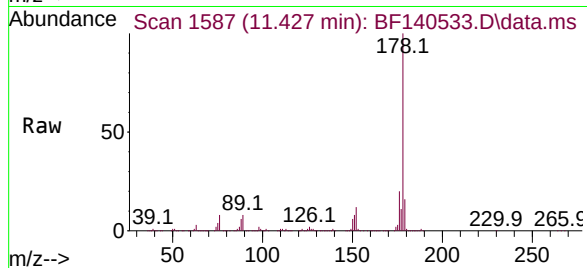




#71
Phenanthrene
Concen: 48.118 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

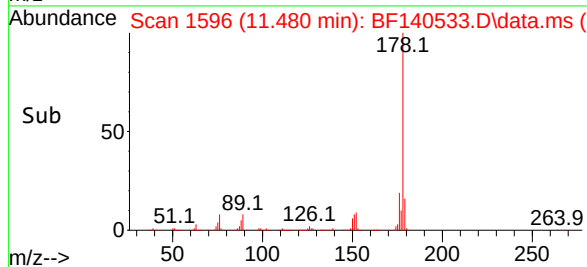
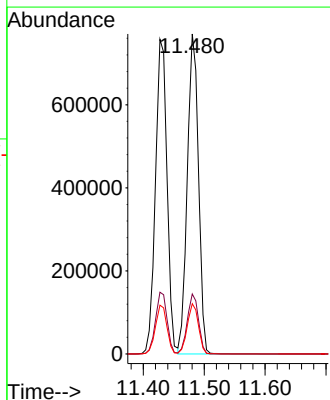
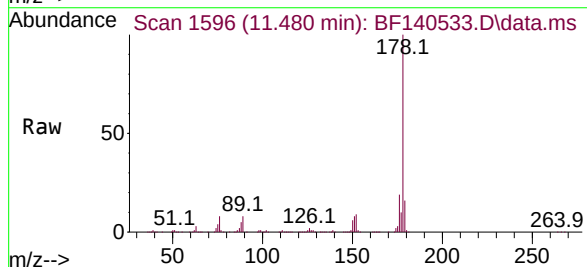
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

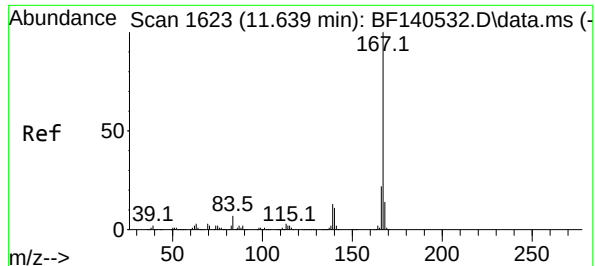
Tgt Ion:178 Resp: 1000897
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.5 12.4 18.6



#72
Anthracene
Concen: 48.111 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:178 Resp: 978923
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.7 12.2 18.4

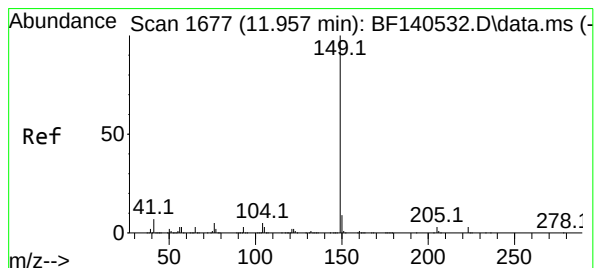
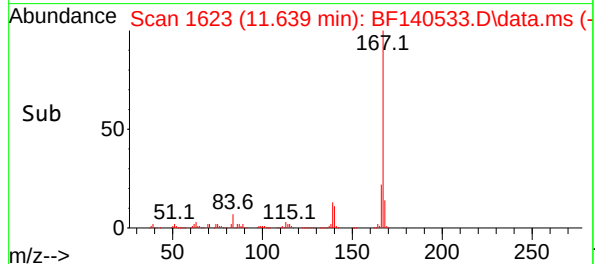
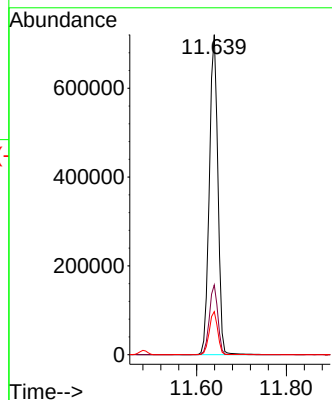
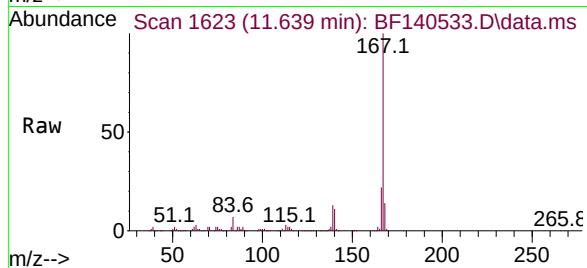




#73
Carbazole
Concen: 48.436 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

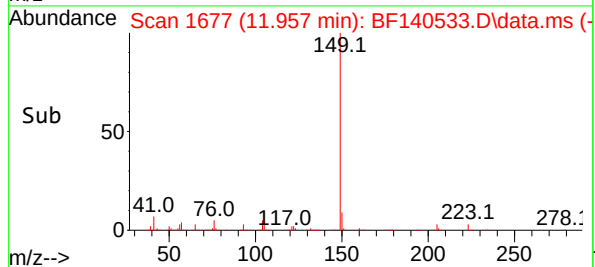
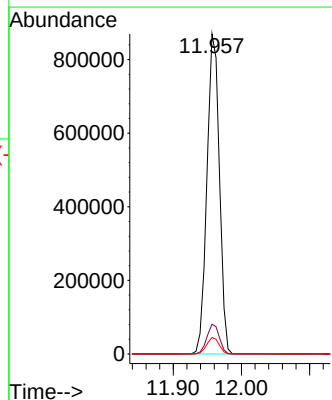
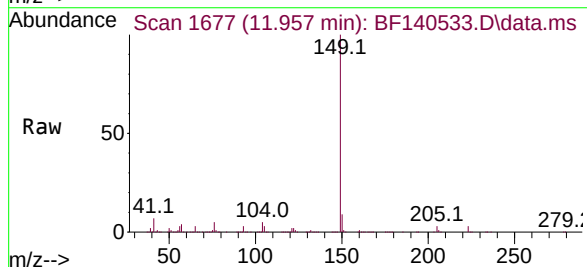
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

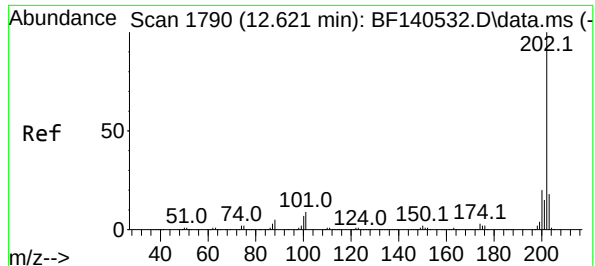
Tgt Ion:167 Resp: 948090
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 13.5 10.6 15.8



#74
Di-n-butylphthalate
Concen: 48.899 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:149 Resp: 1105032
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 5.2 4.1 6.1

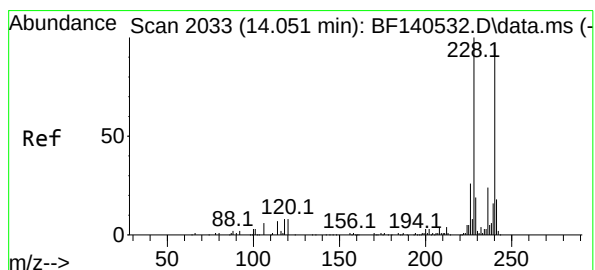
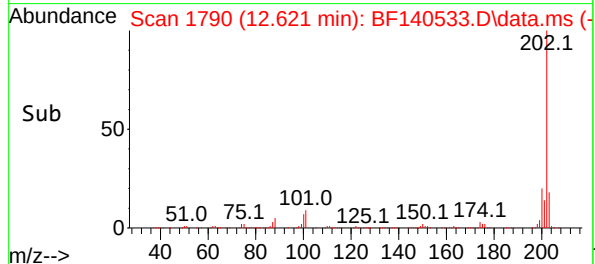
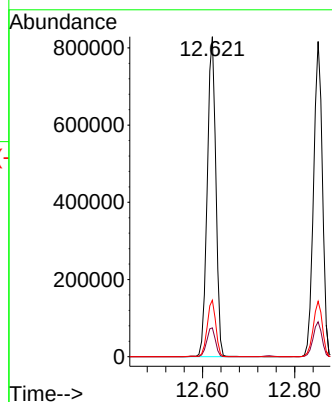
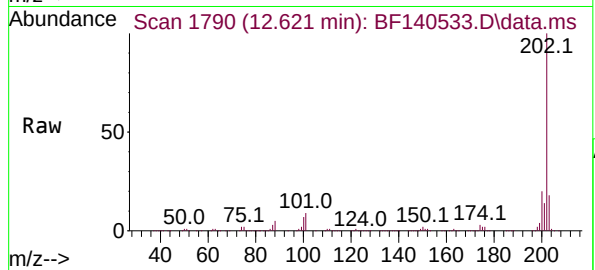




#75
Fluoranthene
Concen: 47.849 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

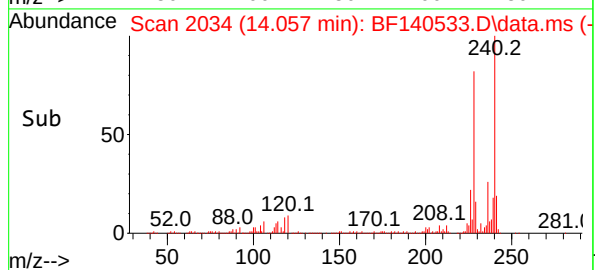
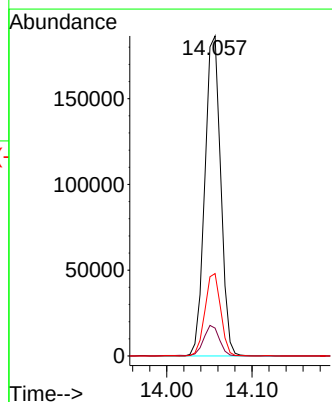
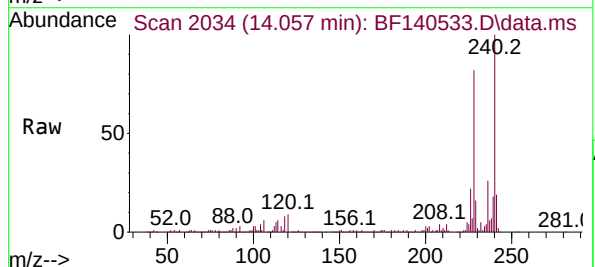
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

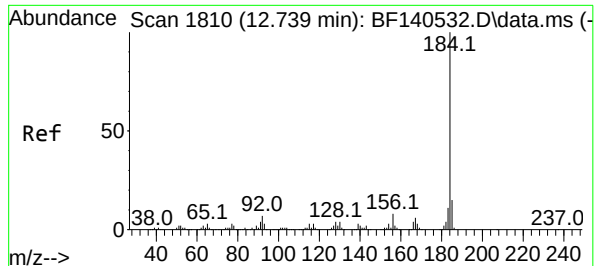
Tgt Ion:202 Resp: 1080641
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.9
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:240 Resp: 241266
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 25.7 20.6 31.0





#77

Benzidine

Concen: 63.133 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

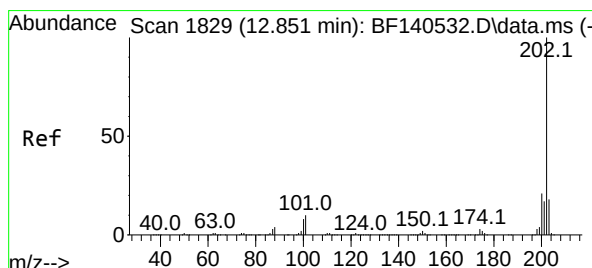
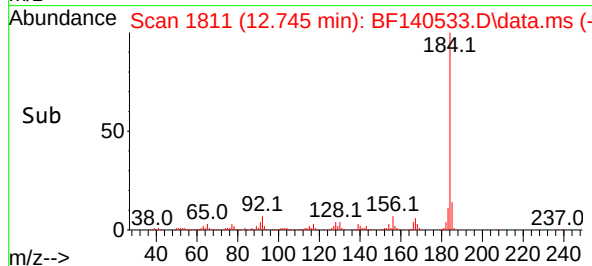
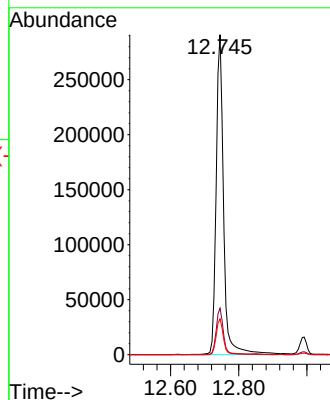
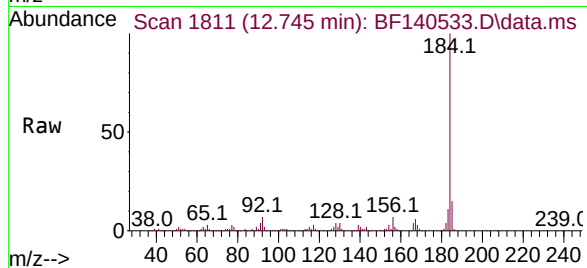
Tgt Ion:184 Resp: 442856

Ion Ratio Lower Upper

184 100

185 14.5 11.7 17.5

183 11.2 8.8 13.2



#78

Pyrene

Concen: 48.420 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

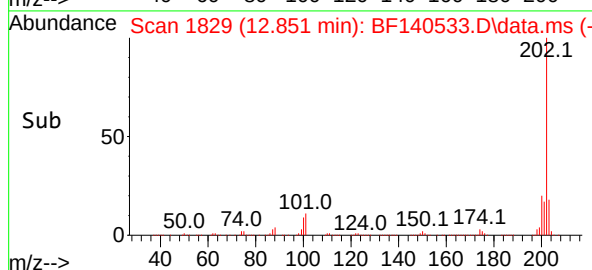
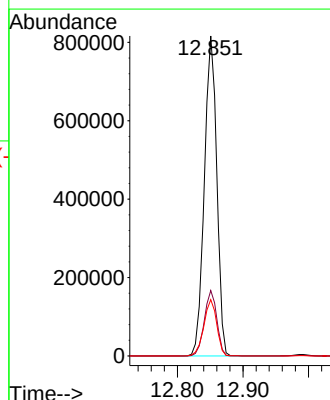
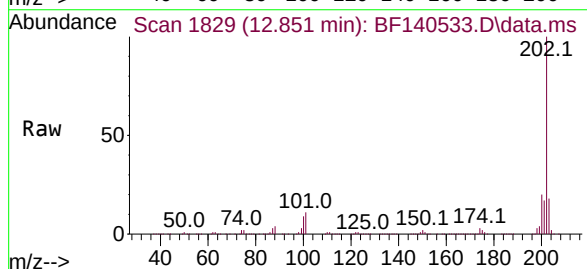
Tgt Ion:202 Resp: 1080149

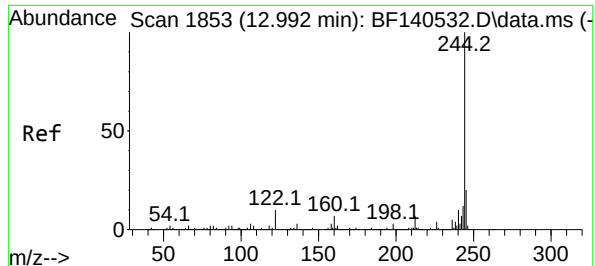
Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 95.640 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

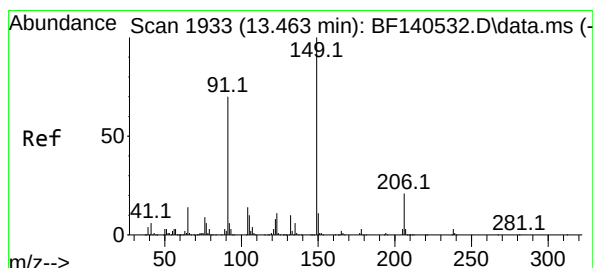
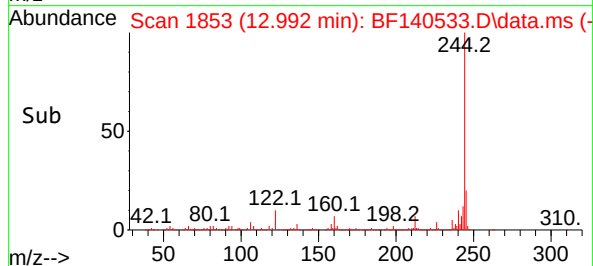
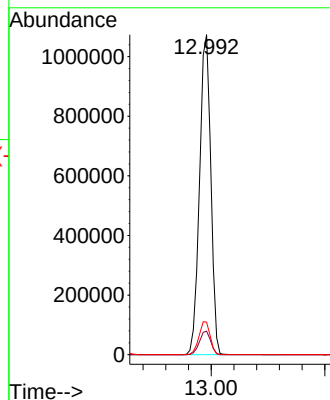
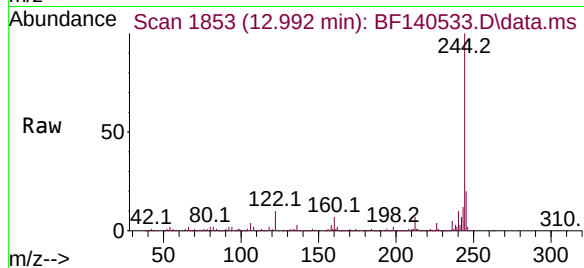
Tgt Ion:244 Resp: 1481875

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 10.2 8.0 12.0



#80

Butylbenzylphthalate

Concen: 49.136 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

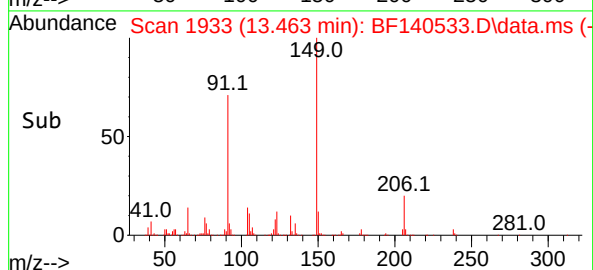
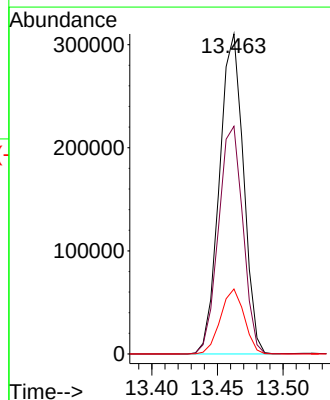
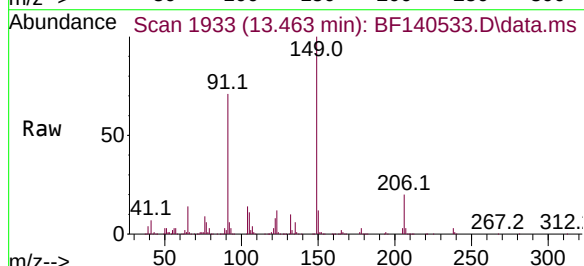
Tgt Ion:149 Resp: 394867

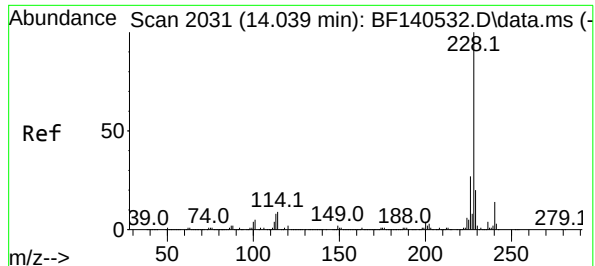
Ion Ratio Lower Upper

149 100

91 71.1 56.2 84.2

206 20.3 16.4 24.6

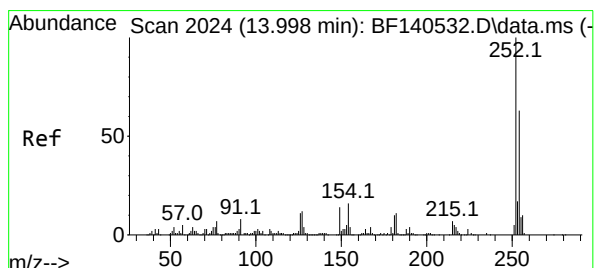
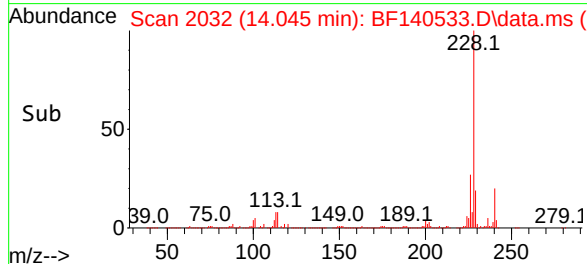
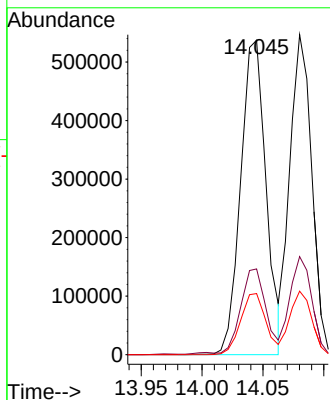
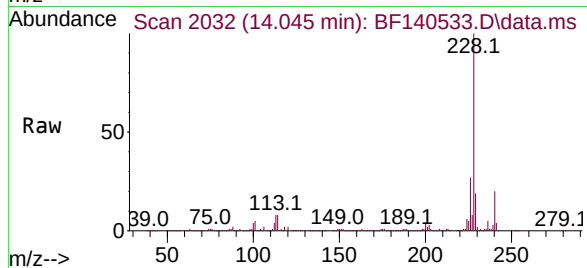




#81
Benzo(a)anthracene
Concen: 48.892 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

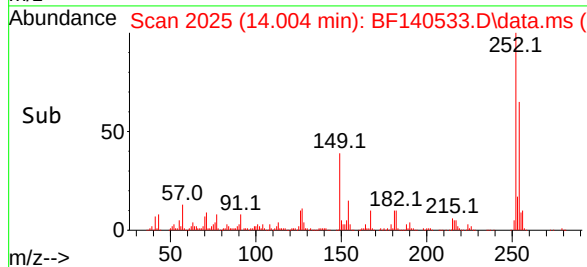
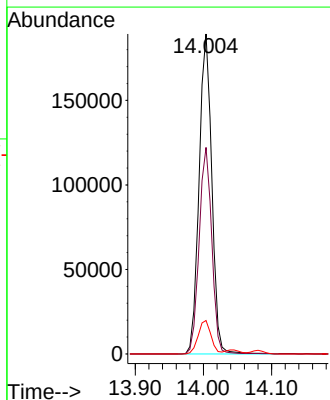
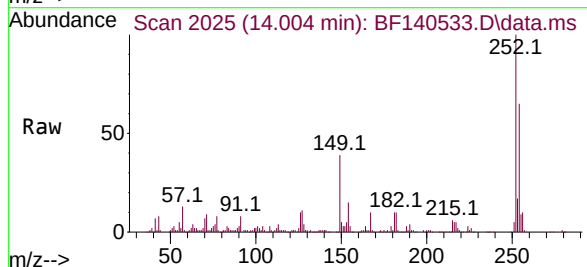
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

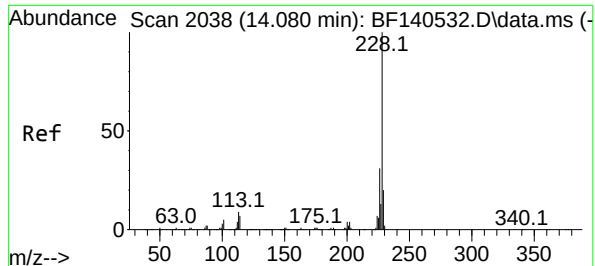
Tgt Ion:228 Resp: 780853
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.5 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 51.072 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:252 Resp: 244892
Ion Ratio Lower Upper
252 100
254 64.5 50.8 76.2
126 10.5 8.6 13.0





#83

Chrysene

Concen: 46.964 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

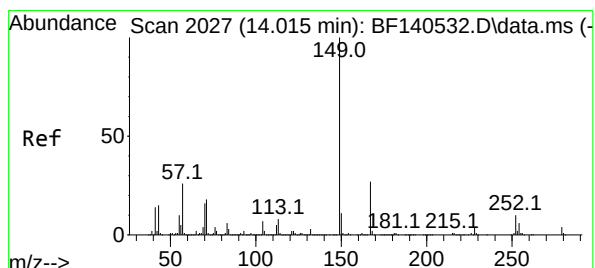
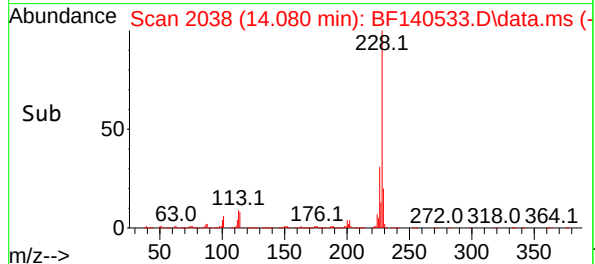
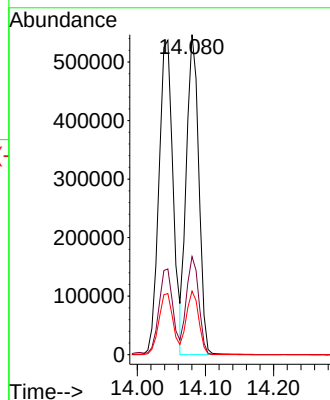
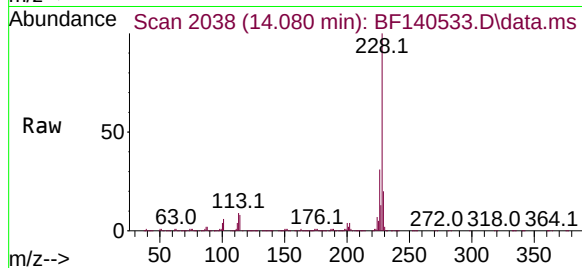
Tgt Ion:228 Resp: 685847

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.994 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

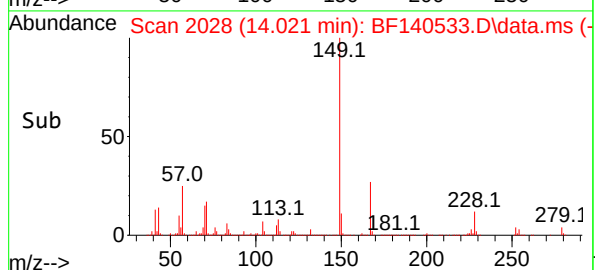
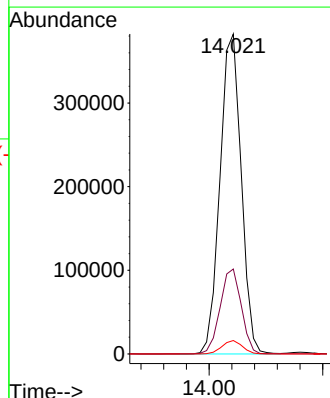
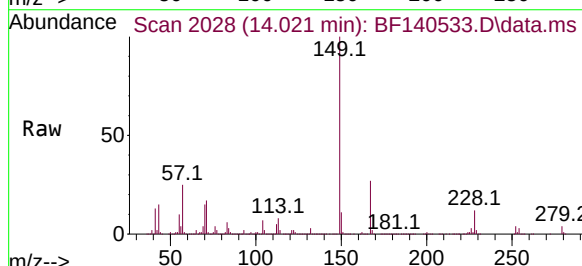
Tgt Ion:149 Resp: 497161

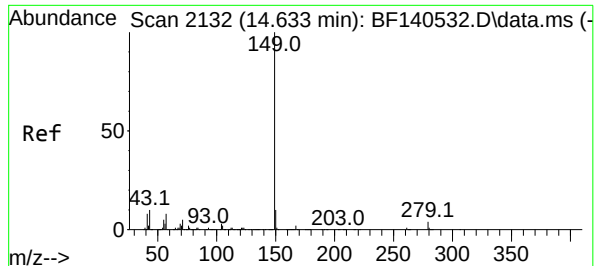
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

279 4.2 3.2 4.8

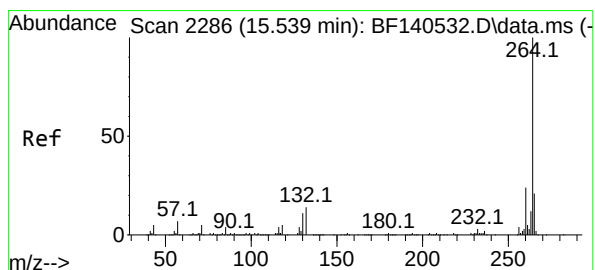
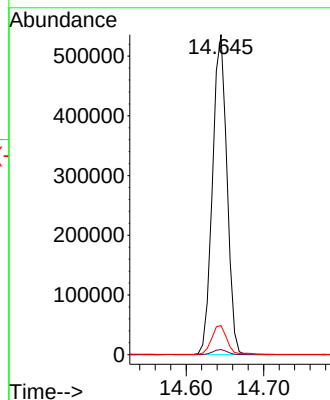
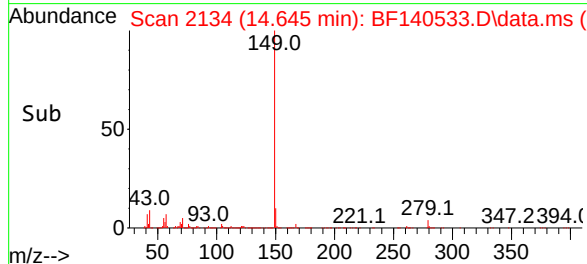
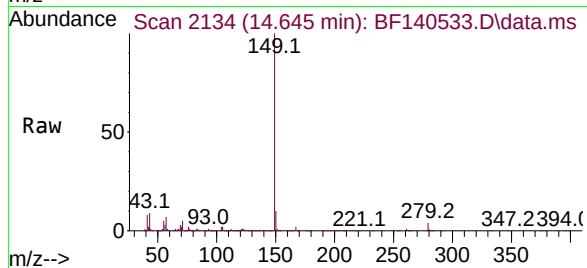




#85
Di-n-octyl phthalate
Concen: 49.901 ng
RT: 14.645 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

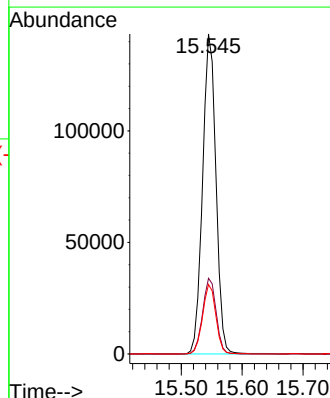
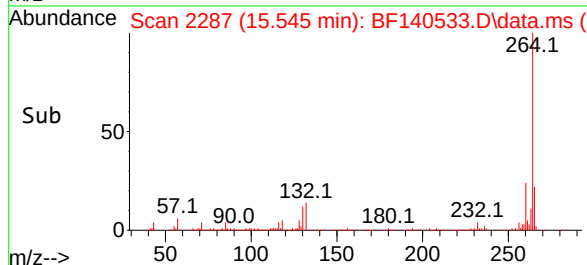
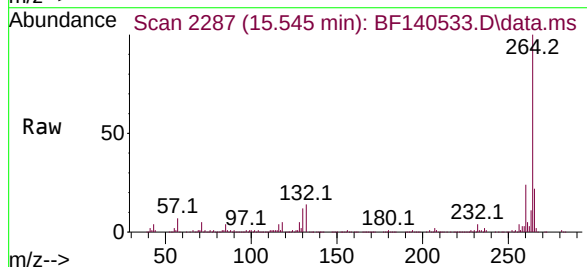
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

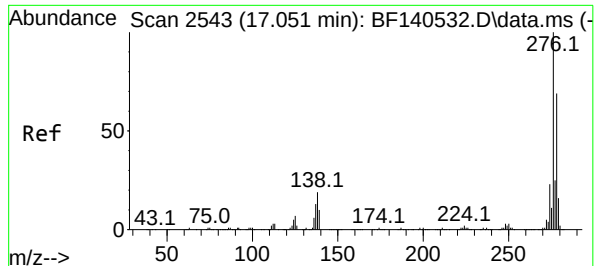
Tgt Ion:149 Resp: 692020
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:264 Resp: 219139
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.117 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

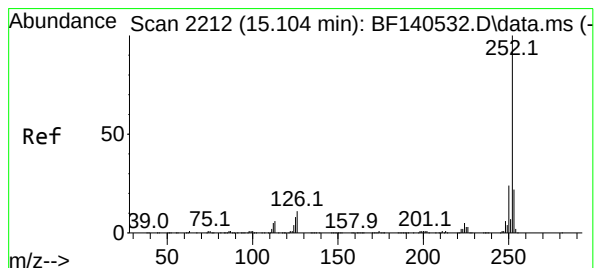
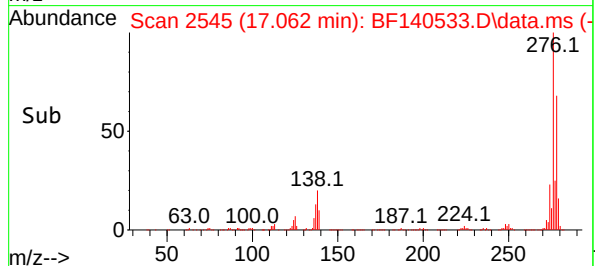
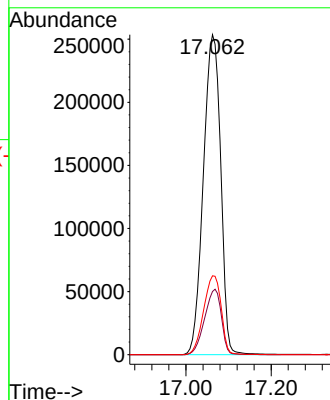
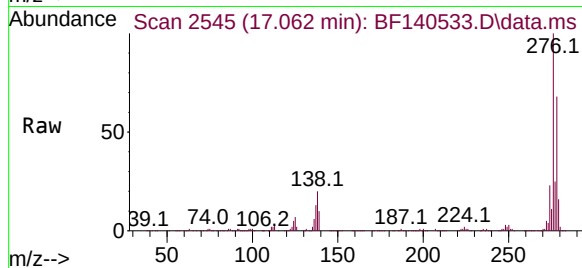
Tgt Ion:276 Resp: 715720

Ion Ratio Lower Upper

276 100

138 19.8 15.5 23.3

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 49.687 ng

RT: 15.109 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

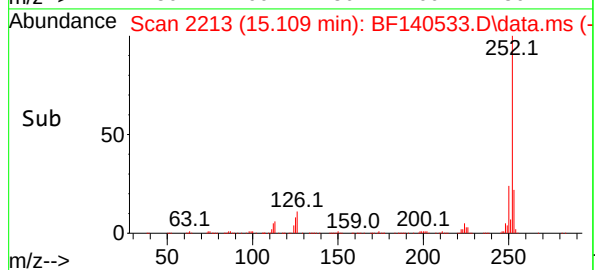
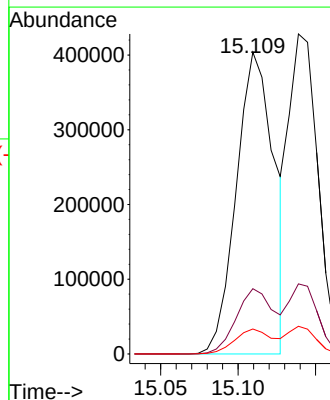
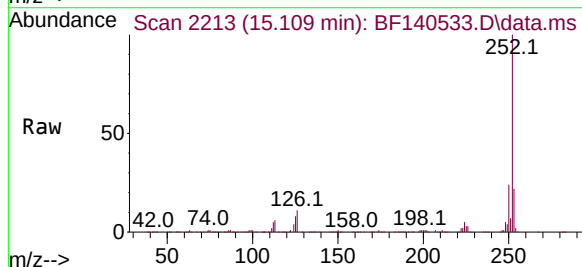
Tgt Ion:252 Resp: 683919

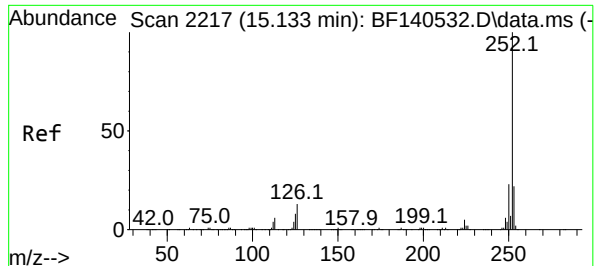
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 8.3 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 46.467 ng

RT: 15.139 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

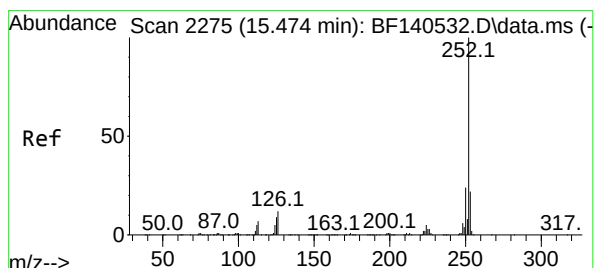
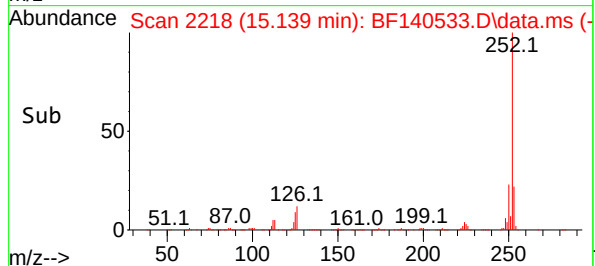
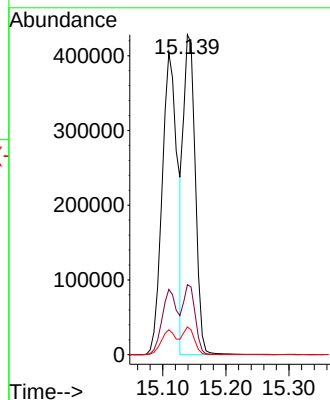
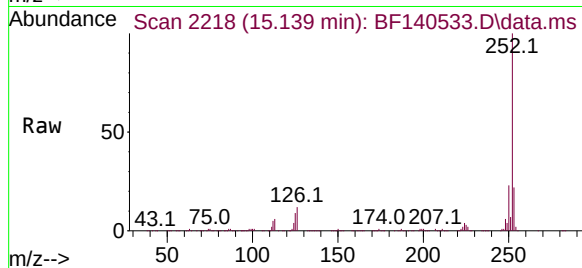
Tgt Ion:252 Resp: 559704

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.7 6.5 9.7



#90

Benzo(a)pyrene

Concen: 48.835 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF140533.D

Acq: 21 Nov 2024 13:25

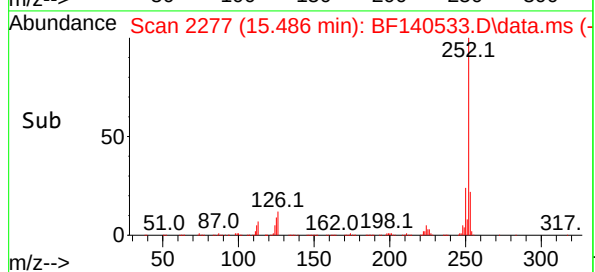
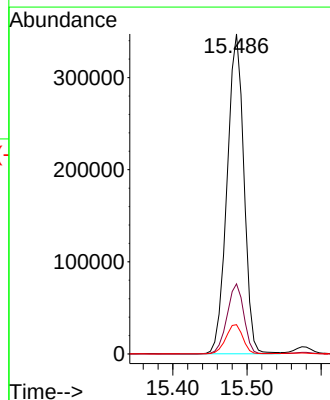
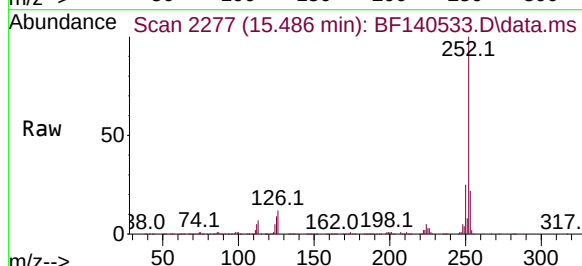
Tgt Ion:252 Resp: 546539

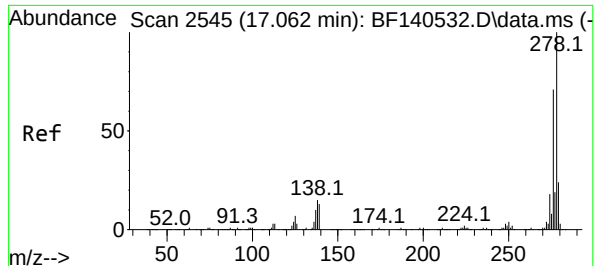
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 9.1 7.0 10.6

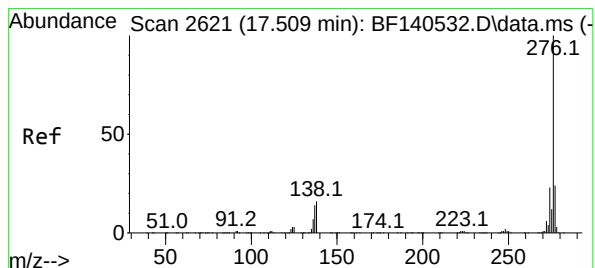
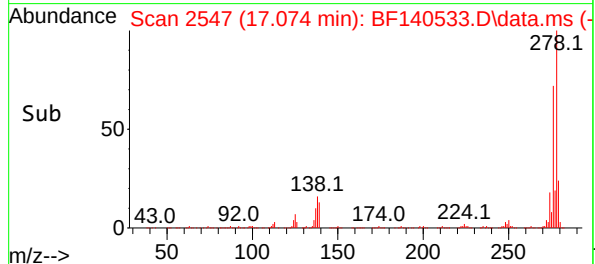
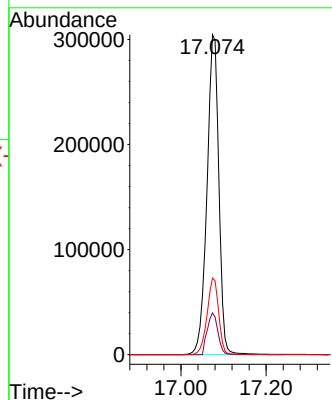
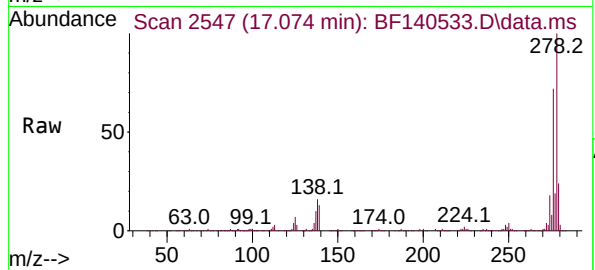




#91
Dibenzo(a,h)anthracene
Concen: 50.339 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

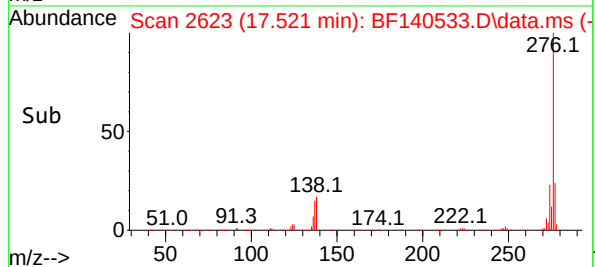
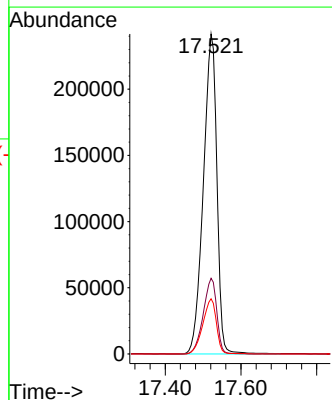
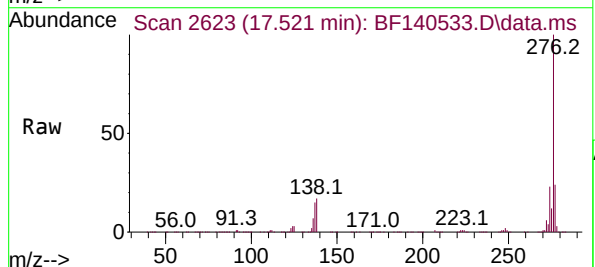
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 588742
Ion Ratio Lower Upper
278 100
139 13.0 10.2 15.4
279 24.0 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 50.203 ng
RT: 17.521 min Scan# 2623
Delta R.T. 0.012 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Tgt Ion:276 Resp: 599158
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 17.2 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140534.D
 Acq On : 21 Nov 2024 13:51
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 21 15:14:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	126992	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	460987	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	252108	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	449876	20.000	ng	0.00
76) Chrysene-d12	14.051	240	226512	20.000	ng	0.00
86) Perylene-d12	15.539	264	216239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	858529	115.348	ng	0.00
7) Phenol-d6	6.522	99	1119751	113.799	ng	0.00
23) Nitrobenzene-d5	7.445	82	1043537	115.789	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	317506	117.756	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1875064	110.815	ng	0.00
79) Terphenyl-d14	12.992	244	1783980	122.638	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.651	88	172855	55.237	ng	100
3) Pyridine	3.422	79	414269	60.167	ng	97
4) n-Nitrosodimethylamine	3.398	42	240667	59.472	ng	99
6) Aniline	6.545	93	388609	56.111	ng	# 75
8) 2-Chlorophenol	6.669	128	460365	57.492	ng	99
9) Benzaldehyde	6.428	77	242020	46.462	ng	98
10) Phenol	6.539	94	567815	56.506	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	457231	59.461	ng	99
12) 1,3-Dichlorobenzene	6.816	146	518683	57.647	ng	99
13) 1,4-Dichlorobenzene	6.892	146	522883	57.394	ng	99
14) 1,2-Dichlorobenzene	7.051	146	482402	56.509	ng	99
15) Benzyl Alcohol	7.022	79	415427	56.931	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	524697	57.758	ng	98
17) 2-Methylphenol	7.139	107	365400	57.006	ng	97
18) Hexachloroethane	7.386	117	194336	57.114	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	326639	56.169	ng	98
20) 3+4-Methylphenols	7.292	107	460654	55.912	ng	95
22) Acetophenone	7.292	105	636564	56.641	ng	98
24) Nitrobenzene	7.463	77	540526	58.030	ng	100
25) Isophorone	7.698	82	876972	58.340	ng	99
26) 2-Nitrophenol	7.775	139	249133	60.355	ng	100
27) 2,4-Dimethylphenol	7.816	122	285825	57.873	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	531210	58.008	ng	100
29) 2,4-Dichlorophenol	8.022	162	379082	57.925	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	431792	57.787	ng	100
31) Naphthalene	8.181	128	1359743	57.265	ng	99
32) Benzoic acid	7.969	122	265434	59.698	ng	99
33) 4-Chloroaniline	8.233	127	425356	59.831	ng	99
34) Hexachlorobutadiene	8.292	225	286614	57.911	ng	98
35) Caprolactam	8.622	113	117351	57.943	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	424528	57.938	ng	99
37) 2-Methylnaphthalene	8.869	142	857509	56.857	ng	100
38) 1-Methylnaphthalene	8.969	142	841528	56.925	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	427164	57.878	ng	99
41) Hexachlorocyclopentadiene	9.016	237	97536	60.727	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	272399	58.819	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140534.D
 Acq On : 21 Nov 2024 13:51
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 21 15:14:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

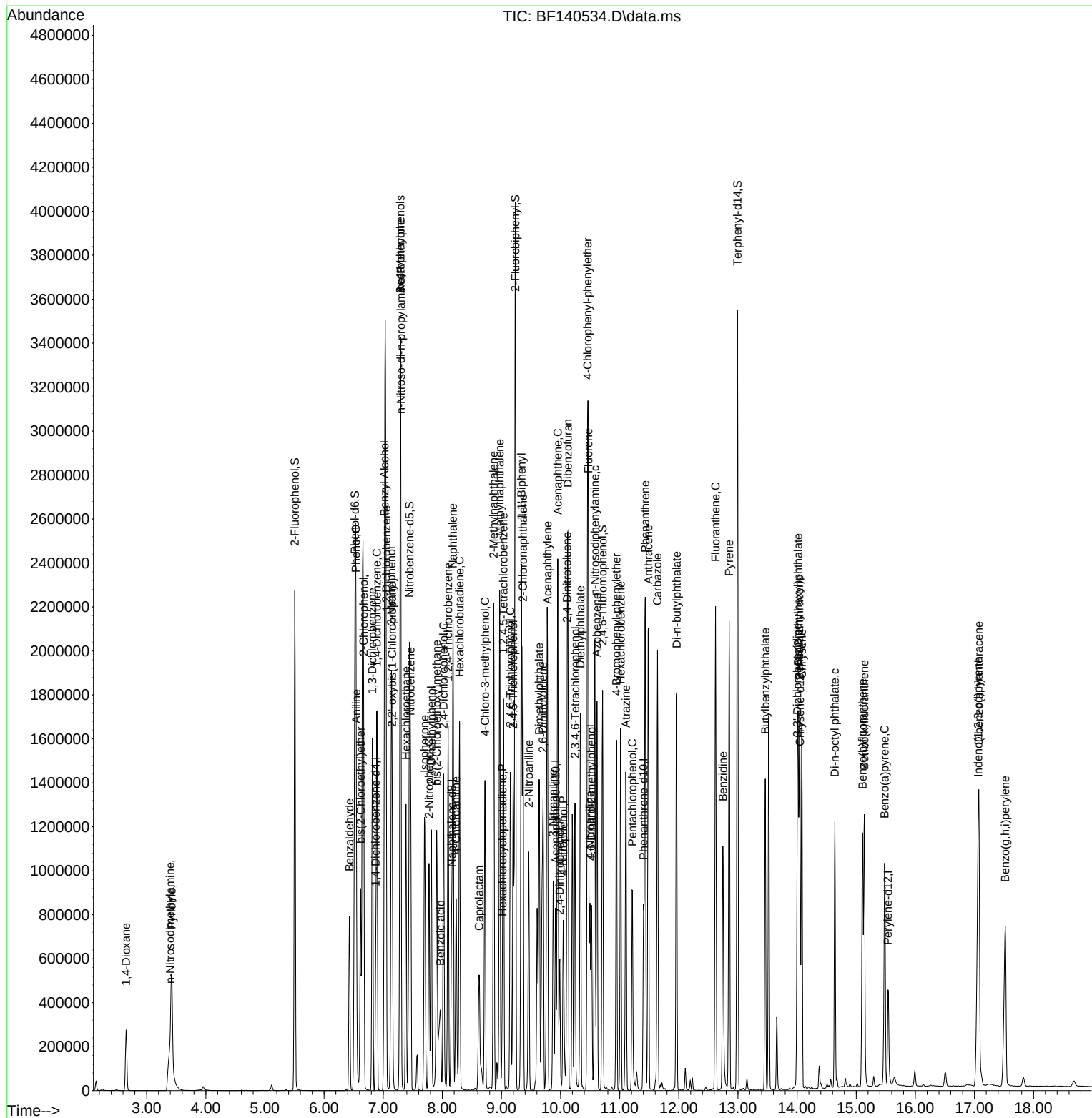
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	300029	59.694	ng	98
46) 1,1'-Biphenyl	9.339	154	1072474	56.978	ng	99
47) 2-Chloronaphthalene	9.363	162	819966	57.492	ng	99
48) 2-Nitroaniline	9.463	65	269813	58.938	ng	96
49) Acenaphthylene	9.780	152	1227568	56.965	ng	99
50) Dimethylphthalate	9.639	163	960589	57.854	ng	100
51) 2,6-Dinitrotoluene	9.704	165	221428	58.802	ng	99
52) Acenaphthene	9.951	154	784102	56.194	ng	100
53) 3-Nitroaniline	9.875	138	212165	57.607	ng	99
54) 2,4-Dinitrophenol	9.986	184	113495	60.328	ng	97
55) Dibenzofuran	10.122	168	1158263	55.459	ng	98
56) 4-Nitrophenol	10.045	139	161782	64.410	ng	96
57) 2,4-Dinitrotoluene	10.110	165	293950	58.735	ng	98
58) Fluorene	10.469	166	925678	55.218	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	230786	59.746	ng	97
60) Diethylphthalate	10.333	149	959366	56.869	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	457757	55.641	ng	99
62) 4-Nitroaniline	10.498	138	233877	60.547	ng	98
63) Azobenzene	10.616	77	912145	57.097	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	158199	68.815	ng	98
66) n-Nitrosodiphenylamine	10.580	169	783428	58.887	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	276260	59.628	ng	98
68) Hexachlorobenzene	11.016	284	317935	59.265	ng	99
69) Atrazine	11.104	200	264529	70.679	ng	100
70) Pentachlorophenol	11.216	266	162925	69.004	ng	99
71) Phenanthrene	11.433	178	1236004	57.156	ng	100
72) Anthracene	11.486	178	1220392	57.692	ng	99
73) Carbazole	11.639	167	1163411	57.171	ng	99
74) Di-n-butylphthalate	11.963	149	1359134	57.851	ng	100
75) Fluoranthene	12.621	202	1298953	55.323	ng	99
77) Benzidine	12.745	184	696576	105.771	ng	100
78) Pyrene	12.851	202	1289961	61.591	ng	100
80) Butylbenzylphthalate	13.463	149	458296	60.743	ng	98
81) Benzo(a)anthracene	14.039	228	909243	60.640	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	284725	63.247	ng	99
83) Chrysene	14.080	228	797151	58.142	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	571450	59.983	ng	100
85) Di-n-octyl phthalate	14.639	149	794359	61.012	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	914265	64.878	ng	98
88) Benzo(b)fluoranthene	15.109	252	782997	57.648	ng	99
89) Benzo(k)fluoranthene	15.139	252	684548	57.594	ng	100
90) Benzo(a)pyrene	15.480	252	657502	59.538	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	745614	64.606	ng	99
92) Benzo(g,h,i)perylene	17.521	276	753452	63.978	ng	98

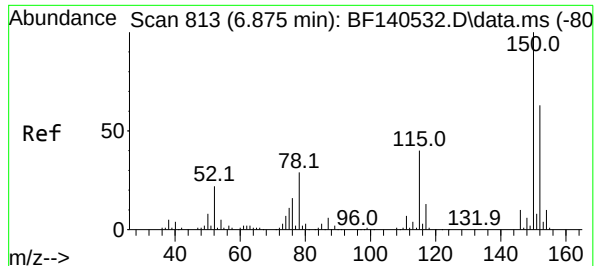
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140534.D
Acq On : 21 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

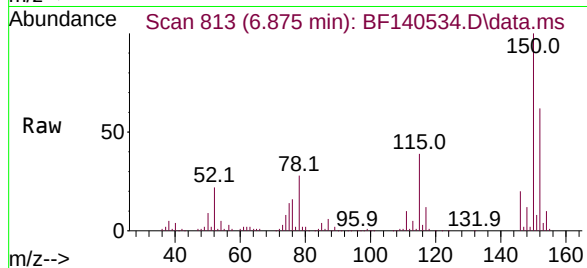
Quant Time: Nov 21 15:14:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



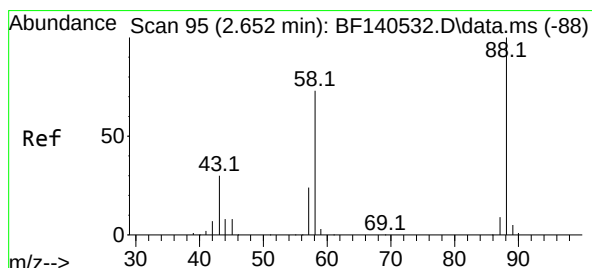
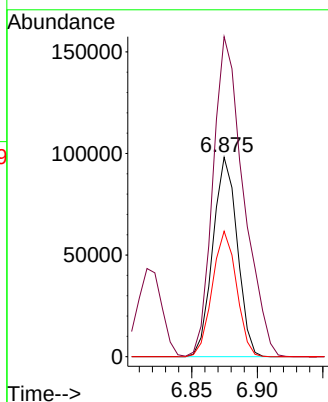
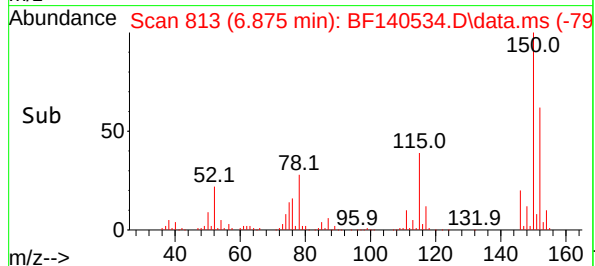


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

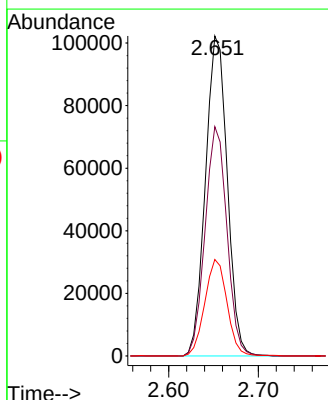
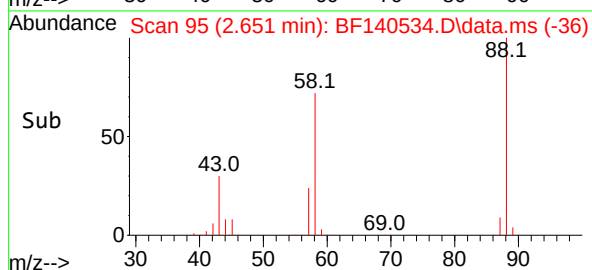
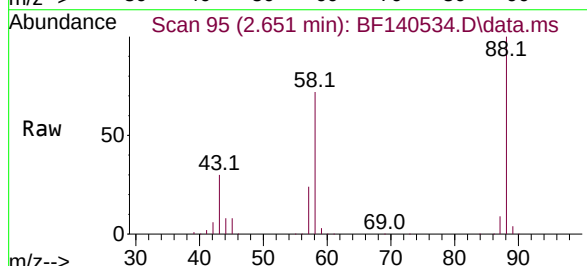


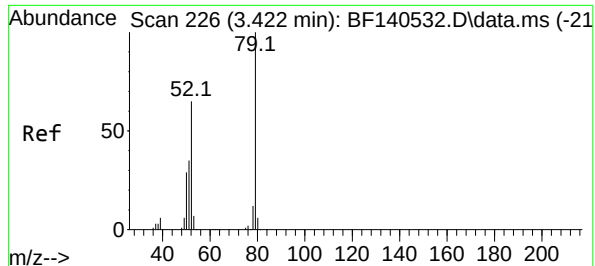
Tgt Ion:152 Resp: 126992
Ion Ratio Lower Upper
152 100
150 160.5 128.5 192.7
115 62.9 50.2 75.4



#2
1,4-Dioxane
Concen: 55.237 ng
RT: 2.651 min Scan# 95
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion: 88 Resp: 172855
Ion Ratio Lower Upper
88 100
58 71.5 57.4 86.2
43 30.7 24.3 36.5





#3

Pyridine

Concen: 60.167 ng

RT: 3.422 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

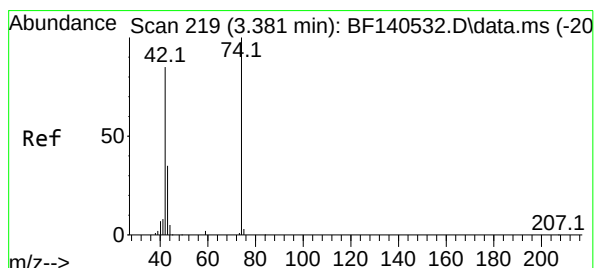
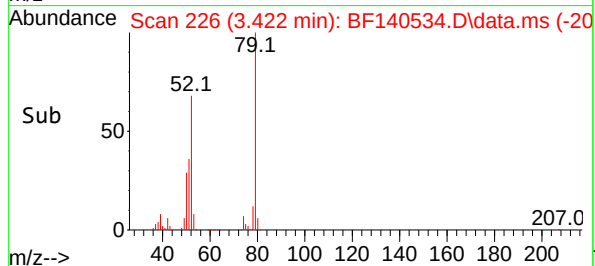
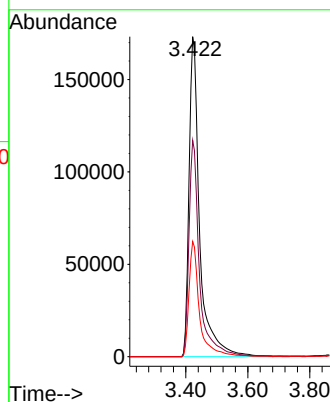
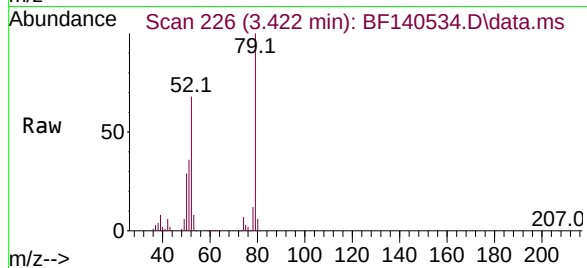
Tgt Ion: 79 Resp: 414269

Ion	Ratio	Lower	Upper

79	100		

52	67.6	52.1	78.1

51	36.0	27.8	41.8



#4

n-Nitrosodimethylamine

Concen: 59.472 ng

RT: 3.398 min Scan# 222

Delta R.T. 0.018 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

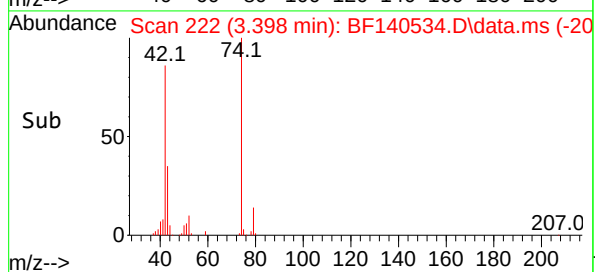
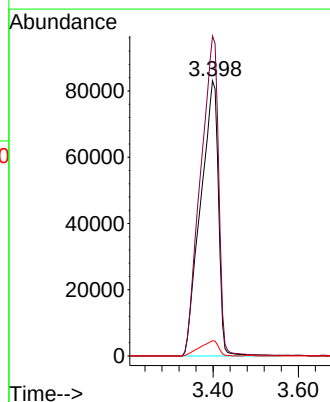
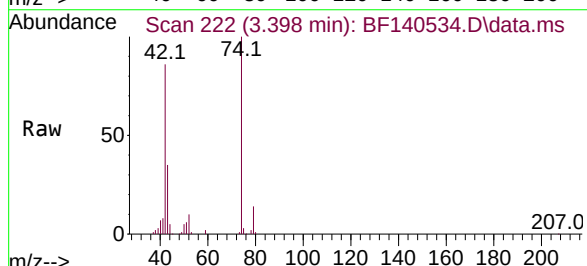
Tgt Ion: 42 Resp: 240667

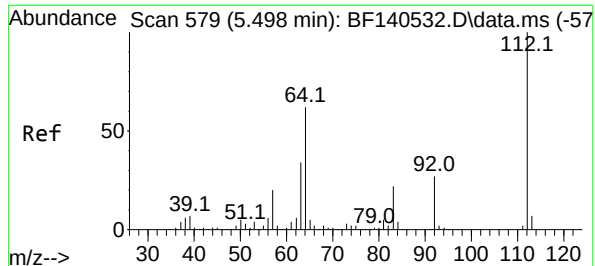
Ion	Ratio	Lower	Upper

42	100		

74	116.3	93.8	140.6

44	5.6	4.6	6.8

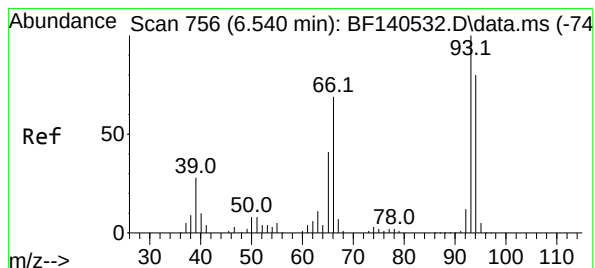
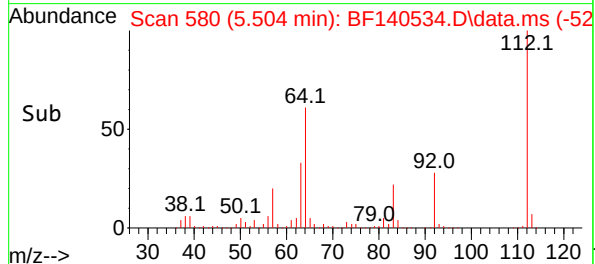
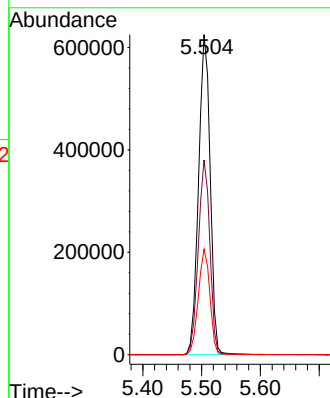
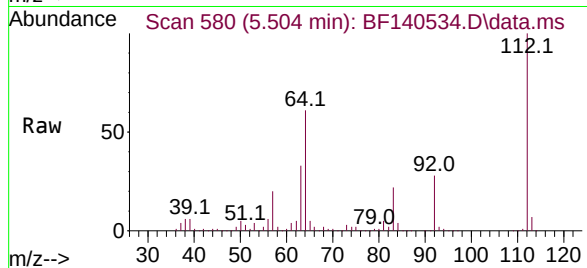




#5
2-Fluorophenol
Concen: 115.348 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

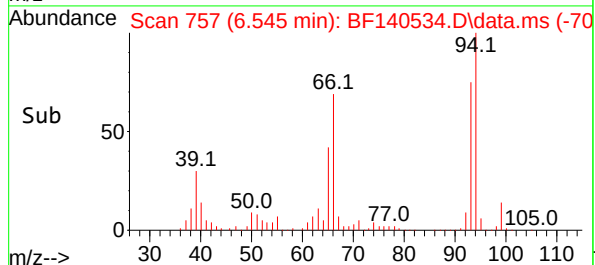
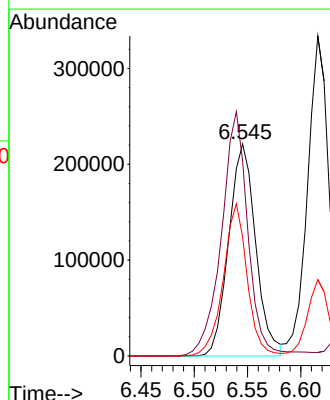
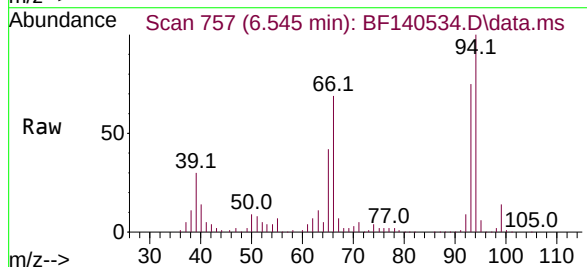
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

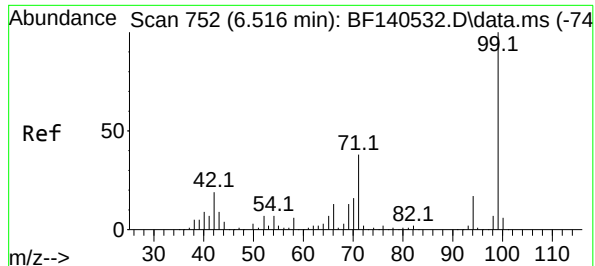
Tgt Ion:112 Resp: 858529
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 32.9 27.0 40.4



#6
Aniline
Concen: 56.111 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion: 93 Resp: 388609
Ion Ratio Lower Upper
93 100
66 92.0 56.5 84.7#
65 56.2 32.9 49.3#





#7

Phenol-d6

Concen: 113.799 ng

RT: 6.522 min Scan# 711

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

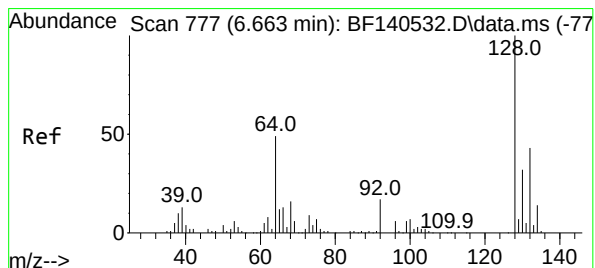
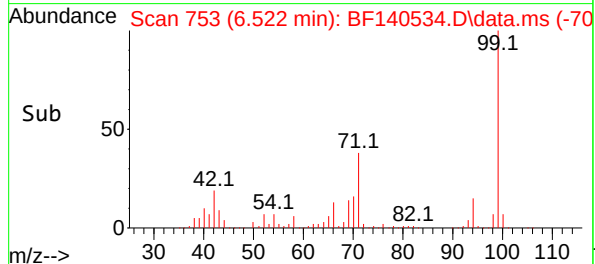
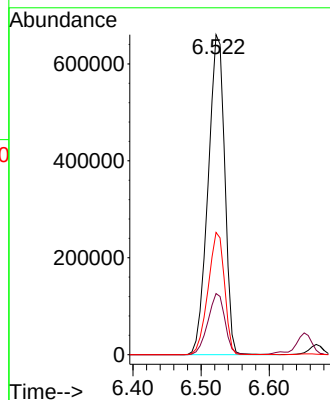
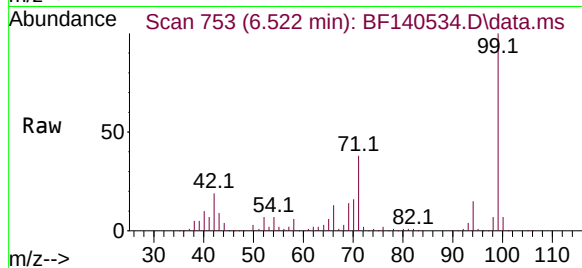
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1119751

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.4	23.0
71	38.2	30.6	46.0



#8

2-Chlorophenol

Concen: 57.492 ng

RT: 6.669 min Scan# 778

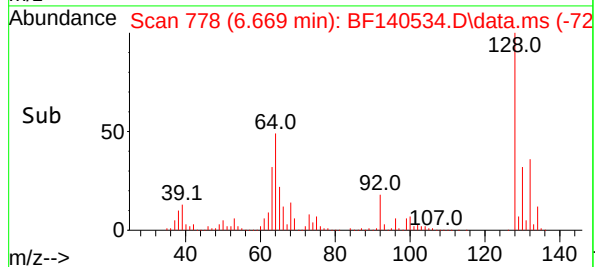
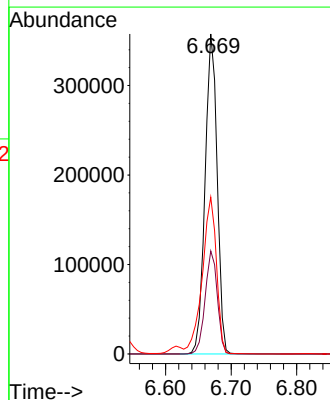
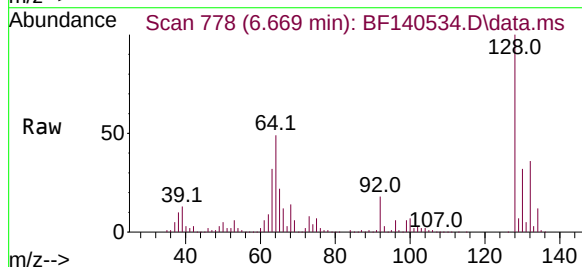
Delta R.T. 0.006 min

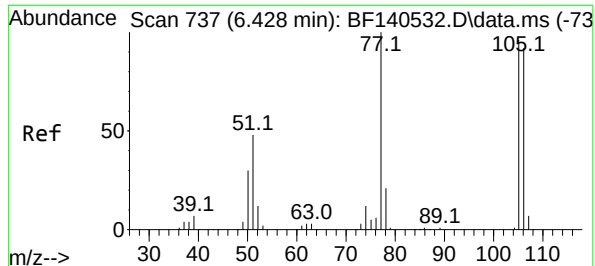
Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion:128 Resp: 460365

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.3	52.3
64	49.0	30.2	70.2





#9

Benzaldehyde

Concen: 46.462 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

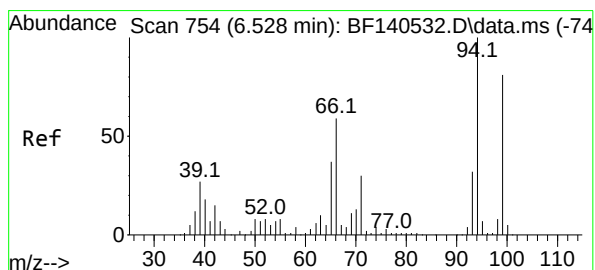
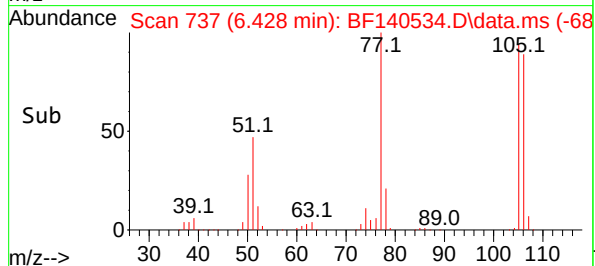
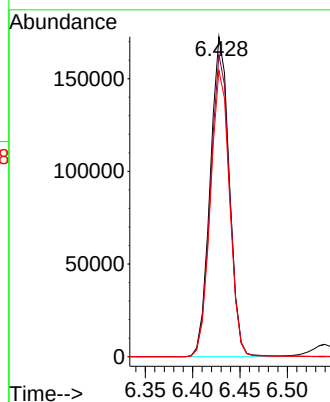
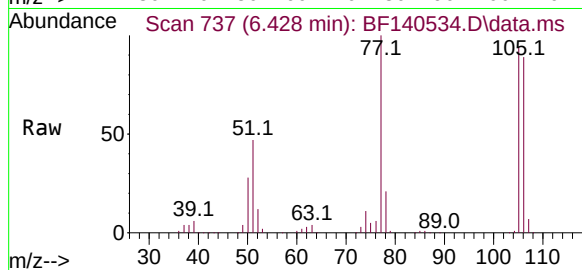
Tgt Ion: 77 Resp: 242020

Ion Ratio Lower Upper

77 100

105 94.3 75.6 115.6

106 89.4 72.0 112.0



#10

Phenol

Concen: 56.506 ng

RT: 6.539 min Scan# 756

Delta R.T. 0.012 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

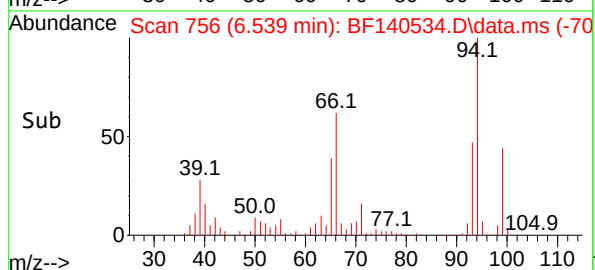
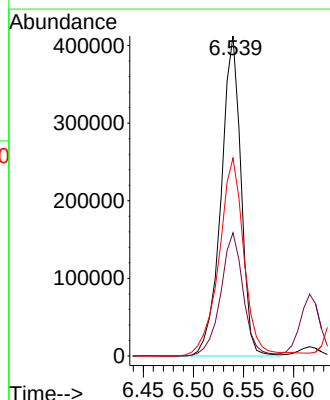
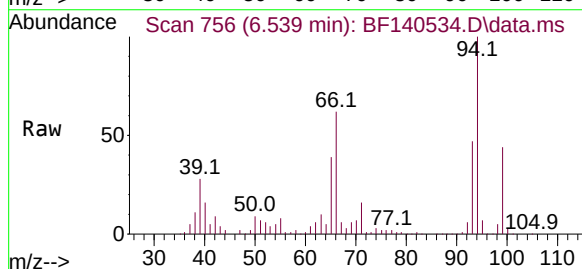
Tgt Ion: 94 Resp: 567815

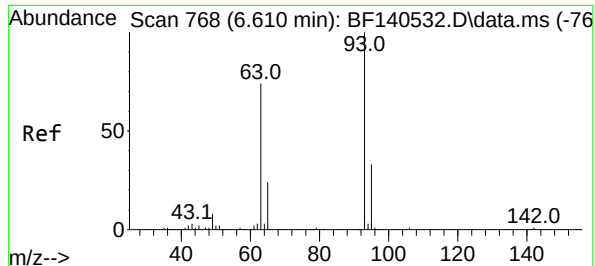
Ion Ratio Lower Upper

94 100

65 38.5 17.2 57.2

66 61.8 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 59.461 ng

RT: 6.616 min Scan# 768

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

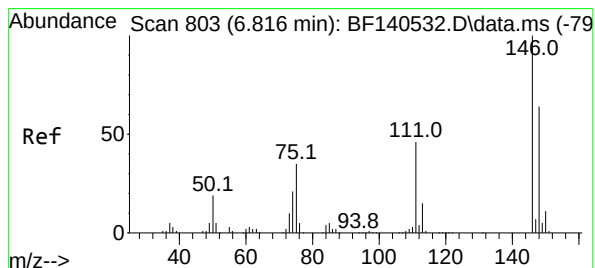
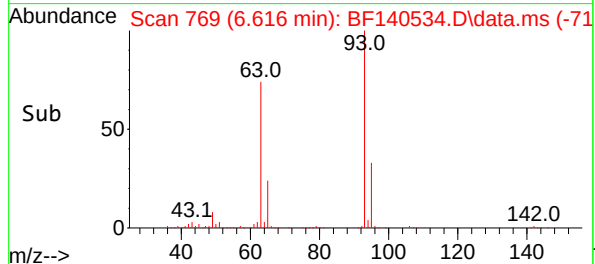
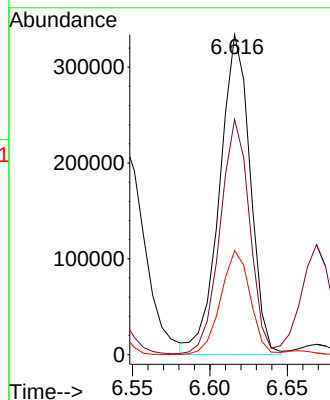
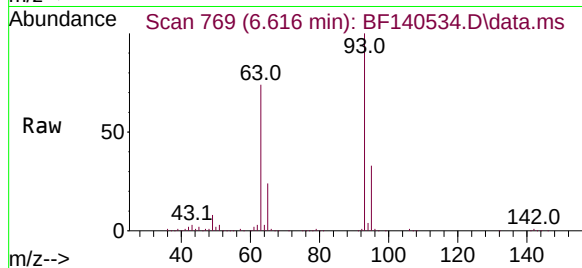
Tgt Ion: 93 Resp: 457231

Ion Ratio Lower Upper

93 100

63 73.6 52.8 92.8

95 32.5 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 57.647 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

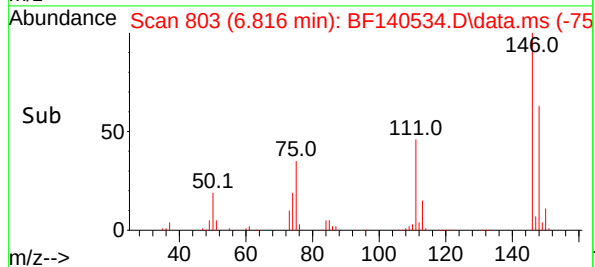
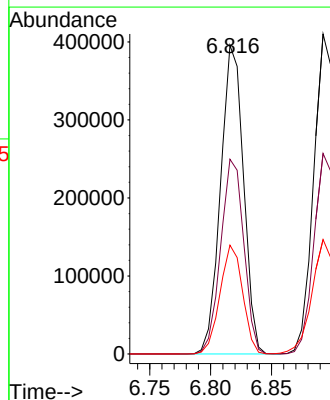
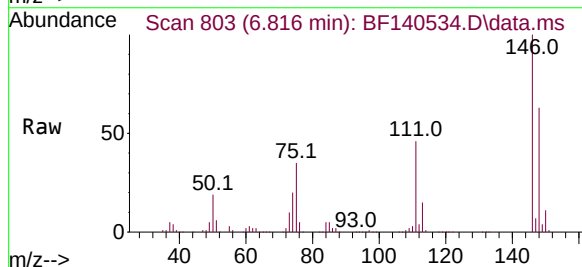
Tgt Ion:146 Resp: 518683

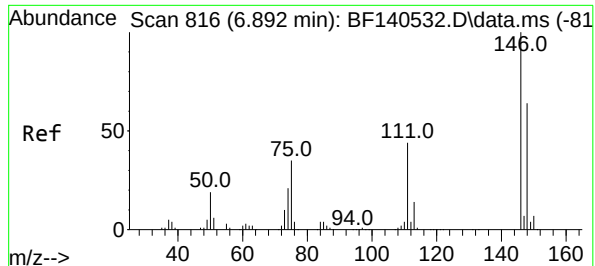
Ion Ratio Lower Upper

146 100

148 63.1 51.3 76.9

75 35.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 57.394 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

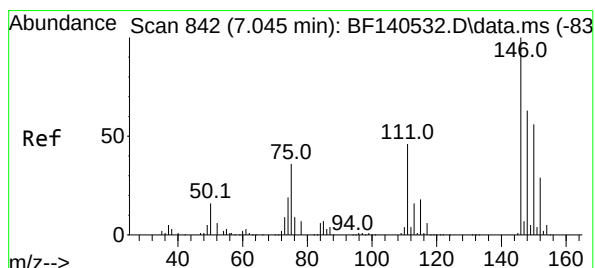
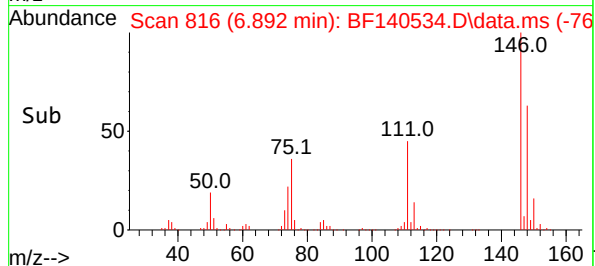
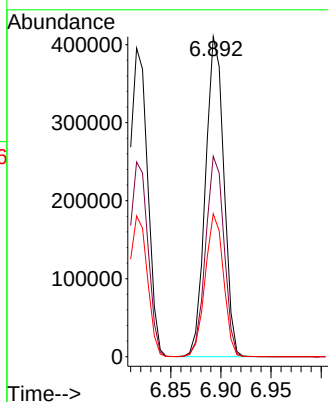
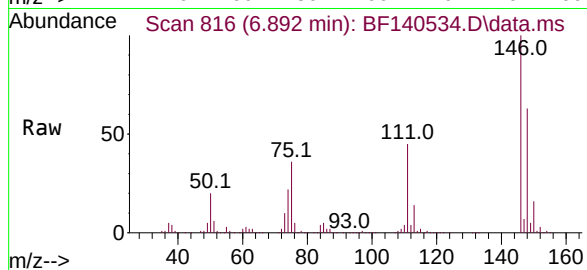
Tgt Ion:146 Resp: 522883

Ion Ratio Lower Upper

146 100

148 62.7 51.0 76.6

111 44.6 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 56.509 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

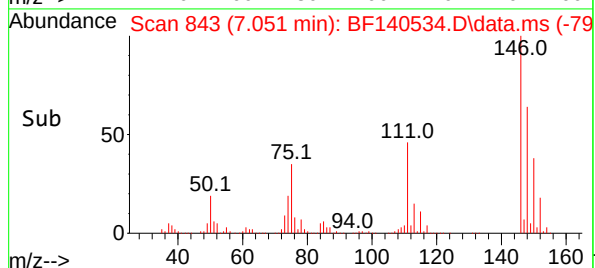
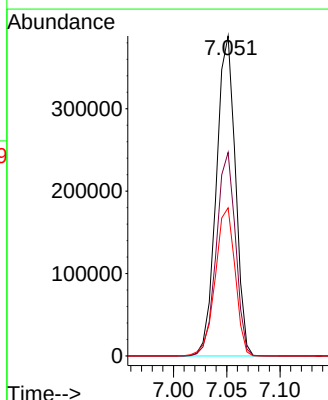
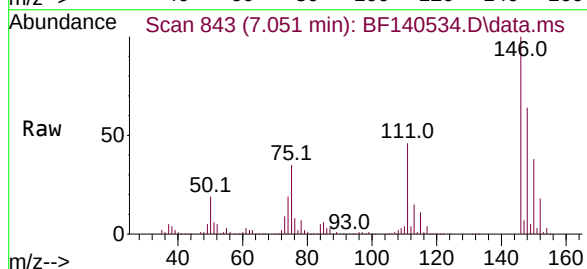
Tgt Ion:146 Resp: 482402

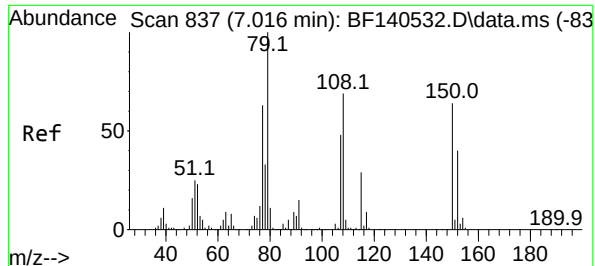
Ion Ratio Lower Upper

146 100

148 63.6 50.5 75.7

111 46.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 56.931 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

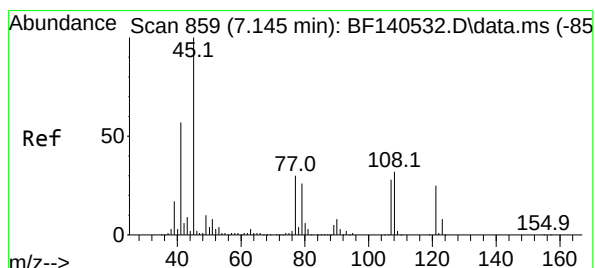
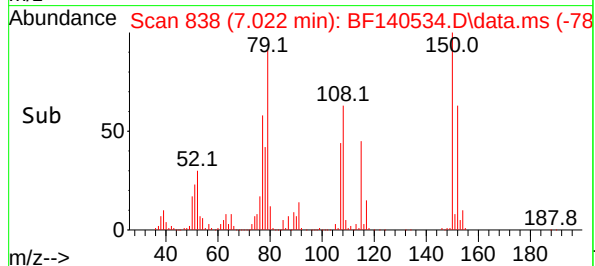
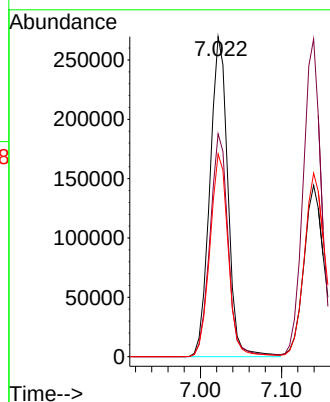
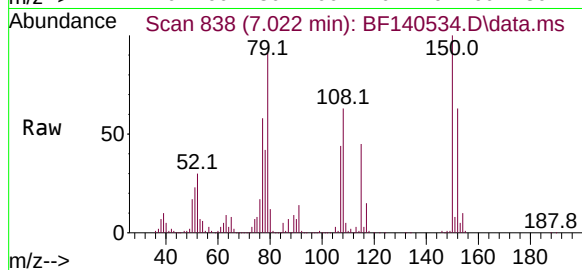
Tgt Ion: 79 Resp: 415427

Ion Ratio Lower Upper

79 100

108 69.7 55.0 82.6

77 63.3 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.758 ng

RT: 7.151 min Scan# 860

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

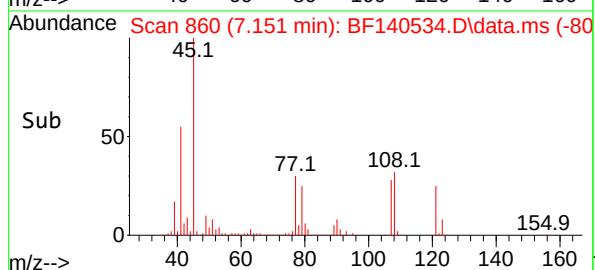
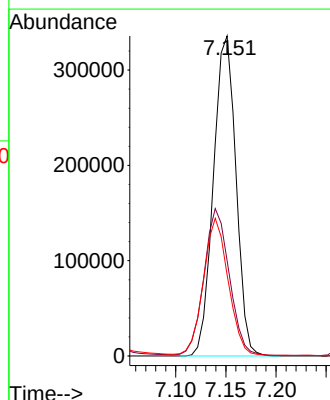
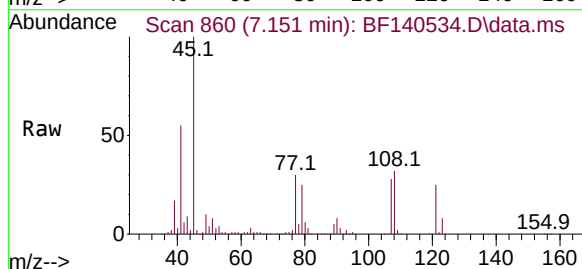
Tgt Ion: 45 Resp: 524697

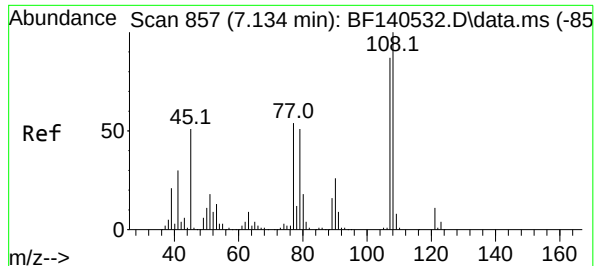
Ion Ratio Lower Upper

45 100

77 29.9 10.7 50.7

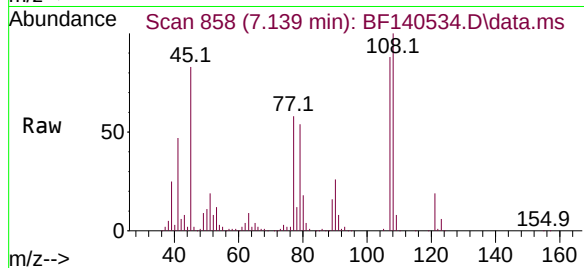
79 25.4 7.0 47.0



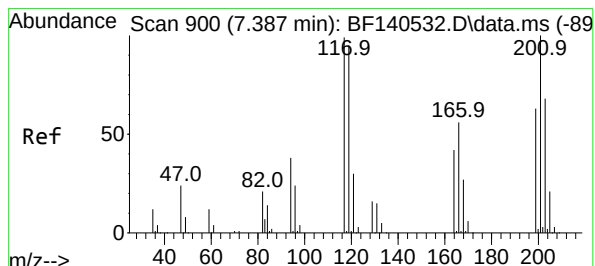
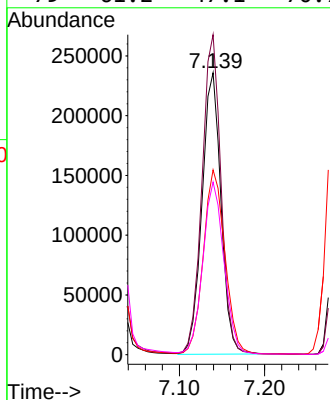
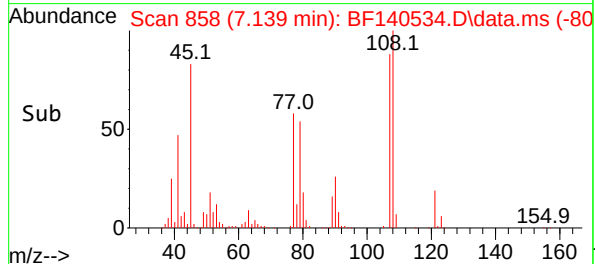


#17
2-Methylphenol
Concen: 57.006 ng
RT: 7.139 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

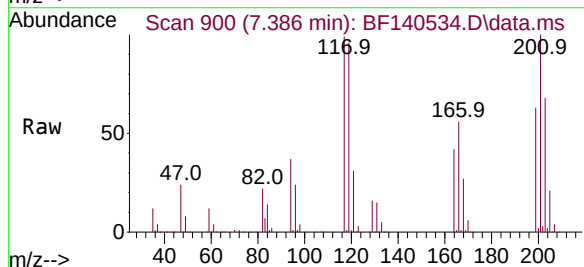
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



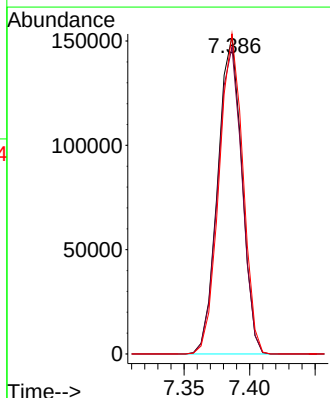
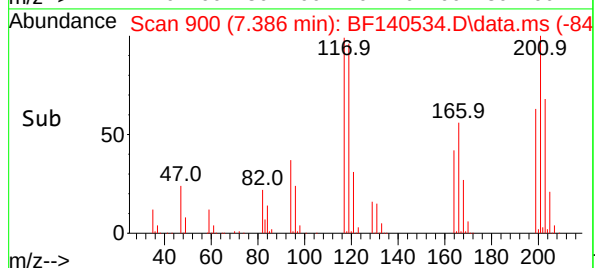
Tgt Ion:107 Resp: 365400
Ion Ratio Lower Upper
107 100
108 113.5 91.7 137.5
77 65.5 49.3 73.9
79 61.2 47.1 70.7

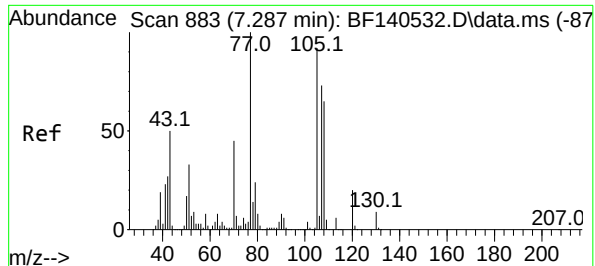


#18
Hexachloroethane
Concen: 57.114 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51



Tgt Ion:117 Resp: 194336
Ion Ratio Lower Upper
117 100
119 96.6 77.1 115.7
201 100.8 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 56.169 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.012 min

Lab File: BF140534.D

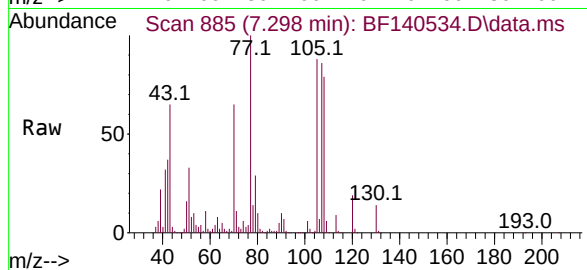
Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

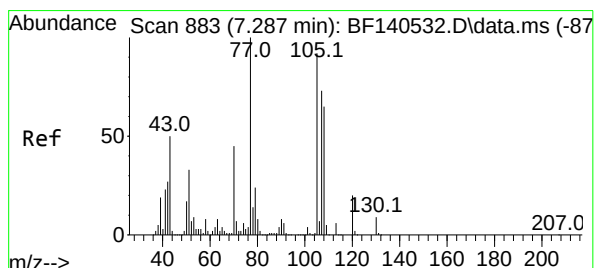
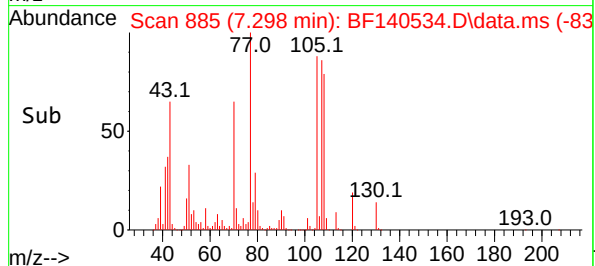
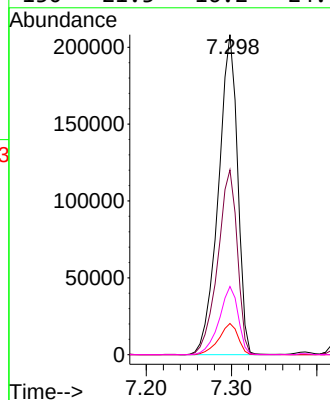
ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 326639

Ion	Ratio	Lower	Upper
70	100		
42	57.7	47.6	71.4
101	9.8	7.6	11.4
130	21.3	16.2	24.4



#20

3+4-Methylphenols

Concen: 55.912 ng

RT: 7.292 min Scan# 884

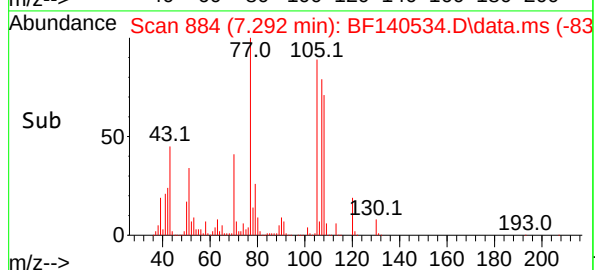
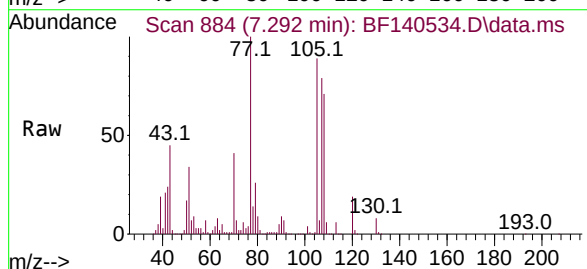
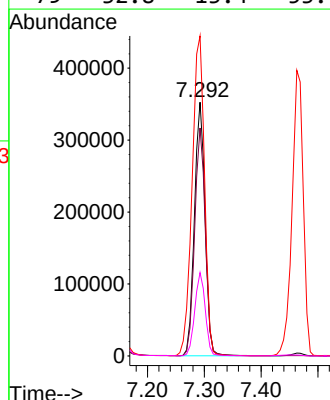
Delta R.T. 0.006 min

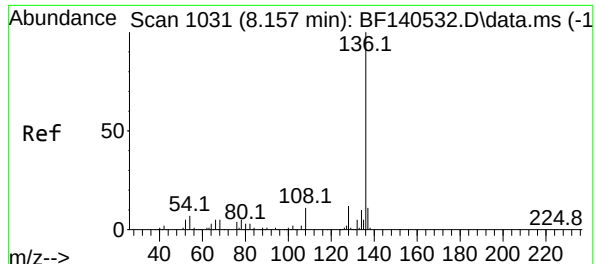
Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion: 107 Resp: 460654

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.9	109.9
77	126.1	117.7	157.7
79	32.8	13.4	53.4



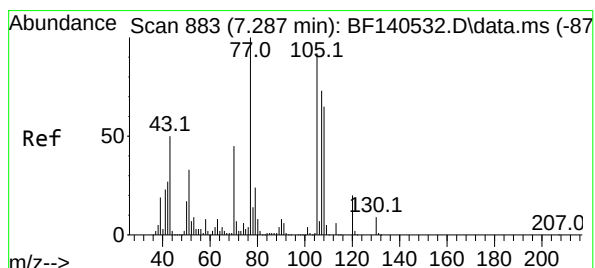
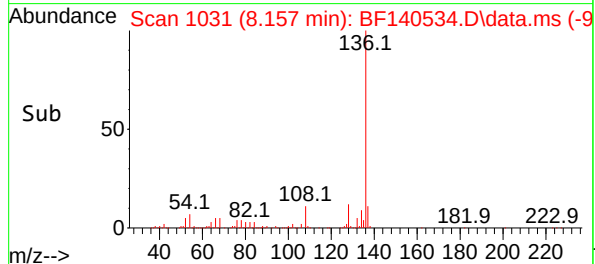
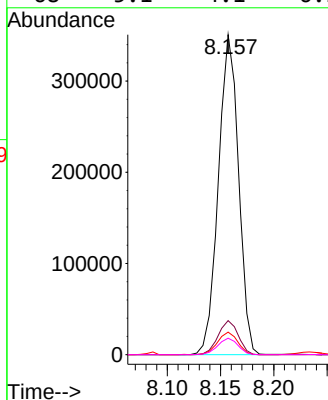
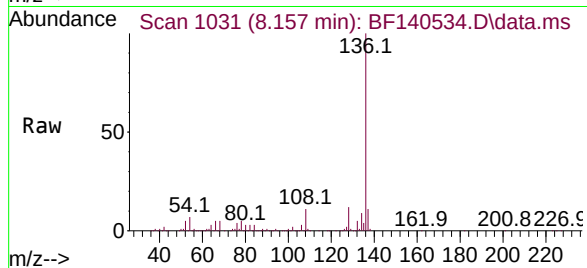


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 460987

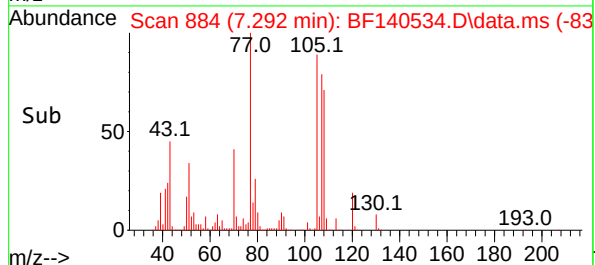
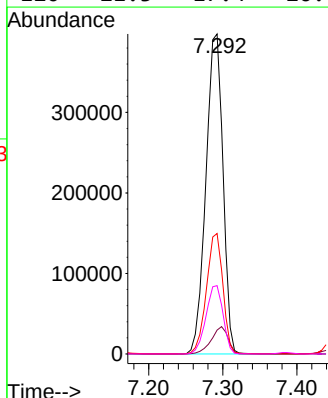
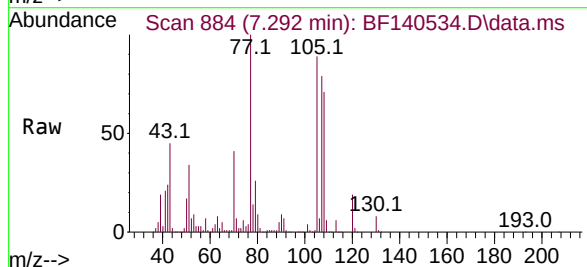
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.0	5.8	8.8
68	5.1	4.1	6.1

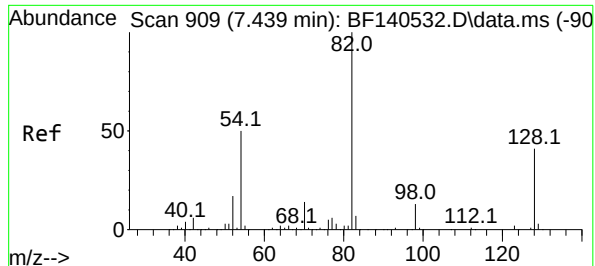


#22
Acetophenone
Concen: 56.641 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:105 Resp: 636564

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.2	9.2
51	37.6	29.0	43.6
120	21.3	17.4	26.0





#23

Nitrobenzene-d5

Concen: 115.789 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

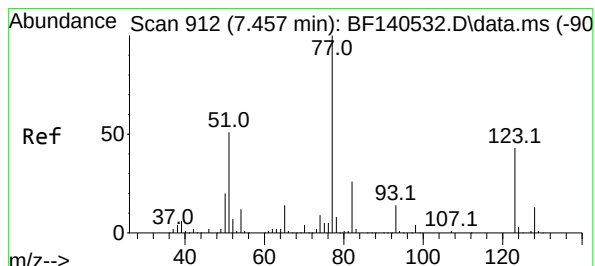
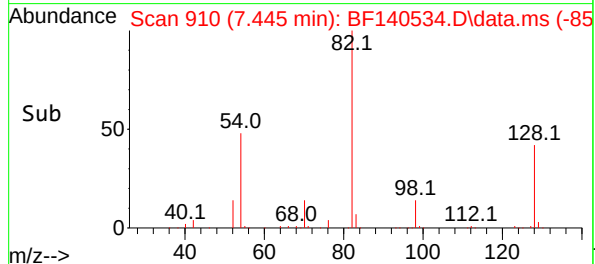
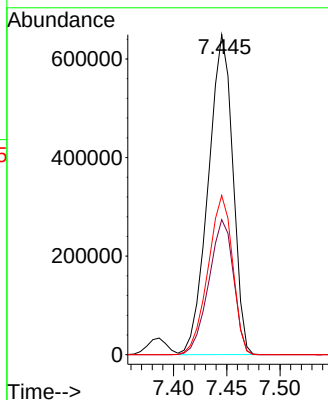
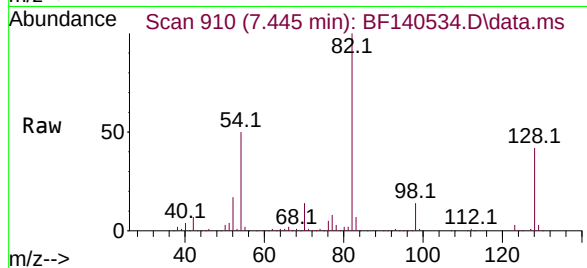
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1043537

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.0	49.4
54	49.7	39.5	59.3



#24

Nitrobenzene

Concen: 58.030 ng

RT: 7.463 min Scan# 913

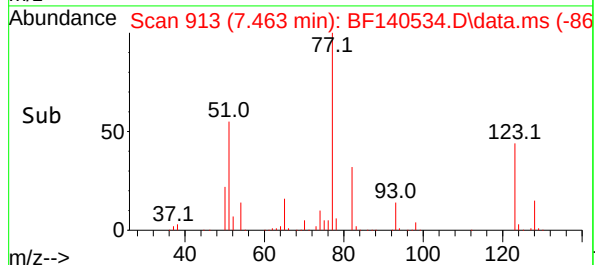
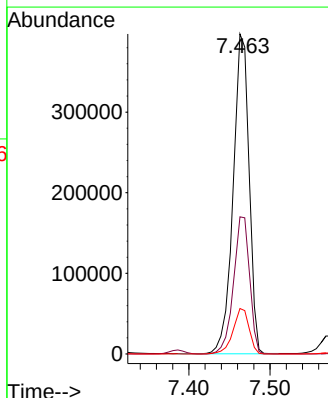
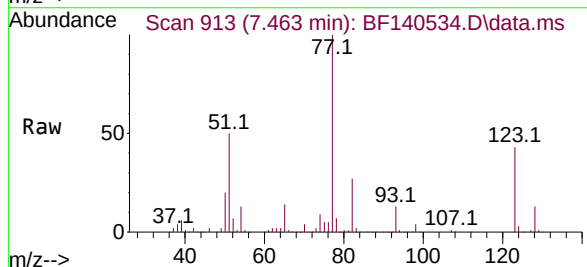
Delta R.T. 0.006 min

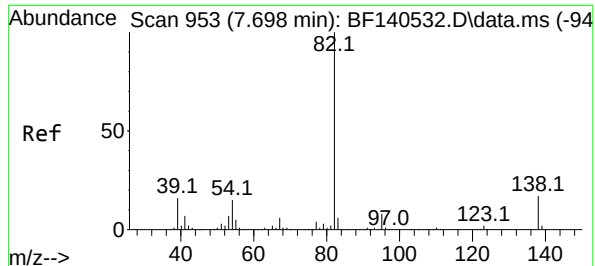
Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion: 77 Resp: 540526

Ion	Ratio	Lower	Upper
77	100		
123	42.9	34.3	51.5
65	14.2	11.2	16.8

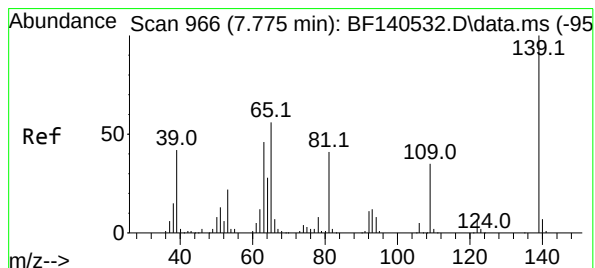
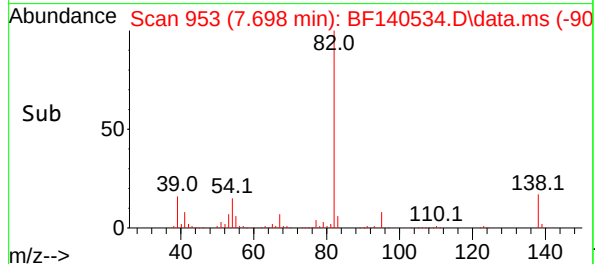
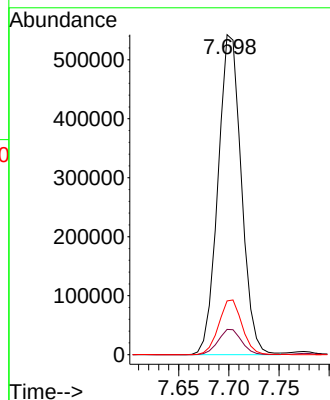
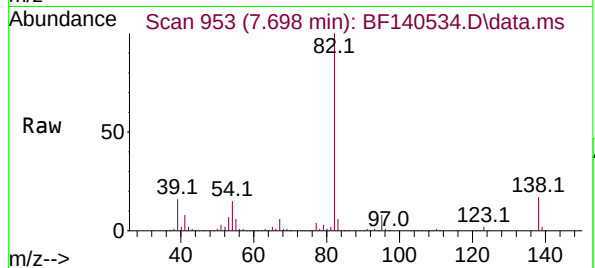




#25
Isophorone
Concen: 58.340 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

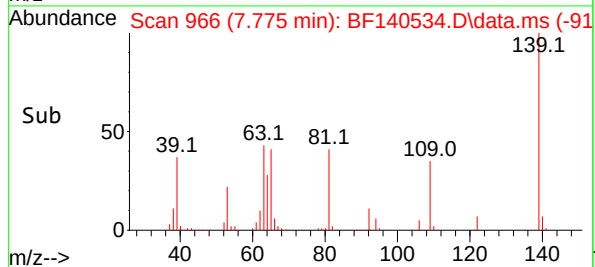
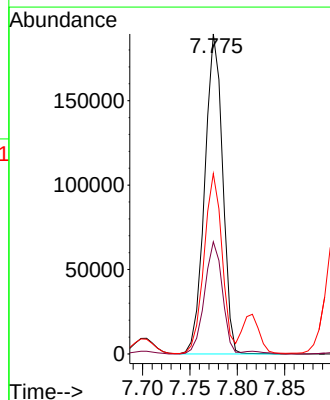
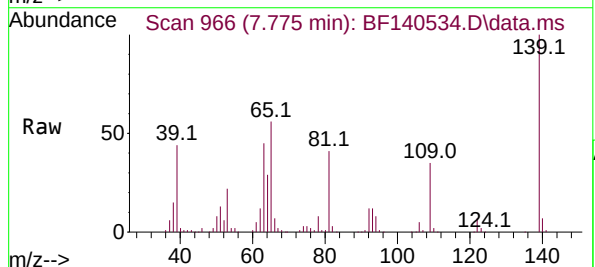
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

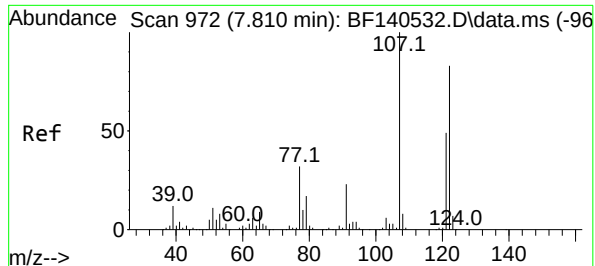
Tgt Ion: 82 Resp: 876972
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 16.8 13.8 20.6



#26
2-Nitrophenol
Concen: 60.355 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion: 139 Resp: 249133
Ion Ratio Lower Upper
139 100
109 35.0 28.0 42.0
65 56.4 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 57.873 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

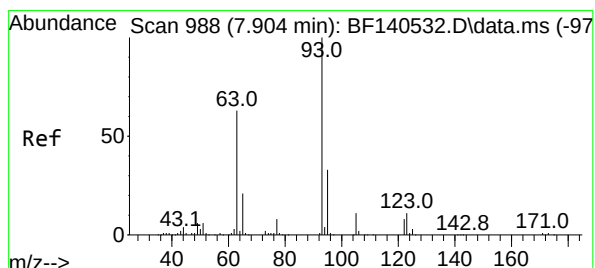
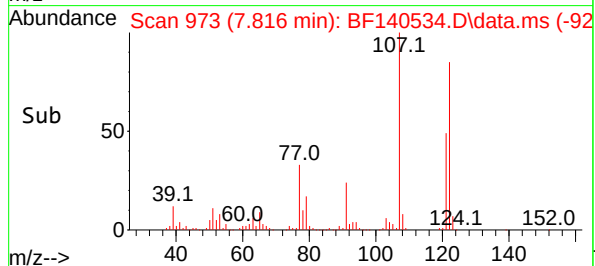
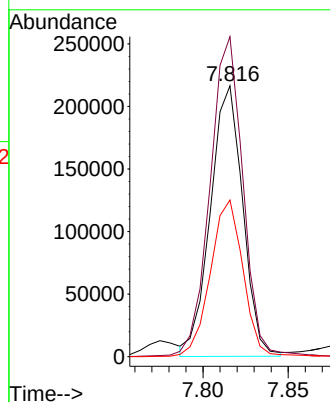
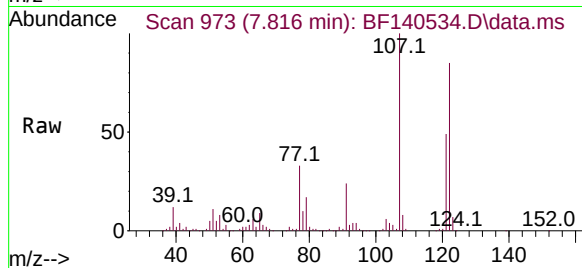
Tgt Ion:122 Resp: 285825

Ion Ratio Lower Upper

122 100

107 118.1 96.8 145.2

121 57.8 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 58.008 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

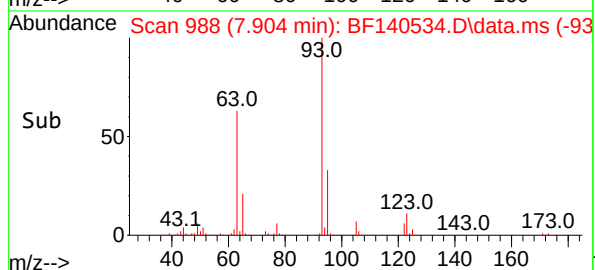
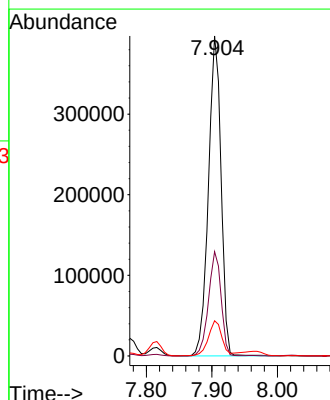
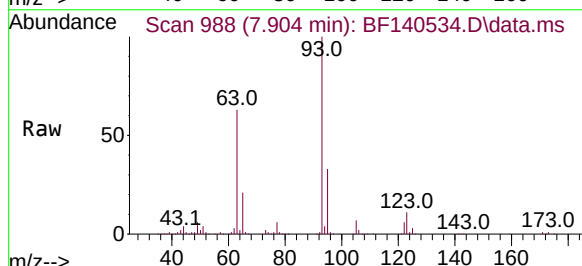
Tgt Ion: 93 Resp: 531210

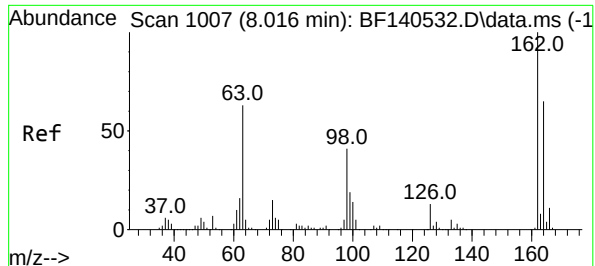
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 57.925 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

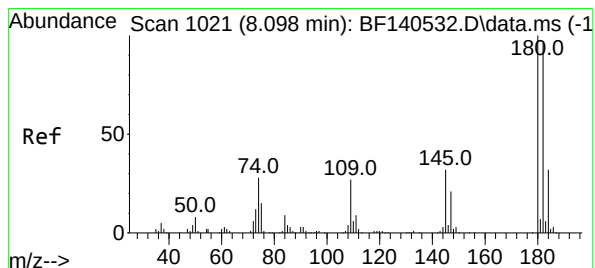
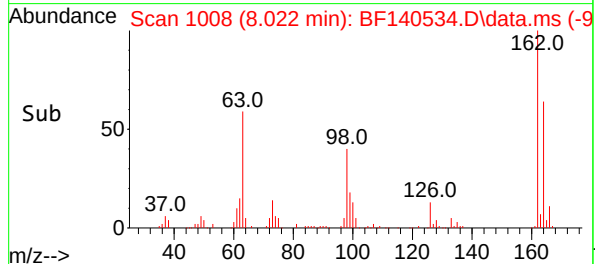
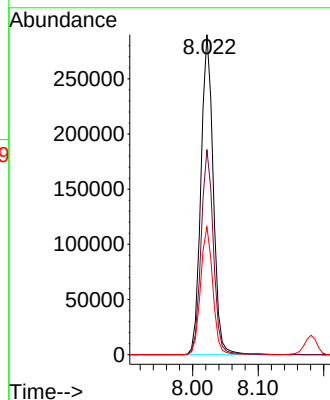
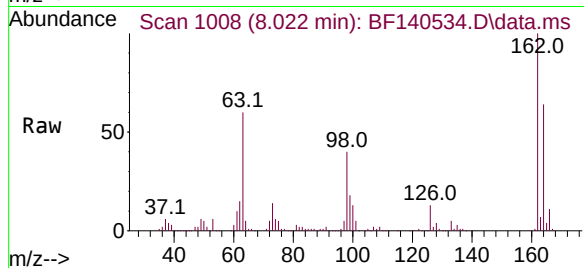
Tgt Ion:162 Resp: 379082

Ion Ratio Lower Upper

162 100

164 64.1 44.8 84.8

98 39.9 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 57.787 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

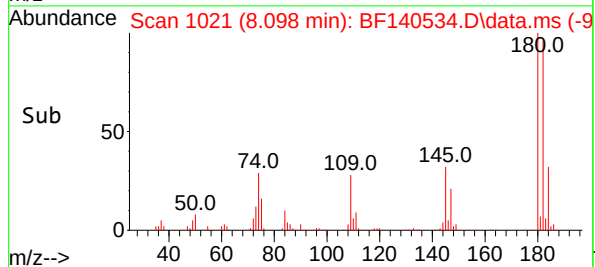
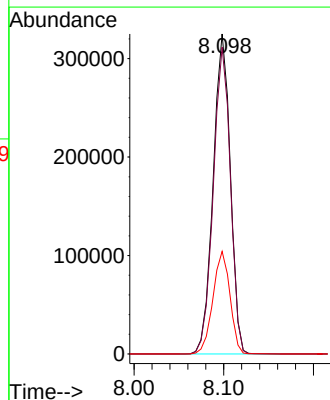
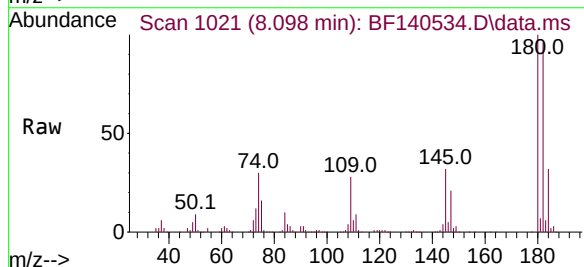
Tgt Ion:180 Resp: 431792

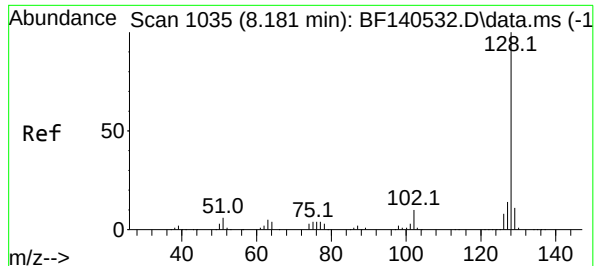
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 32.1 25.9 38.9





#31

Naphthalene

Concen: 57.265 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

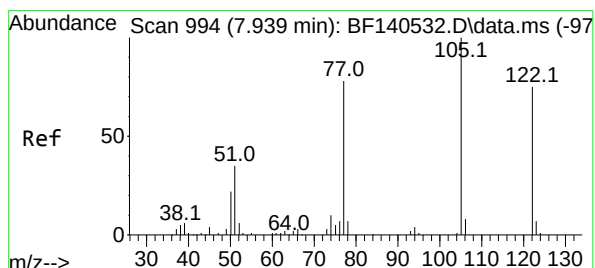
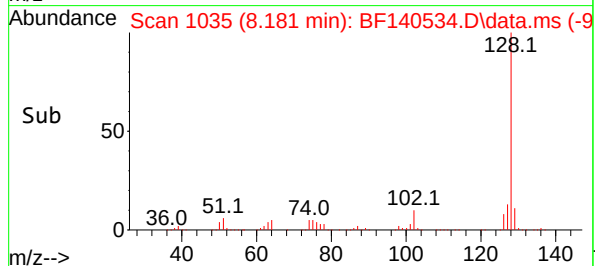
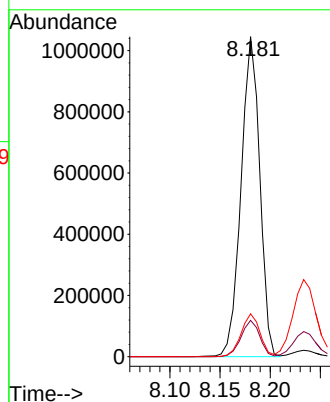
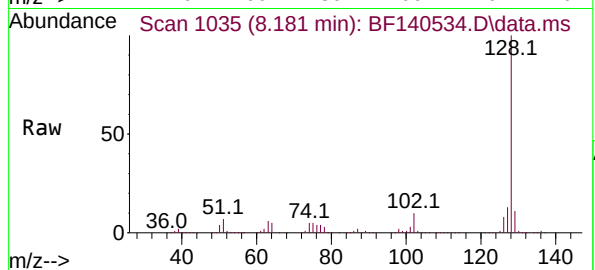
Tgt Ion:128 Resp: 1359743

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 59.698 ng

RT: 7.969 min Scan# 999

Delta R.T. 0.030 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

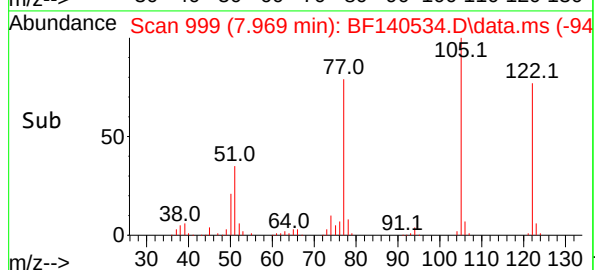
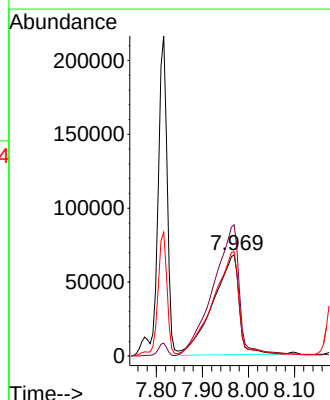
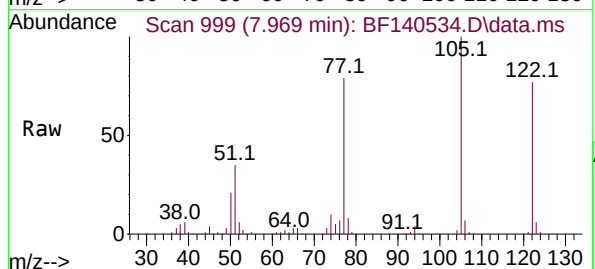
Tgt Ion:122 Resp: 265434

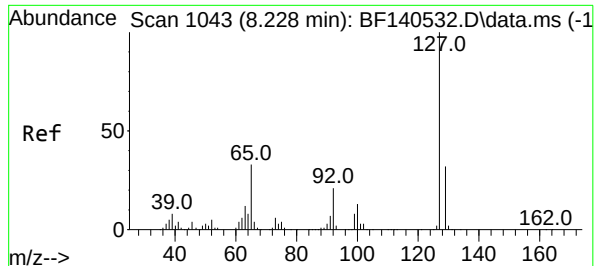
Ion Ratio Lower Upper

122 100

105 129.8 109.3 149.3

77 103.0 82.3 122.3





#33

4-Chloroaniline

Concen: 59.831 ng

RT: 8.233 min Scan# 1044

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 425356

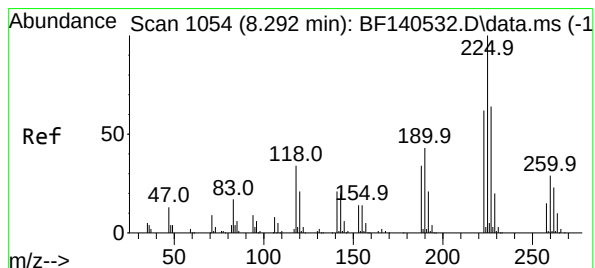
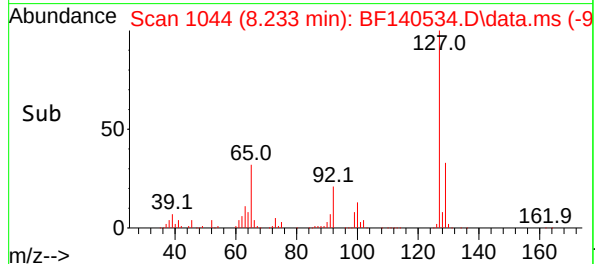
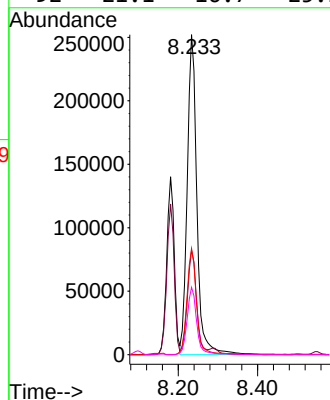
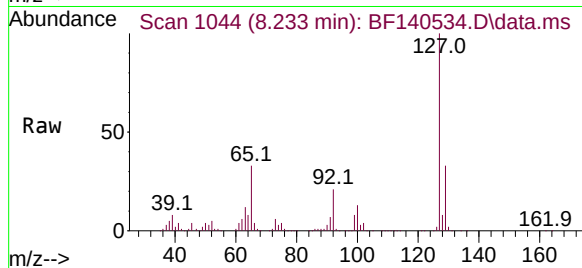
Ion Ratio Lower Upper

127 100

129 32.7 26.0 39.0

65 33.2 26.0 39.0

92 21.1 16.7 25.1



#34

Hexachlorobutadiene

Concen: 57.911 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

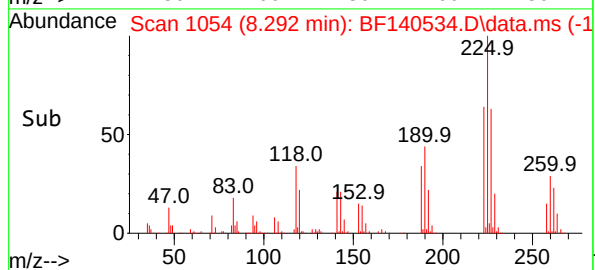
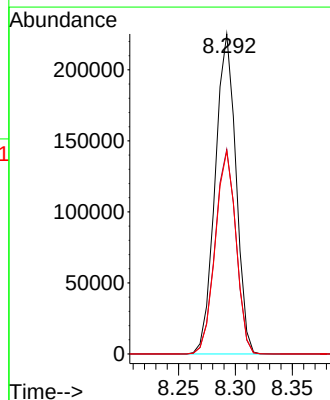
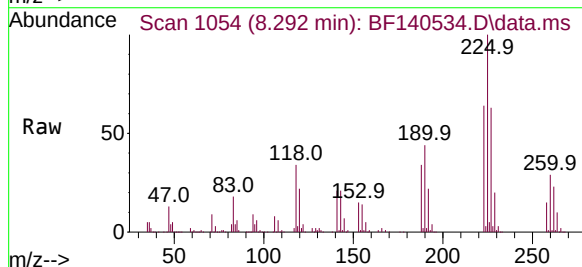
Tgt Ion:225 Resp: 286614

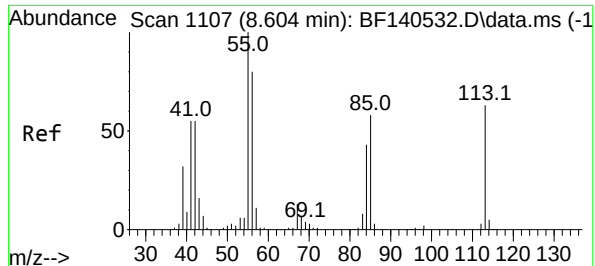
Ion Ratio Lower Upper

225 100

223 63.9 49.8 74.8

227 63.4 51.3 76.9

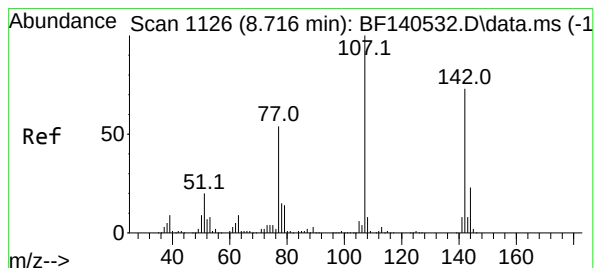
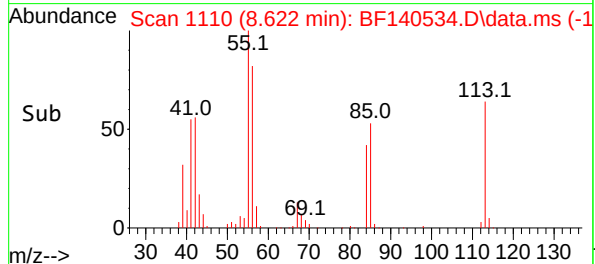
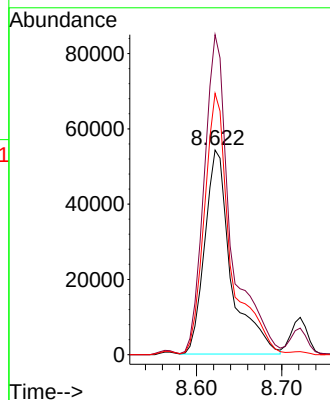
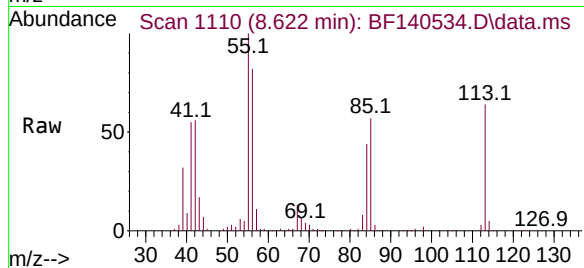




#35
Caprolactam
Concen: 57.943 ng
RT: 8.622 min Scan# 1110
Delta R.T. 0.018 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

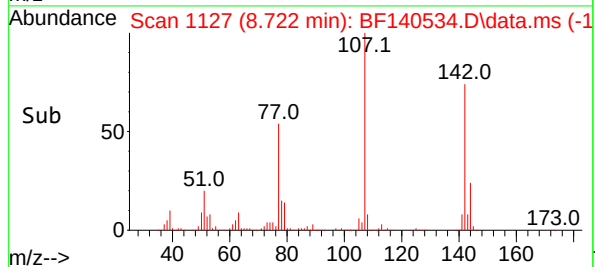
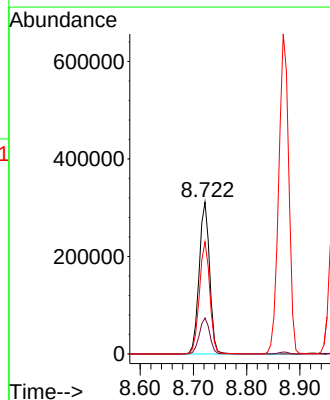
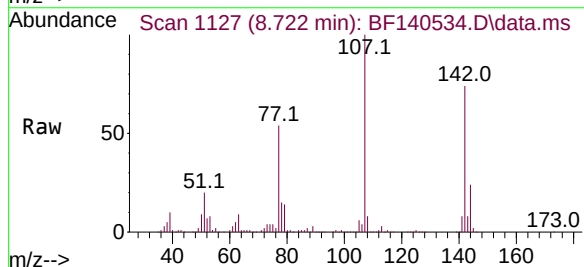
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

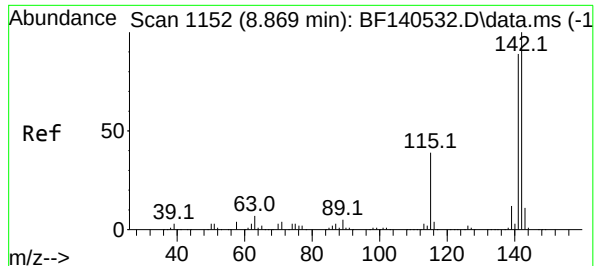
Tgt Ion:113 Resp: 117351
Ion Ratio Lower Upper
113 100
55 156.4 137.7 177.7
56 127.7 106.4 146.4



#36
4-Chloro-3-methylphenol
Concen: 57.938 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:107 Resp: 424528
Ion Ratio Lower Upper
107 100
144 23.7 18.7 28.1
142 73.8 58.3 87.5





#37

2-Methylnaphthalene

Concen: 56.857 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

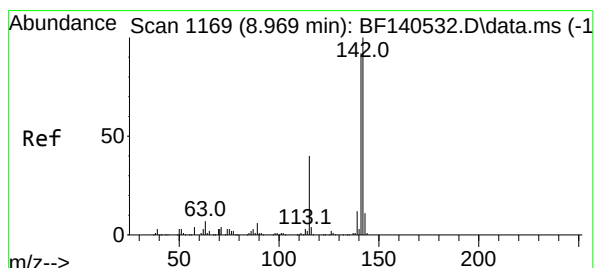
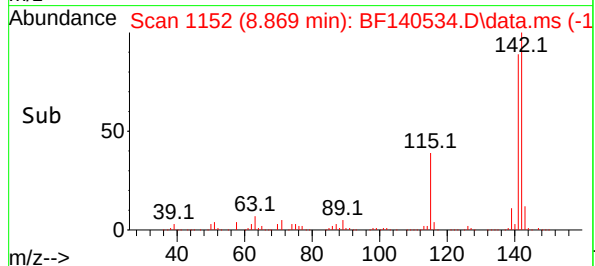
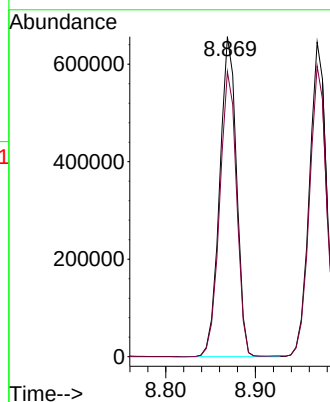
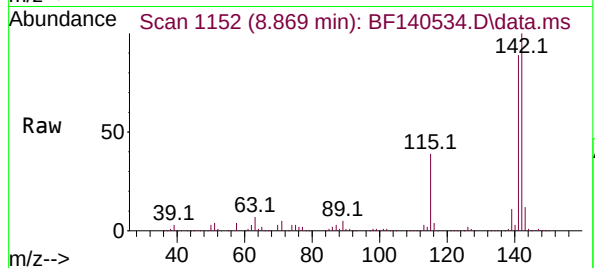
SSTDICC060

Tgt Ion:142 Resp: 857509

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6



#38

1-Methylnaphthalene

Concen: 56.925 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF140534.D

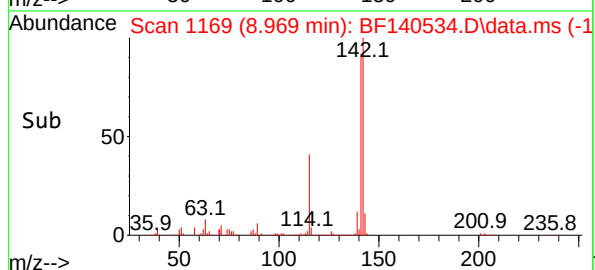
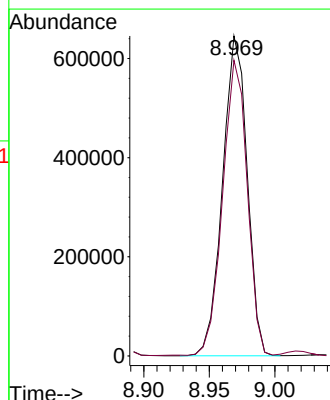
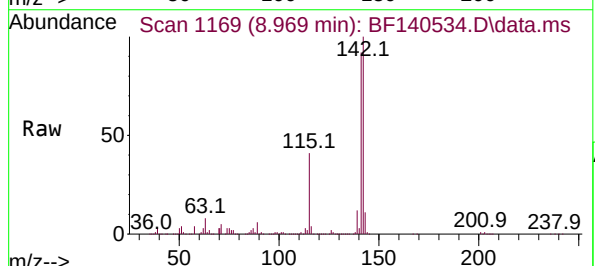
Acq: 21 Nov 2024 13:51

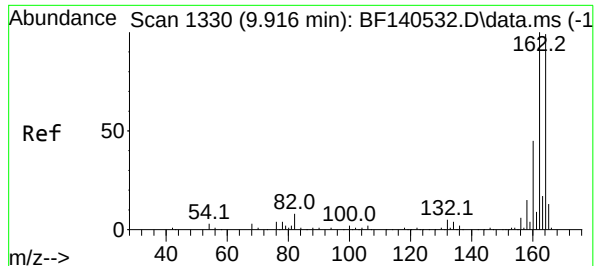
Tgt Ion:142 Resp: 841528

Ion Ratio Lower Upper

142 100

141 92.4 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

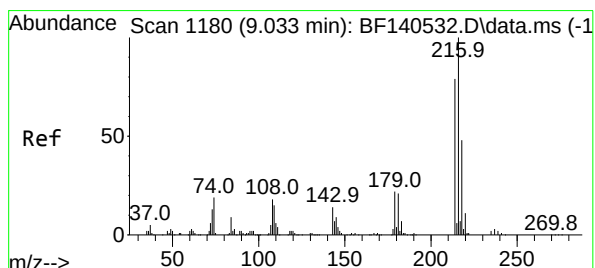
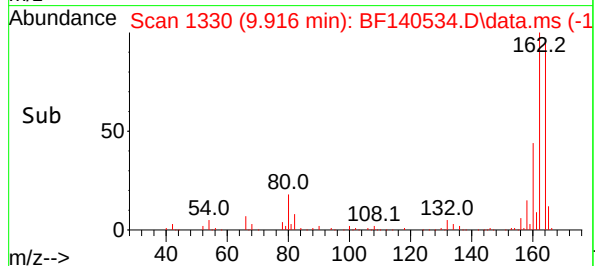
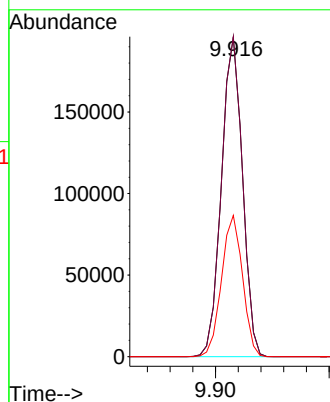
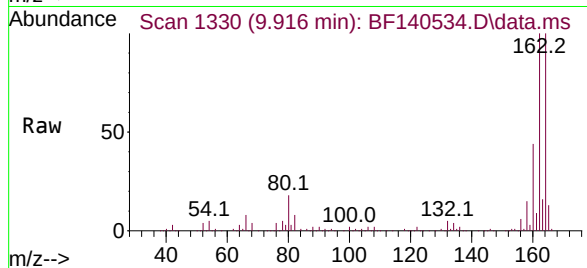
Tgt Ion:164 Resp: 252108

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

160 44.3 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.878 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion:216 Resp: 427164

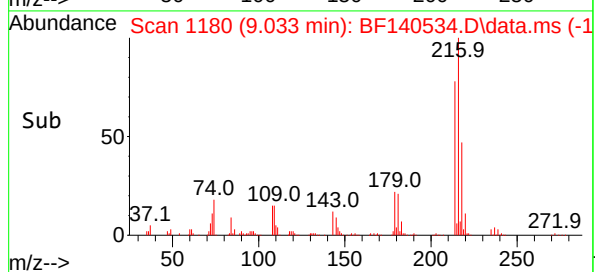
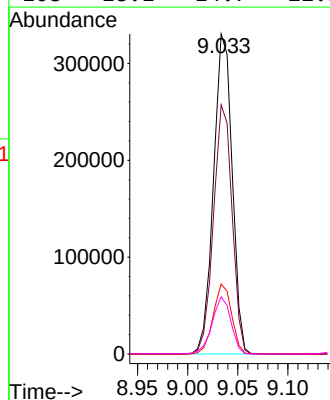
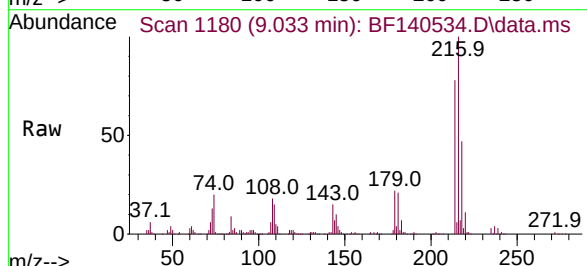
Ion Ratio Lower Upper

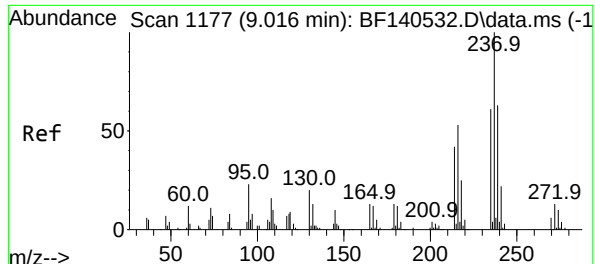
216 100

214 77.6 63.0 94.4

179 21.5 17.5 26.3

108 18.1 14.7 22.1

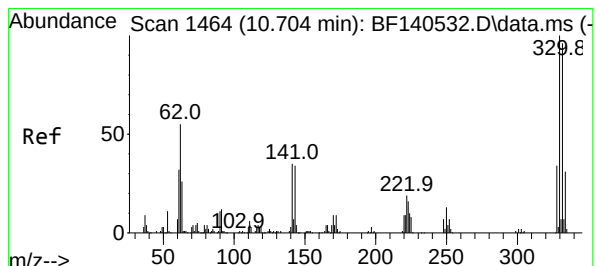
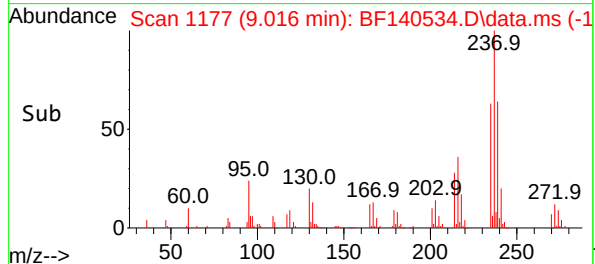
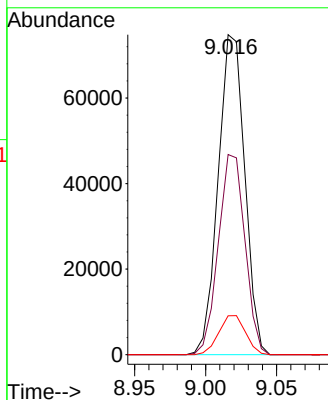
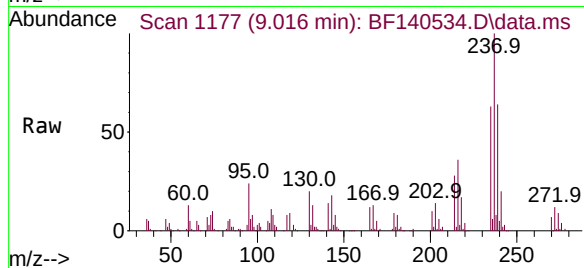




#41
Hexachlorocyclopentadiene
Concen: 60.727 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

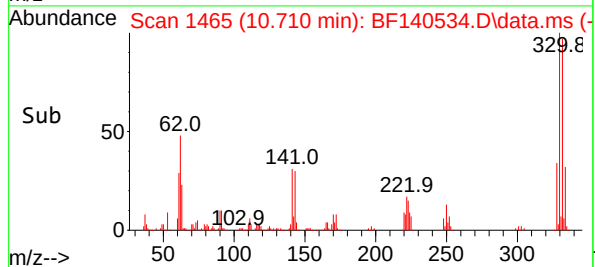
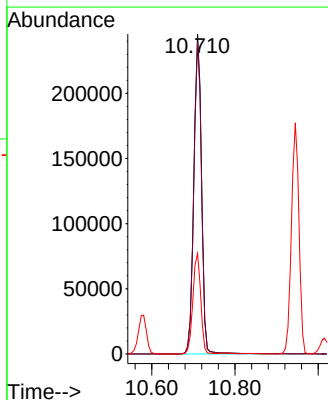
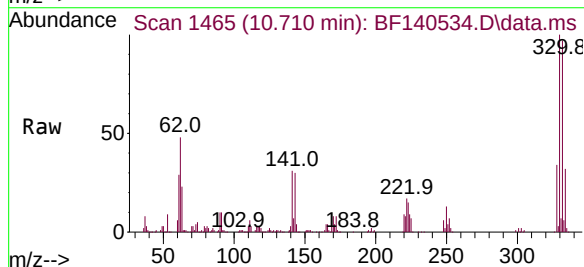
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

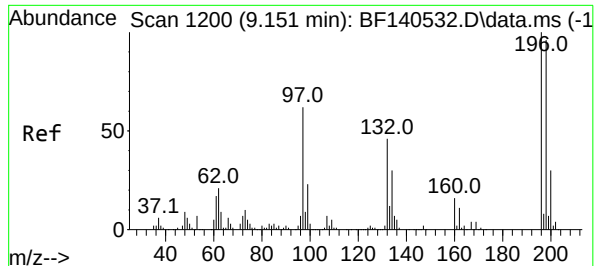
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.1	81.1
272	12.1	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 117.756 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	31.7	26.7	40.1





#43

2,4,6-Trichlorophenol

Concen: 58.819 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

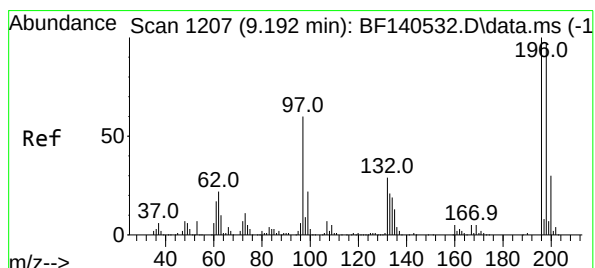
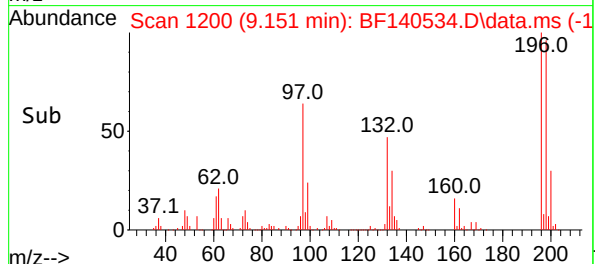
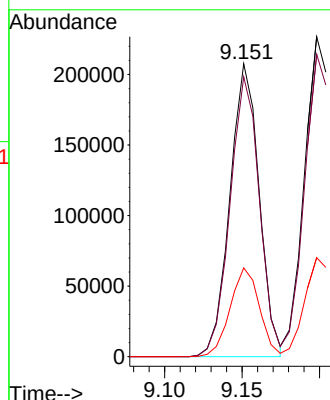
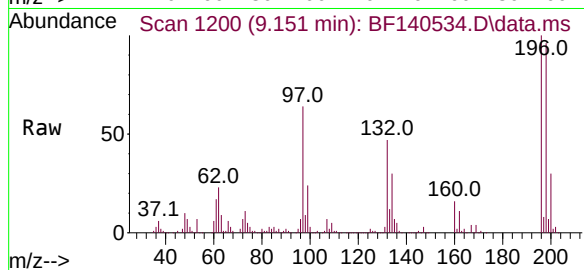
Tgt Ion:196 Resp: 272399

Ion Ratio Lower Upper

196 100

198 95.6 76.8 115.2

200 30.3 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 59.694 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Tgt Ion:196 Resp: 300029

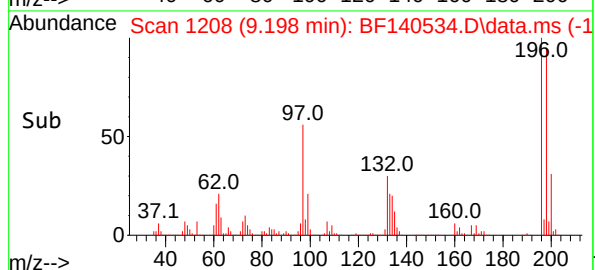
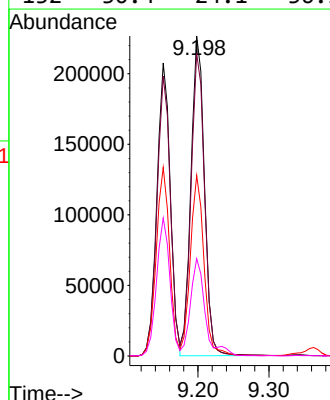
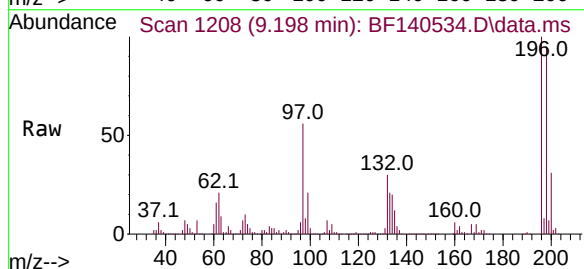
Ion Ratio Lower Upper

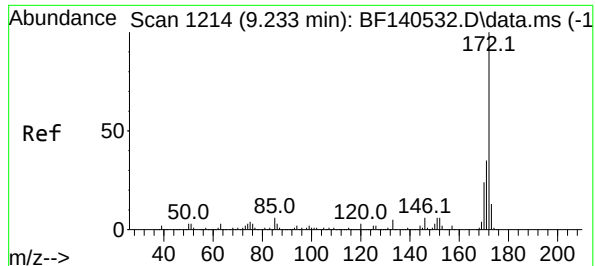
196 100

198 94.5 77.2 115.8

97 56.4 47.1 70.7

132 30.4 24.1 36.1

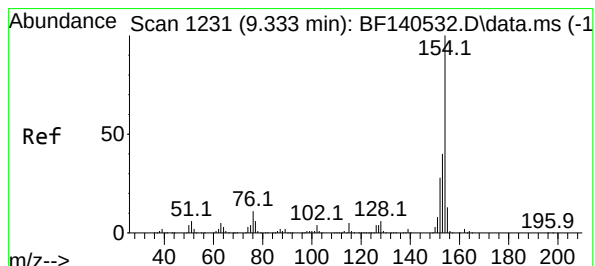
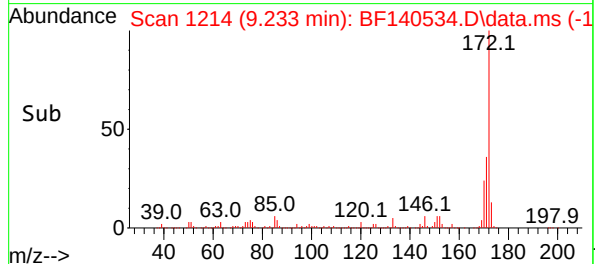
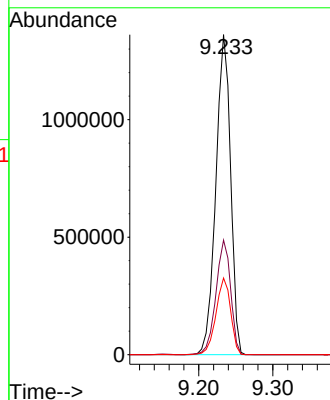
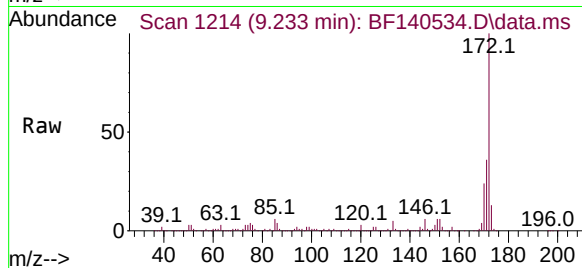




#45
2-Fluorobiphenyl
Concen: 110.815 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

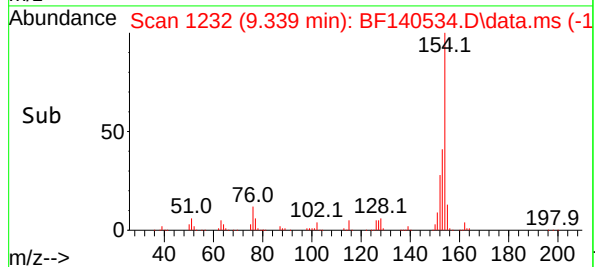
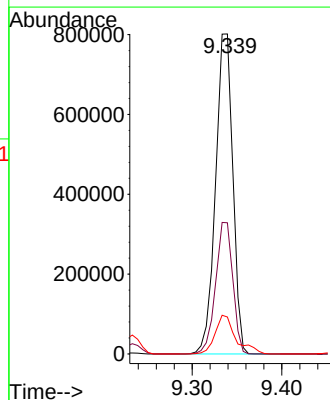
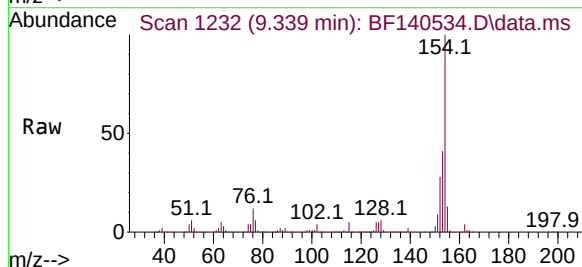
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

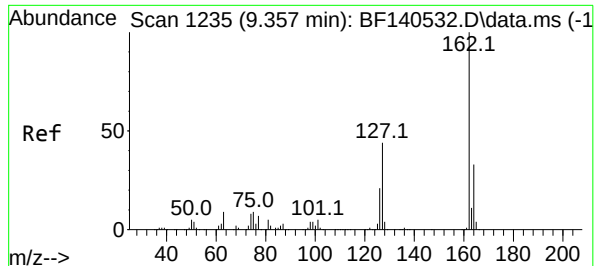
Tgt Ion:172 Resp: 1875064
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.0 19.0 28.6



#46
1,1'-Biphenyl
Concen: 56.978 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:154 Resp: 1072474
Ion Ratio Lower Upper
154 100
153 41.0 20.4 60.4
76 11.5 0.0 31.2





#47

2-Chloronaphthalene

Concen: 57.492 ng

RT: 9.363 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

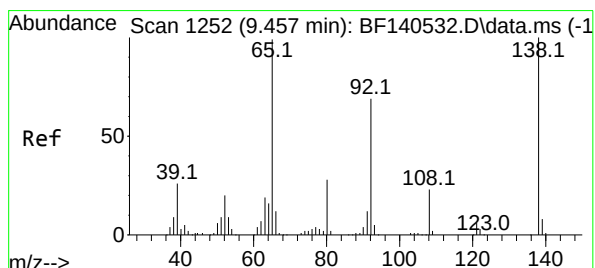
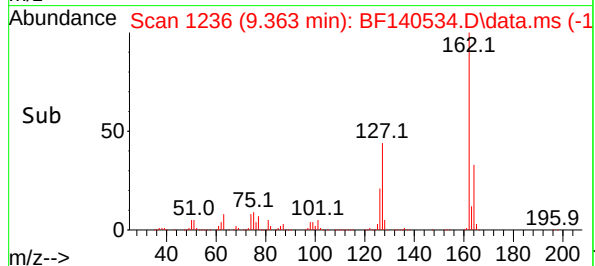
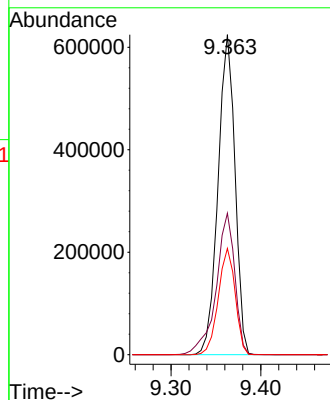
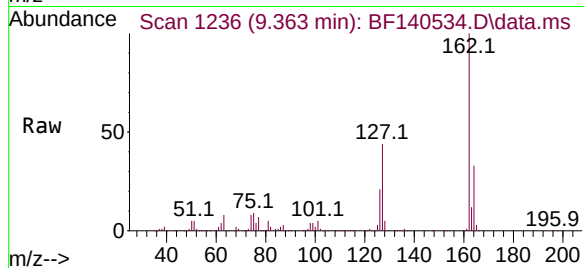
Tgt Ion:162 Resp: 819966

Ion Ratio Lower Upper

162 100

127 44.2 35.7 53.5

164 33.2 26.1 39.1



#48

2-Nitroaniline

Concen: 58.938 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

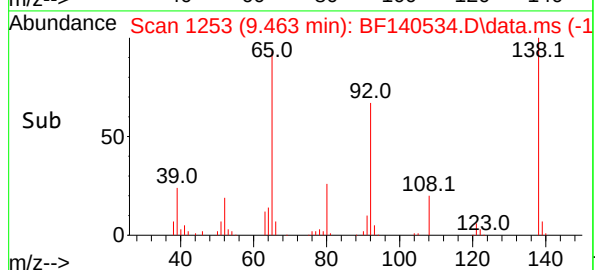
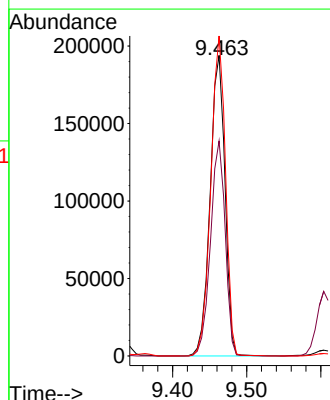
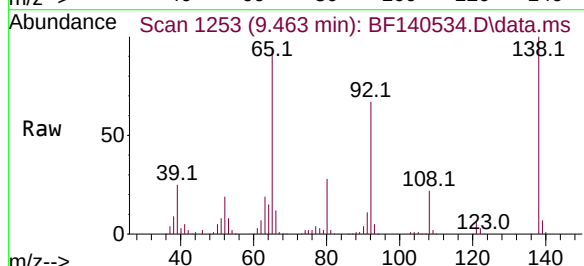
Tgt Ion: 65 Resp: 269813

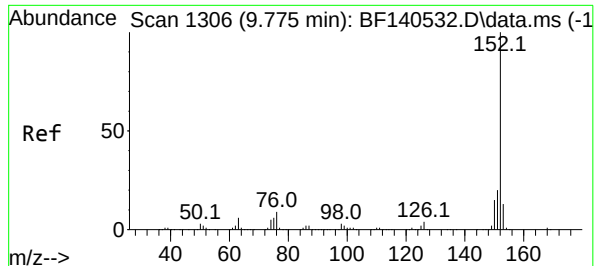
Ion Ratio Lower Upper

65 100

92 71.5 56.1 84.1

138 106.4 81.0 121.6





#49

Acenaphthylene

Concen: 56.965 ng

RT: 9.780 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

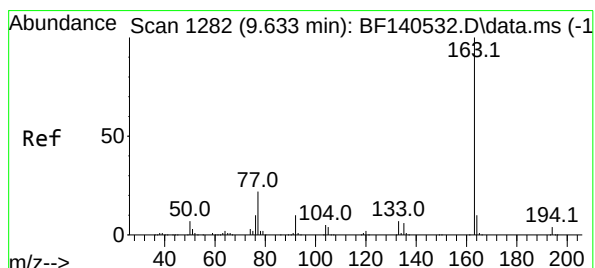
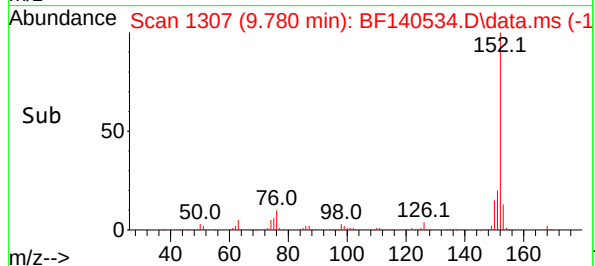
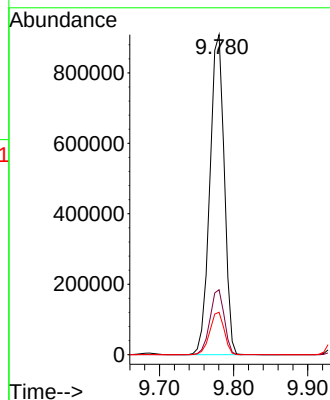
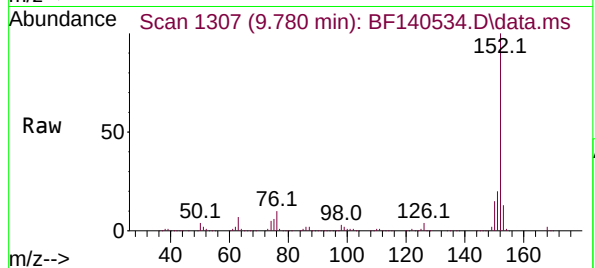
Tgt Ion:152 Resp: 1227568

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 57.854 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

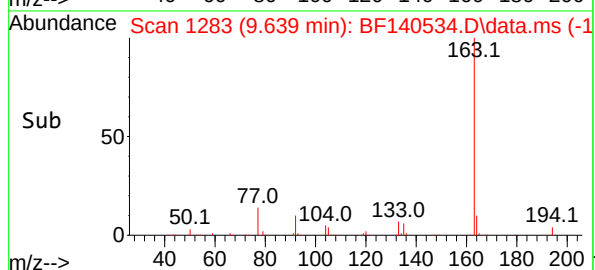
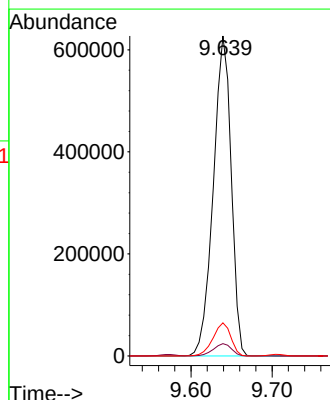
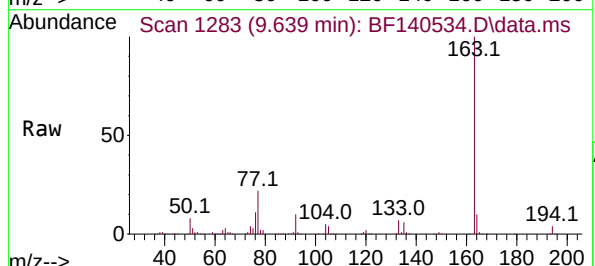
Tgt Ion:163 Resp: 960589

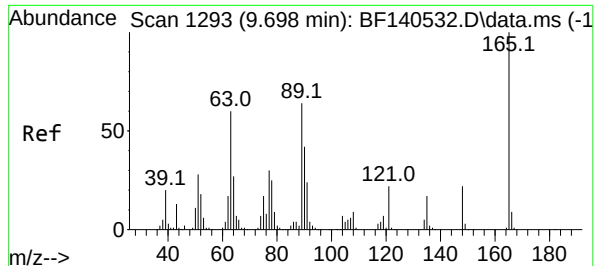
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 58.802 ng

RT: 9.704 min Scan# 1293

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

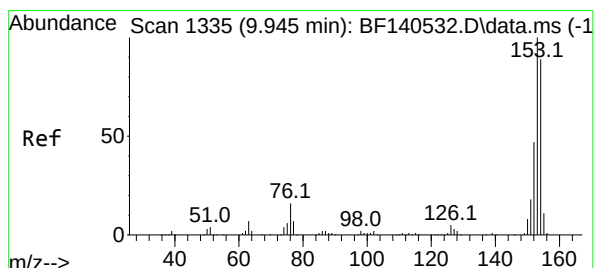
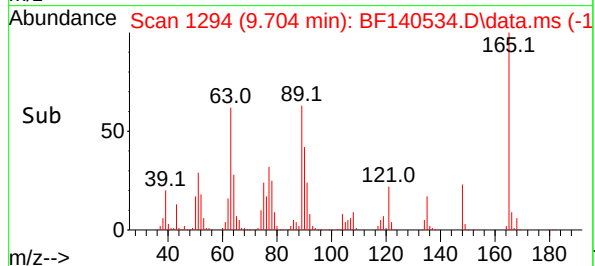
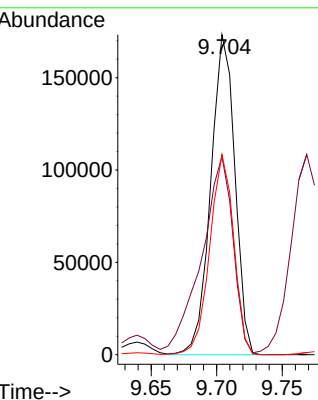
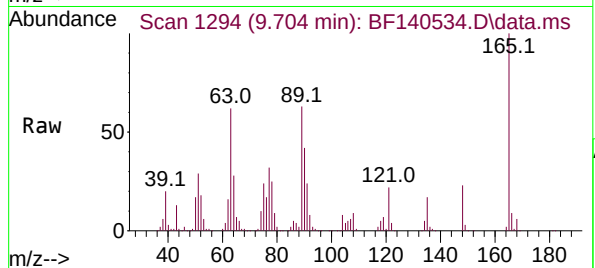
Tgt Ion:165 Resp: 221428

Ion Ratio Lower Upper

165 100

63 62.0 49.9 74.9

89 62.5 50.9 76.3



#52

Acenaphthene

Concen: 56.194 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

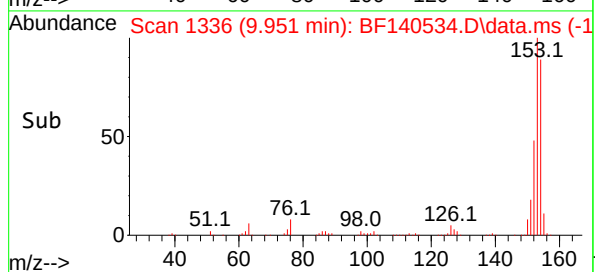
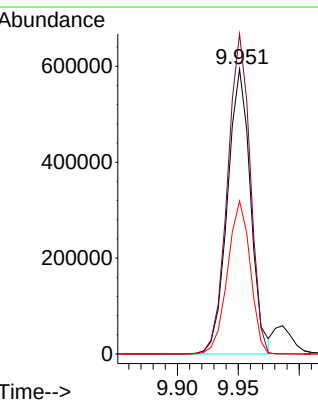
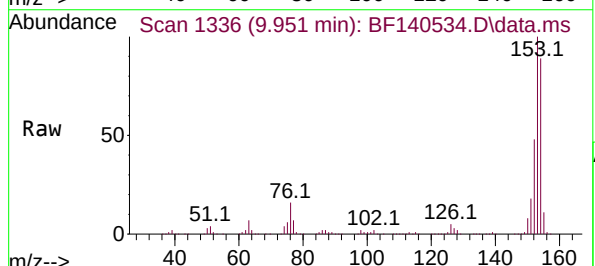
Tgt Ion:154 Resp: 784102

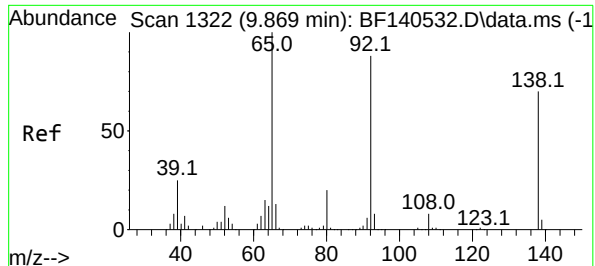
Ion Ratio Lower Upper

154 100

153 112.4 89.7 134.5

152 53.7 42.5 63.7

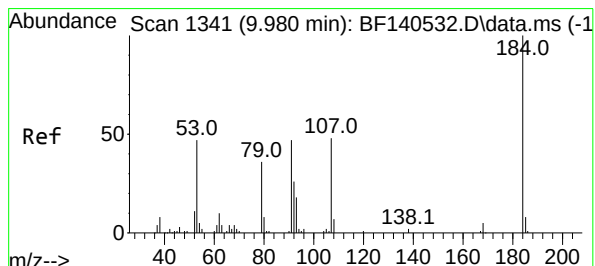
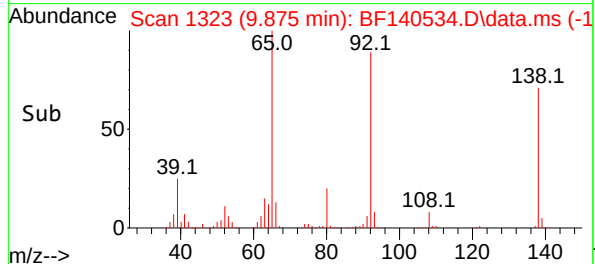
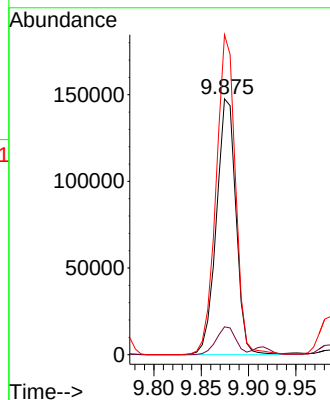
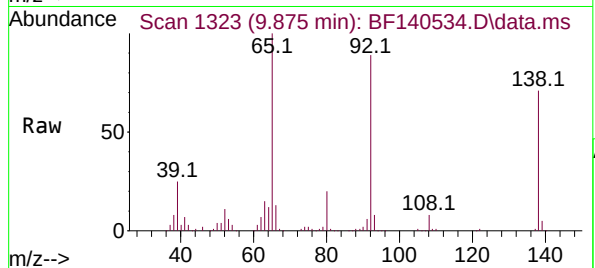




#53
3-Nitroaniline
Concen: 57.607 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

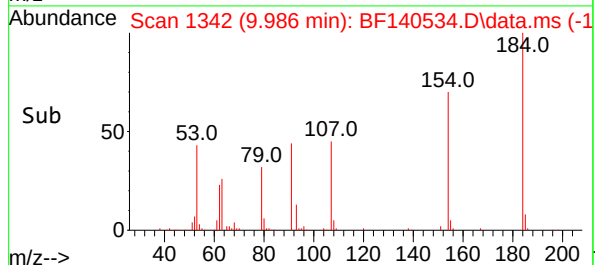
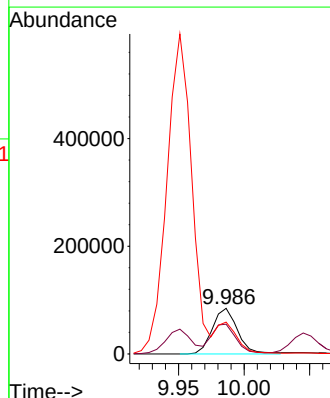
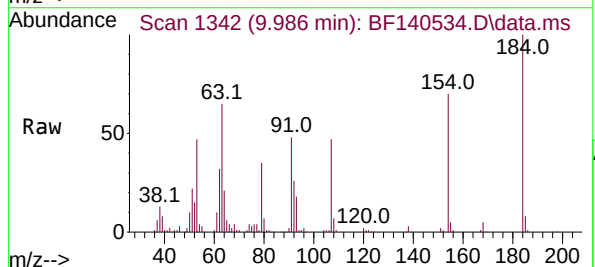
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

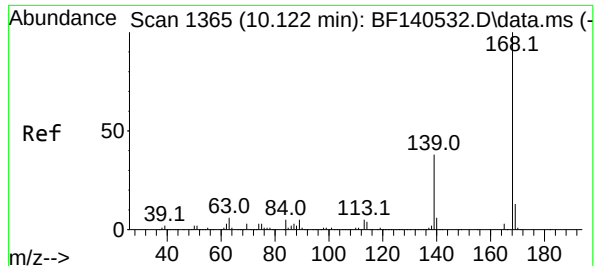
Tgt Ion:138 Resp: 212165
Ion Ratio Lower Upper
138 100
108 10.9 9.2 13.8
92 125.1 100.6 150.8



#54
2,4-Dinitrophenol
Concen: 60.328 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:184 Resp: 113495
Ion Ratio Lower Upper
184 100
63 65.3 54.1 81.1
154 69.8 57.4 86.0





#55

Dibenzenofuran

Concen: 55.459 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

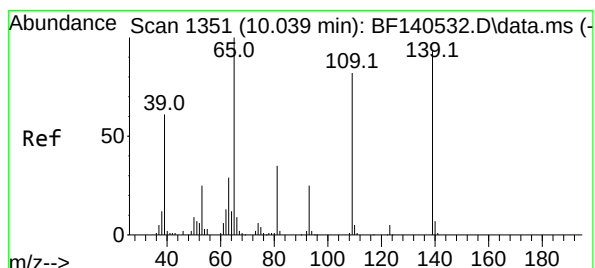
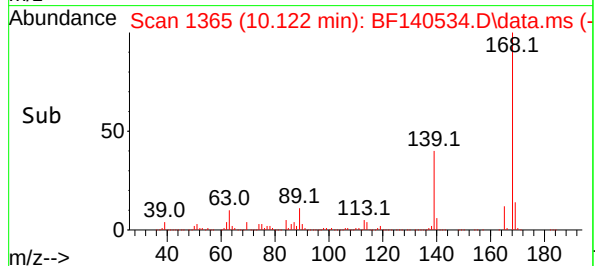
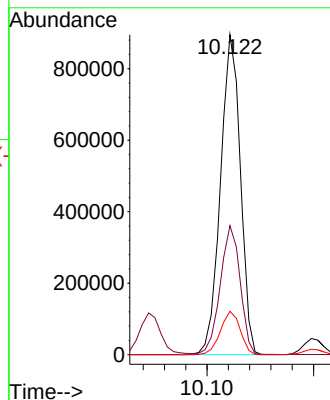
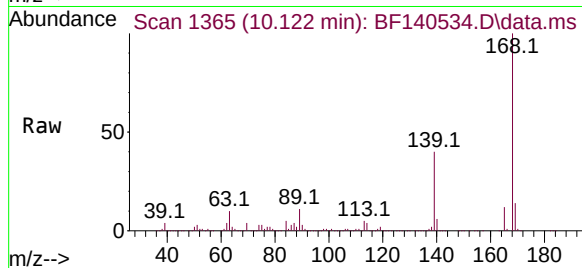
Tgt Ion:168 Resp: 1158263

Ion Ratio Lower Upper

168 100

139 40.3 31.3 46.9

169 13.5 10.5 15.7



#56

4-Nitrophenol

Concen: 64.410 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

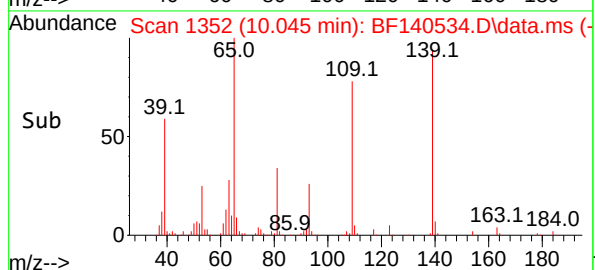
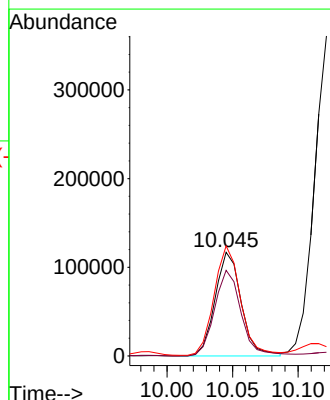
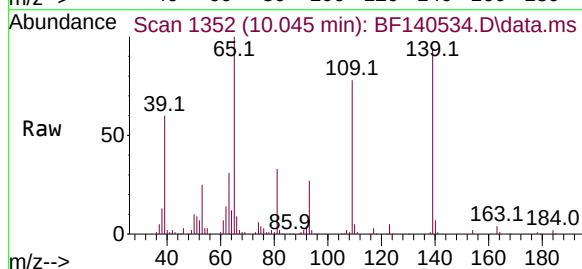
Tgt Ion:139 Resp: 161782

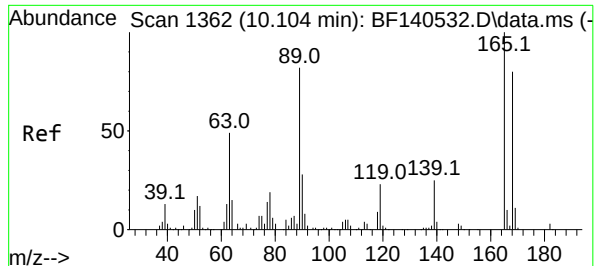
Ion Ratio Lower Upper

139 100

109 82.6 68.4 108.4

65 106.2 88.6 128.6

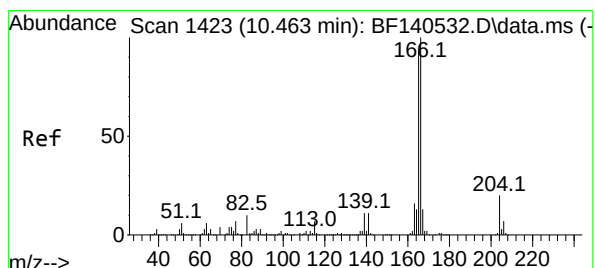
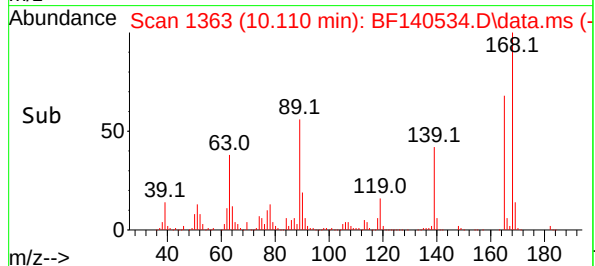
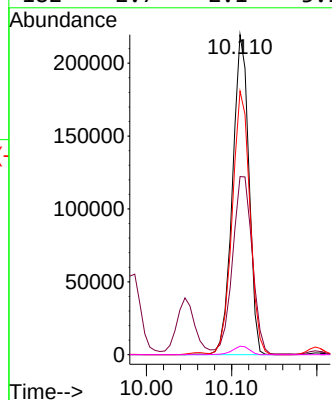
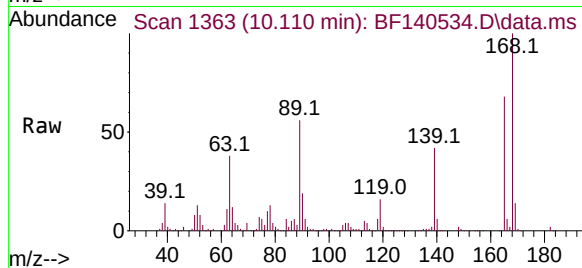




#57
2,4-Dinitrotoluene
Concen: 58.735 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

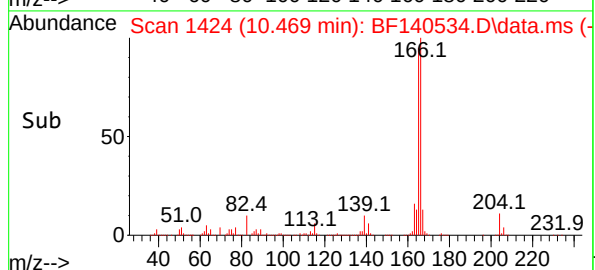
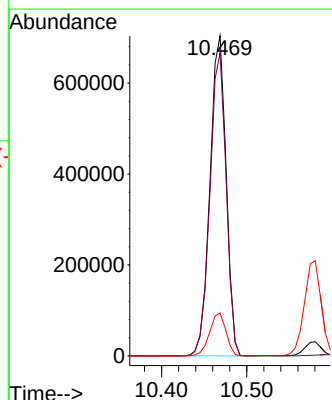
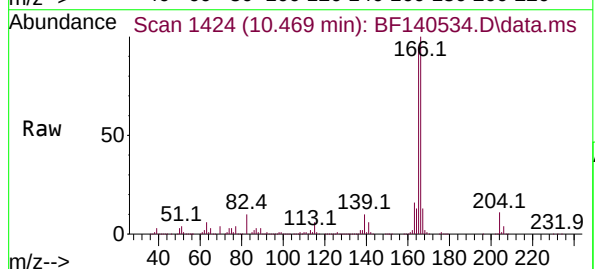
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

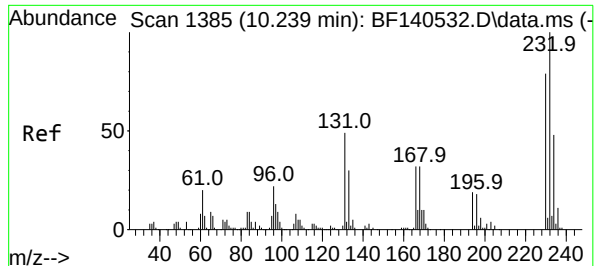
Tgt Ion:165 Resp: 293950
Ion Ratio Lower Upper
165 100
63 55.7 41.7 62.5
89 82.4 65.8 98.8
182 2.7 2.1 3.1



#58
Fluorene
Concen: 55.218 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:166 Resp: 925678
Ion Ratio Lower Upper
166 100
165 94.7 74.6 111.8
167 13.4 10.6 16.0

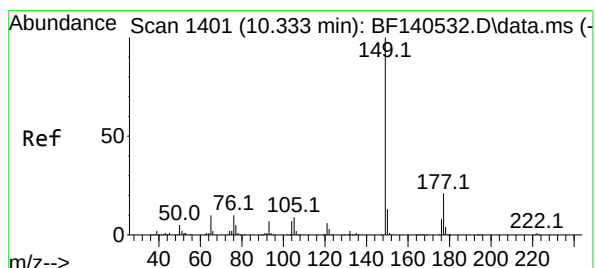
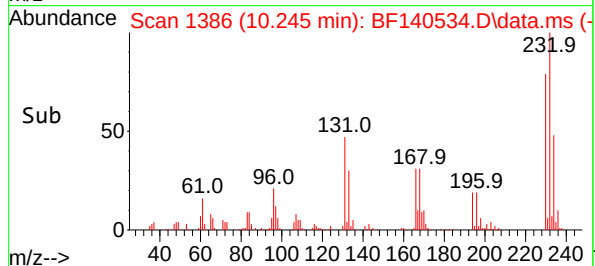
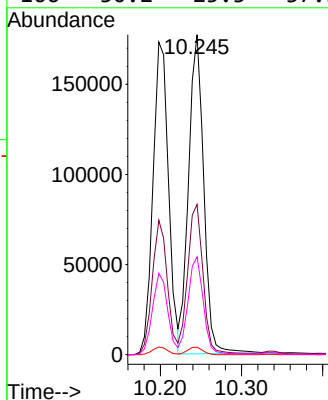
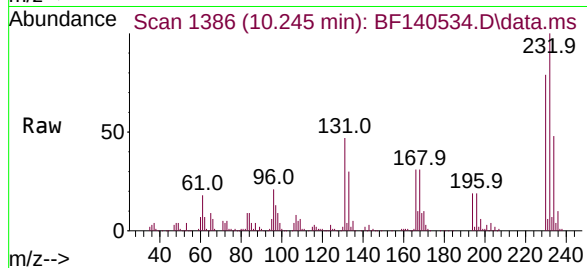




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.746 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

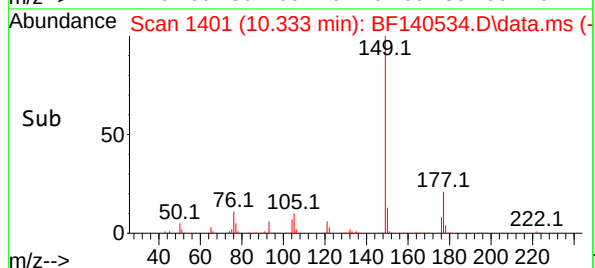
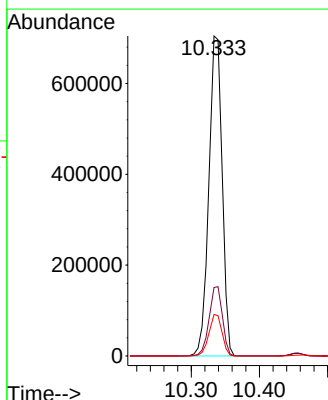
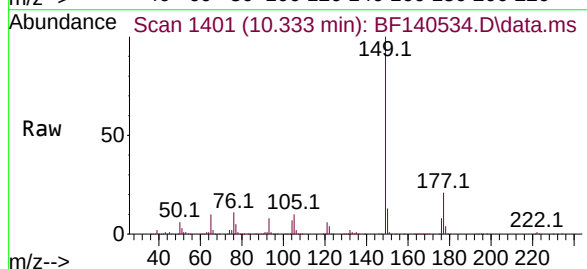
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

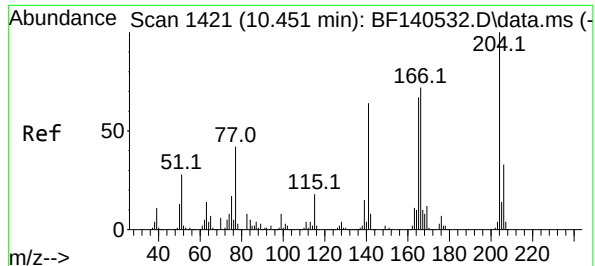
Tgt Ion:232 Resp: 230786
Ion Ratio Lower Upper
232 100
131 47.5 39.6 59.4
130 2.4 1.9 2.9
166 30.2 25.3 37.9



#60
Diethylphthalate
Concen: 56.869 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:149 Resp: 959366
Ion Ratio Lower Upper
149 100
177 21.4 17.1 25.7
150 12.9 10.1 15.1

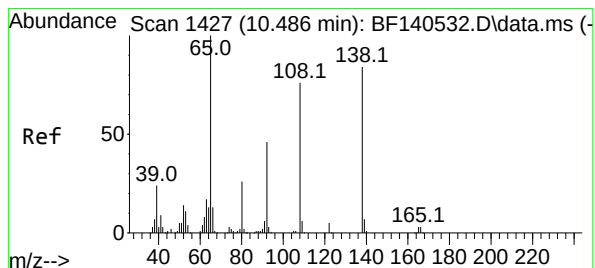
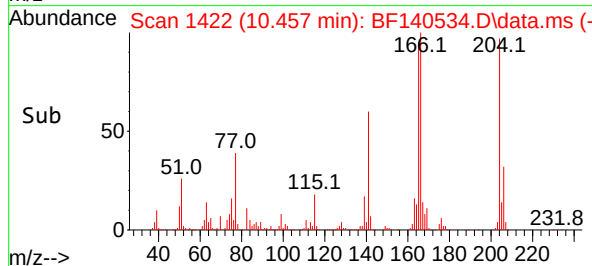
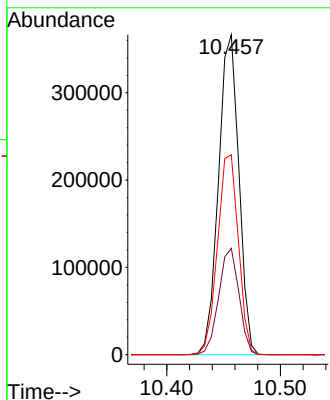
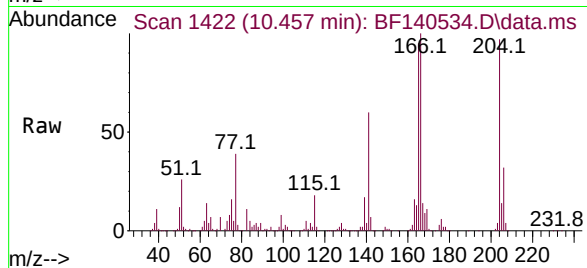




#61
4-Chlorophenyl-phenylether
Concen: 55.641 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

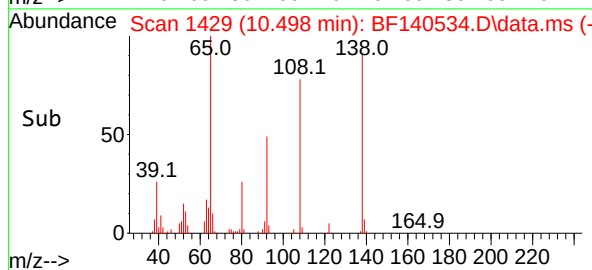
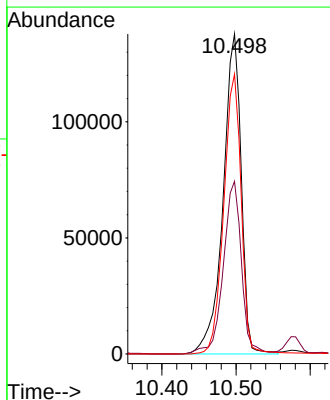
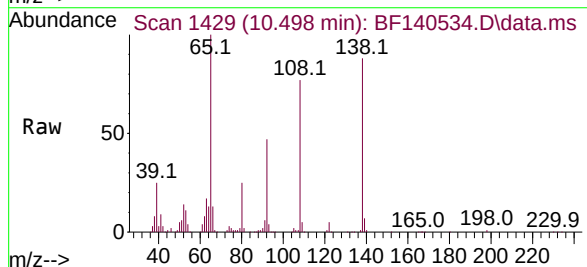
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

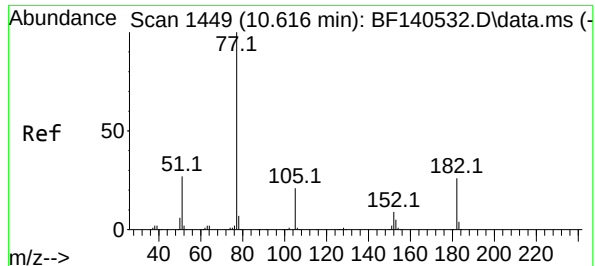
Tgt Ion:204 Resp: 457757
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 62.4 51.1 76.7



#62
4-Nitroaniline
Concen: 60.547 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:138 Resp: 233877
Ion Ratio Lower Upper
138 100
92 54.0 34.5 74.5
108 87.5 70.6 110.6

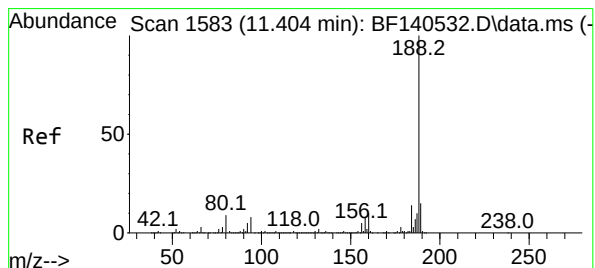
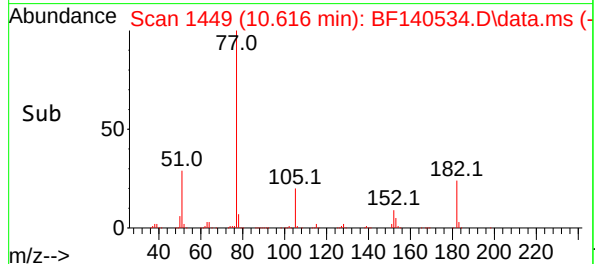
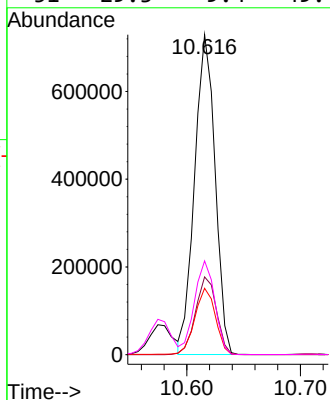
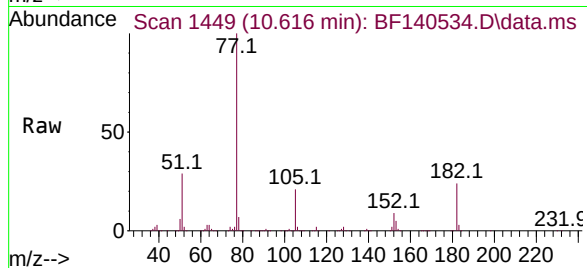




#63
Azobenzene
Concen: 57.097 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

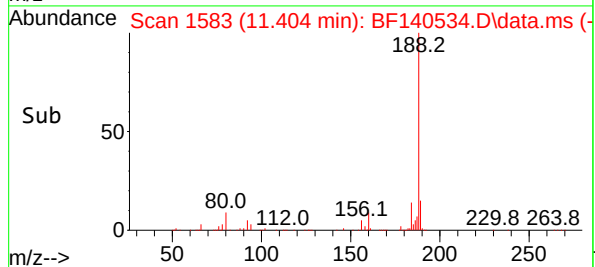
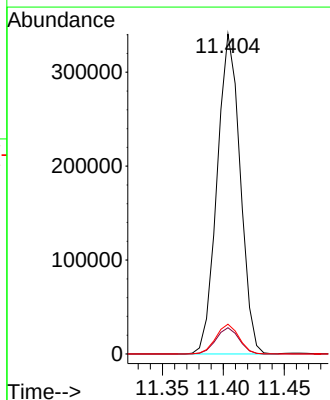
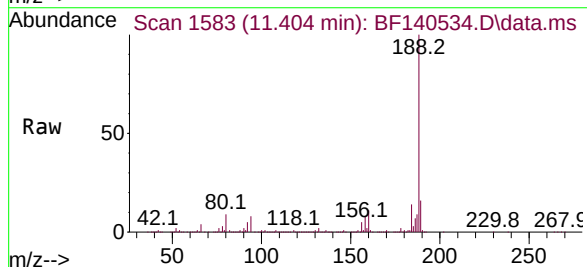
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

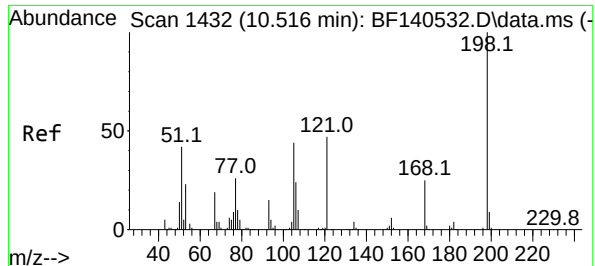
Tgt Ion:	77	Resp:	912145
Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.3	45.3
105	20.8	0.3	40.3
51	29.3	9.4	49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:	188	Resp:	449876
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.4	9.6
80	9.3	6.9	10.3

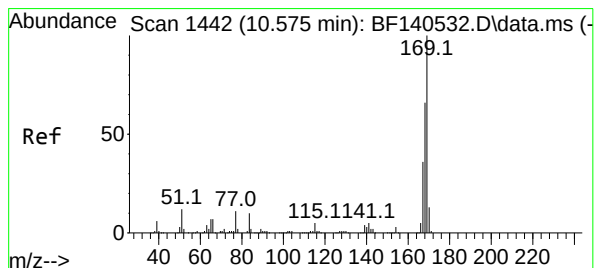
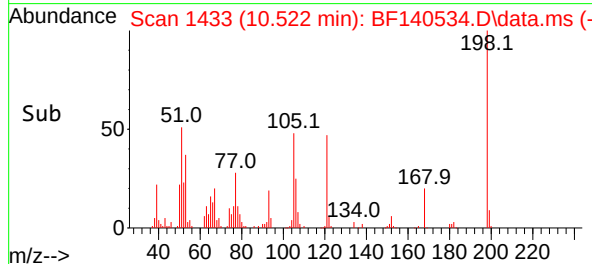
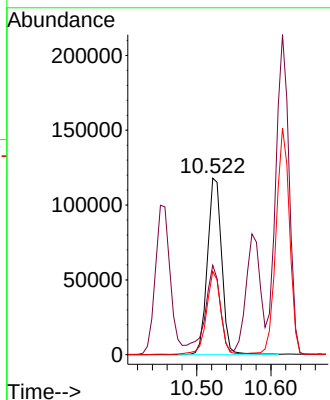
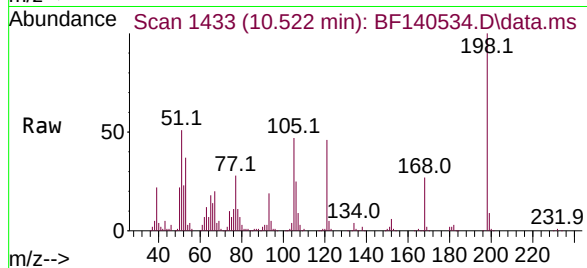




#65
4,6-Dinitro-2-methylphenol
Concen: 68.815 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

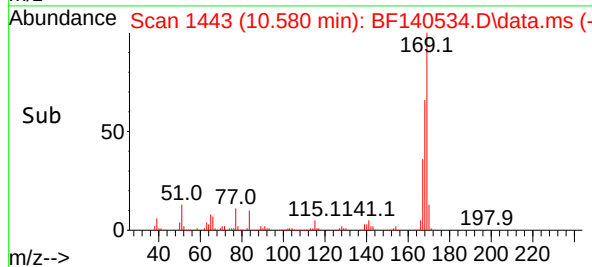
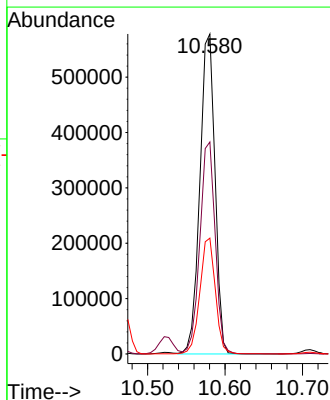
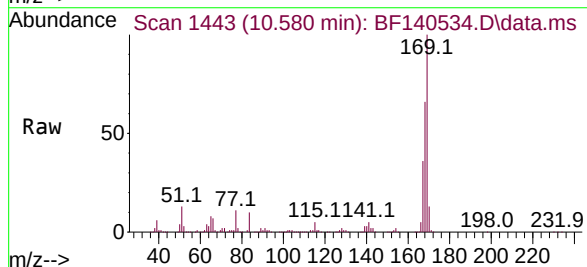
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

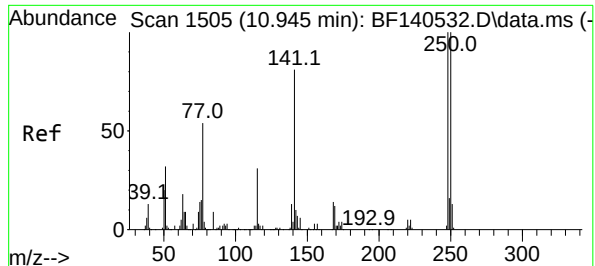
Tgt Ion:198 Resp: 158199
Ion Ratio Lower Upper
198 100
51 50.6 29.4 69.4
105 47.2 25.4 65.4



#66
n-Nitrosodiphenylamine
Concen: 58.887 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:169 Resp: 783428
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 36.2 29.0 43.6

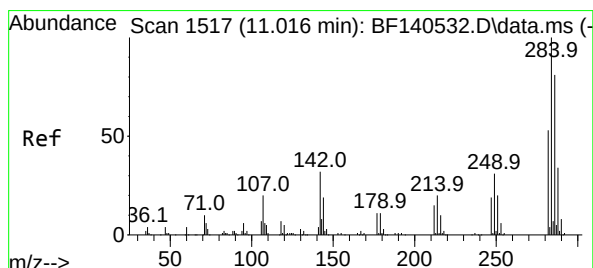
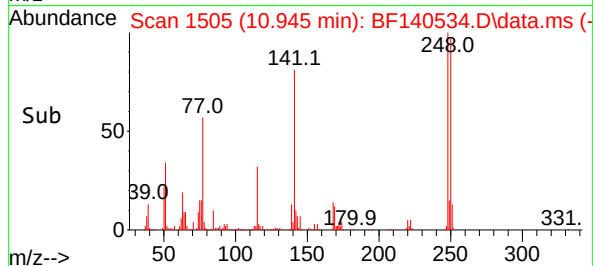
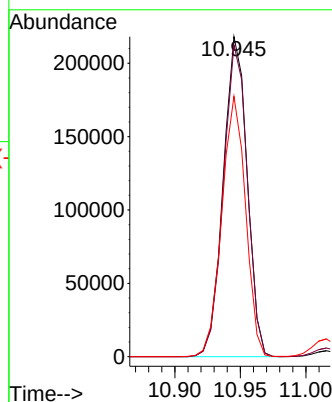
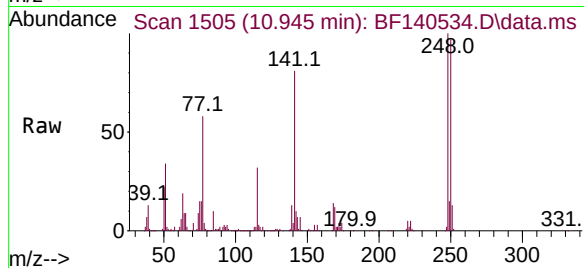




#67
4-Bromophenyl-phenylether
Concen: 59.628 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

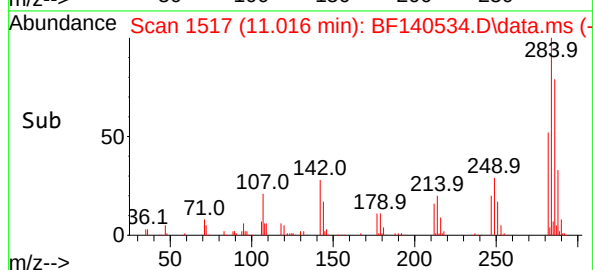
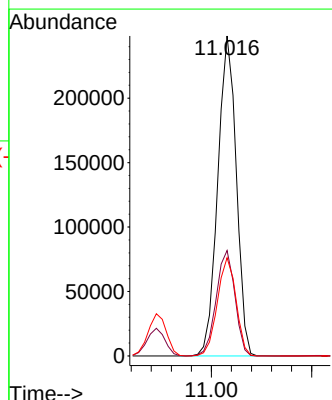
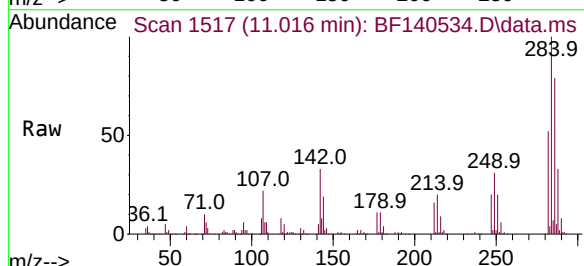
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

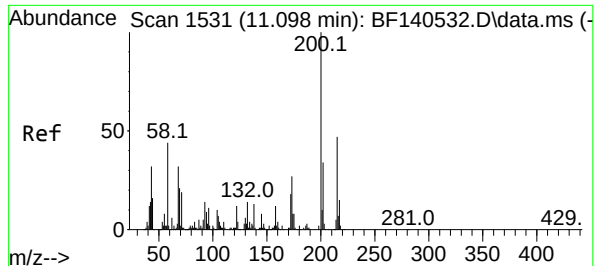
Tgt Ion:248 Resp: 276260
Ion Ratio Lower Upper
248 100
250 97.4 79.8 119.8
141 81.4 64.7 97.1



#68
Hexachlorobenzene
Concen: 59.265 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:284 Resp: 317935
Ion Ratio Lower Upper
284 100
142 32.9 25.3 37.9
249 30.7 24.8 37.2

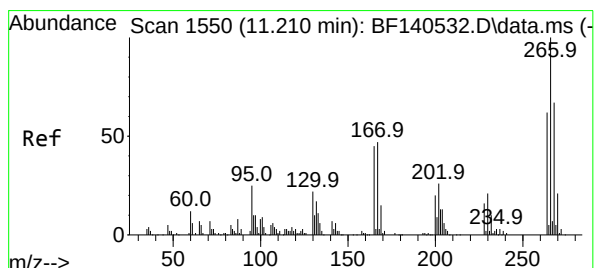
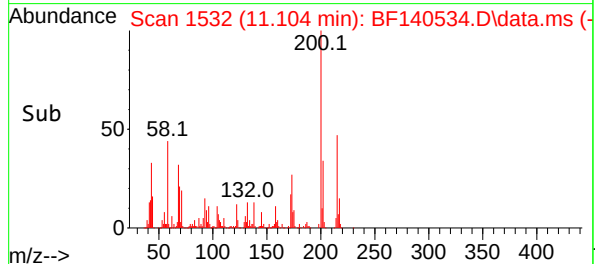
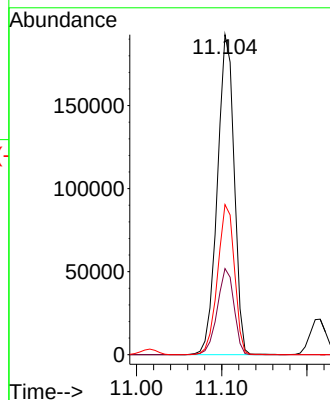
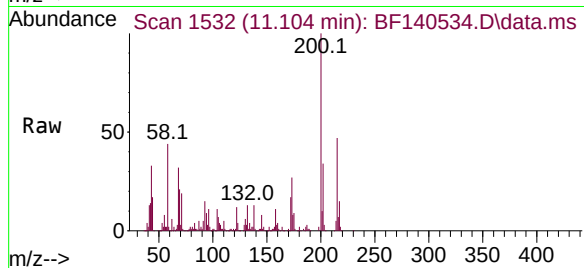




#69
Atrazine
Concen: 70.679 ng
RT: 11.104 min Scan# 1532
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

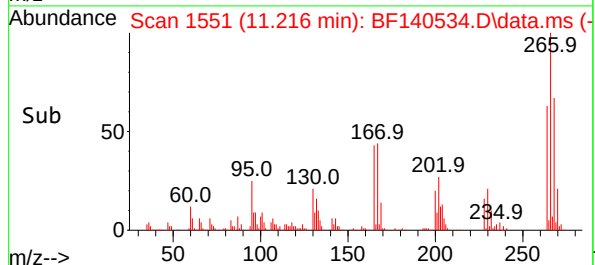
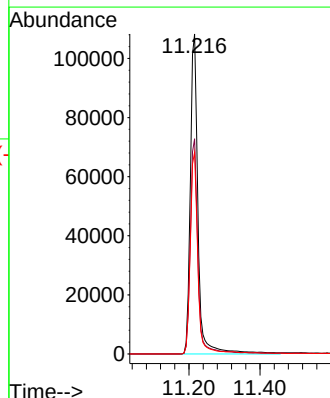
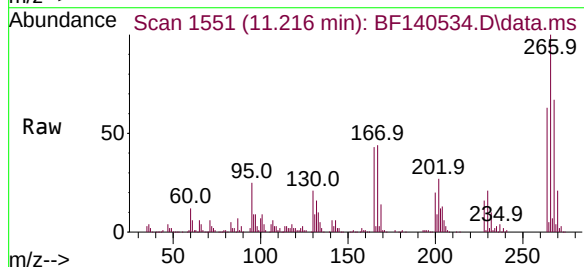
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

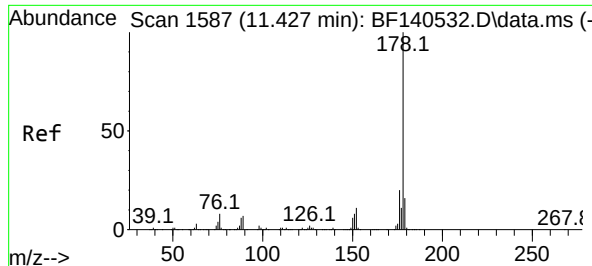
Tgt Ion:200 Resp: 264529
Ion Ratio Lower Upper
200 100
173 26.9 7.0 47.0
215 46.9 26.7 66.7



#70
Pentachlorophenol
Concen: 69.004 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:266 Resp: 162925
Ion Ratio Lower Upper
266 100
268 67.3 53.7 80.5
264 63.0 49.8 74.8

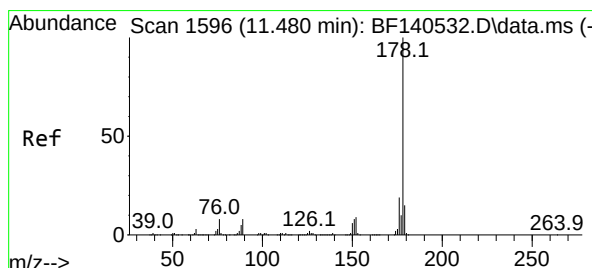
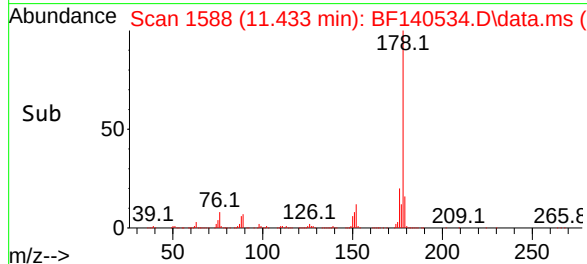
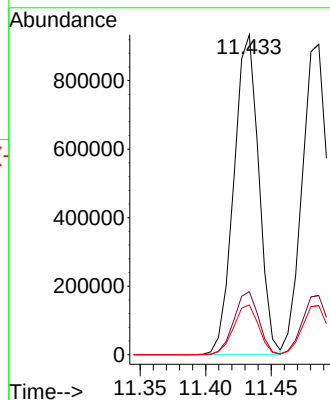
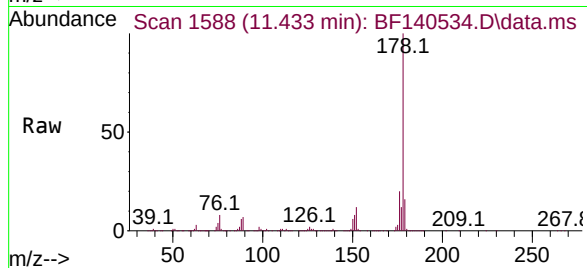




#71
Phenanthrene
Concen: 57.156 ng
RT: 11.433 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

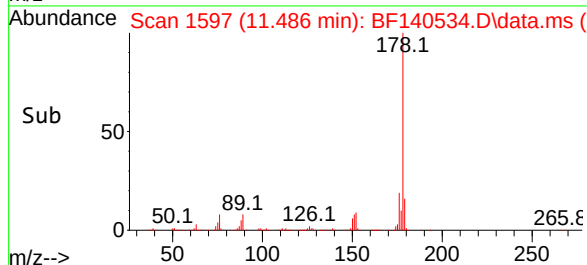
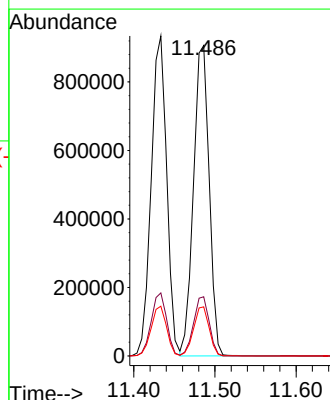
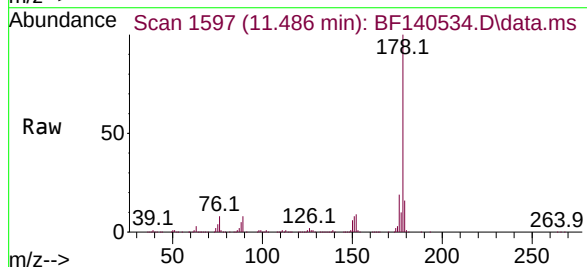
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

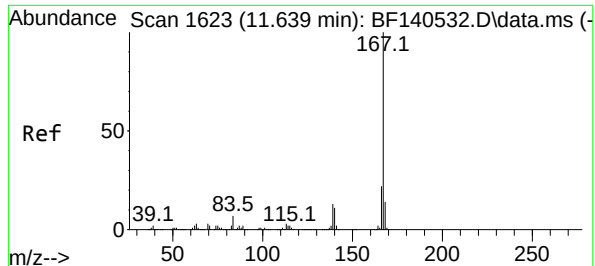
Tgt Ion:178 Resp: 1236004
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.6 12.4 18.6



#72
Anthracene
Concen: 57.692 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:178 Resp: 1220392
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 15.8 12.2 18.4

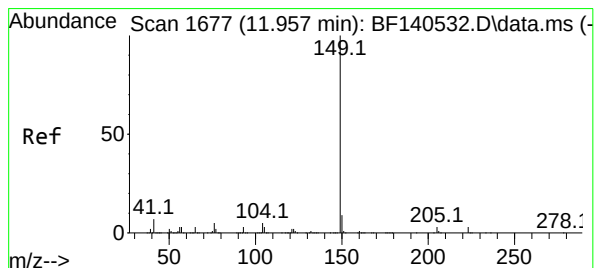
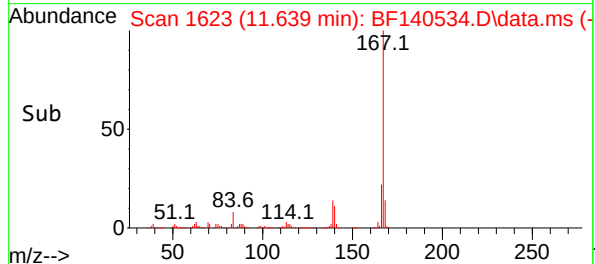
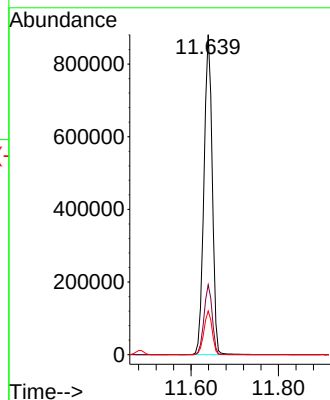
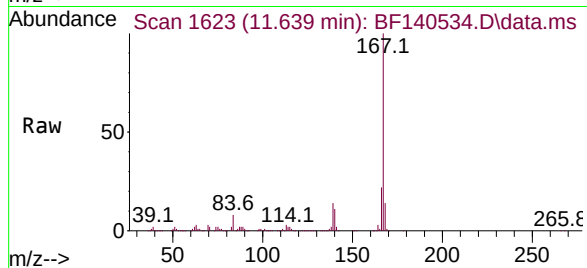




#73
Carbazole
Concen: 57.171 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

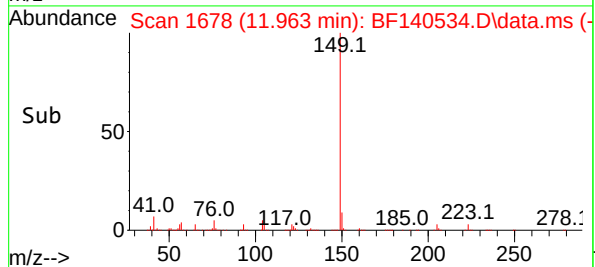
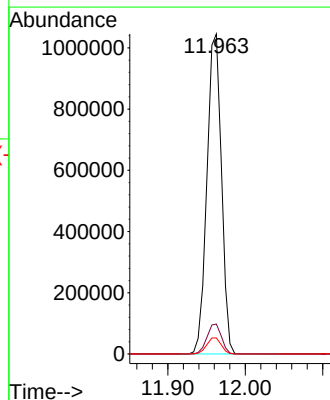
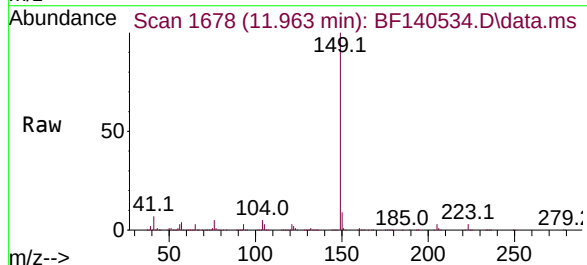
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

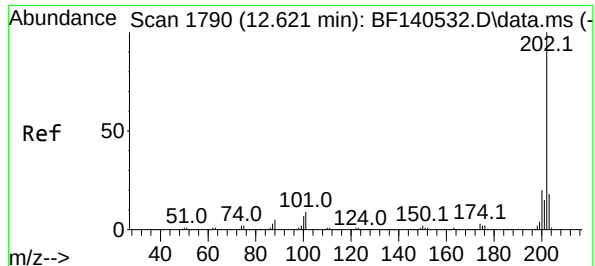
Tgt Ion:167 Resp: 1163411
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 13.6 10.6 15.8



#74
Di-n-butylphthalate
Concen: 57.851 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:149 Resp: 1359134
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 5.0 4.1 6.1

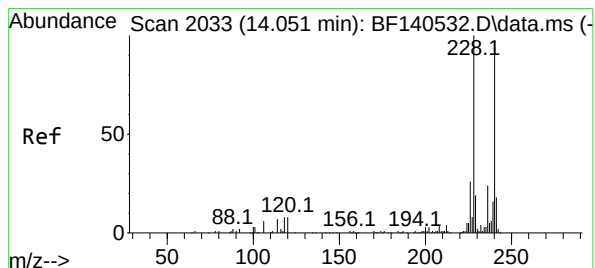
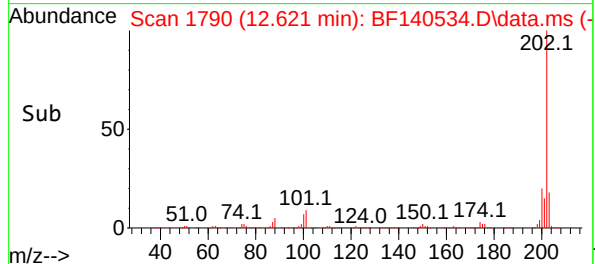
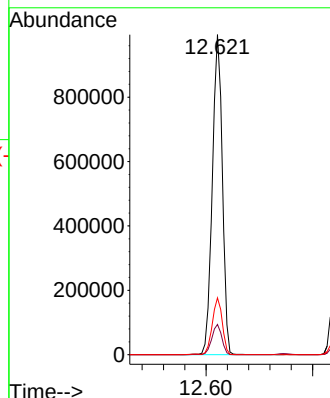
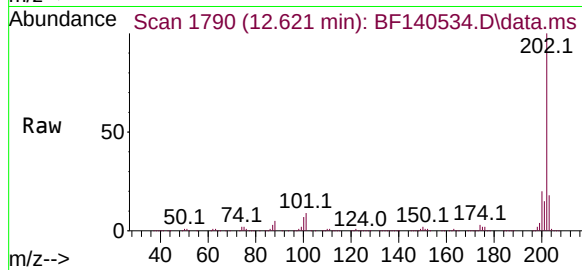




#75
Fluoranthene
Concen: 55.323 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

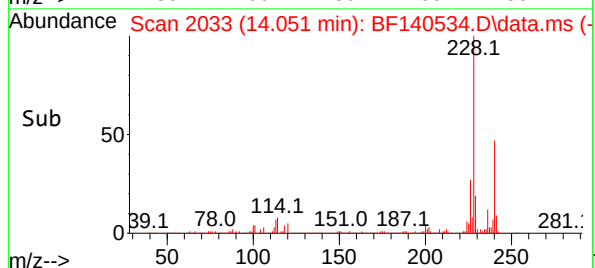
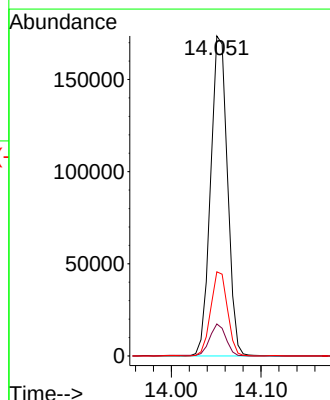
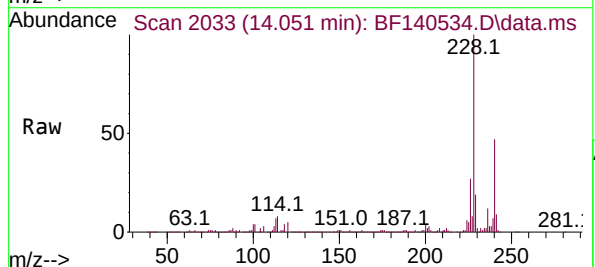
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

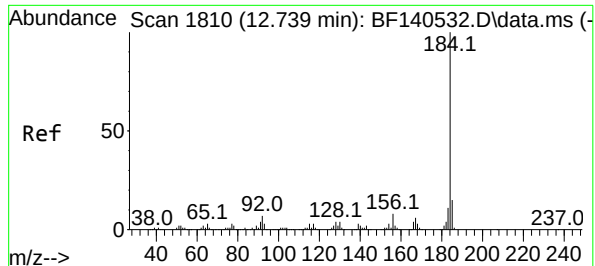
Tgt Ion:202 Resp: 1298953
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.9
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:240 Resp: 226512
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 26.3 20.6 31.0





#77

Benzidine

Concen: 105.771 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

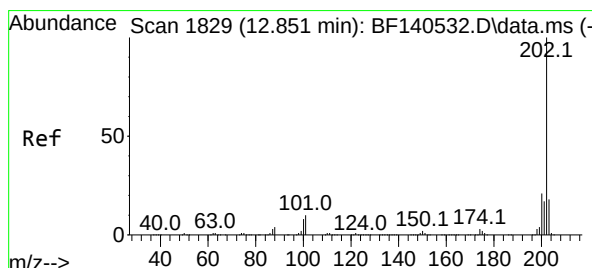
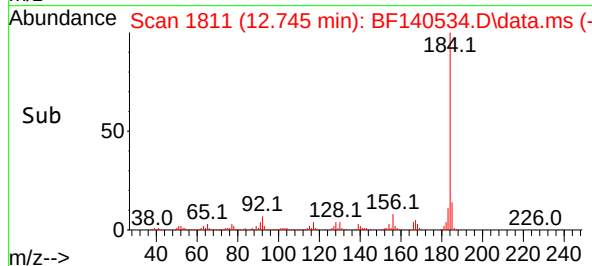
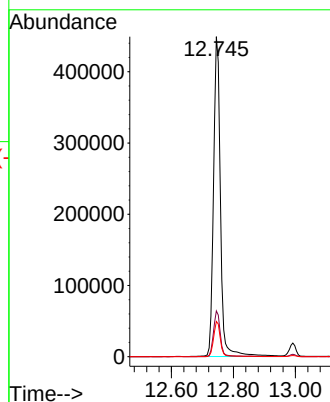
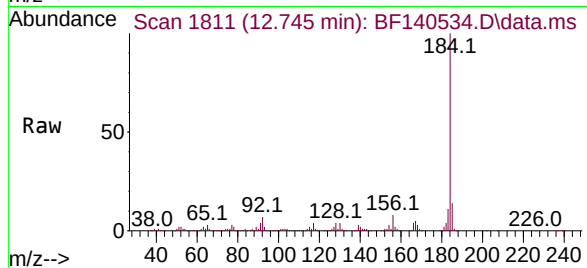
Tgt Ion:184 Resp: 696576

Ion Ratio Lower Upper

184 100

185 14.3 11.7 17.5

183 11.0 8.8 13.2



#78

Pyrene

Concen: 61.591 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

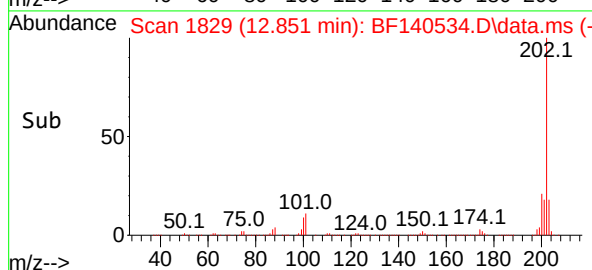
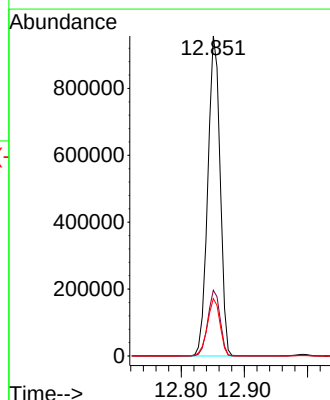
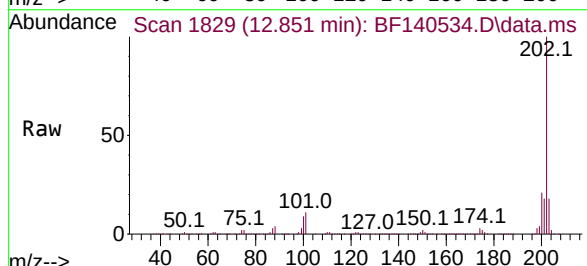
Tgt Ion:202 Resp: 1289961

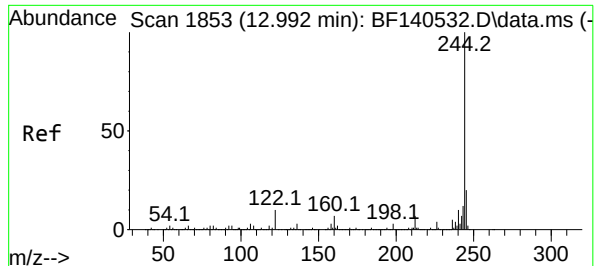
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 17.9 14.2 21.4

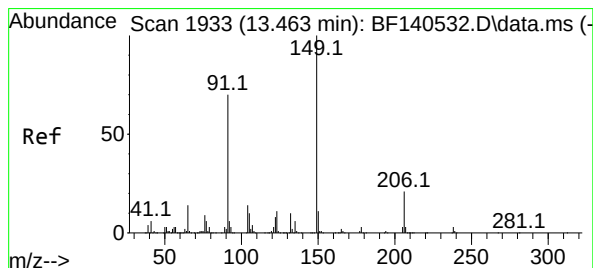
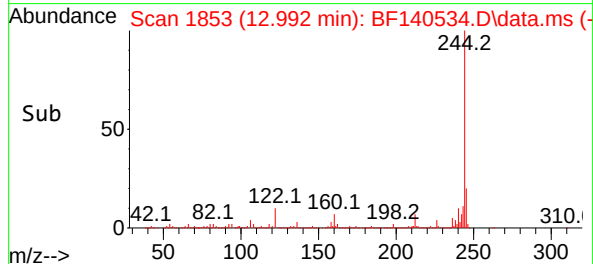
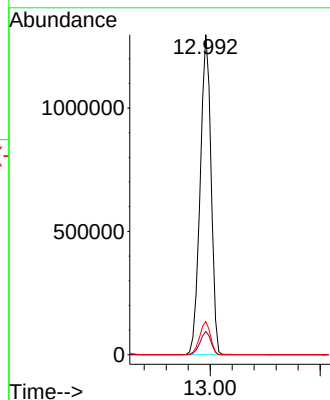
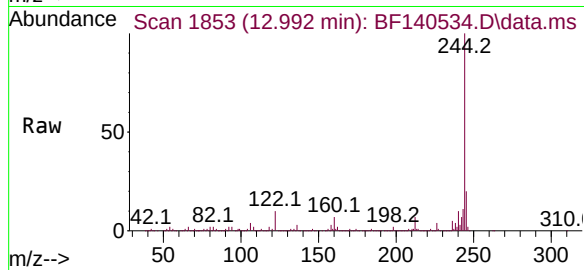




#79
Terphenyl-d14
Concen: 122.638 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

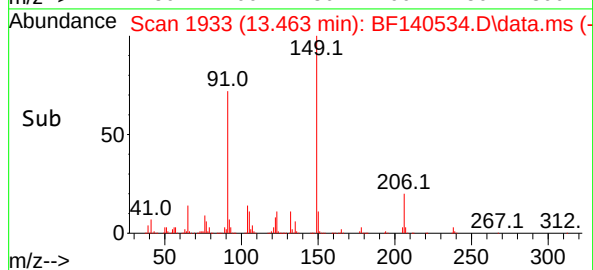
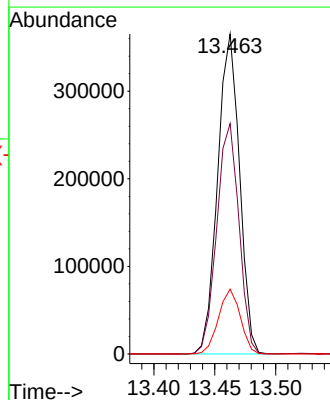
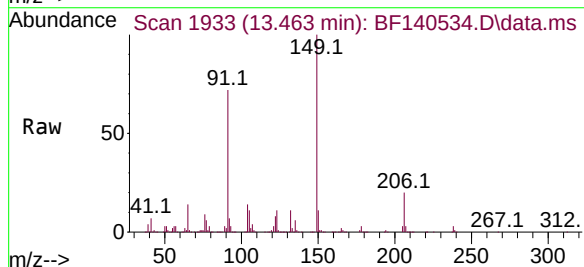
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

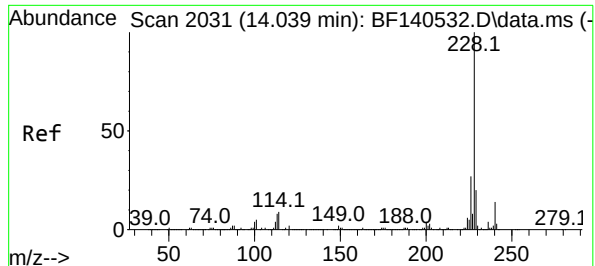
Tgt Ion:244 Resp: 1783980
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.4 8.0 12.0



#80
Butylbenzylphthalate
Concen: 60.743 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:149 Resp: 458296
Ion Ratio Lower Upper
149 100
91 72.0 56.2 84.2
206 20.3 16.4 24.6

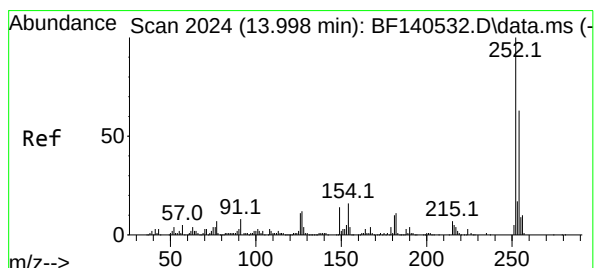
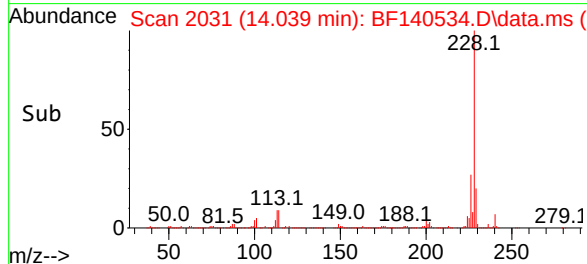
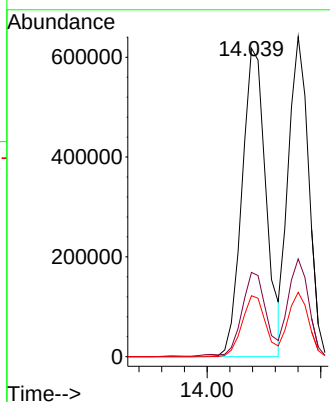
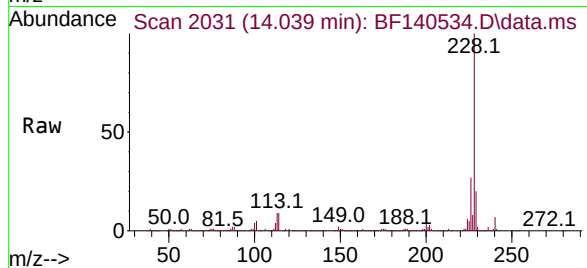




#81
Benzo(a)anthracene
Concen: 60.640 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

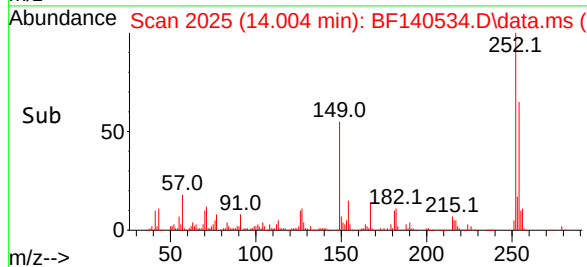
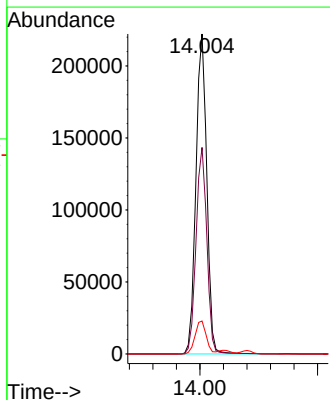
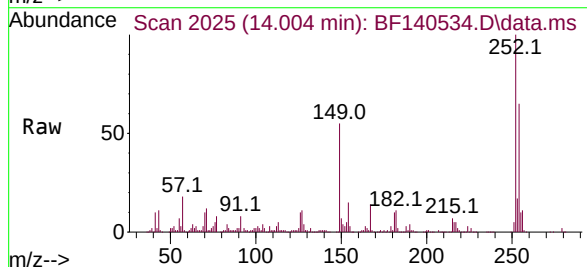
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

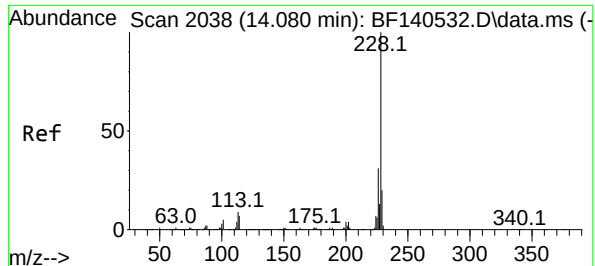
Tgt Ion:228 Resp: 909243
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 63.247 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:252 Resp: 284725
Ion Ratio Lower Upper
252 100
254 64.6 50.8 76.2
126 10.3 8.6 13.0

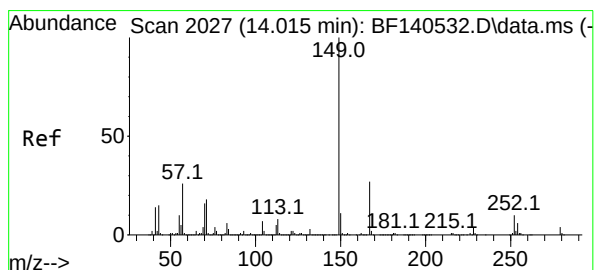
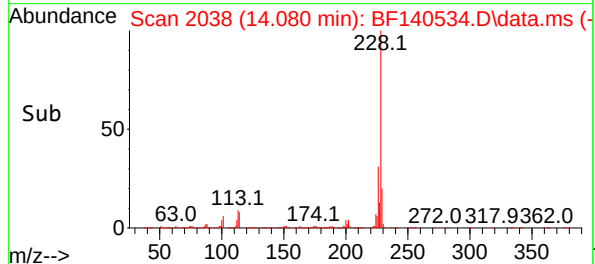
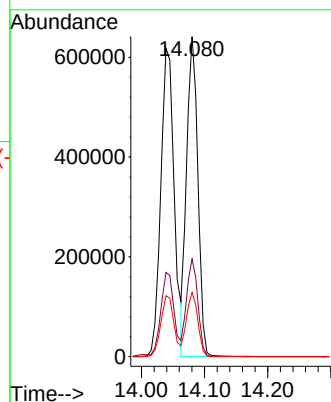
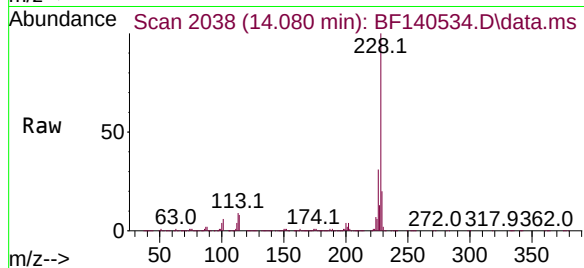




#83
Chrysene
Concen: 58.142 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

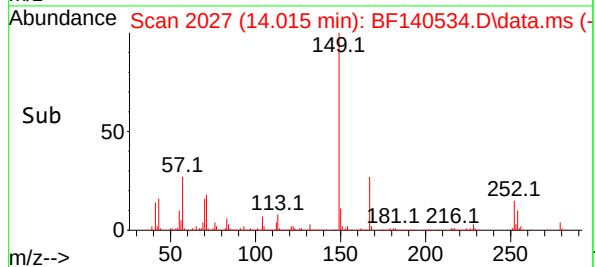
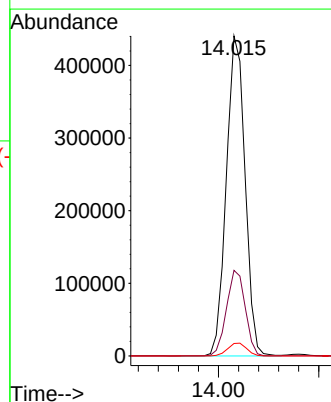
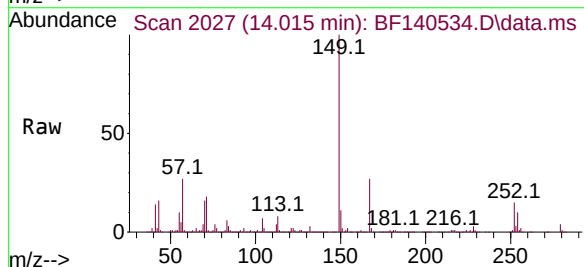
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

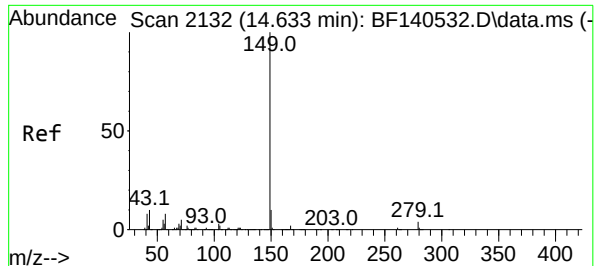
Tgt Ion	228	226	229
Resp	797151	30.6	20.1
Lower		24.4	15.8
Upper		36.6	23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 59.983 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion	149	167	279
Resp	571450	26.7	3.9
Lower		21.2	3.2
Upper		31.8	4.8

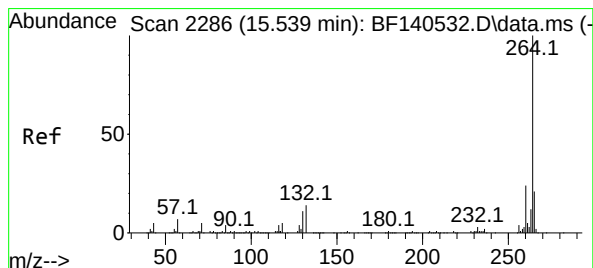
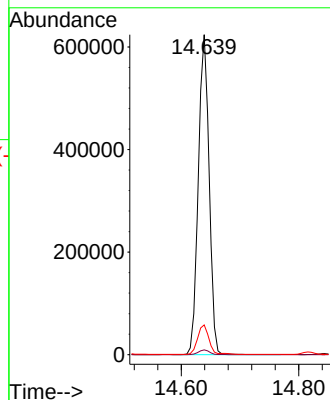
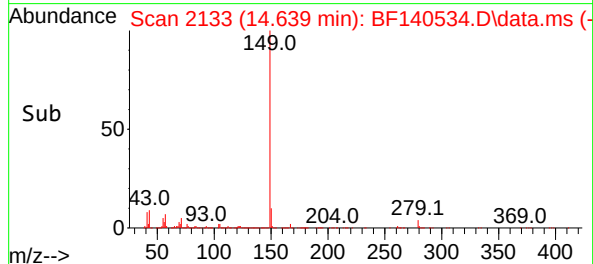
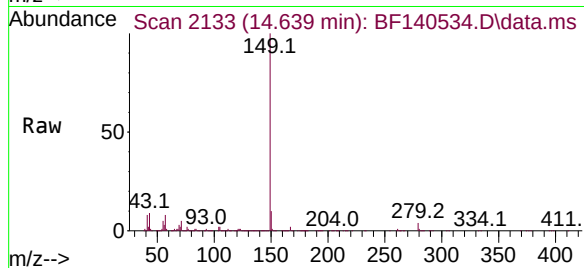




#85
Di-n-octyl phthalate
Concen: 61.012 ng
RT: 14.639 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

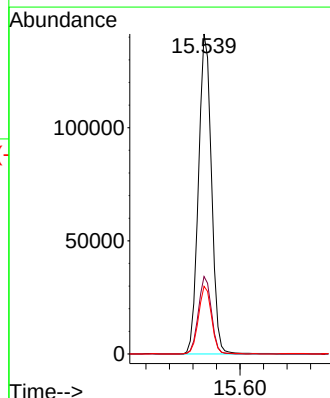
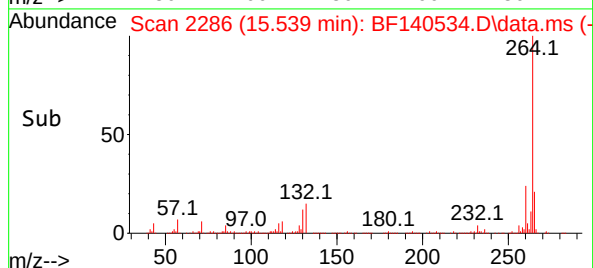
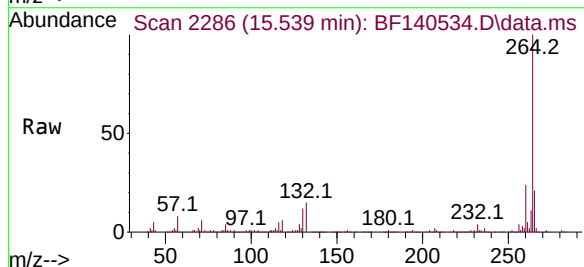
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

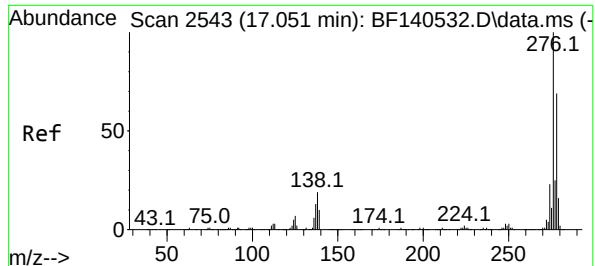
Tgt Ion:149 Resp: 794359
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.7 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

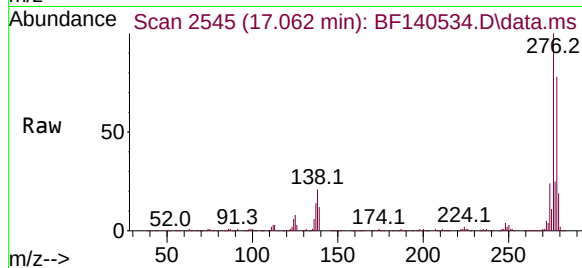
Tgt Ion:264 Resp: 216239
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 21.1 16.6 25.0



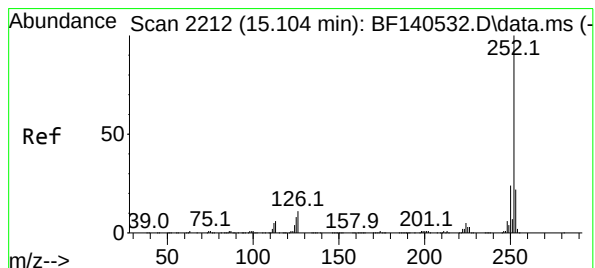
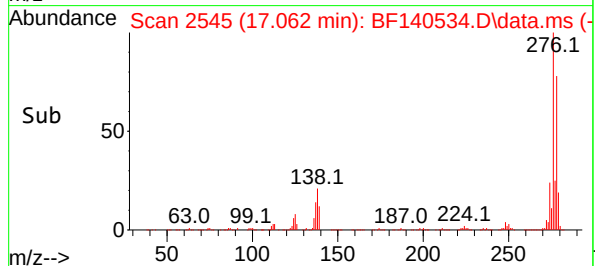
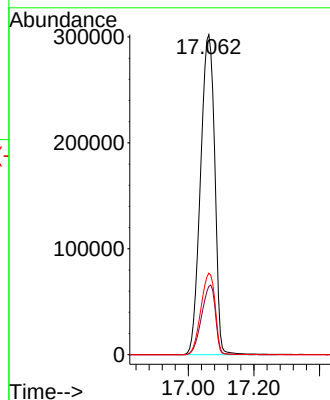


#87
Indeno(1,2,3-cd)pyrene
Concen: 64.878 ng
RT: 17.062 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

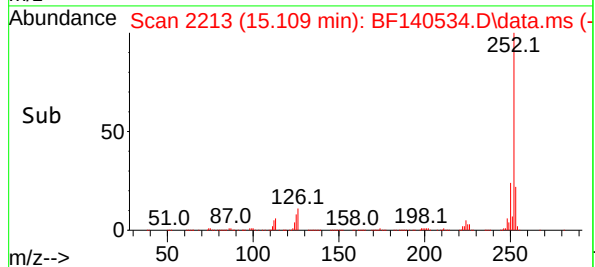
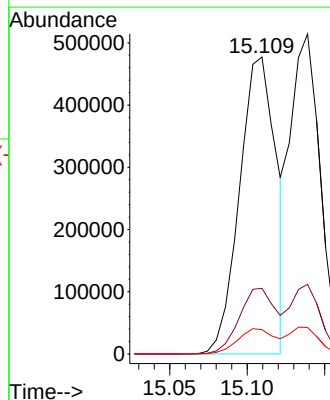
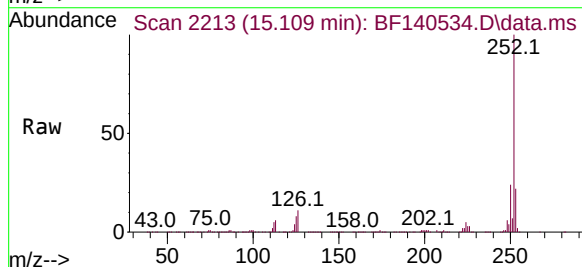


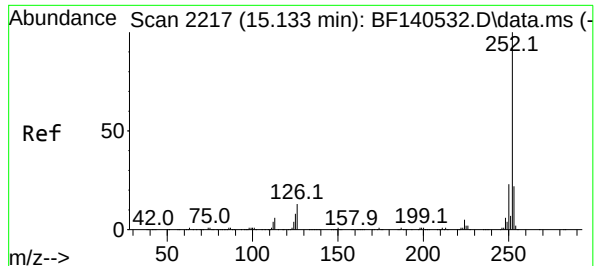
Tgt Ion:276 Resp: 914265
Ion Ratio Lower Upper
276 100
138 21.0 15.5 23.3
277 25.4 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 57.648 ng
RT: 15.109 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:252 Resp: 782997
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 8.2 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 57.594 ng

RT: 15.139 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

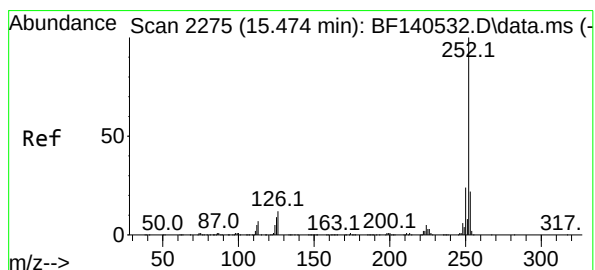
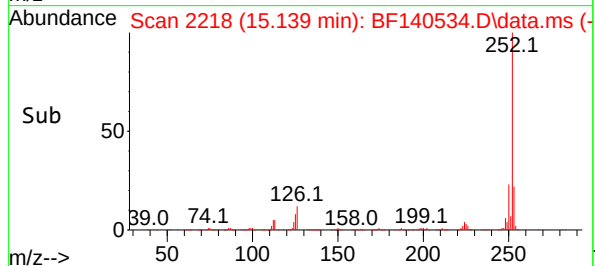
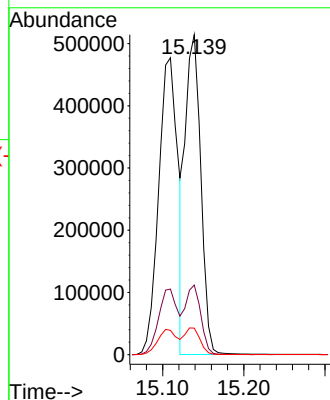
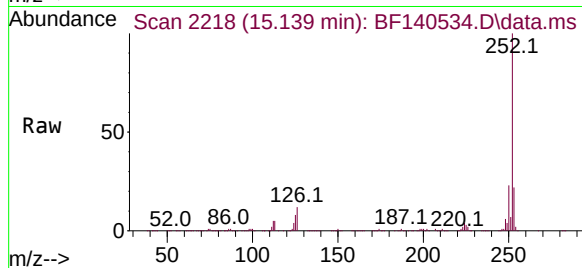
Tgt Ion:252 Resp: 684548

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.3 6.5 9.7



#90

Benzo(a)pyrene

Concen: 59.538 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

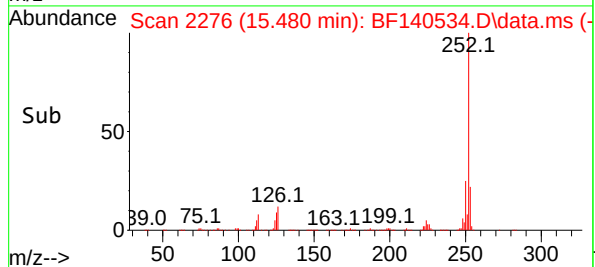
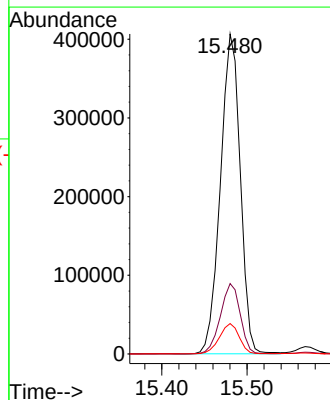
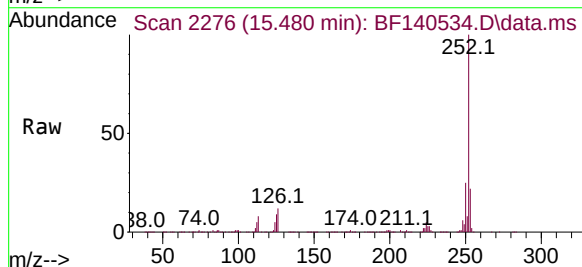
Tgt Ion:252 Resp: 657502

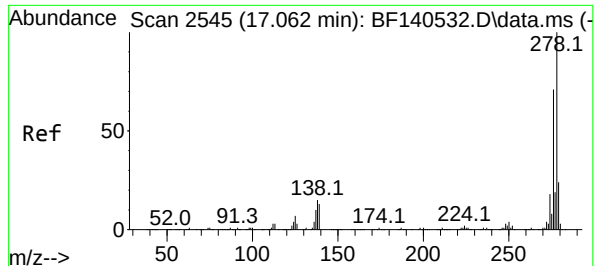
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 9.5 7.0 10.6

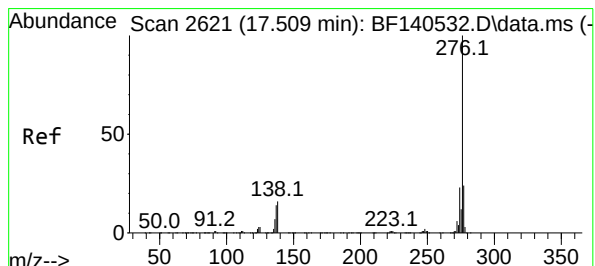
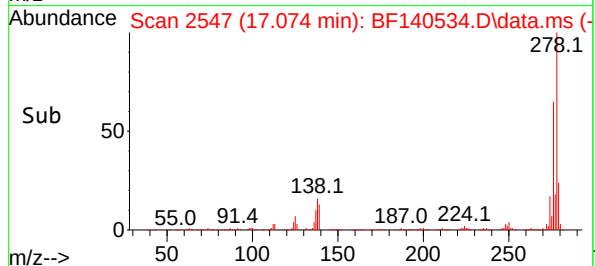
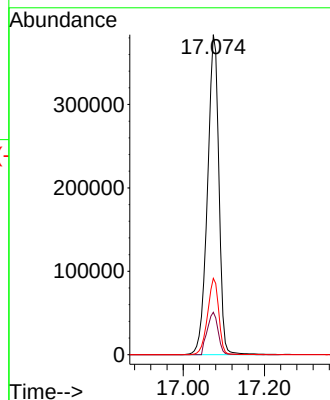
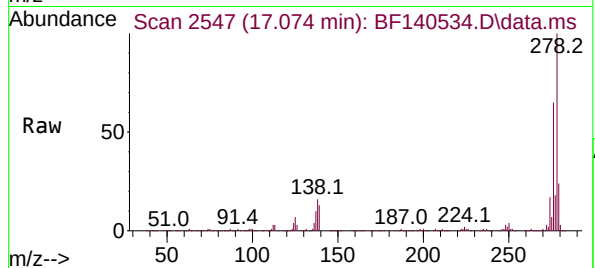




#91
Dibenzo(a,h)anthracene
Concen: 64.606 ng
RT: 17.074 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

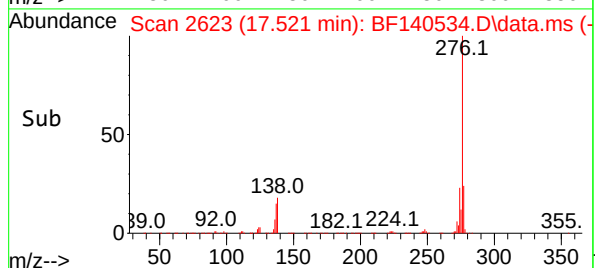
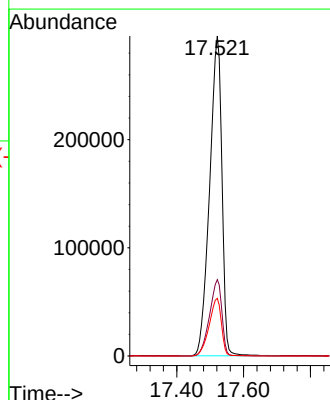
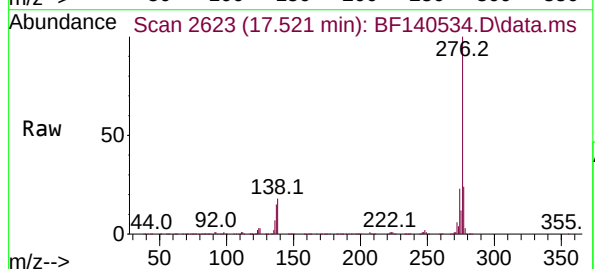
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 745614
Ion Ratio Lower Upper
278 100
139 13.2 10.2 15.4
279 23.8 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 63.978 ng
RT: 17.521 min Scan# 2623
Delta R.T. 0.012 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Tgt Ion:276 Resp: 753452
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 18.0 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140535.D
 Acq On : 21 Nov 2024 14:18
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Nov 21 15:15:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	111872	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	386311	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	207499	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	377113	20.000	ng	0.00
76) Chrysene-d12	14.057	240	187912	20.000	ng	0.00
86) Perylene-d12	15.539	264	185457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	976816	148.979	ng	0.01
7) Phenol-d6	6.528	99	1259345	145.284	ng	0.01
23) Nitrobenzene-d5	7.451	82	1184453	156.830	ng	0.01
42) 2,4,6-Tribromophenol	10.710	330	350473	157.926	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2050501	147.236	ng	0.00
79) Terphenyl-d14	12.992	244	1884646	156.171	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	213294	77.371	ng	100
3) Pyridine	3.434	79	504657	83.201	ng	98
4) n-Nitrosodimethylamine	3.416	42	295436	82.873	ng	99
6) Aniline	6.551	93	373764	61.261	ng	# 66
8) 2-Chlorophenol	6.675	128	512168	72.606	ng	97
10) Phenol	6.545	94	633910	71.609	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	509142	75.160	ng	100
12) 1,3-Dichlorobenzene	6.822	146	576538	72.737	ng	99
13) 1,4-Dichlorobenzene	6.893	146	587901	73.253	ng	98
14) 1,2-Dichlorobenzene	7.051	146	541244	71.971	ng	99
15) Benzyl Alcohol	7.028	79	469135	72.980	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	571163	71.370	ng	89
17) 2-Methylphenol	7.140	107	412367	73.028	ng	97
18) Hexachloroethane	7.387	117	223281	74.489	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	370745	72.370	ng	97
20) 3+4-Methylphenols	7.298	107	516442	71.155	ng	91
22) Acetophenone	7.292	105	722622	76.727	ng	# 98
24) Nitrobenzene	7.469	77	605207	77.534	ng	98
25) Isophorone	7.704	82	981772	77.937	ng	100
26) 2-Nitrophenol	7.775	139	277762	80.298	ng	98
27) 2,4-Dimethylphenol	7.816	122	336239	81.241	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	591884	77.128	ng	100
29) 2,4-Dichlorophenol	8.022	162	418686	76.344	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	482134	76.997	ng	99
31) Naphthalene	8.181	128	1498520	75.309	ng	100
32) Benzoic acid	7.981	122	312770	81.021	ng	99
33) 4-Chloroaniline	8.239	127	446235	74.901	ng	99
34) Hexachlorobutadiene	8.292	225	315951	76.179	ng	99
35) Caprolactam	8.634	113	127641	75.207	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	465184	75.759	ng	100
37) 2-Methylnaphthalene	8.869	142	949611	75.136	ng	100
38) 1-Methylnaphthalene	8.969	142	928964	74.987	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	468632	77.147	ng	100
41) Hexachlorocyclopentadiene	9.022	237	110015	80.520	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	302826	79.446	ng	99
44) 2,4,5-Trichlorophenol	9.204	196	325549	78.696	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140535.D
 Acq On : 21 Nov 2024 14:18
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

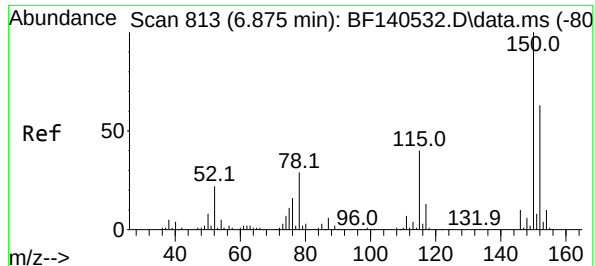
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	1164092	75.141	ng	98
47) 2-Chloronaphthalene	9.363	162	905645	77.151	ng	100
48) 2-Nitroaniline	9.463	65	297813	79.040	ng	99
49) Acenaphthylene	9.781	152	1319777	74.411	ng	99
50) Dimethylphthalate	9.645	163	1041011	76.177	ng	100
51) 2,6-Dinitrotoluene	9.710	165	237697	76.693	ng	96
52) Acenaphthene	9.951	154	851353	74.130	ng	99
53) 3-Nitroaniline	9.881	138	217122	71.627	ng	95
54) 2,4-Dinitrophenol	9.986	184	127923	79.725	ng	98
55) Dibenzofuran	10.122	168	1252581	72.868	ng	98
56) 4-Nitrophenol	10.051	139	172406	83.396	ng	97
57) 2,4-Dinitrotoluene	10.116	165	314478	76.346	ng	96
58) Fluorene	10.469	166	1004537	72.805	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	258582	81.333	ng	97
60) Diethylphthalate	10.339	149	1023948	73.747	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	496862	73.378	ng	98
62) 4-Nitroaniline	10.504	138	241223	75.874	ng	99
63) Azobenzene	10.616	77	978891	74.448	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	170169	88.305	ng	98
66) n-Nitrosodiphenylamine	10.581	169	842038	75.504	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	298430	76.842	ng	98
68) Hexachlorobenzene	11.016	284	349669	77.757	ng	98
69) Atrazine	11.110	200	298744	95.222	ng	99
70) Pentachlorophenol	11.216	266	177717	89.792	ng	99
71) Phenanthrene	11.433	178	1329366	73.334	ng	100
72) Anthracene	11.486	178	1295331	73.050	ng	100
73) Carbazole	11.639	167	1238730	72.617	ng	100
74) Di-n-butylphthalate	11.963	149	1458047	74.036	ng	100
75) Fluoranthene	12.622	202	1389485	70.598	ng	99
77) Benzidine	12.745	184	564372	103.300	ng	100
78) Pyrene	12.851	202	1352459	77.840	ng	100
80) Butylbenzylphthalate	13.463	149	481834	76.981	ng	99
81) Benzo(a)anthracene	14.045	228	933395	75.038	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	295857	79.219	ng	99
83) Chrysene	14.080	228	847578	74.518	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	598926	75.781	ng	100
85) Di-n-octyl phthalate	14.639	149	842600	78.011	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	973960	80.586	ng	100
88) Benzo(b)fluoranthene	15.104	252	866416	74.378	ng	99
89) Benzo(k)fluoranthene	15.139	252	726636	71.283	ng	100
90) Benzo(a)pyrene	15.480	252	710060	74.969	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	789090	79.722	ng	99
92) Benzo(g,h,i)perylene	17.521	276	803570	79.559	ng	99

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

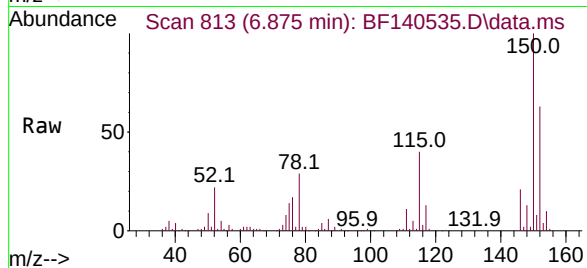
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

[illegible]

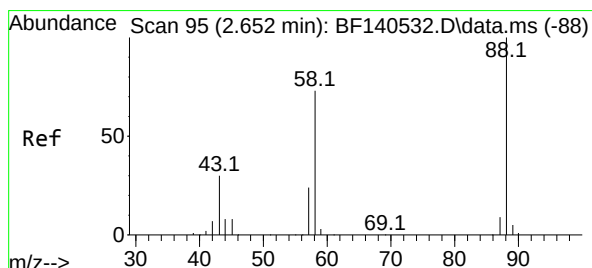
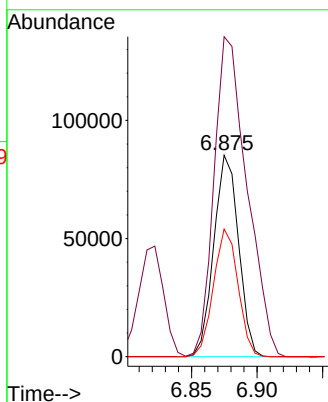
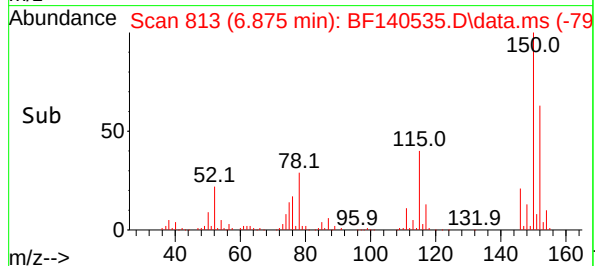


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

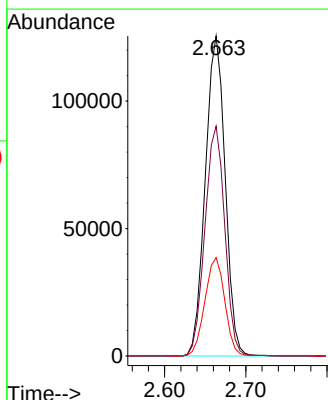
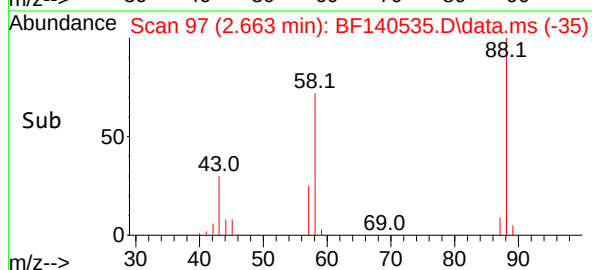
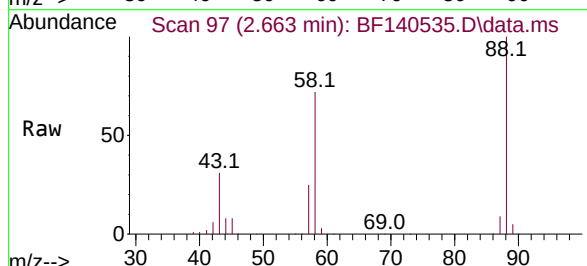


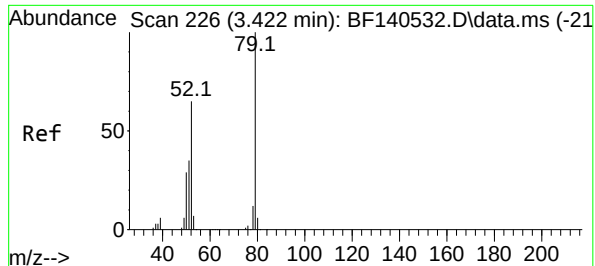
Tgt Ion:152 Resp: 111872
Ion Ratio Lower Upper
152 100
150 158.9 128.5 192.7
115 63.4 50.2 75.4



#2
1,4-Dioxane
Concen: 77.371 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 88 Resp: 213294
Ion Ratio Lower Upper
88 100
58 71.8 57.4 86.2
43 31.0 24.3 36.5





#3

Pyridine

Concen: 83.201 ng

RT: 3.434 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

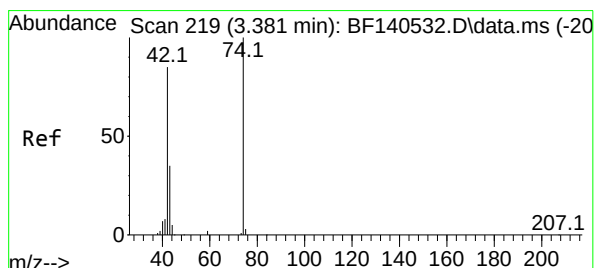
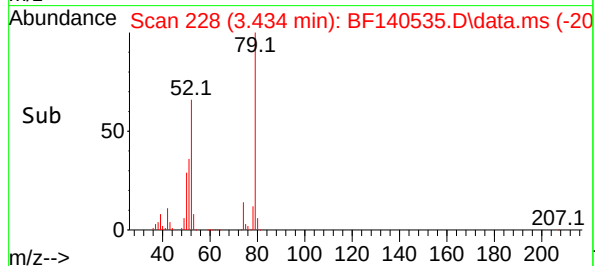
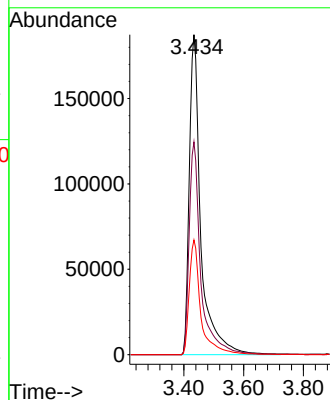
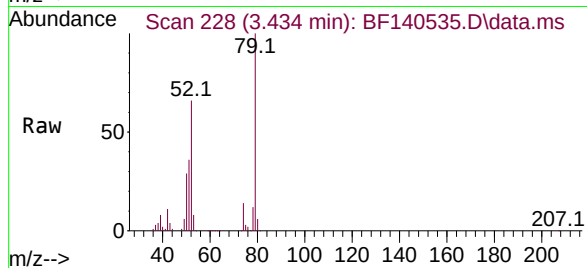
Tgt Ion: 79 Resp: 504657

Ion Ratio Lower Upper

79 100

52 66.5 52.1 78.1

51 35.8 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 82.873 ng

RT: 3.416 min Scan# 225

Delta R.T. 0.035 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

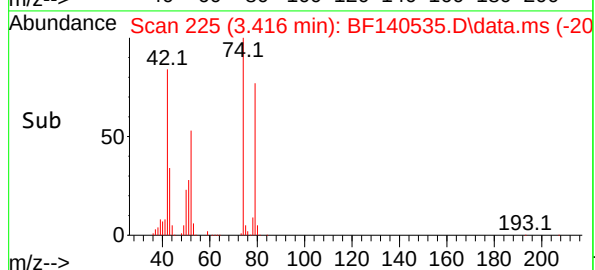
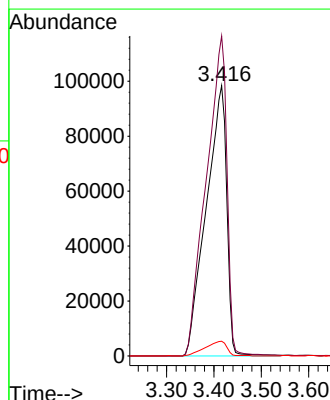
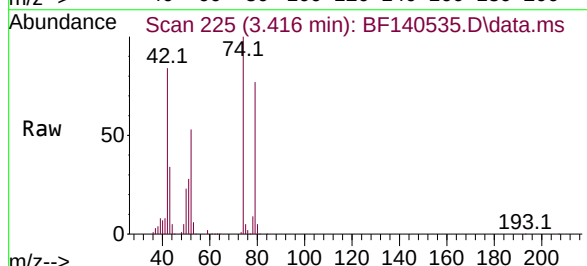
Tgt Ion: 42 Resp: 295436

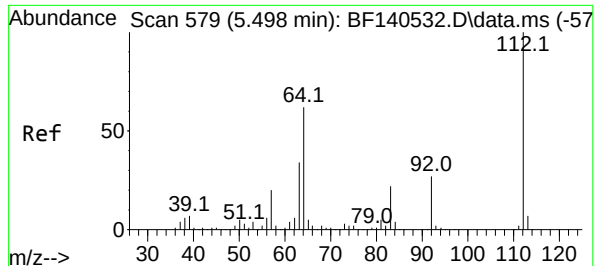
Ion Ratio Lower Upper

42 100

74 118.4 93.8 140.6

44 5.4 4.6 6.8

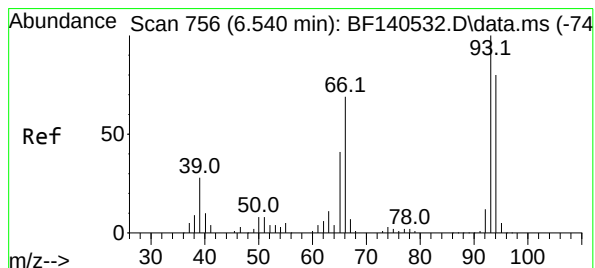
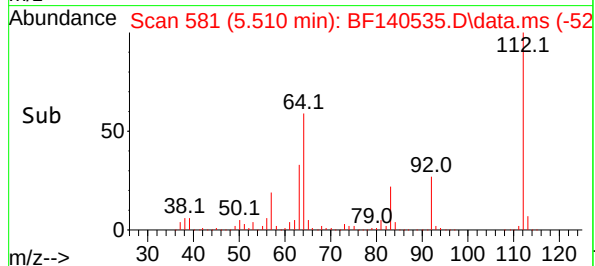
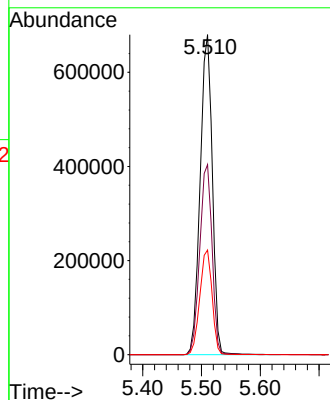
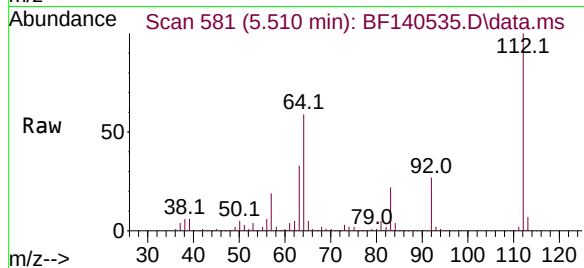




#5
2-Fluorophenol
Concen: 148.979 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

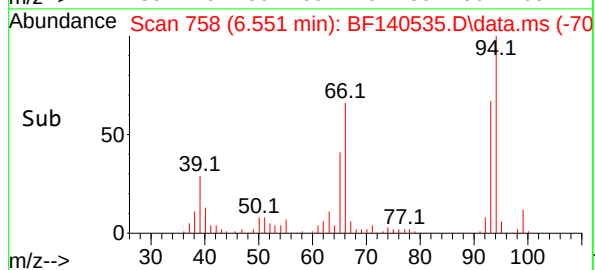
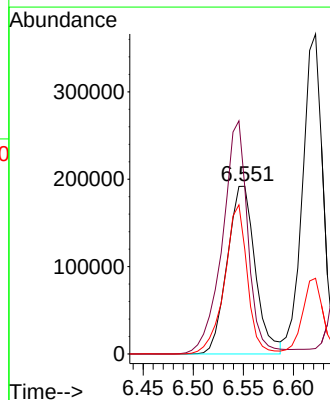
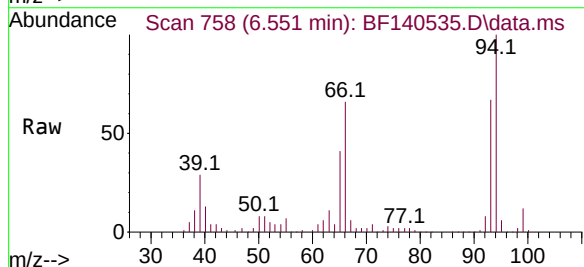
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

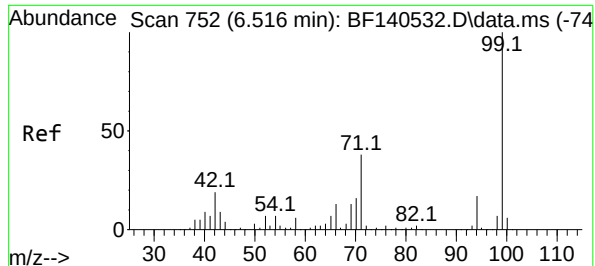
Tgt Ion:112 Resp: 976816
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 32.7 27.0 40.4



#6
Aniline
Concen: 61.261 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 93 Resp: 373764
Ion Ratio Lower Upper
93 100
66 99.2 56.5 84.7#
65 62.2 32.9 49.3#





#7

Phenol-d6

Concen: 145.284 ng

RT: 6.528 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

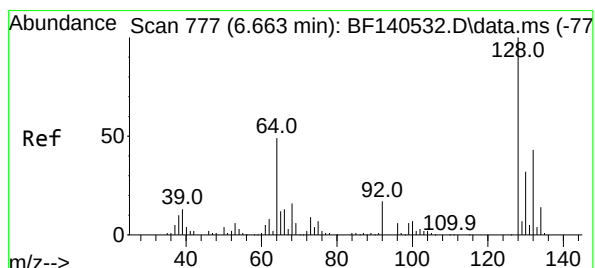
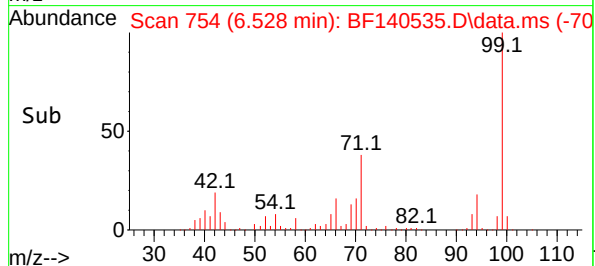
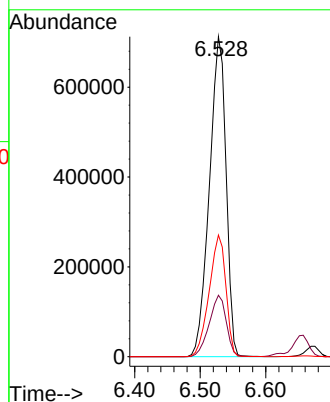
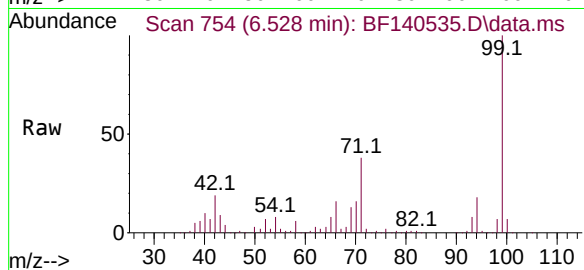
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 1259345

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.4	23.0
71	38.0	30.6	46.0



#8

2-Chlorophenol

Concen: 72.606 ng

RT: 6.675 min Scan# 779

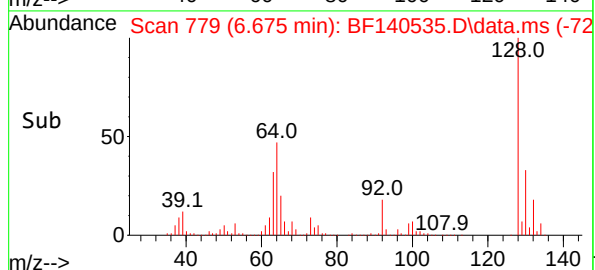
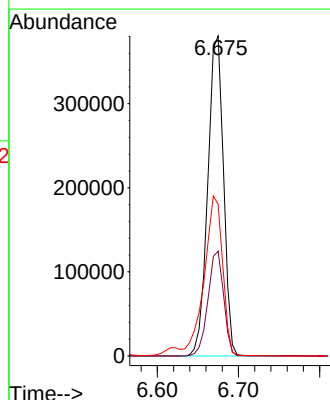
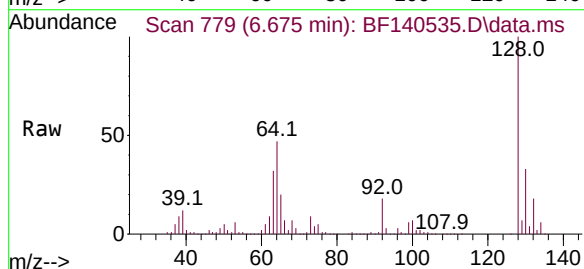
Delta R.T. 0.012 min

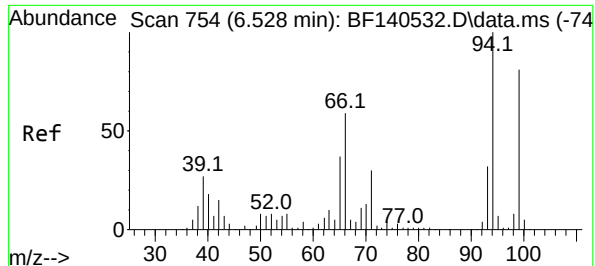
Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion:128 Resp: 512168

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	47.4	30.2	70.2

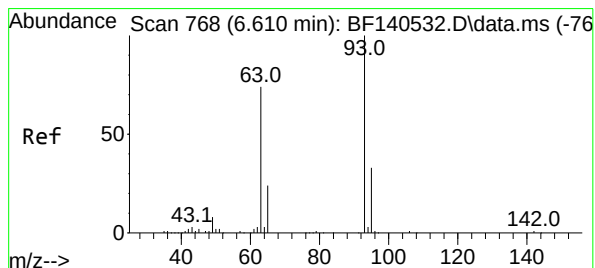
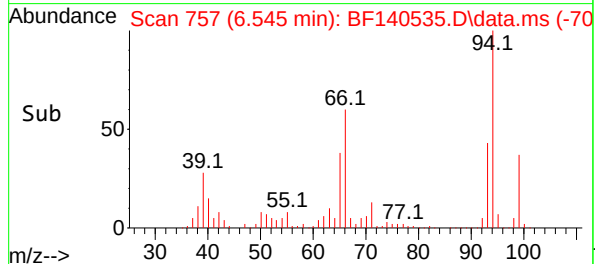
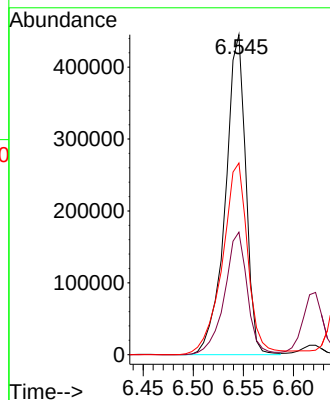
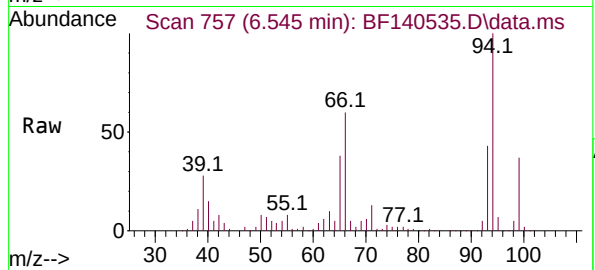




#10
Phenol
Concen: 71.609 ng
RT: 6.545 min Scan# 710
Delta R.T. 0.018 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

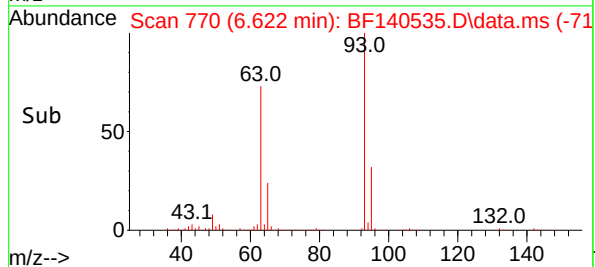
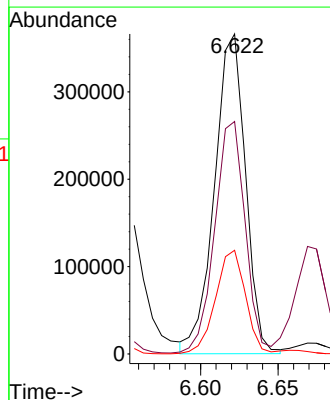
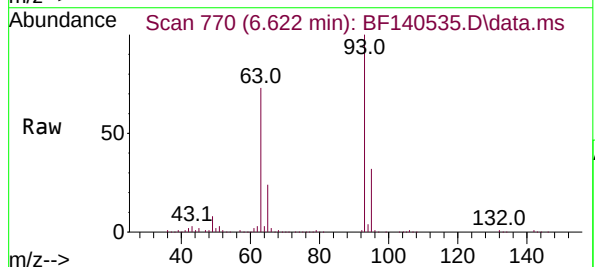
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

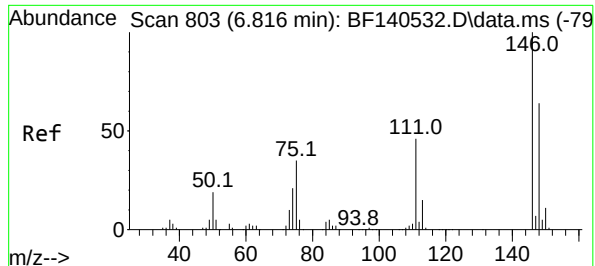
Tgt Ion: 94 Resp: 633910
Ion Ratio Lower Upper
94 100
65 38.3 17.2 57.2
66 59.9 39.2 79.2



#11
bis(2-Chloroethyl)ether
Concen: 75.160 ng
RT: 6.622 min Scan# 770
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 93 Resp: 509142
Ion Ratio Lower Upper
93 100
63 72.6 52.8 92.8
95 32.4 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 72.737 ng

RT: 6.822 min Scan# 803

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

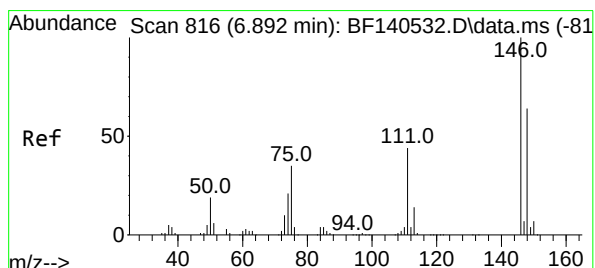
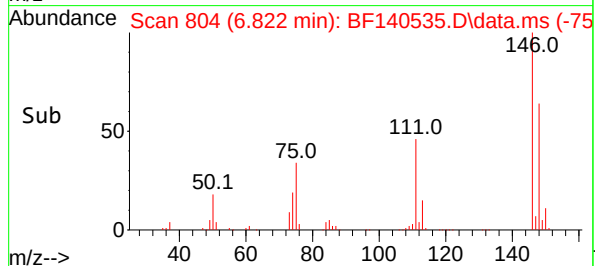
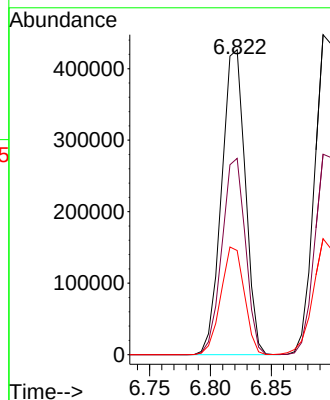
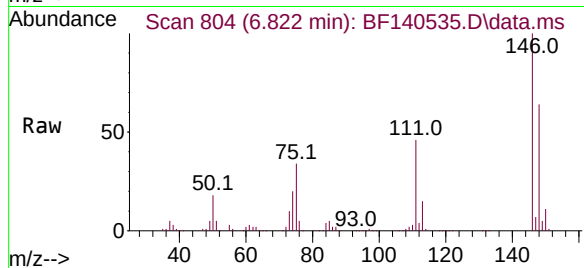
Tgt Ion:146 Resp: 576538

Ion Ratio Lower Upper

146 100

148 64.4 51.3 76.9

75 34.2 28.2 42.2



#13

1,4-Dichlorobenzene

Concen: 73.253 ng

RT: 6.893 min Scan# 816

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

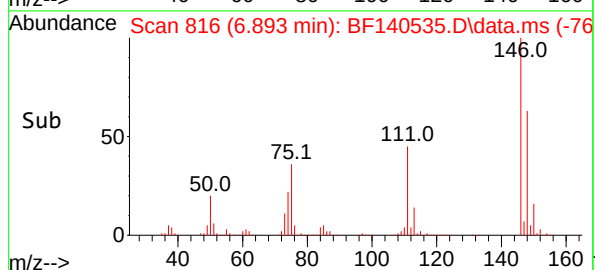
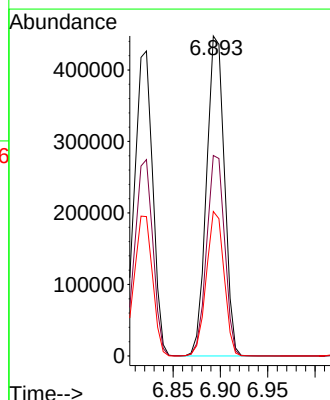
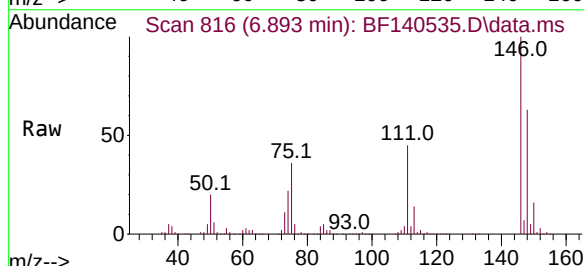
Tgt Ion:146 Resp: 587901

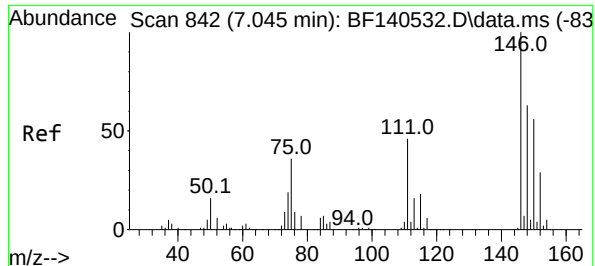
Ion Ratio Lower Upper

146 100

148 62.6 51.0 76.6

111 45.1 35.3 52.9





#14

1,2-Dichlorobenzene

Concen: 71.971 ng

RT: 7.051 min Scan# 84

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

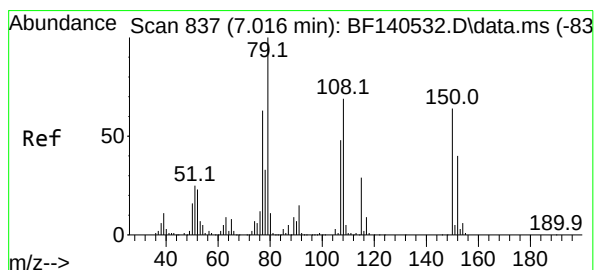
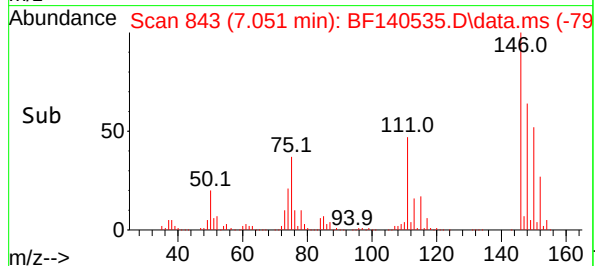
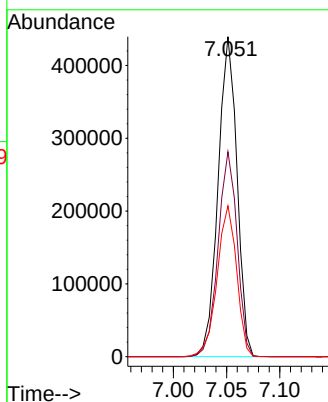
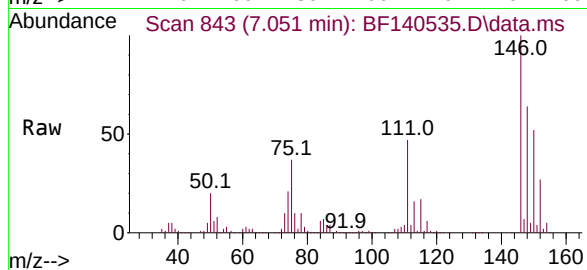
Tgt Ion:146 Resp: 541244

Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

111 47.1 36.7 55.1



#15

Benzyl Alcohol

Concen: 72.980 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

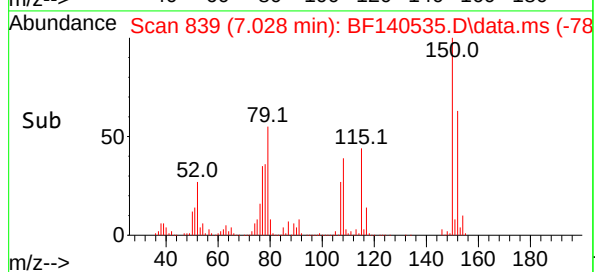
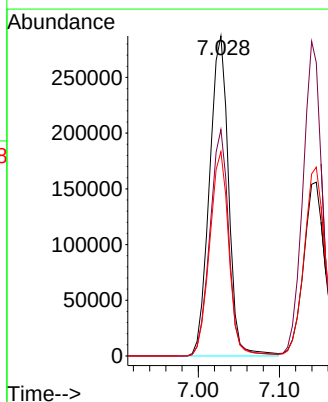
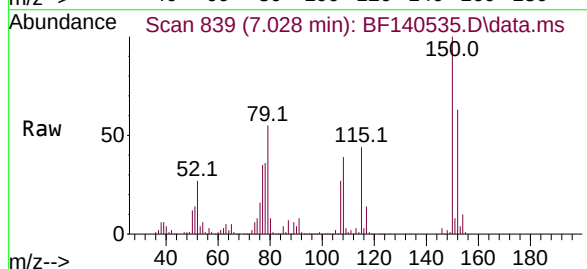
Tgt Ion: 79 Resp: 469135

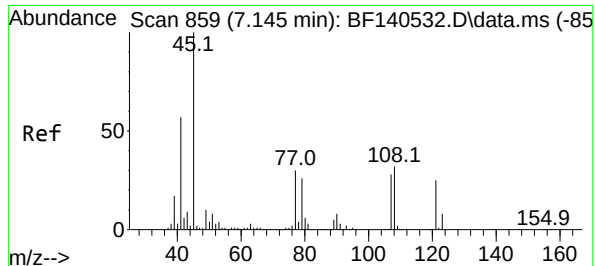
Ion Ratio Lower Upper

79 100

108 70.8 55.0 82.6

77 63.8 50.1 75.1





#16

2,2'-oxybis(1-Chloropropane)

Concen: 71.370 ng

RT: 7.151 min Scan# 8

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

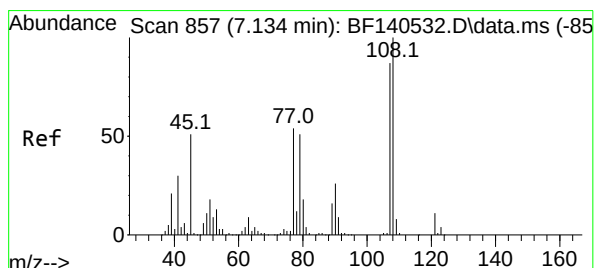
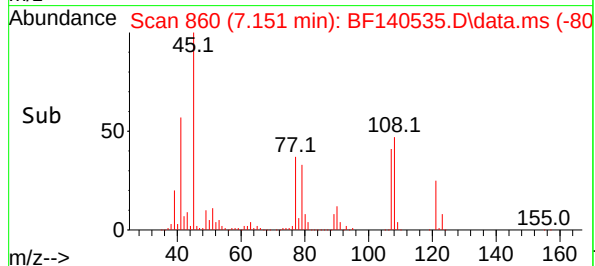
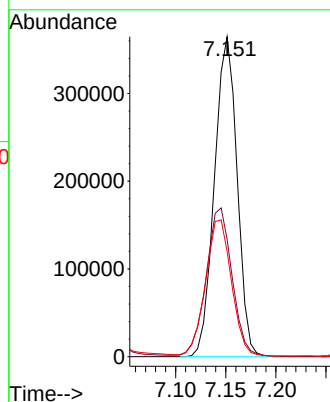
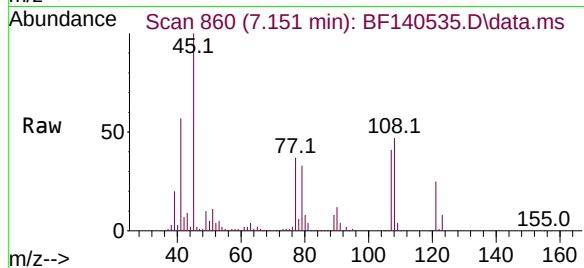
Tgt Ion: 45 Resp: 571163

Ion Ratio Lower Upper

45 100

77 36.8 10.7 50.7

79 32.9 7.0 47.0



#17

2-Methylphenol

Concen: 73.028 ng

RT: 7.140 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion:107 Resp: 412367

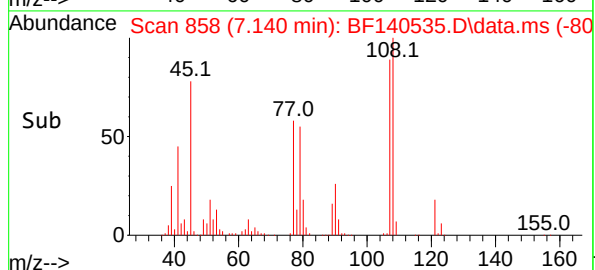
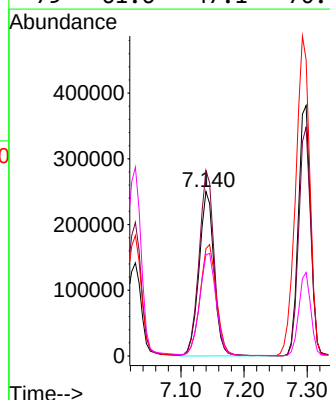
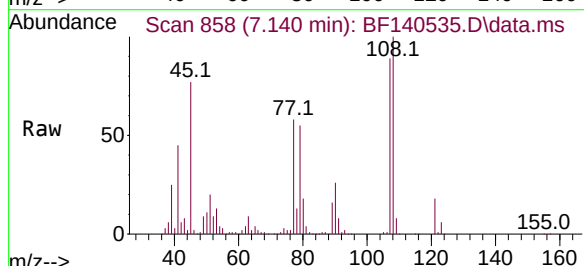
Ion Ratio Lower Upper

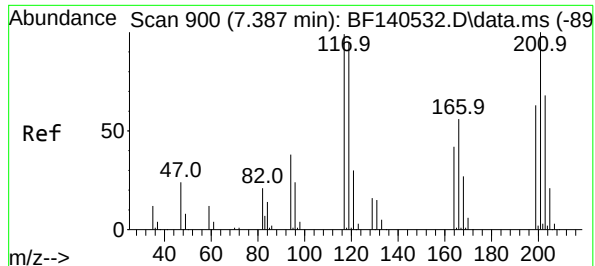
107 100

108 112.9 91.7 137.5

77 65.3 49.3 73.9

79 61.6 47.1 70.7





#18

Hexachloroethane

Concen: 74.489 ng

RT: 7.387 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

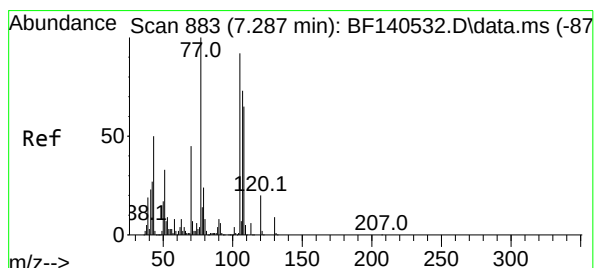
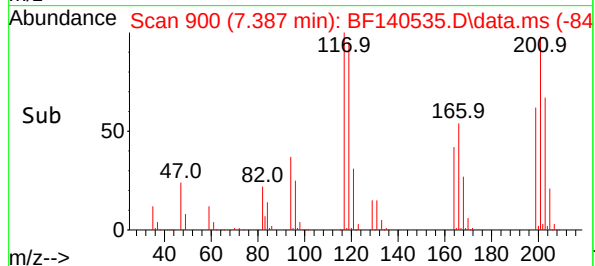
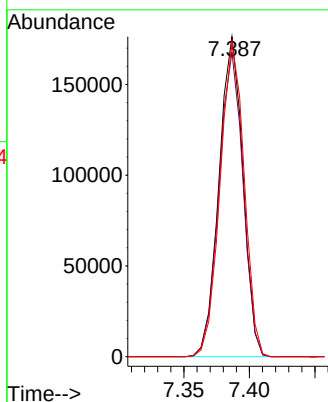
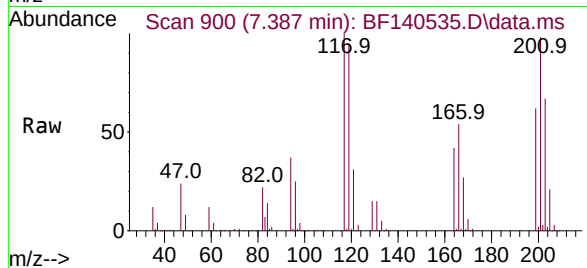
Tgt Ion:117 Resp: 223281

Ion Ratio Lower Upper

117 100

119 95.2 77.1 115.7

201 98.4 81.1 121.7



#19

n-Nitroso-di-n-propylamine

Concen: 72.370 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.018 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion: 70 Resp: 370745

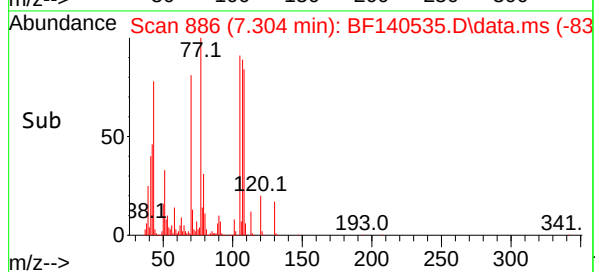
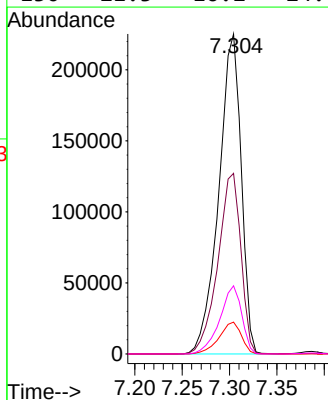
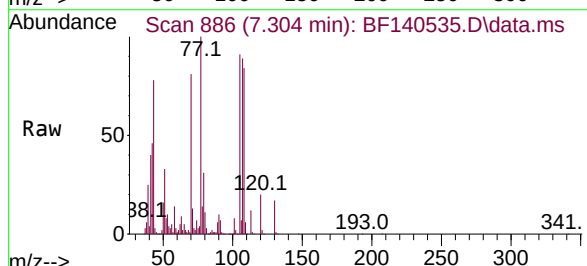
Ion Ratio Lower Upper

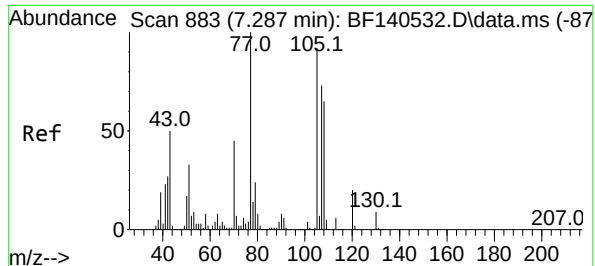
70 100

42 56.4 47.6 71.4

101 10.0 7.6 11.4

130 21.3 16.2 24.4

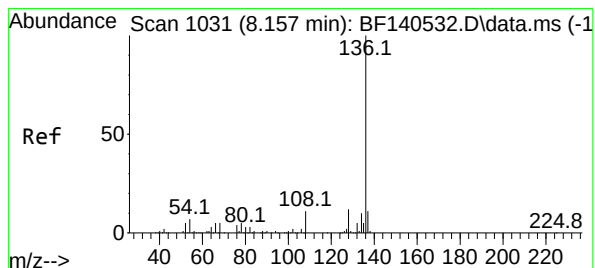
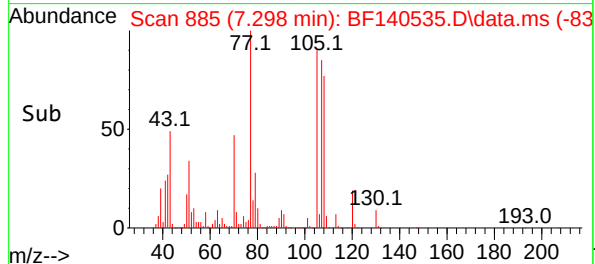
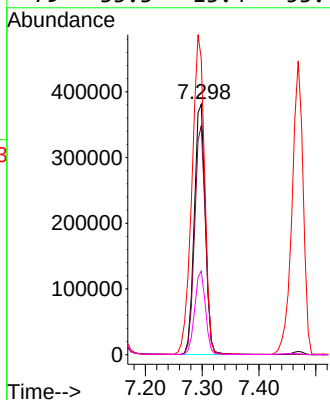
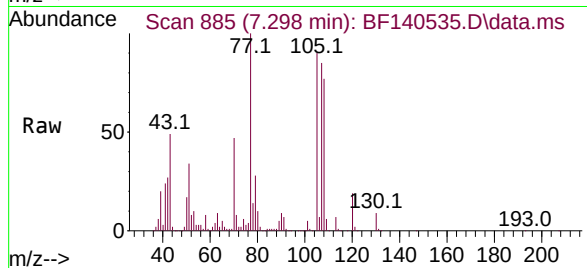




#20
3+4-Methylphenols
Concen: 71.155 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

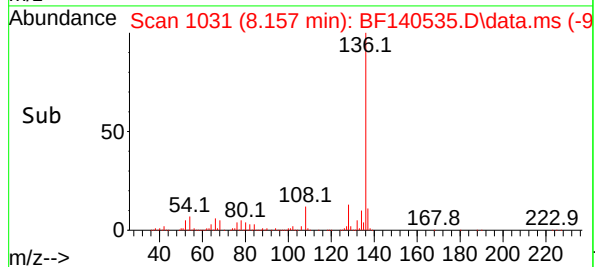
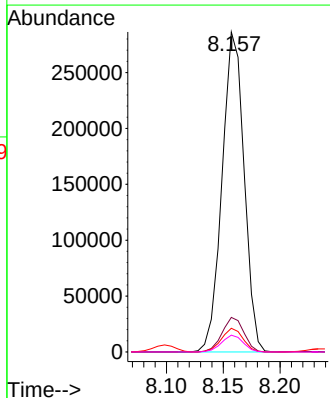
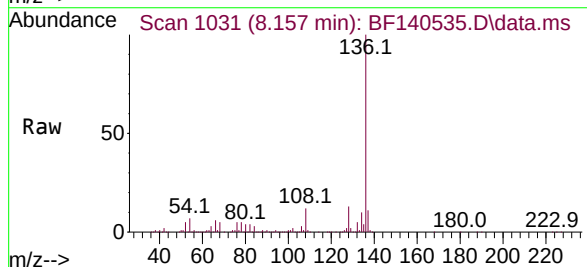
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

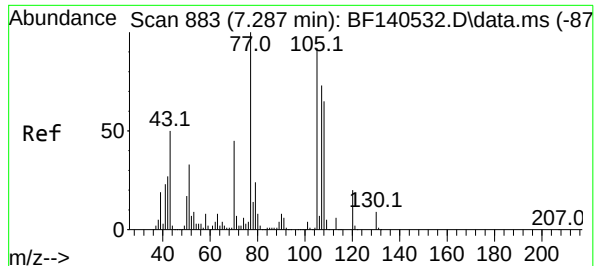
Tgt Ion:107 Resp: 516442
Ion Ratio Lower Upper
107 100
108 91.3 69.9 109.9
77 118.2 117.7 157.7
79 33.3 13.4 53.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:136 Resp: 386311
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.4 5.8 8.8
68 5.2 4.1 6.1





#22

Acetophenone

Concen: 76.727 ng

RT: 7.292 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:105 Resp: 722622

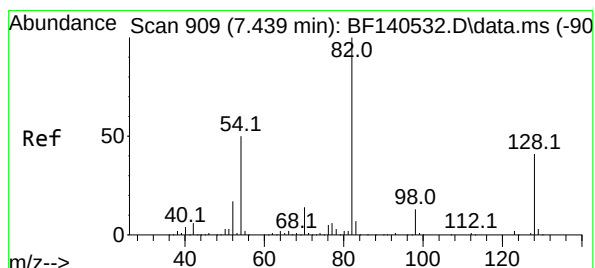
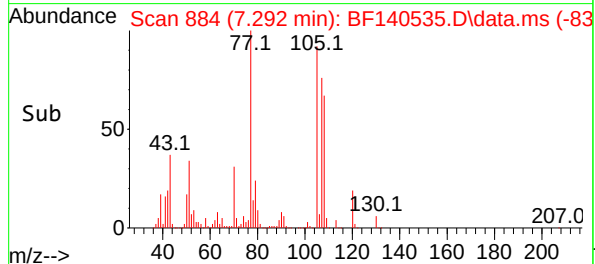
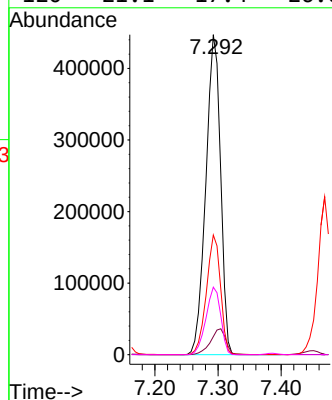
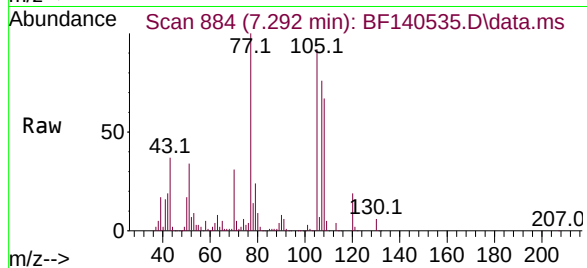
Ion Ratio Lower Upper

105 100

71 5.6 6.2 9.2#

51 37.4 29.0 43.6

120 21.1 17.4 26.0



#23

Nitrobenzene-d5

Concen: 156.830 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

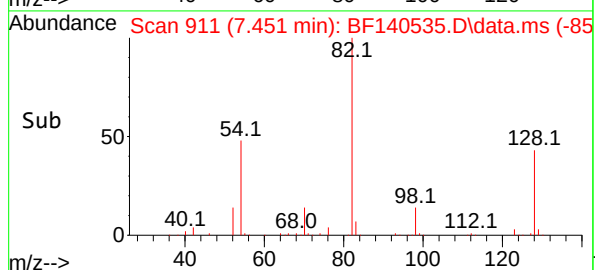
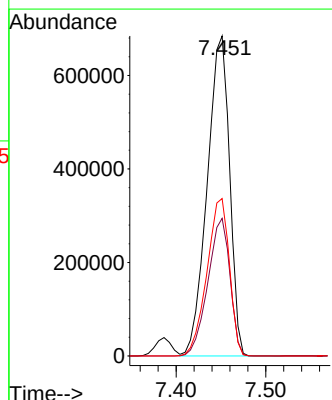
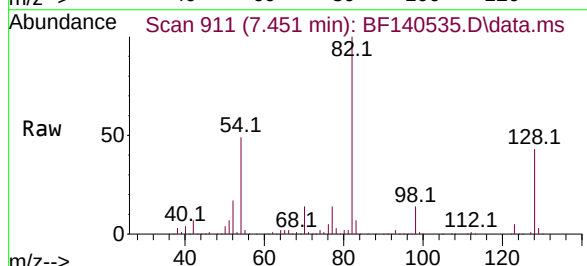
Tgt Ion: 82 Resp: 1184453

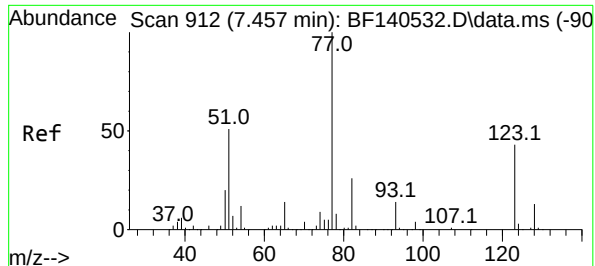
Ion Ratio Lower Upper

82 100

128 43.0 33.0 49.4

54 49.2 39.5 59.3

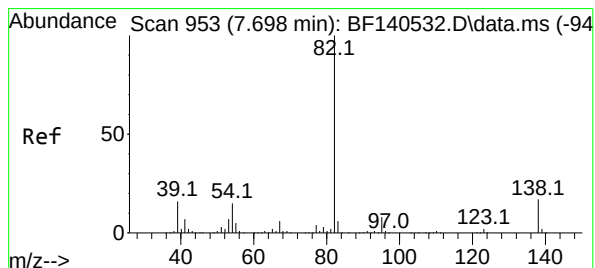
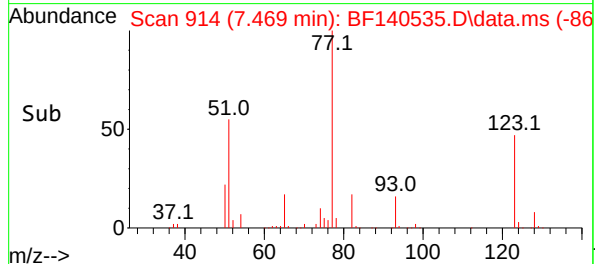
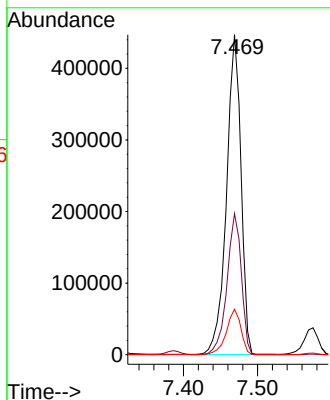
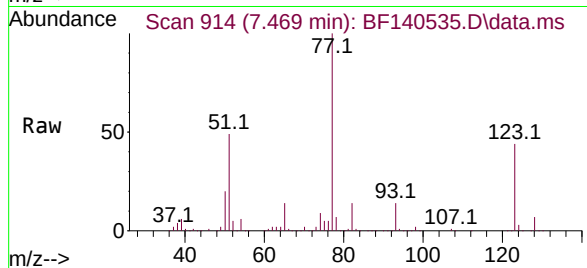




#24
Nitrobenzene
Concen: 77.534 ng
RT: 7.469 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

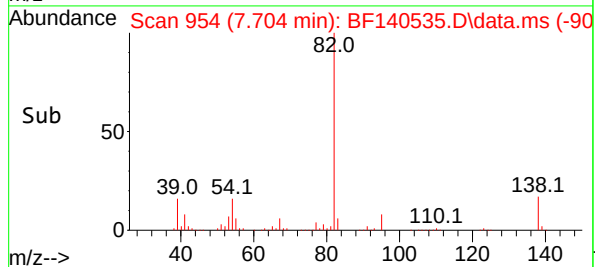
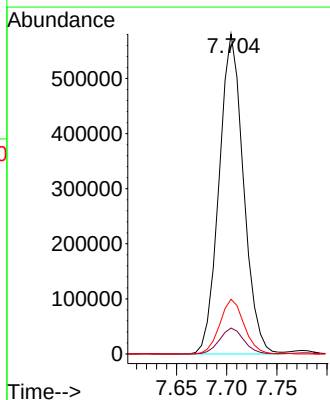
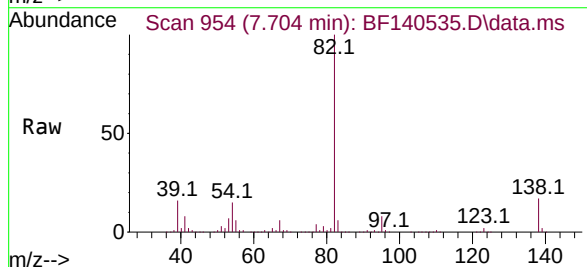
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

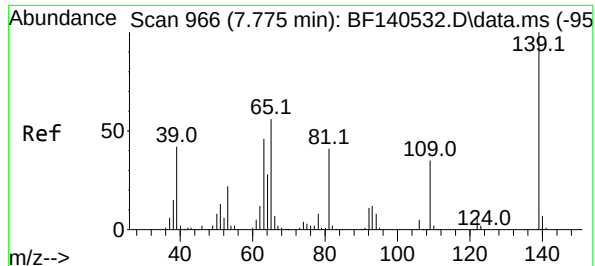
Tgt Ion: 77 Resp: 605207
Ion Ratio Lower Upper
77 100
123 44.1 34.3 51.5
65 14.2 11.2 16.8



#25
Isophorone
Concen: 77.937 ng
RT: 7.704 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 82 Resp: 981772
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 17.1 13.8 20.6





#26

2-Nitrophenol

Concen: 80.298 ng

RT: 7.775 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

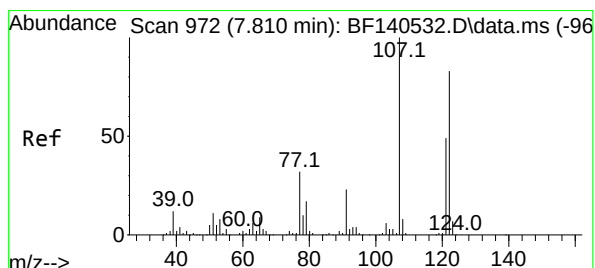
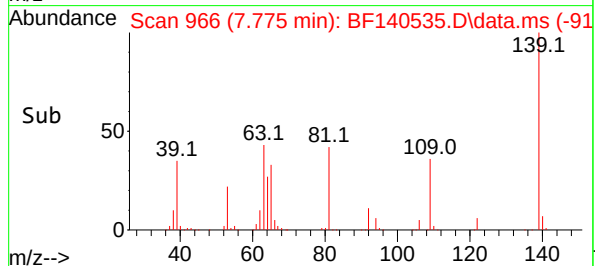
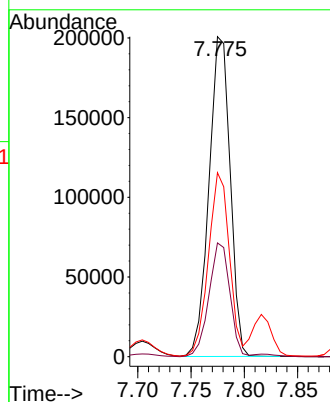
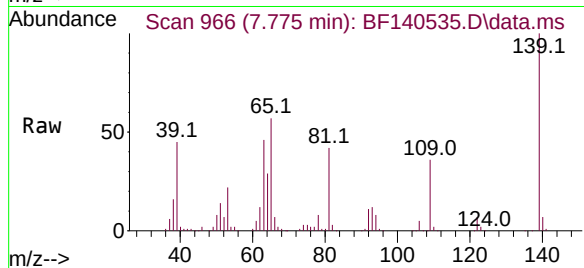
Tgt Ion:139 Resp: 277762

Ion Ratio Lower Upper

139 100

109 35.5 28.0 42.0

65 57.5 44.6 67.0



#27

2,4-Dimethylphenol

Concen: 81.241 ng

RT: 7.816 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

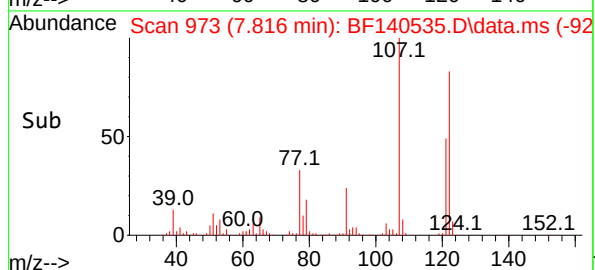
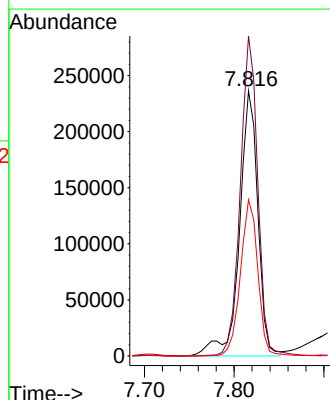
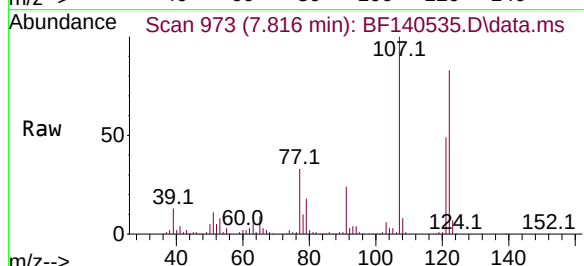
Tgt Ion:122 Resp: 336239

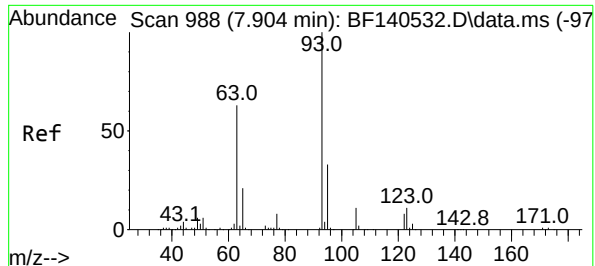
Ion Ratio Lower Upper

122 100

107 120.7 96.8 145.2

121 58.9 47.4 71.0

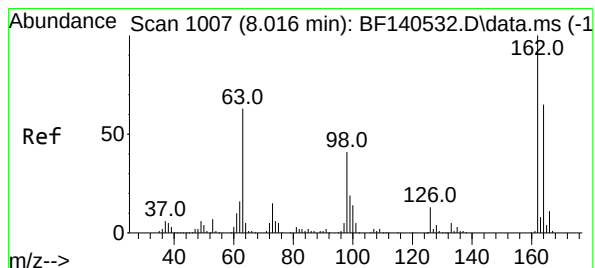
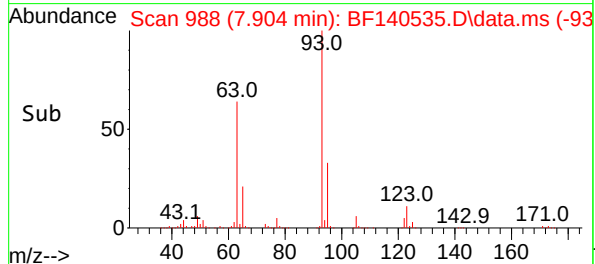
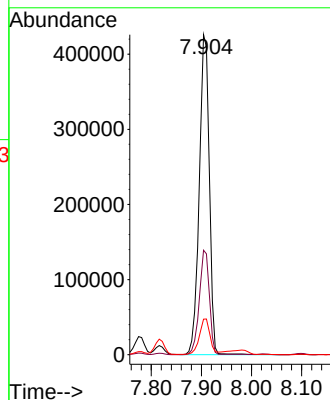
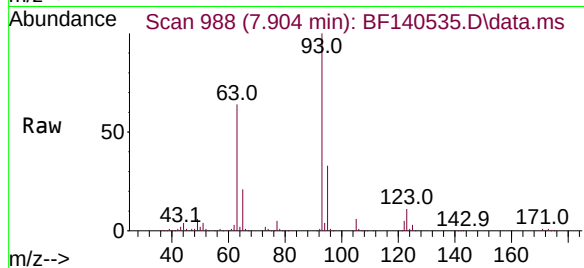




#28
bis(2-Chloroethoxy)methane
Concen: 77.128 ng
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

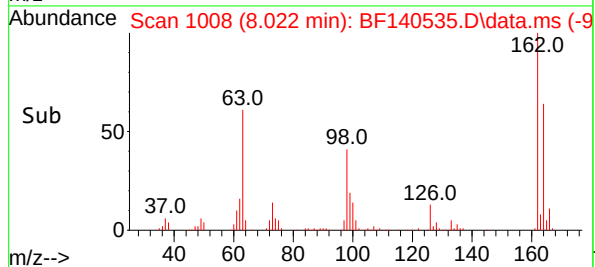
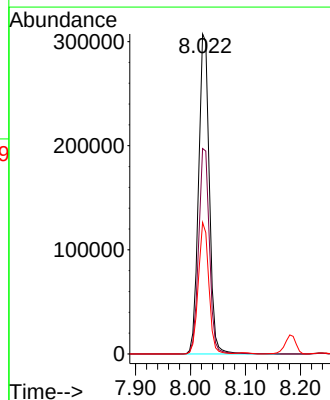
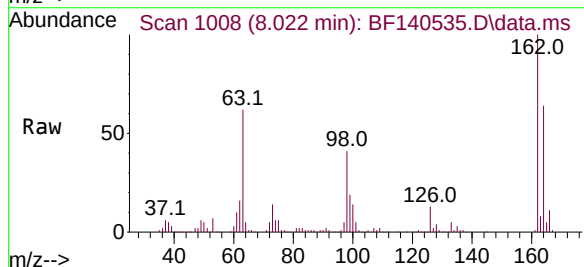
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

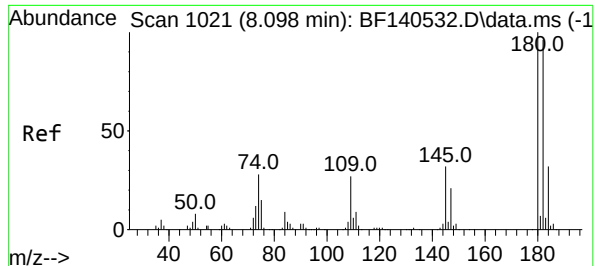
Tgt Ion: 93 Resp: 591884
Ion Ratio Lower Upper
93 100
95 32.6 26.1 39.1
123 11.1 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 76.344 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 162 Resp: 418686
Ion Ratio Lower Upper
162 100
164 64.2 44.8 84.8
98 41.1 21.2 61.2





#30

1,2,4-Trichlorobenzene

Concen: 76.997 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

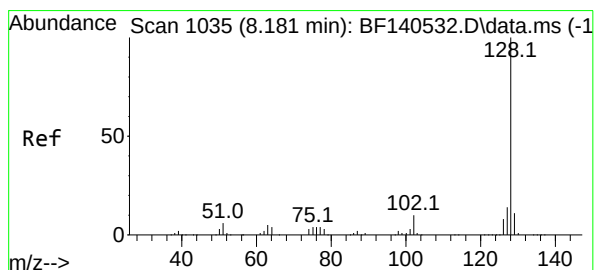
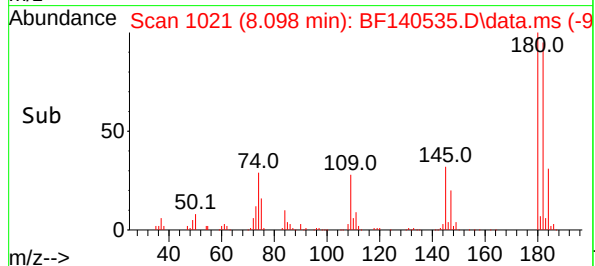
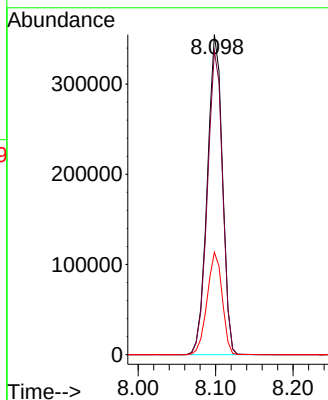
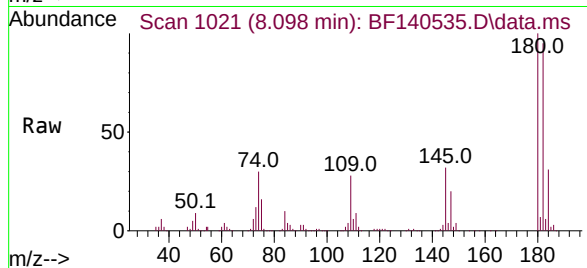
Tgt Ion:180 Resp: 482134

Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

145 32.0 25.9 38.9



#31

Naphthalene

Concen: 75.309 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

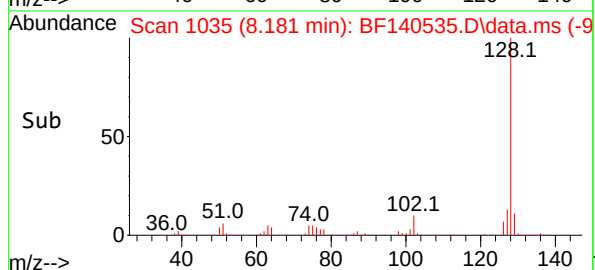
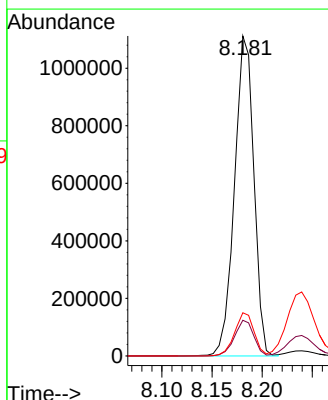
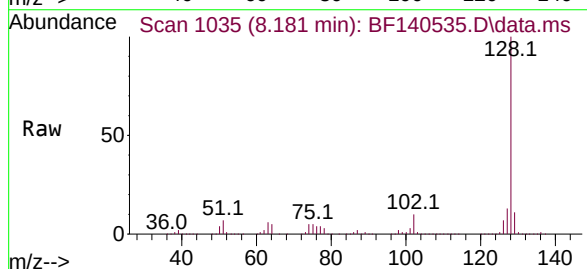
Tgt Ion:128 Resp: 1498520

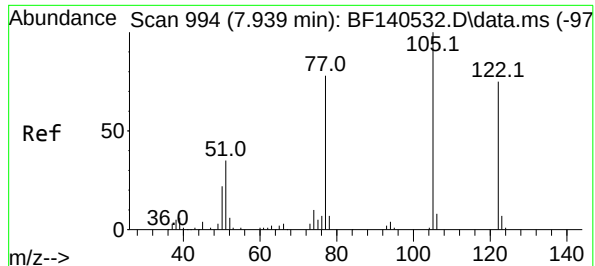
Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.5 10.8 16.2





#32

Benzoic acid

Concen: 81.021 ng

RT: 7.981 min Scan# 1001

Delta R.T. 0.042 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

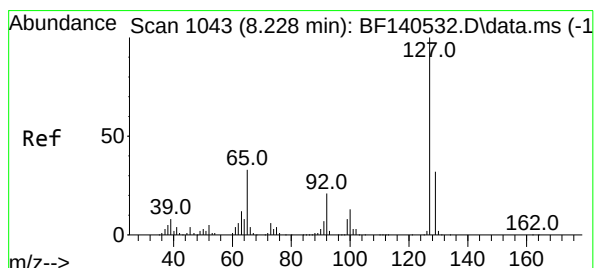
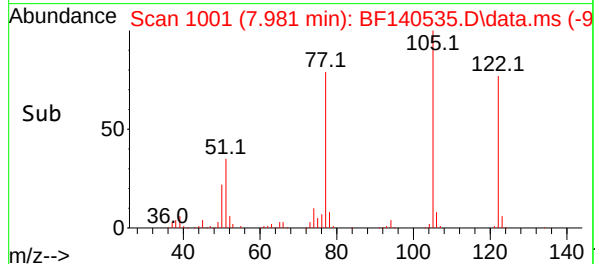
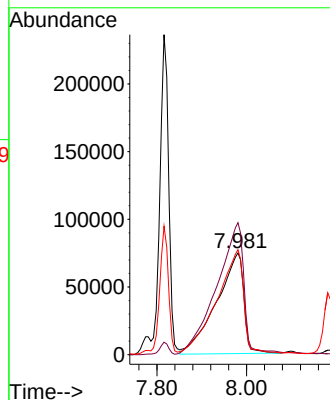
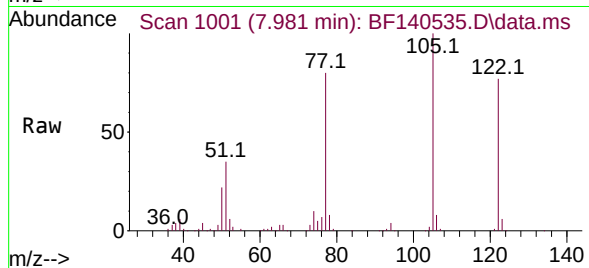
Tgt Ion:122 Resp: 312770

Ion Ratio Lower Upper

122 100

105 129.8 109.3 149.3

77 103.3 82.3 122.3



#33

4-Chloroaniline

Concen: 74.901 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Tgt Ion:127 Resp: 446235

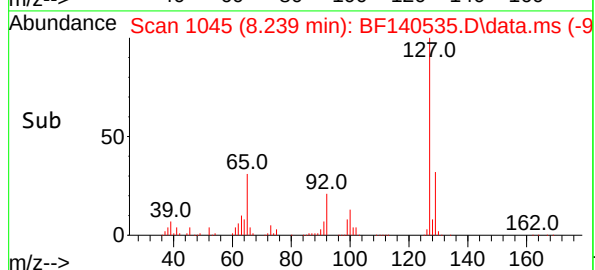
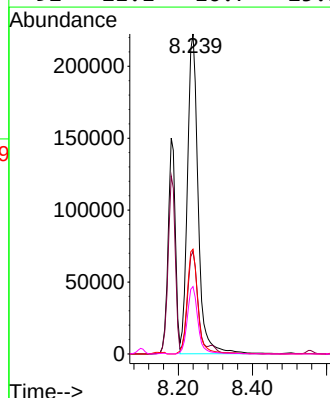
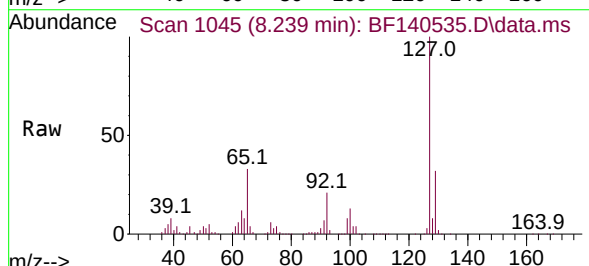
Ion Ratio Lower Upper

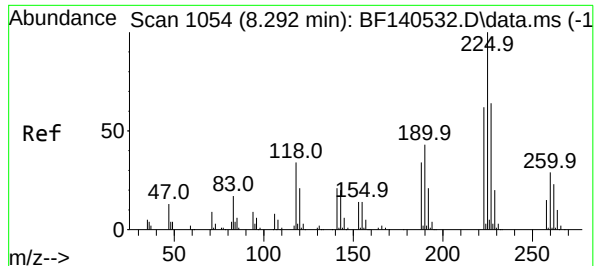
127 100

129 32.1 26.0 39.0

65 32.7 26.0 39.0

92 21.1 16.7 25.1





#34

Hexachlorobutadiene

Concen: 76.179 ng

RT: 8.292 min Scan# 1112

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

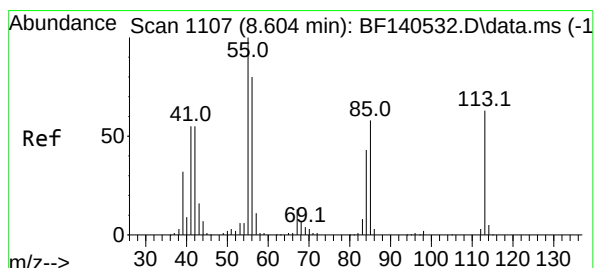
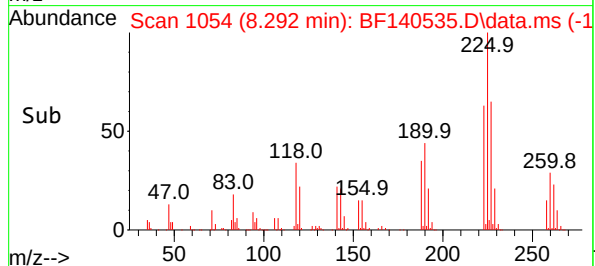
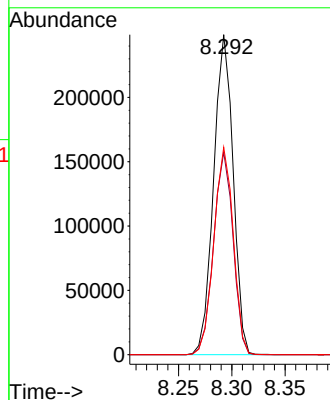
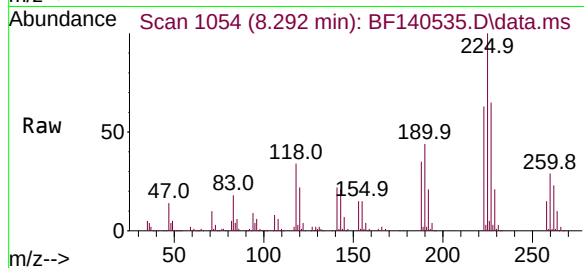
Tgt Ion:225 Resp: 315951

Ion Ratio Lower Upper

225 100

223 63.3 49.8 74.8

227 64.8 51.3 76.9



#35

Caprolactam

Concen: 75.207 ng

RT: 8.634 min Scan# 1112

Delta R.T. 0.029 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

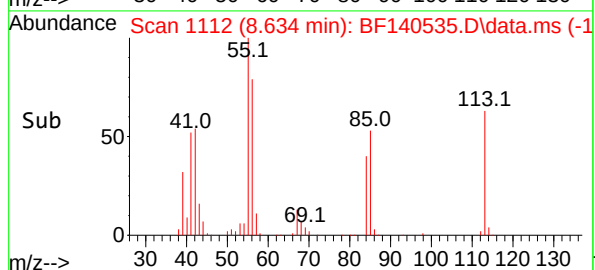
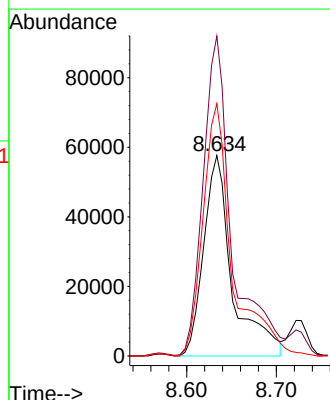
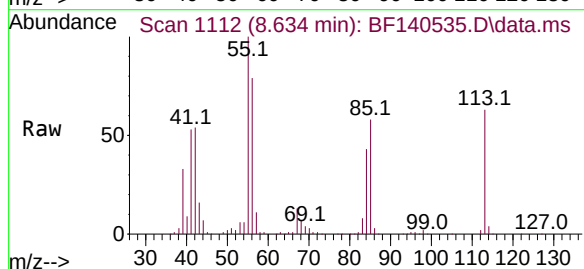
Tgt Ion:113 Resp: 127641

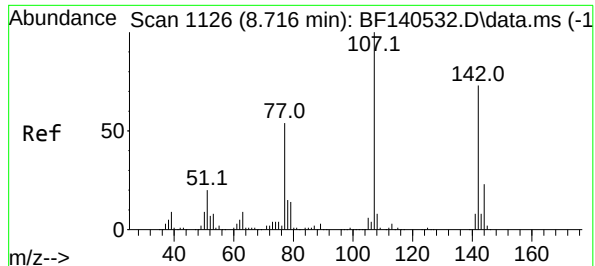
Ion Ratio Lower Upper

113 100

55 159.6 137.7 177.7

56 125.9 106.4 146.4

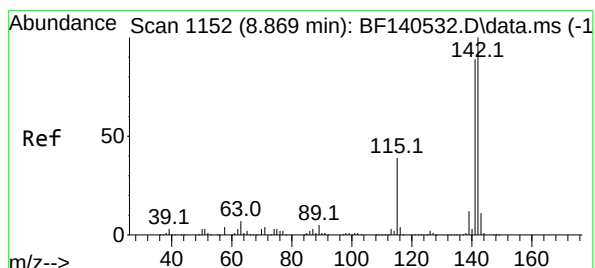
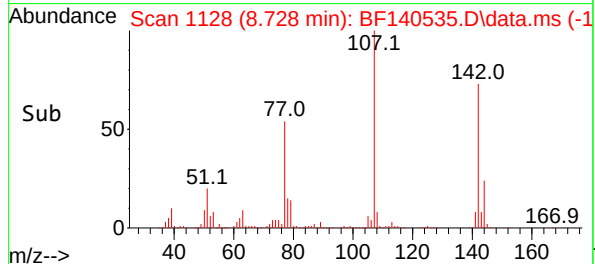
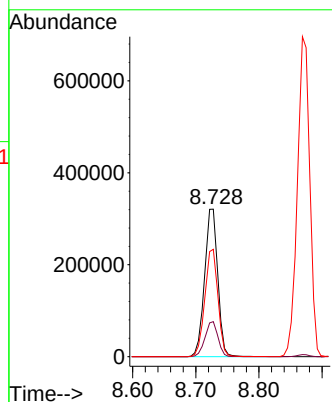
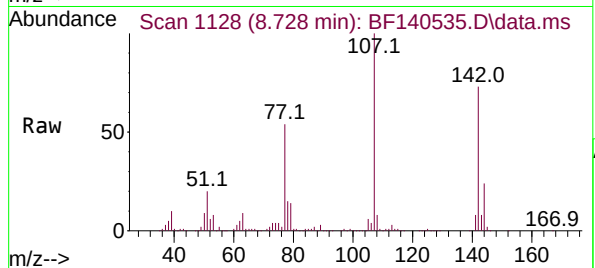




#36
4-Chloro-3-methylphenol
Concen: 75.759 ng
RT: 8.728 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

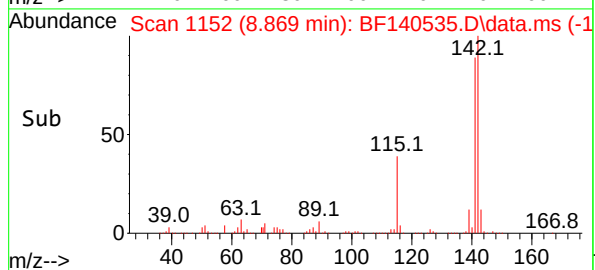
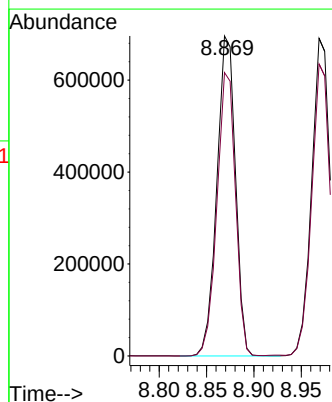
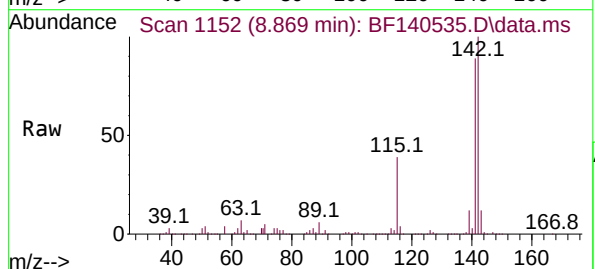
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

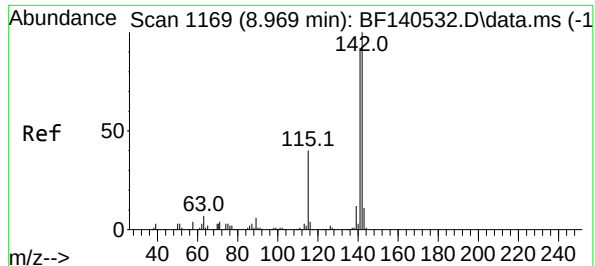
Tgt Ion:107 Resp: 465184
Ion Ratio Lower Upper
107 100
144 23.7 18.7 28.1
142 72.8 58.3 87.5



#37
2-Methylnaphthalene
Concen: 75.136 ng
RT: 8.869 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:142 Resp: 949611
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6

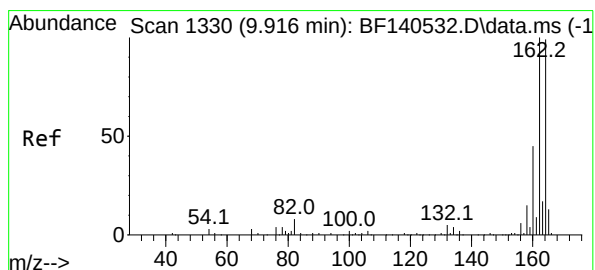
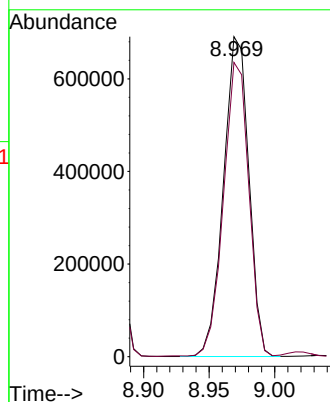
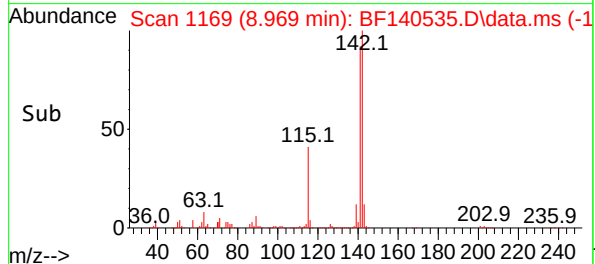
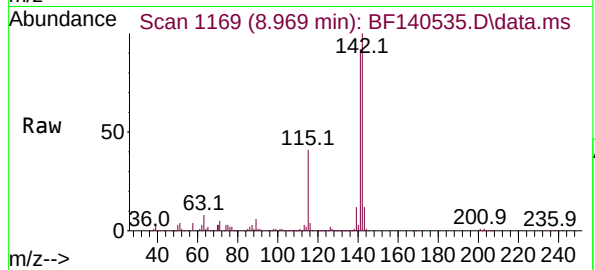




#38
1-Methylnaphthalene
Concen: 74.987 ng
RT: 8.969 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

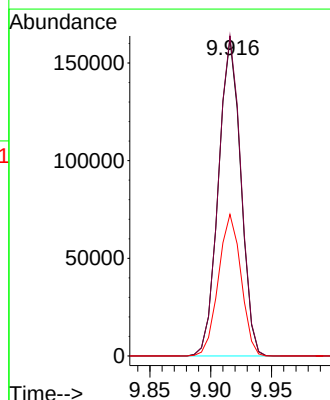
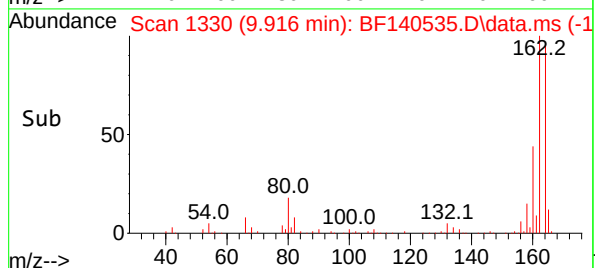
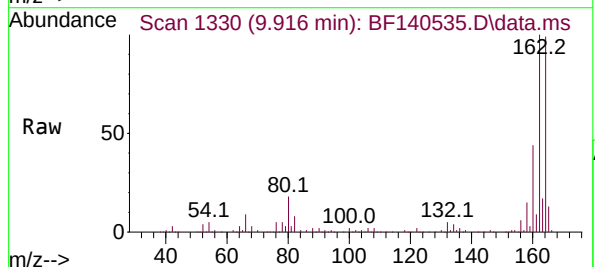
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

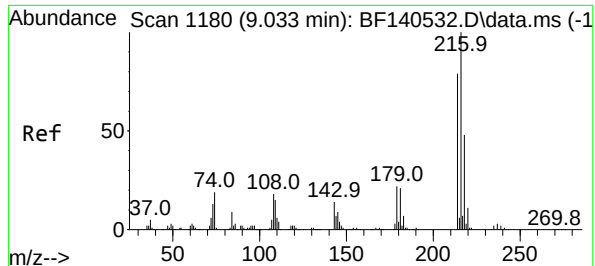
Tgt Ion:142 Resp: 928964
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:164 Resp: 207499
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 44.7 36.2 54.4

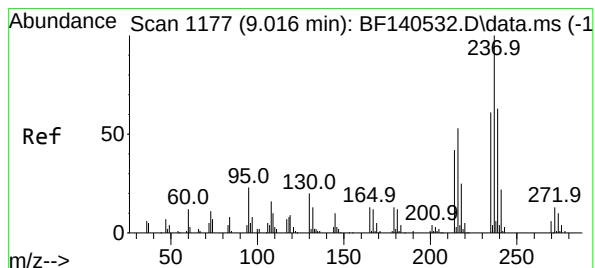
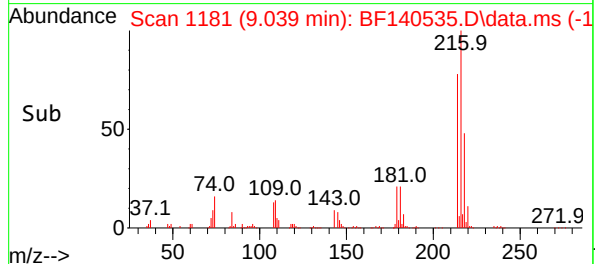
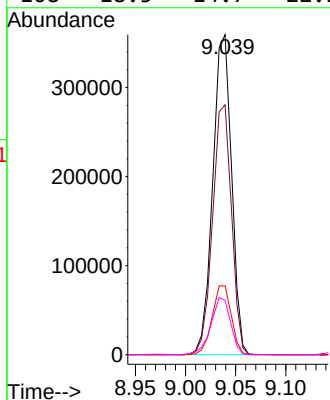
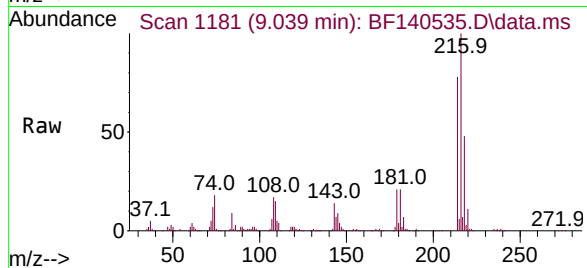




#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.147 ng
RT: 9.039 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

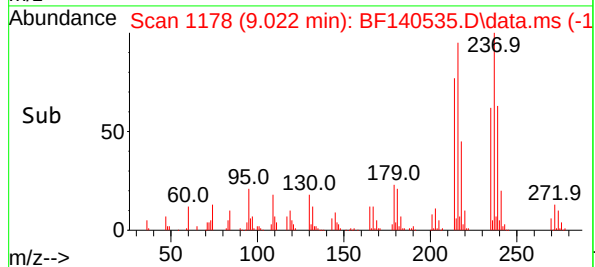
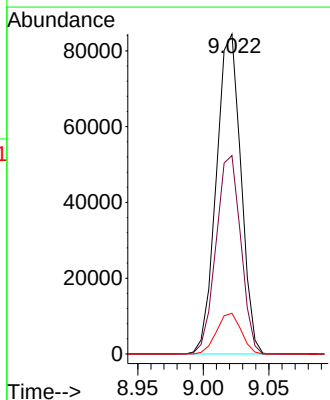
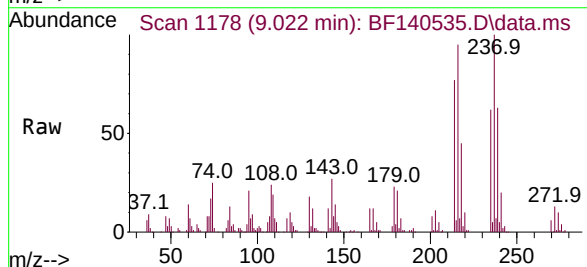
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

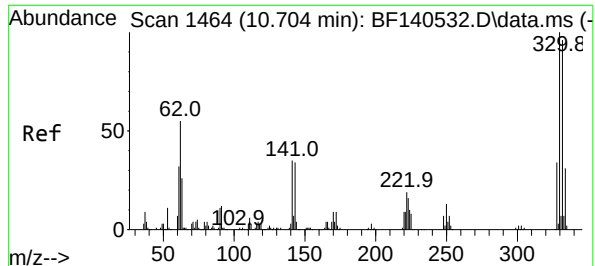
Tgt Ion:216 Resp: 468632
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.4
179 21.9 17.5 26.3
108 18.5 14.7 22.1



#41
Hexachlorocyclopentadiene
Concen: 80.520 ng
RT: 9.022 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:237 Resp: 110015
Ion Ratio Lower Upper
237 100
235 62.0 41.1 81.1
272 12.7 0.0 32.6





#42

2,4,6-Tribromophenol

Concen: 157.926 ng

RT: 10.710 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF140535.D

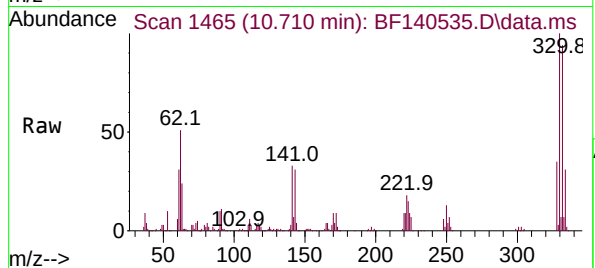
Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



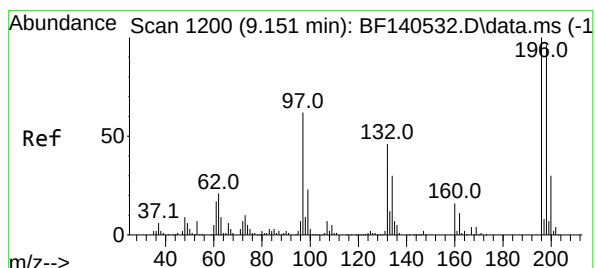
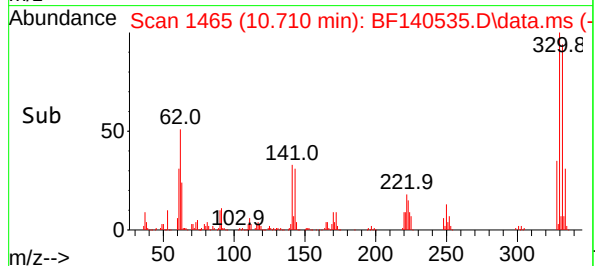
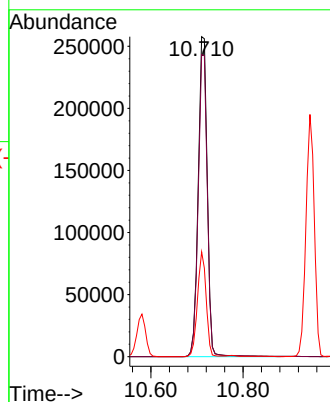
Tgt Ion:330 Resp: 350473

Ion Ratio Lower Upper

330 100

332 94.7 76.9 115.3

141 31.4 26.7 40.1



#43

2,4,6-Trichlorophenol

Concen: 79.446 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

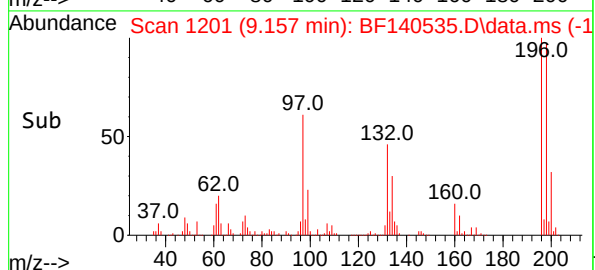
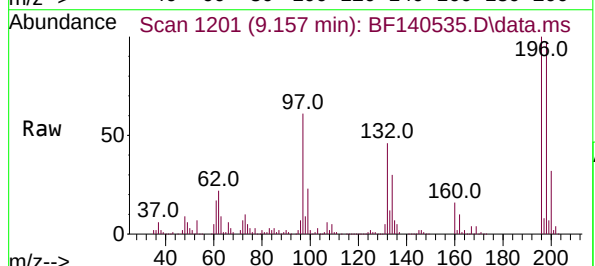
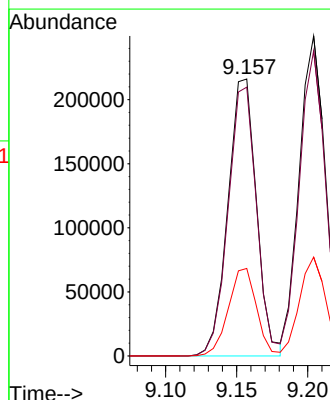
Tgt Ion:196 Resp: 302826

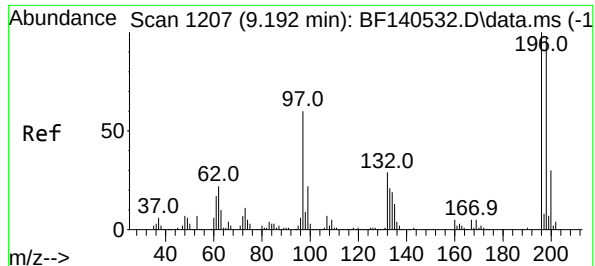
Ion Ratio Lower Upper

196 100

198 97.0 76.8 115.2

200 31.6 24.3 36.5

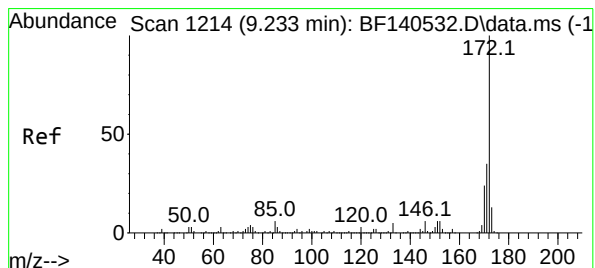
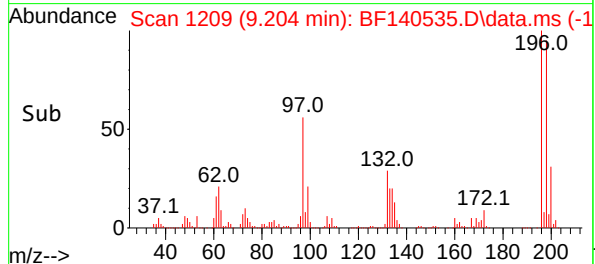
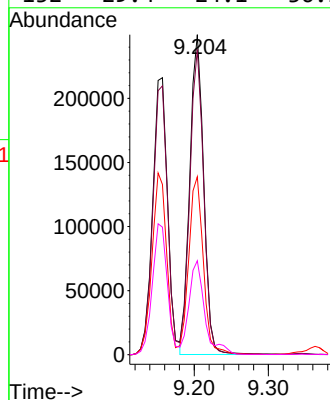
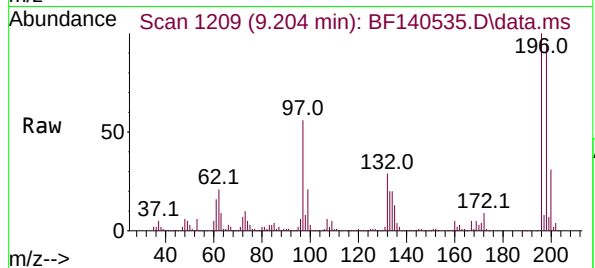




#44
2,4,5-Trichlorophenol
Concen: 78.696 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

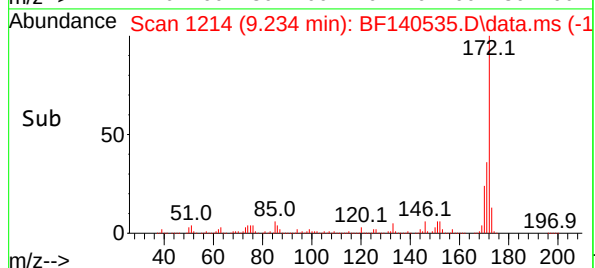
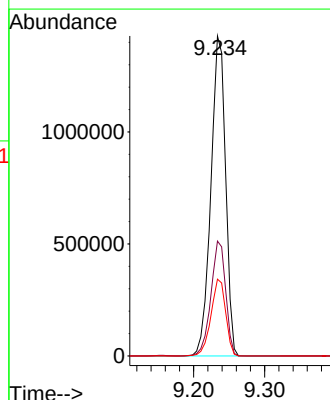
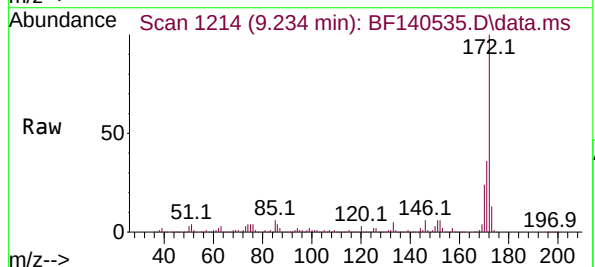
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

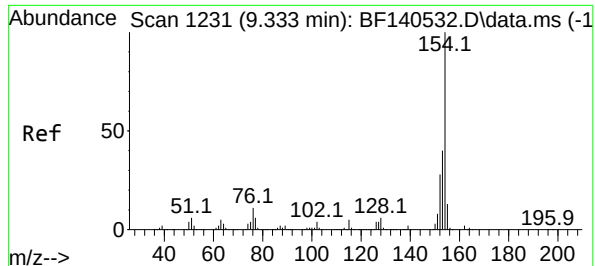
Tgt Ion:196 Resp: 325549
Ion Ratio Lower Upper
196 100
198 95.4 77.2 115.8
97 55.6 47.1 70.7
132 29.4 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 147.236 ng
RT: 9.234 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:172 Resp: 2050501
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.0 19.0 28.6

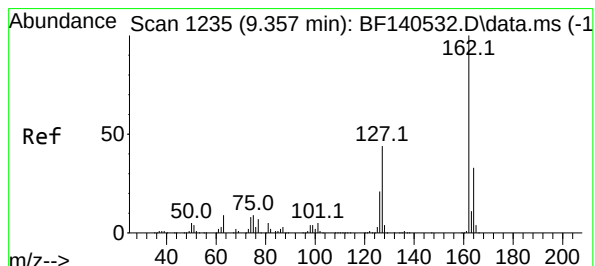
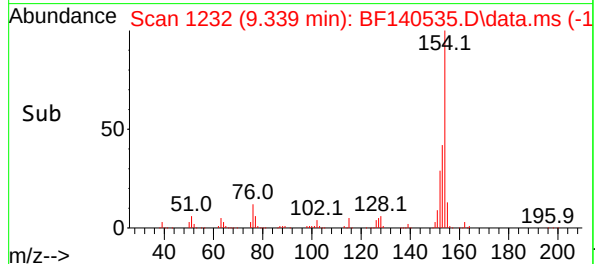
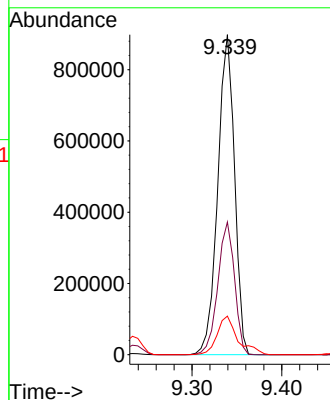
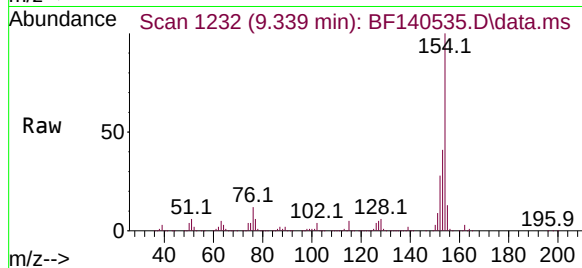




#46
1,1'-Biphenyl
Concen: 75.141 ng
RT: 9.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

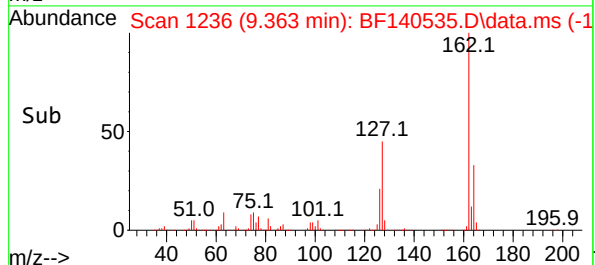
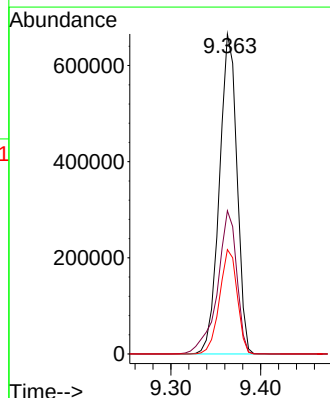
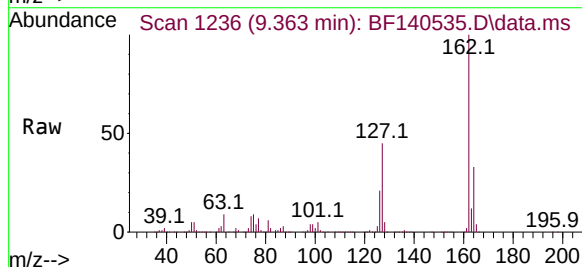
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

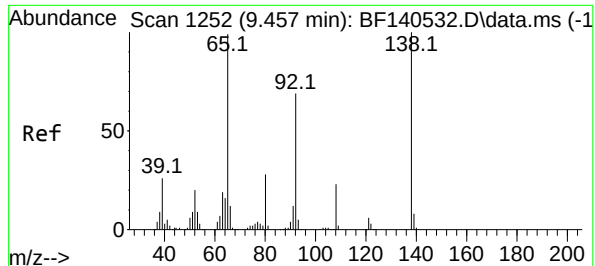
Tgt Ion:154 Resp: 1164092
Ion Ratio Lower Upper
154 100
153 41.5 20.4 60.4
76 12.1 0.0 31.2



#47
2-Chloronaphthalene
Concen: 77.151 ng
RT: 9.363 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:162 Resp: 905645
Ion Ratio Lower Upper
162 100
127 44.7 35.7 53.5
164 32.6 26.1 39.1

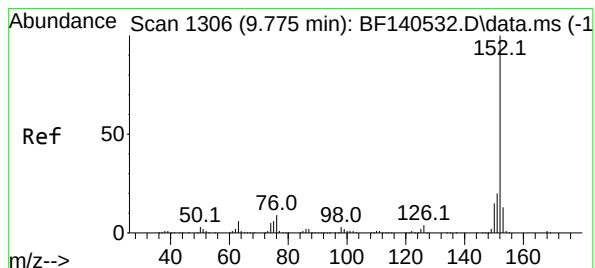
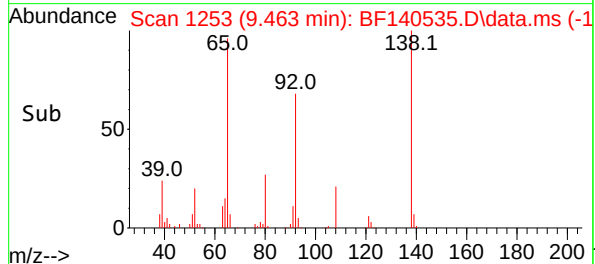
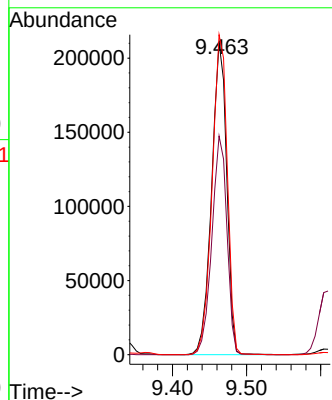
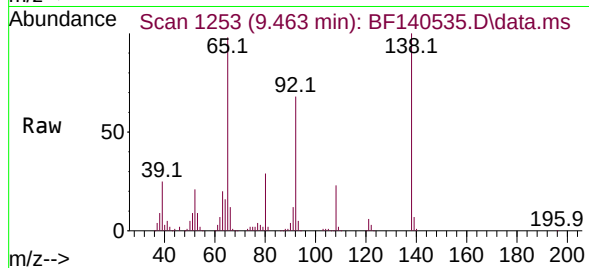




#48
2-Nitroaniline
Concen: 79.040 ng
RT: 9.463 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

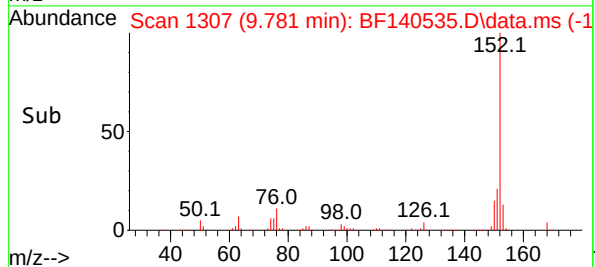
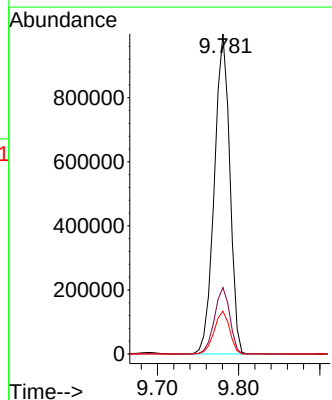
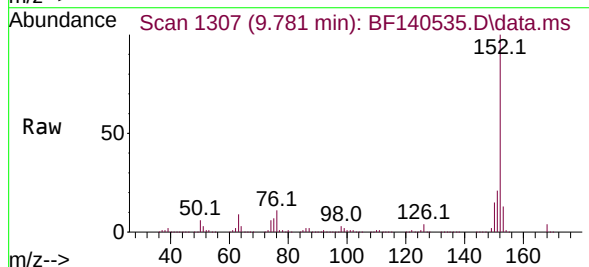
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

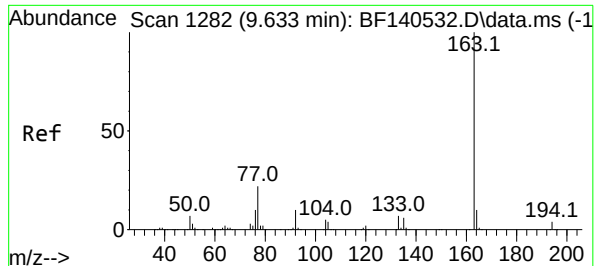
Tgt Ion: 65 Resp: 297813
Ion Ratio Lower Upper
65 100
92 70.1 56.1 84.1
138 102.5 81.0 121.6



#49
Acenaphthylene
Concen: 74.411 ng
RT: 9.781 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 152 Resp: 1319777
Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 13.4 10.6 16.0

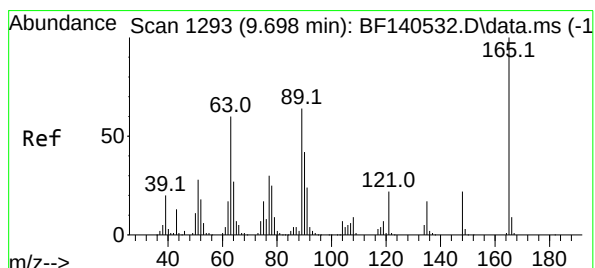
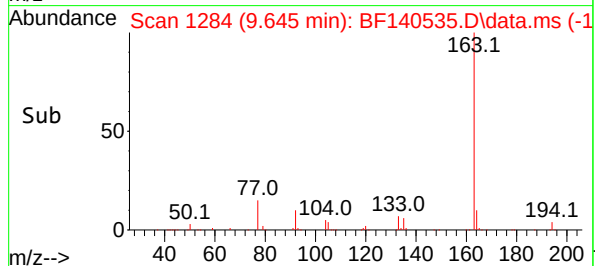
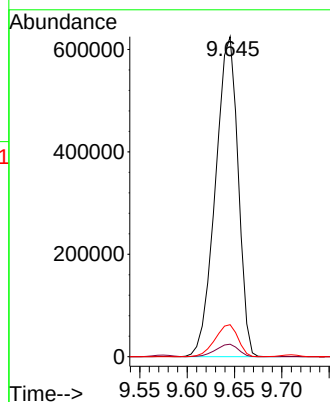
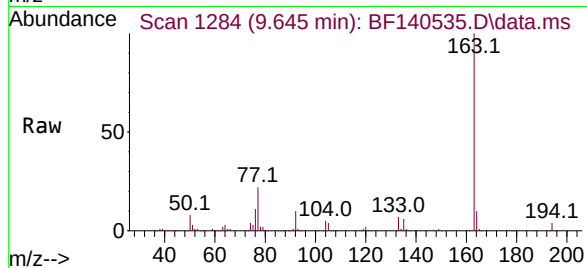




#50
Dimethylphthalate
Concen: 76.177 ng
RT: 9.645 min Scan# 1282
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

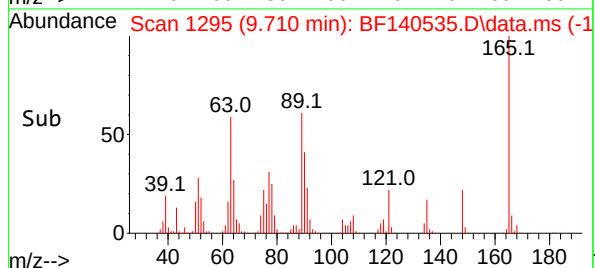
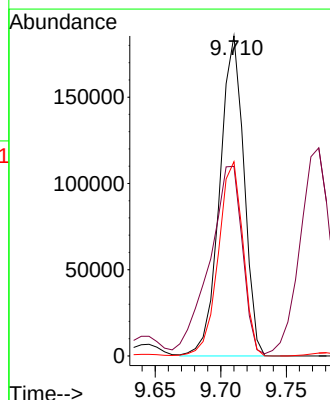
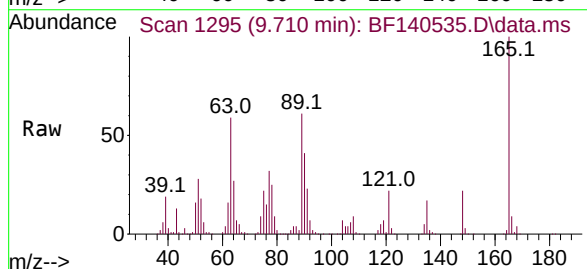
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

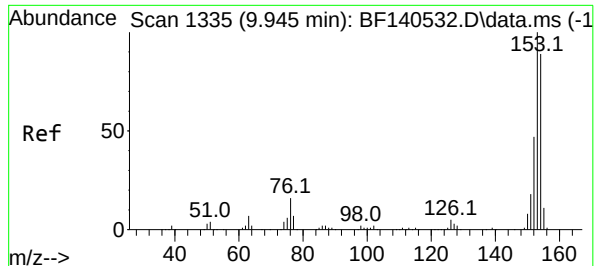
Tgt Ion:163 Resp: 1041011
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 76.693 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

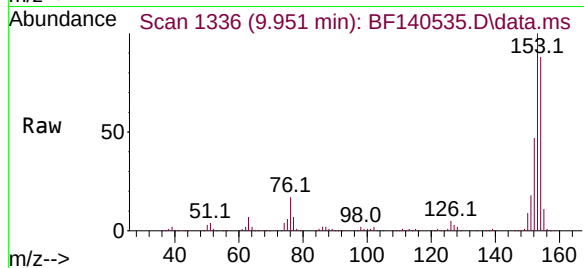
Tgt Ion:165 Resp: 237697
Ion Ratio Lower Upper
165 100
63 59.3 49.9 74.9
89 60.7 50.9 76.3



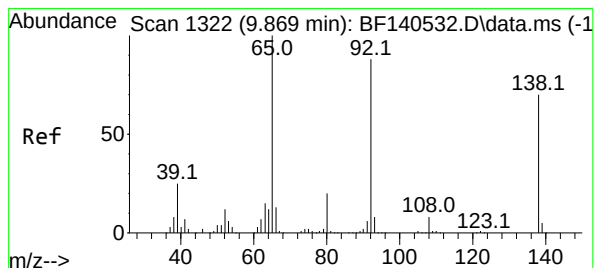
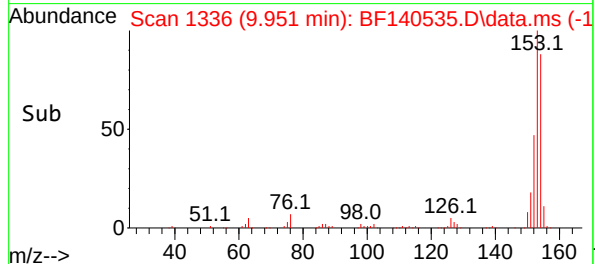
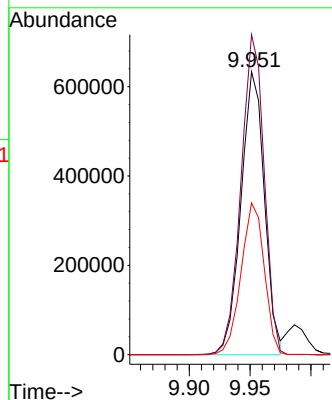


#52
Acenaphthene
Concen: 74.130 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

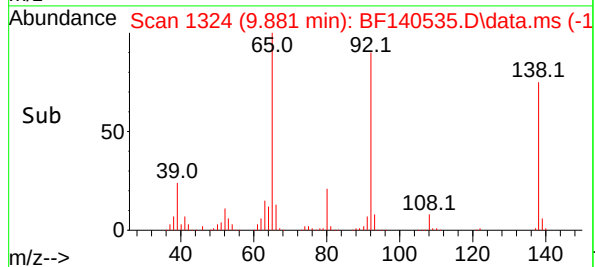
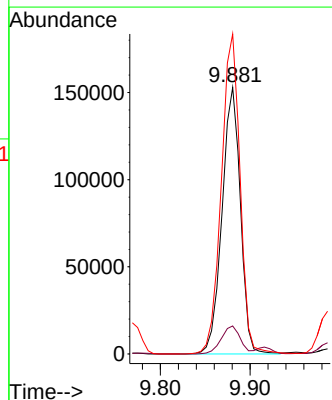
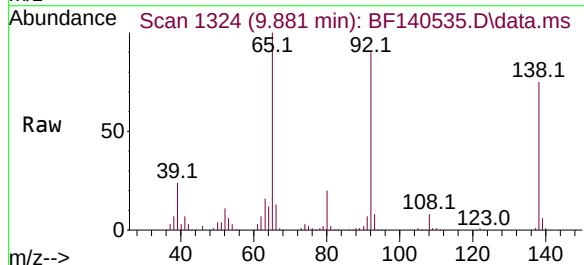


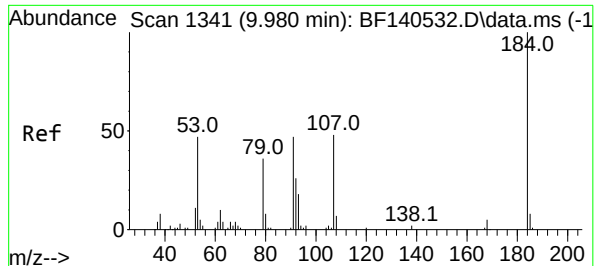
Tgt Ion:154 Resp: 851353
Ion Ratio Lower Upper
154 100
153 113.0 89.7 134.5
152 53.7 42.5 63.7



#53
3-Nitroaniline
Concen: 71.627 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:138 Resp: 217122
Ion Ratio Lower Upper
138 100
108 10.5 9.2 13.8
92 120.0 100.6 150.8





#54

2,4-Dinitrophenol

Concen: 79.725 ng

RT: 9.986 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

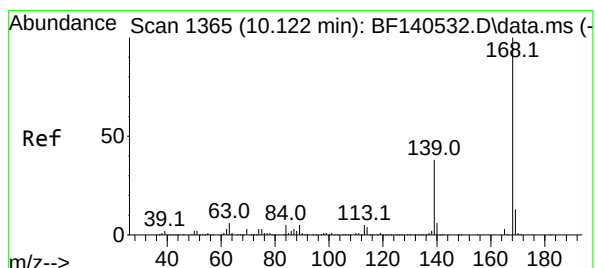
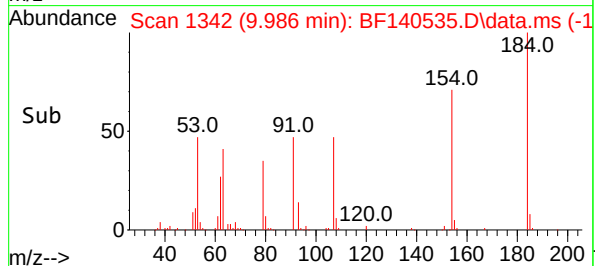
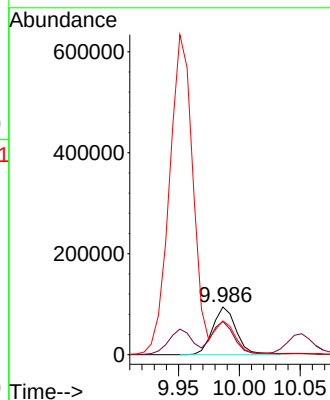
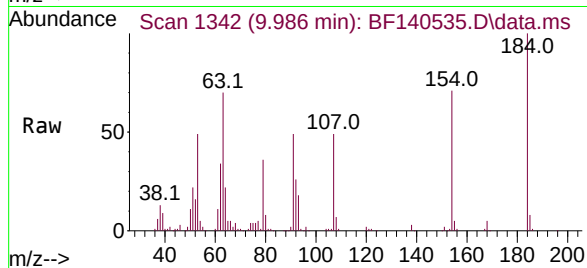
Tgt Ion:184 Resp: 127923

Ion Ratio Lower Upper

184 100

63 69.9 54.1 81.1

154 70.8 57.4 86.0



#55

Dibenzofuran

Concen: 72.868 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

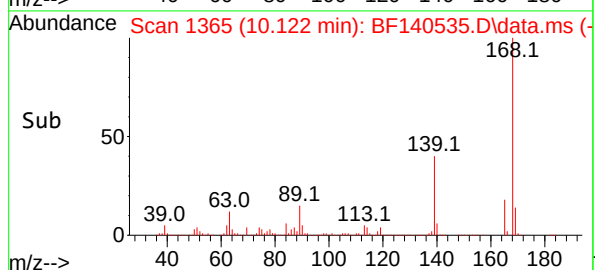
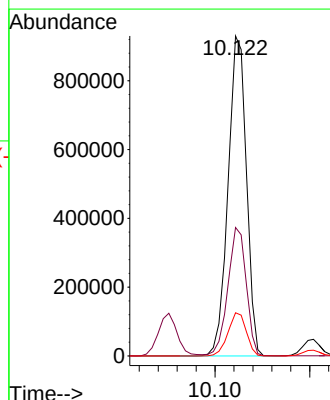
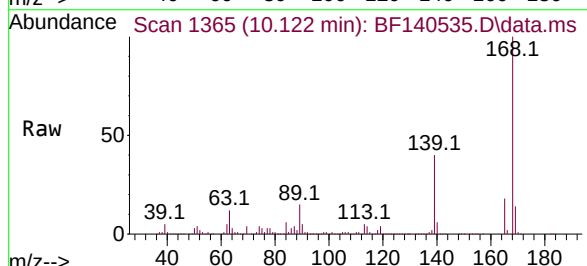
Tgt Ion:168 Resp: 1252581

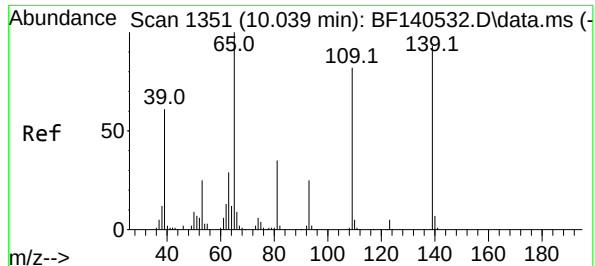
Ion Ratio Lower Upper

168 100

139 40.1 31.3 46.9

169 13.5 10.5 15.7

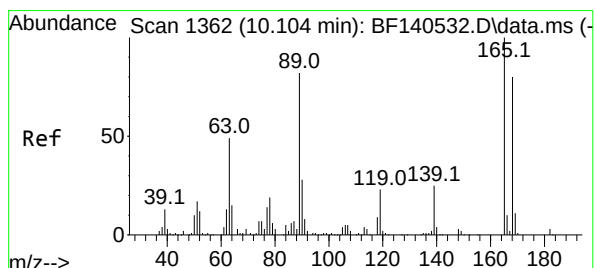
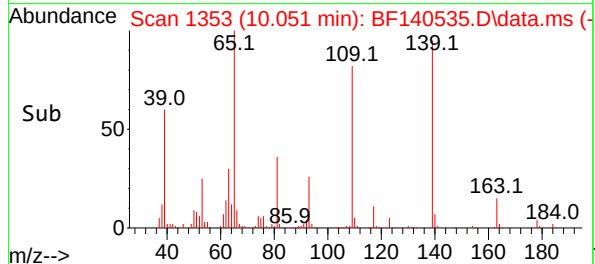
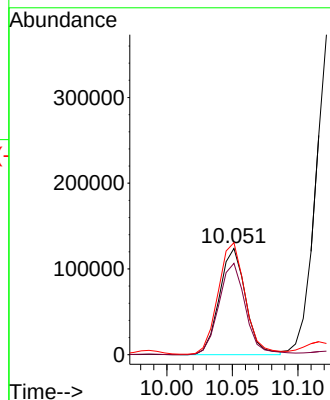
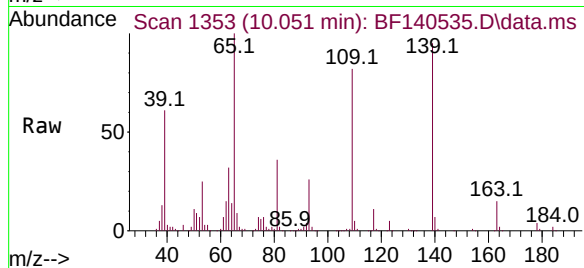




#56
4-Nitrophenol
Concen: 83.396 ng
RT: 10.051 min Scan# 1351
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

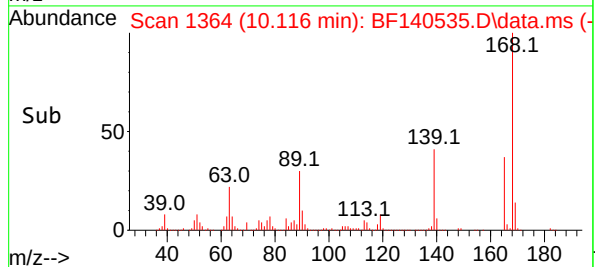
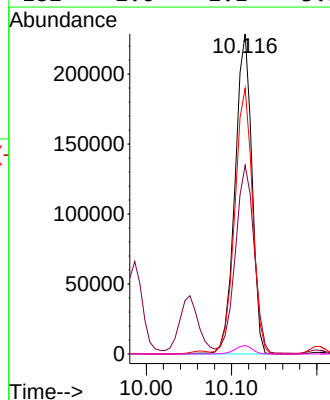
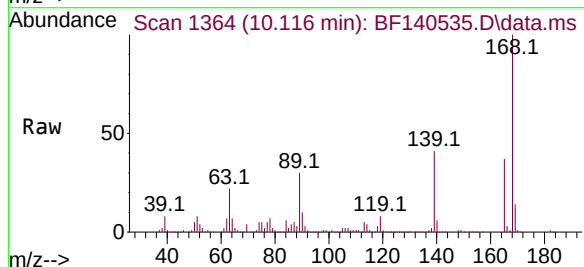
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

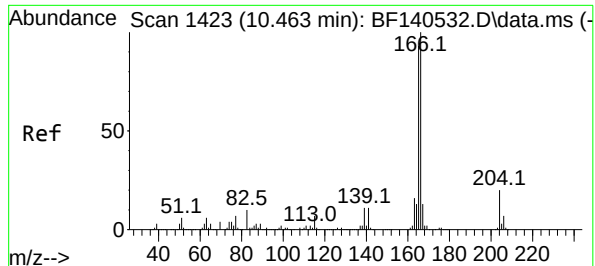
Tgt Ion:139 Resp: 172406
Ion Ratio Lower Upper
139 100
109 86.0 68.4 108.4
65 105.4 88.6 128.6



#57
2,4-Dinitrotoluene
Concen: 76.346 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:165 Resp: 314478
Ion Ratio Lower Upper
165 100
63 59.0 41.7 62.5
89 83.1 65.8 98.8
182 2.6 2.1 3.1

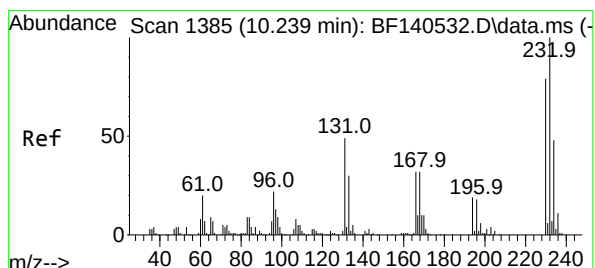
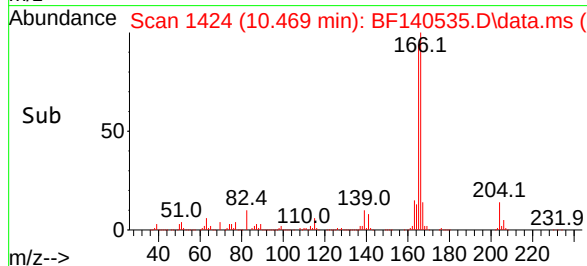
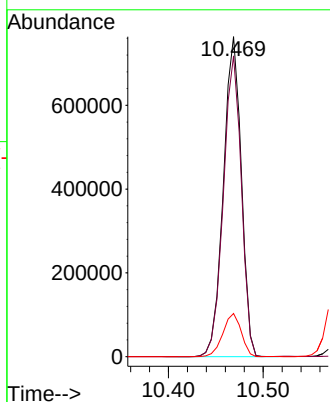
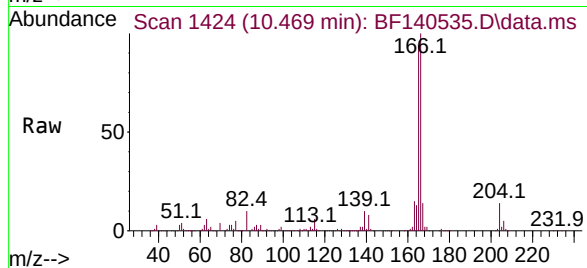




#58
Fluorene
Concen: 72.805 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

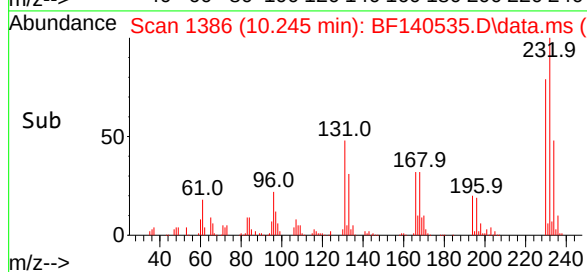
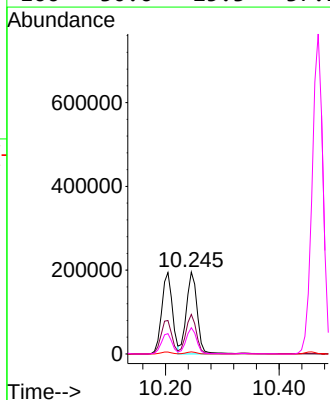
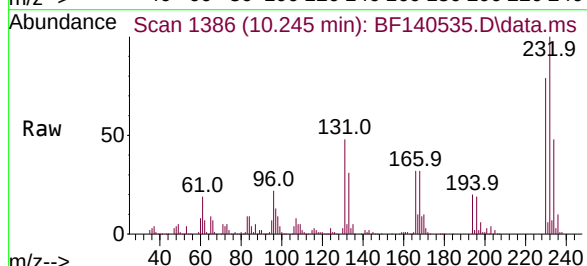
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

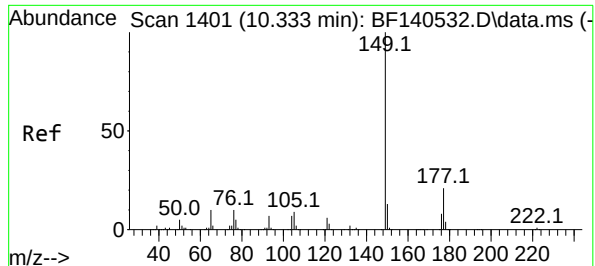
Tgt Ion:166 Resp: 1004537
Ion Ratio Lower Upper
166 100
165 94.0 74.6 111.8
167 13.5 10.6 16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 81.333 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:232 Resp: 258582
Ion Ratio Lower Upper
232 100
131 47.1 39.6 59.4
130 2.5 1.9 2.9
166 30.6 25.3 37.9

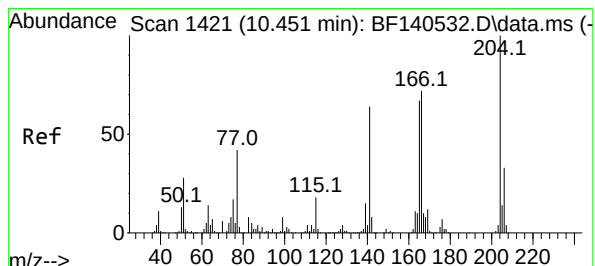
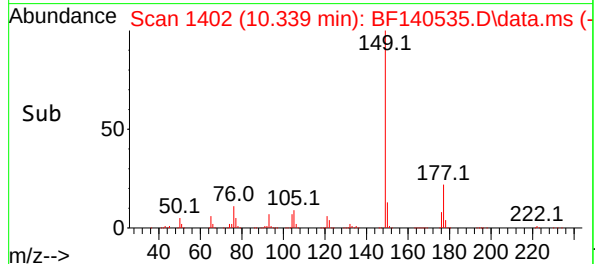
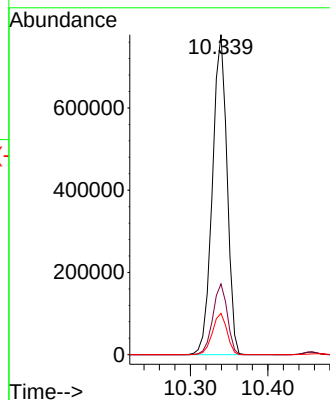
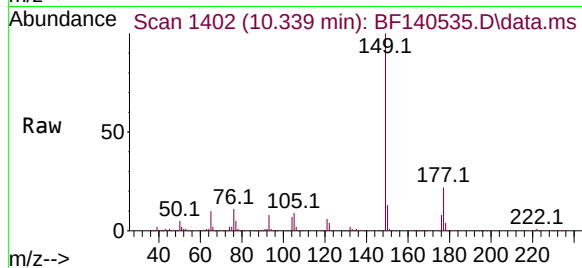




#60
Diethylphthalate
Concen: 73.747 ng
RT: 10.339 min Scan# 1401
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

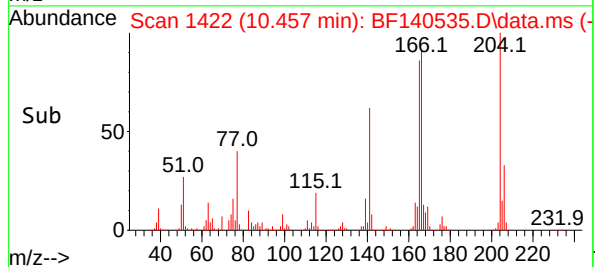
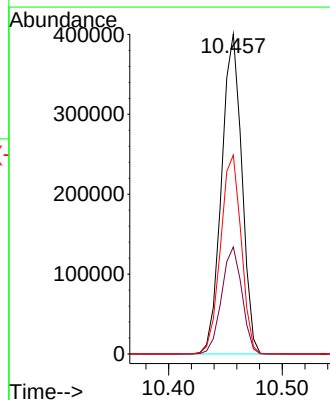
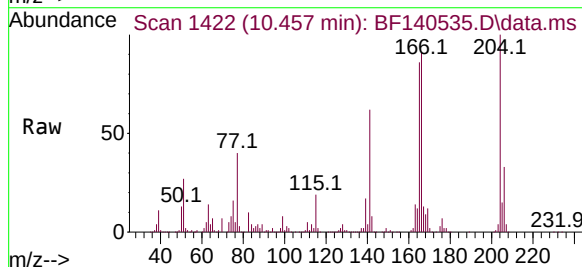
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

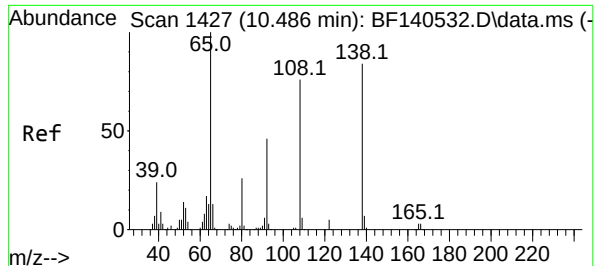
Tgt Ion:149 Resp: 1023948
Ion Ratio Lower Upper
149 100
177 22.1 17.1 25.7
150 12.9 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 73.378 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:204 Resp: 496862
Ion Ratio Lower Upper
204 100
206 33.4 26.6 40.0
141 62.1 51.1 76.7

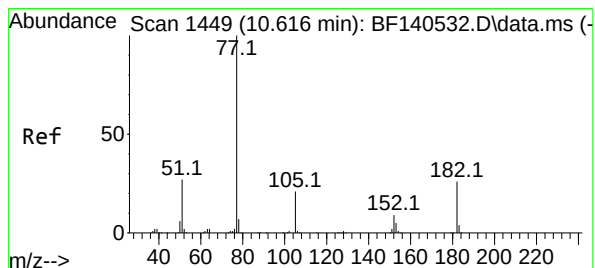
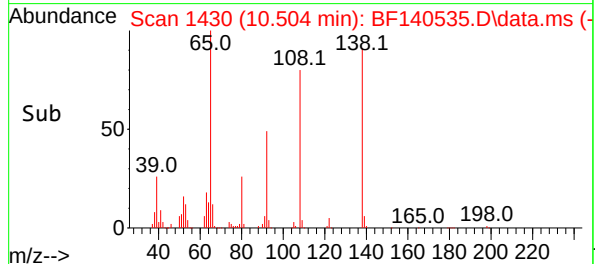
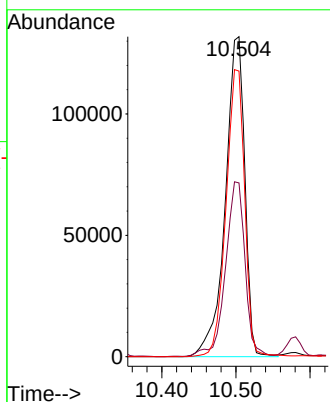
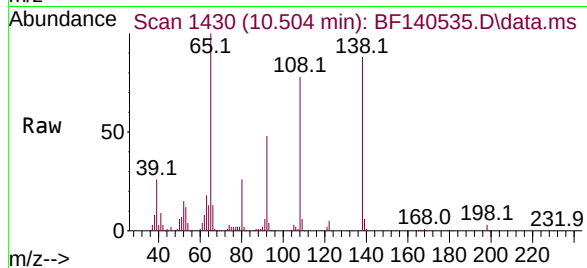




#62
4-Nitroaniline
Concen: 75.874 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.018 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

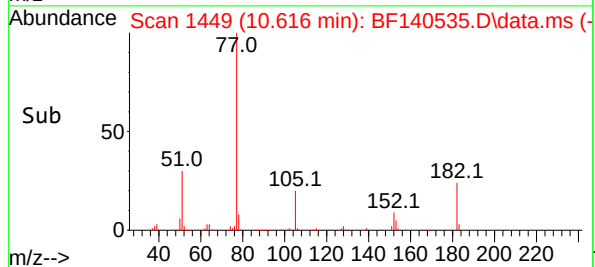
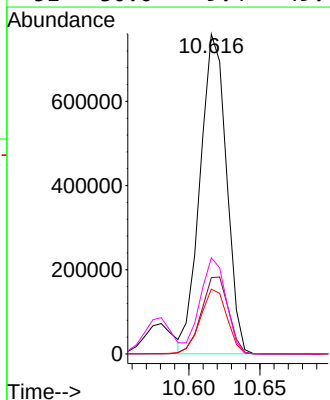
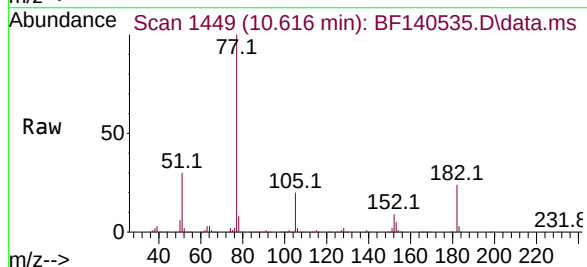
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

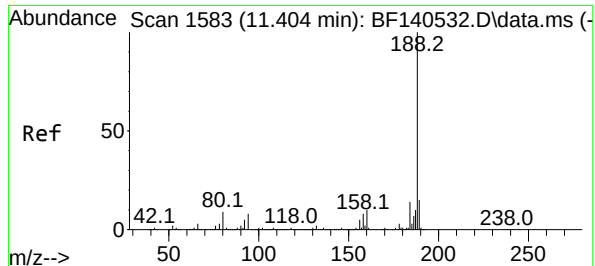
Tgt Ion:138 Resp: 241223
Ion Ratio Lower Upper
138 100
92 54.3 34.5 74.5
108 89.2 70.6 110.6



#63
Azobenzene
Concen: 74.448 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion: 77 Resp: 978891
Ion Ratio Lower Upper
77 100
182 23.8 5.3 45.3
105 20.2 0.3 40.3
51 30.0 9.4 49.4

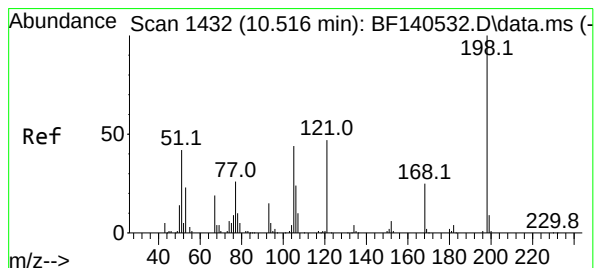
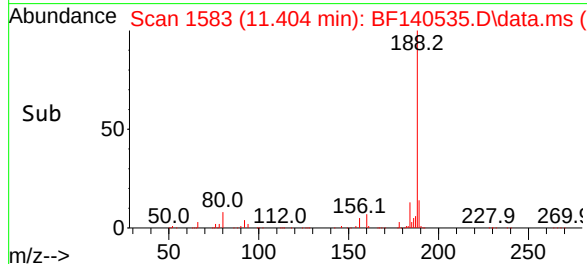
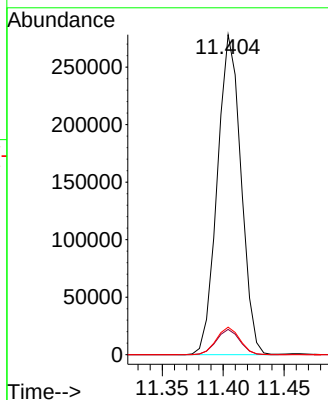
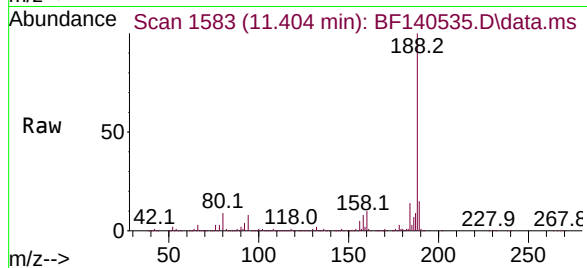




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

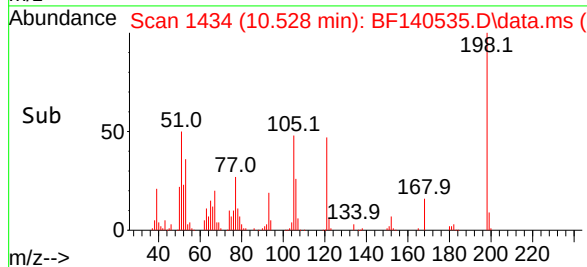
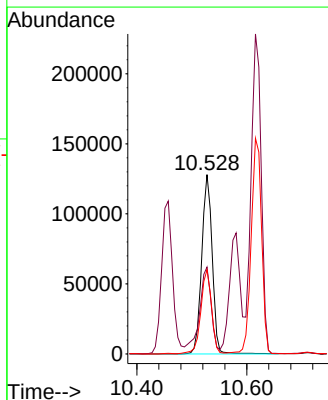
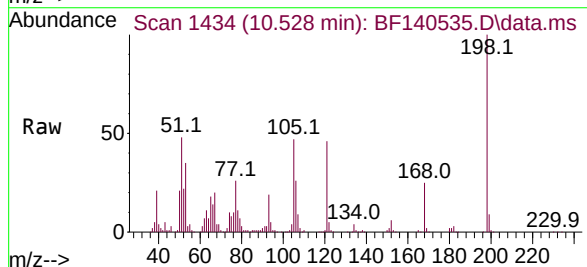
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

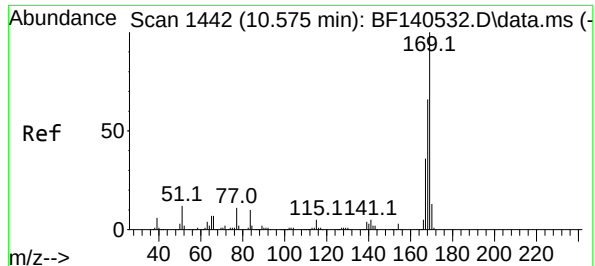
Tgt Ion:188 Resp: 377113
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.6 6.9 10.3



#65
4,6-Dinitro-2-methylphenol
Concen: 88.305 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:198 Resp: 170169
Ion Ratio Lower Upper
198 100
51 48.5 29.4 69.4
105 47.0 25.4 65.4

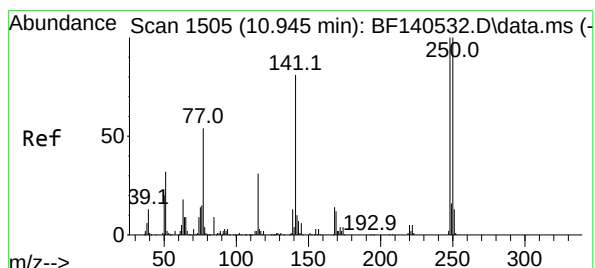
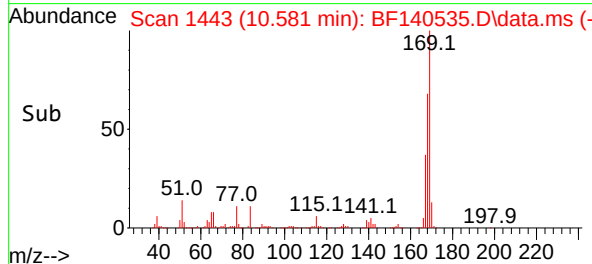
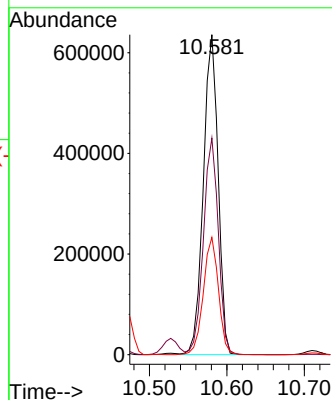
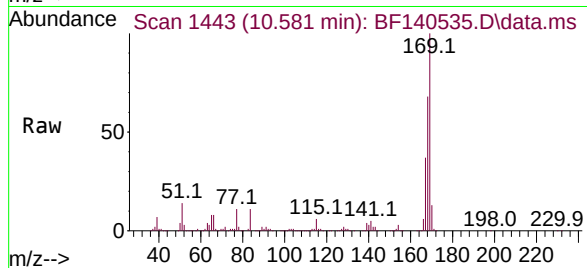




#66
n-Nitrosodiphenylamine
Concen: 75.504 ng
RT: 10.581 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

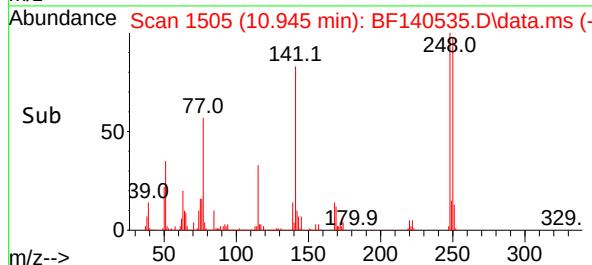
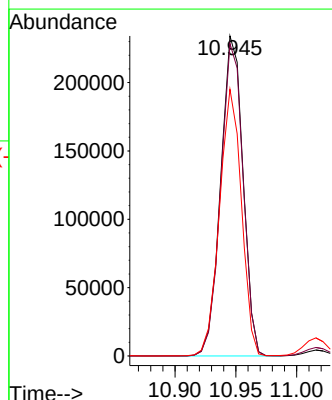
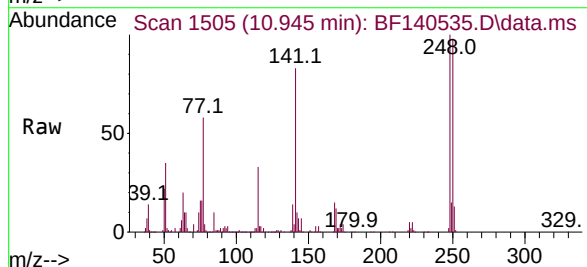
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

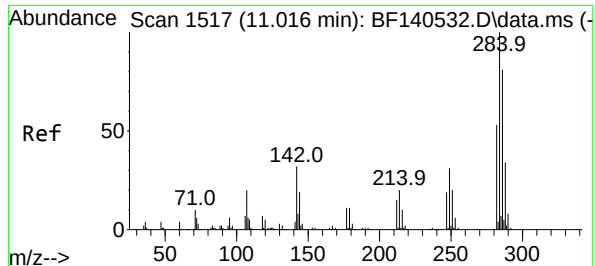
Tgt Ion:169 Resp: 842038
Ion Ratio Lower Upper
169 100
168 67.7 53.2 79.8
167 36.6 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 76.842 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:248 Resp: 298430
Ion Ratio Lower Upper
248 100
250 97.7 79.8 119.8
141 83.4 64.7 97.1

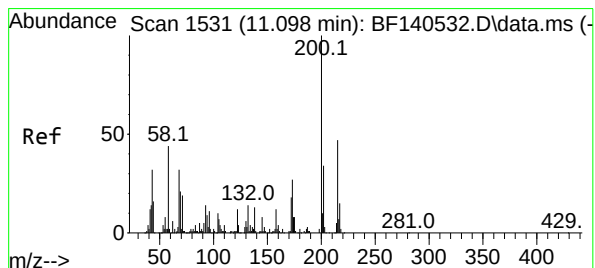
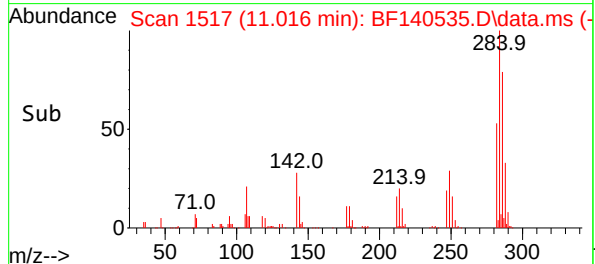
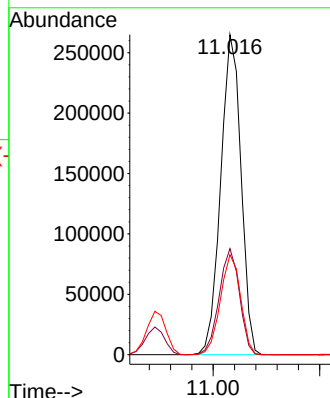
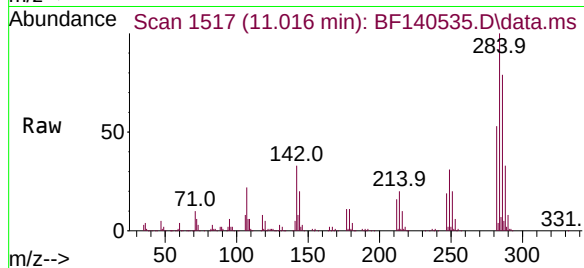




#68
Hexachlorobenzene
Concen: 77.757 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

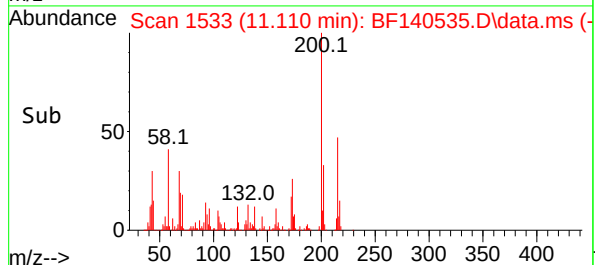
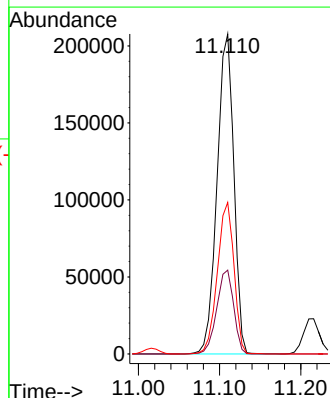
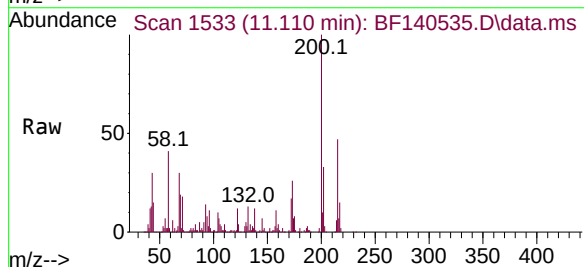
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

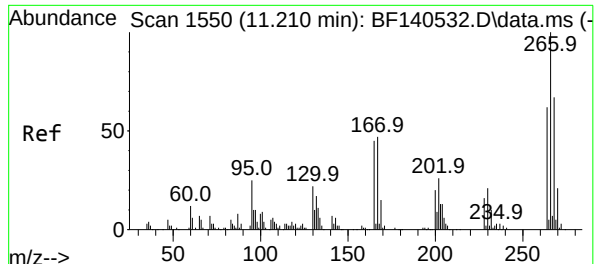
Tgt Ion:284 Resp: 349669
Ion Ratio Lower Upper
284 100
142 33.1 25.3 37.9
249 31.2 24.8 37.2



#69
Atrazine
Concen: 95.222 ng
RT: 11.110 min Scan# 1533
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:200 Resp: 298744
Ion Ratio Lower Upper
200 100
173 26.2 7.0 47.0
215 47.4 26.7 66.7





#70

Pentachlorophenol

Concen: 89.792 ng

RT: 11.216 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

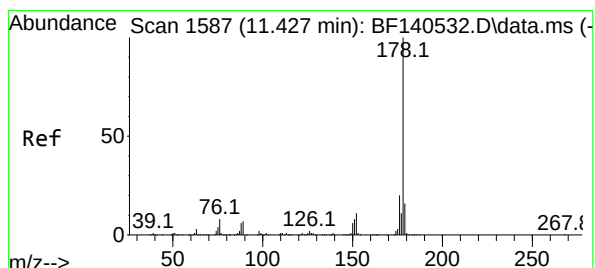
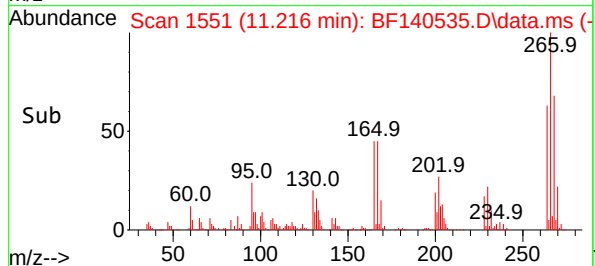
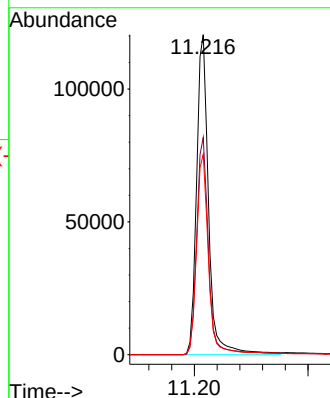
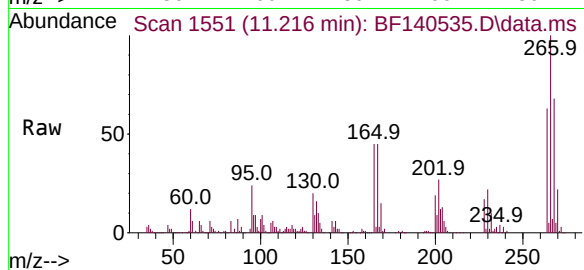
Tgt Ion:266 Resp: 177717

Ion Ratio Lower Upper

266 100

268 67.9 53.7 80.5

264 62.6 49.8 74.8



#71

Phenanthrene

Concen: 73.334 ng

RT: 11.433 min Scan# 1588

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

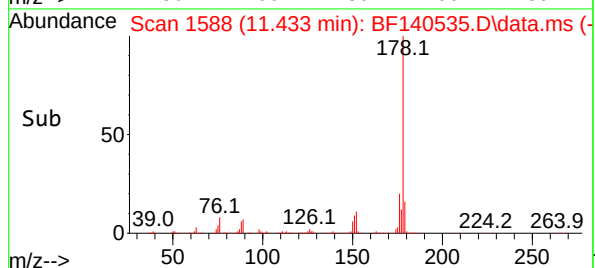
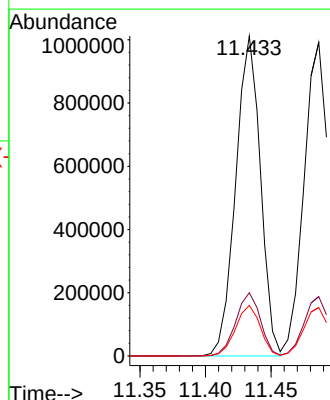
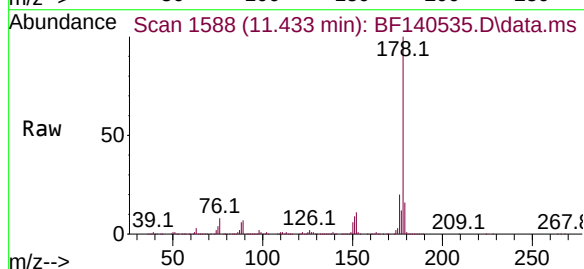
Tgt Ion:178 Resp: 1329366

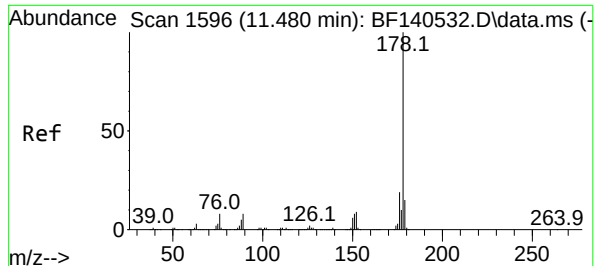
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.6

179 15.8 12.4 18.6

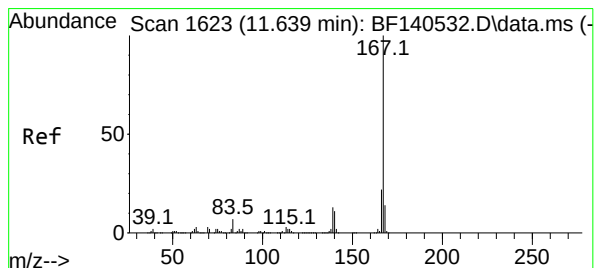
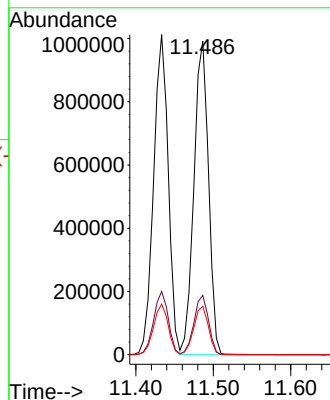
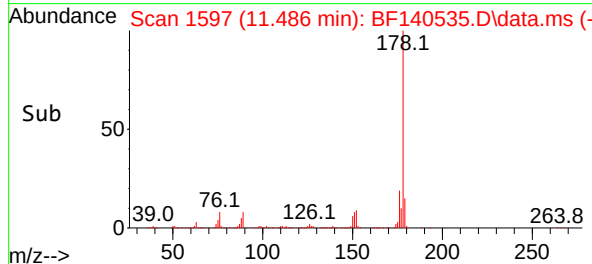
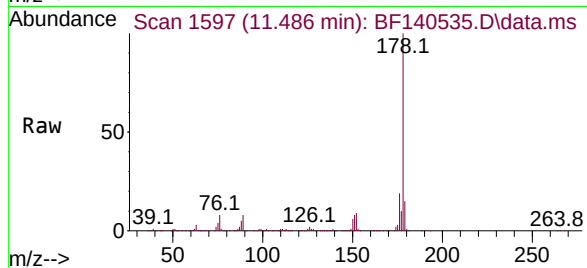




#72
Anthracene
Concen: 73.050 ng
RT: 11.486 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

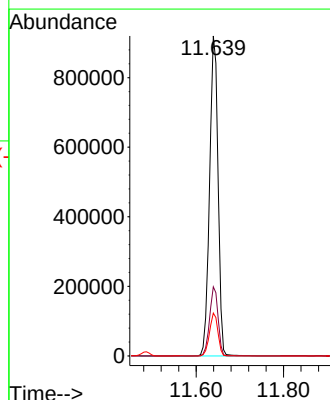
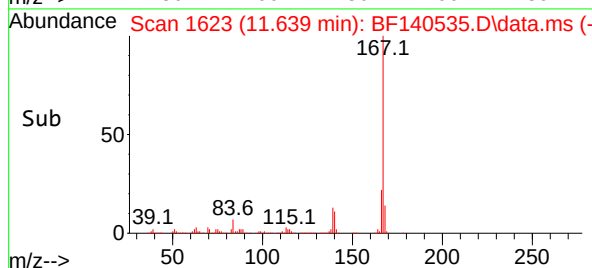
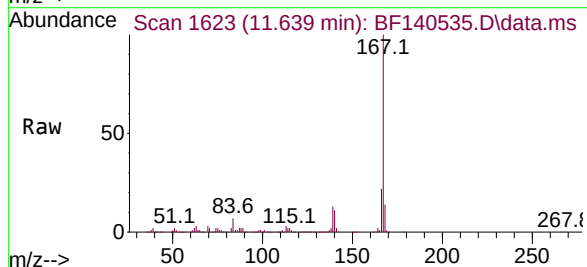
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

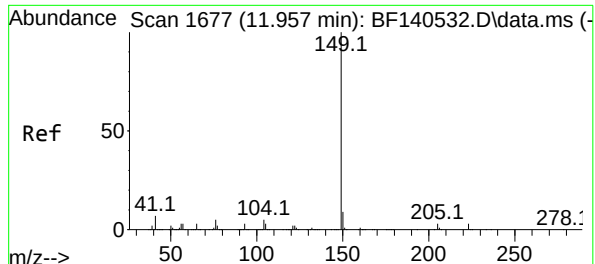
Tgt Ion:178 Resp: 1295331
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.2 18.4



#73
Carbazole
Concen: 72.617 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:167 Resp: 1238730
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 13.4 10.6 15.8

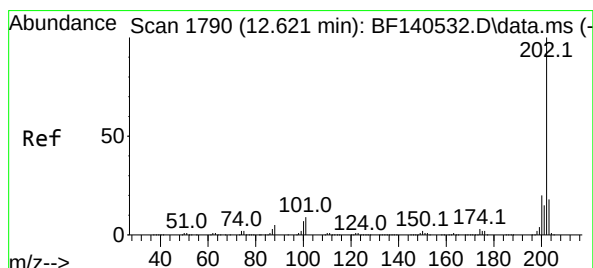
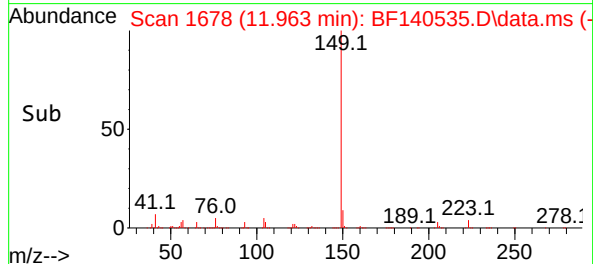
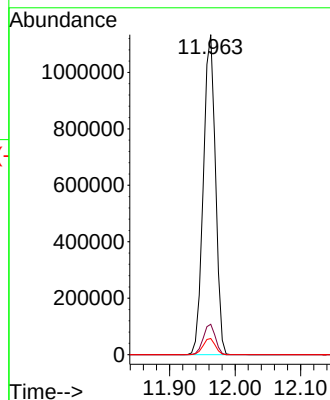
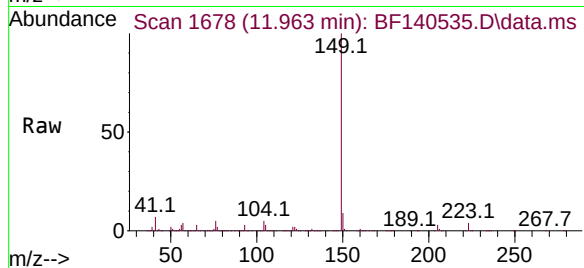




#74
Di-n-butylphthalate
Concen: 74.036 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

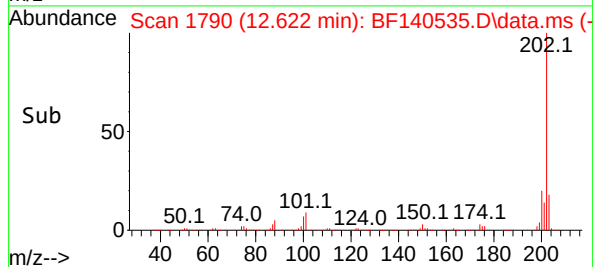
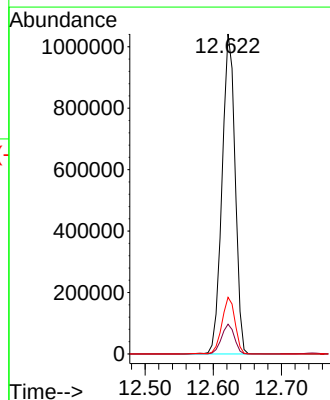
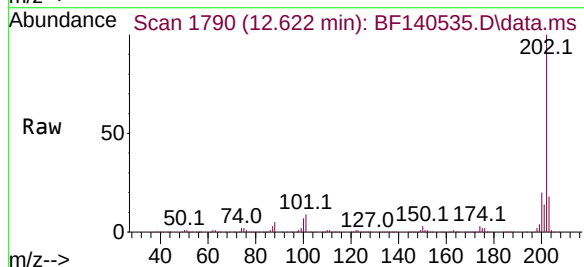
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

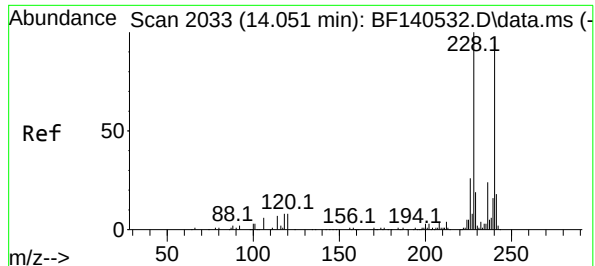
Tgt Ion:149 Resp: 1458047
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.1 4.1 6.1



#75
Fluoranthene
Concen: 70.598 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:202 Resp: 1389485
Ion Ratio Lower Upper
202 100
101 9.3 0.0 28.9
203 17.7 0.0 37.6

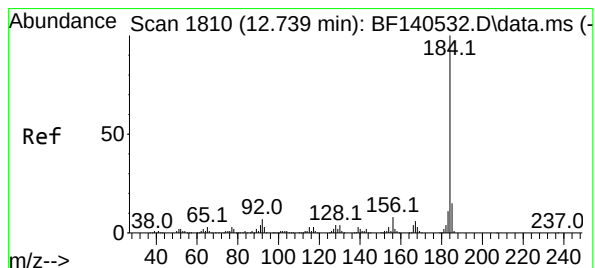
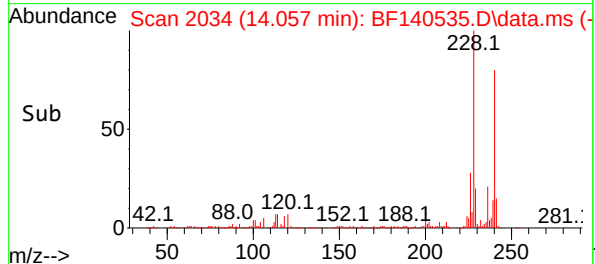
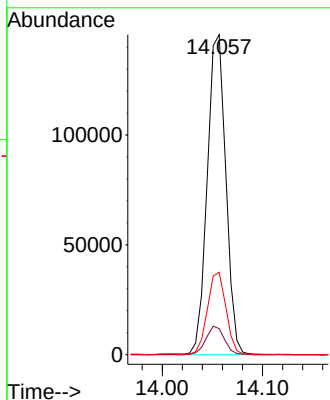
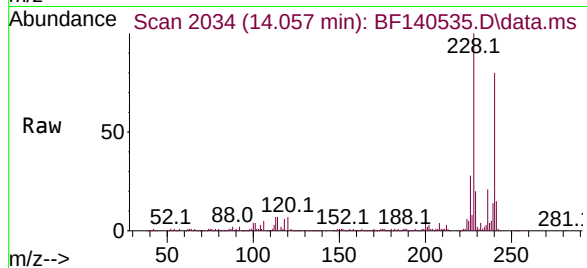




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

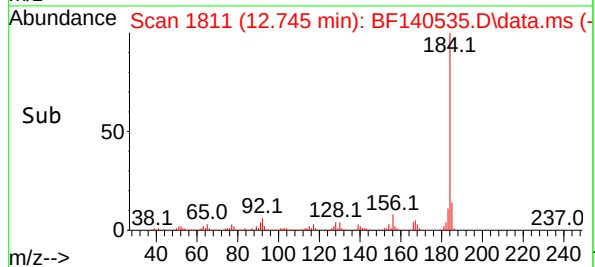
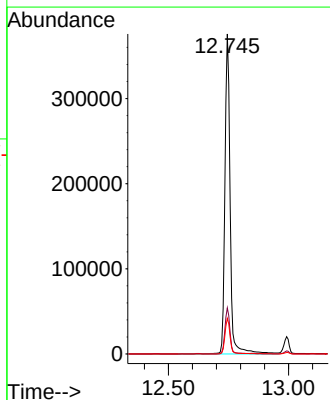
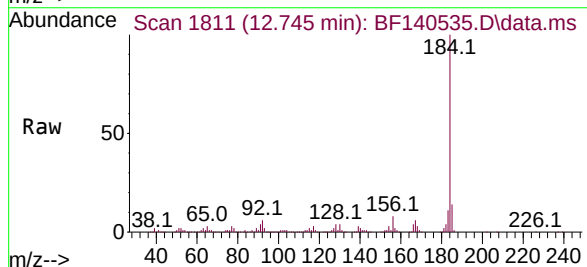
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

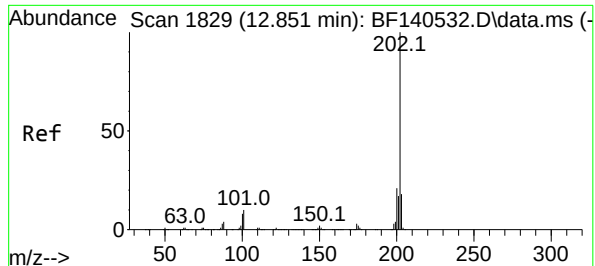
Tgt Ion:240 Resp: 187912
Ion Ratio Lower Upper
240 100
120 8.2 7.3 10.9
236 25.8 20.6 31.0



#77
Benzidine
Concen: 103.300 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:184 Resp: 564372
Ion Ratio Lower Upper
184 100
185 14.4 11.7 17.5
183 11.1 8.8 13.2





#78

Pyrene

Concen: 77.840 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

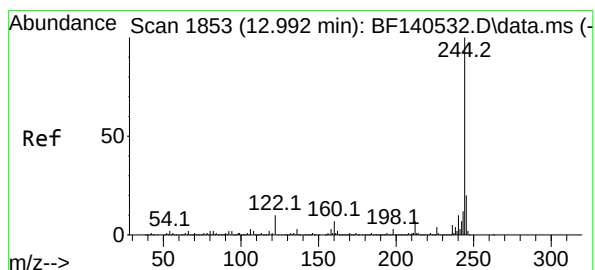
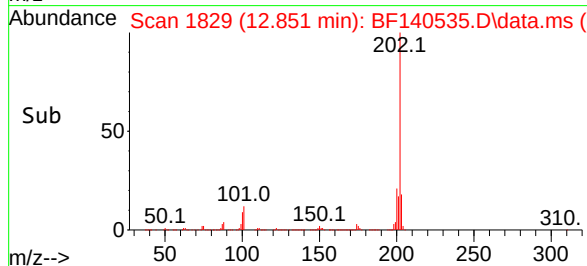
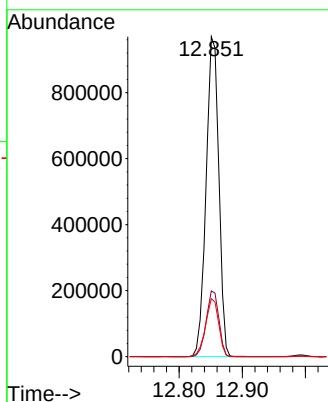
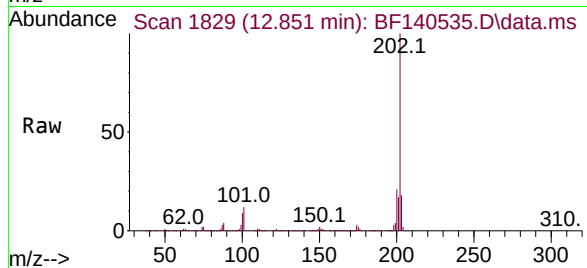
Tgt Ion:202 Resp: 1352459

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 156.171 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

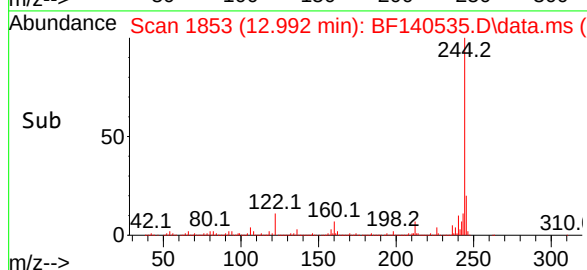
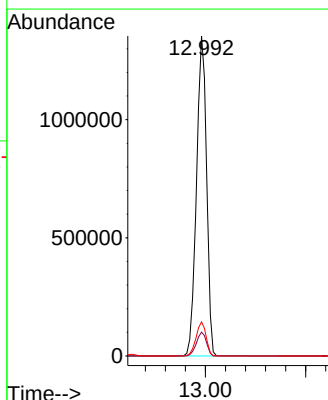
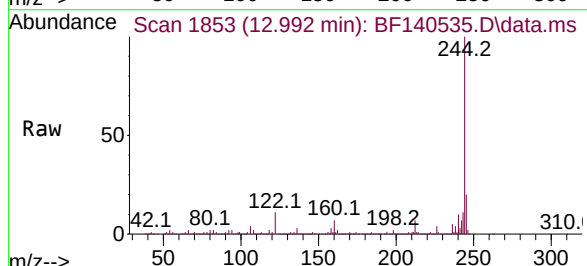
Tgt Ion:244 Resp: 1884646

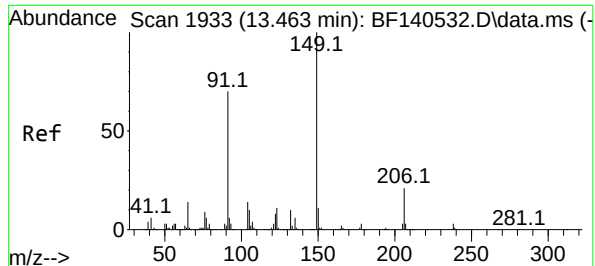
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 10.7 8.0 12.0

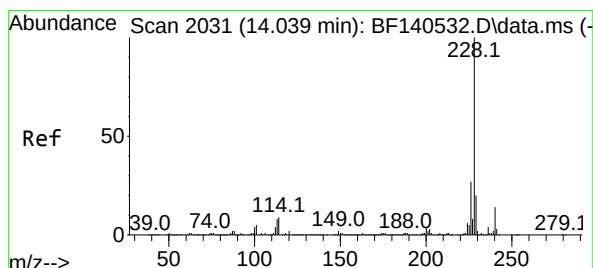
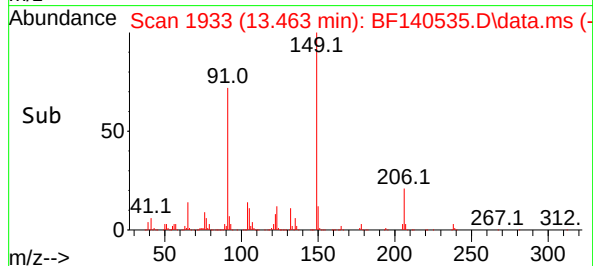
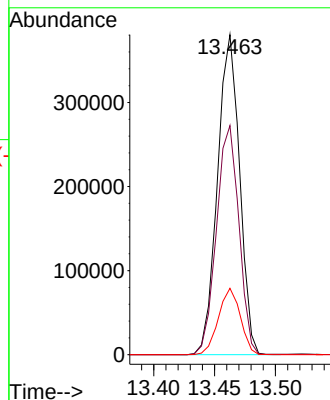
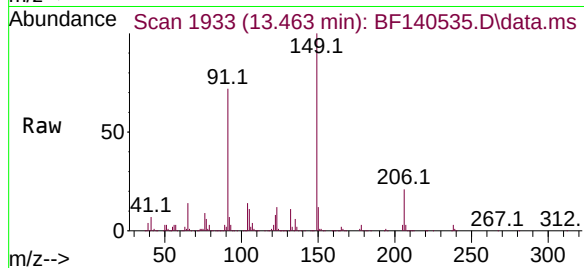




#80
Butylbenzylphthalate
Concen: 76.981 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

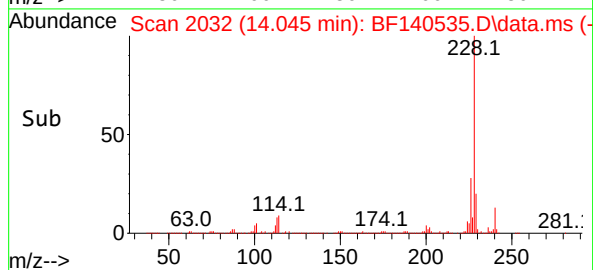
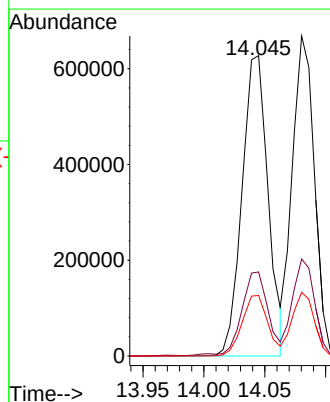
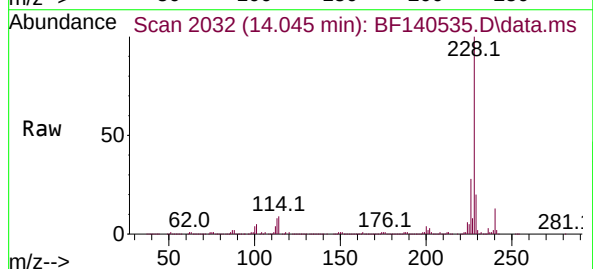
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

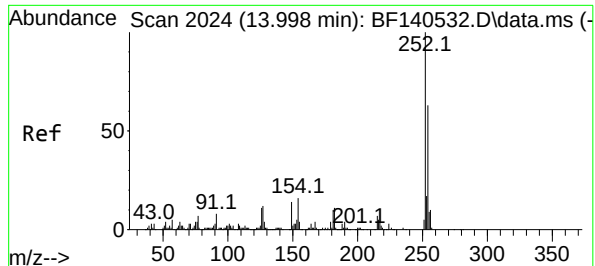
Tgt Ion:149 Resp: 481834
Ion Ratio Lower Upper
149 100
91 71.6 56.2 84.2
206 20.8 16.4 24.6



#81
Benzo(a)anthracene
Concen: 75.038 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:228 Resp: 933395
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.1 15.8 23.6





#82

3,3'-Dichlorobenzidine

Concen: 79.219 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

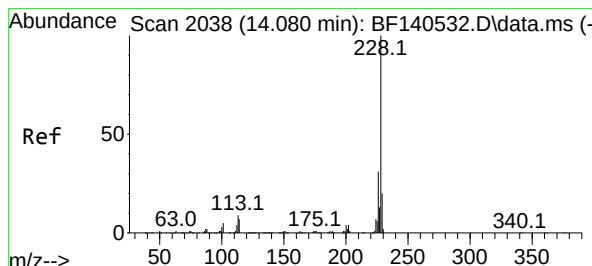
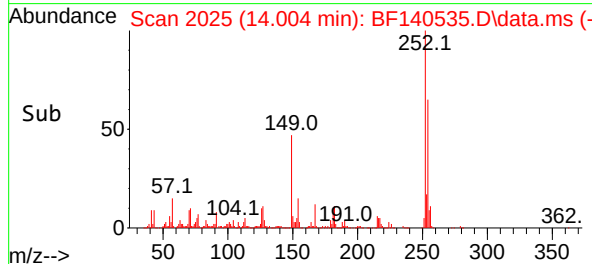
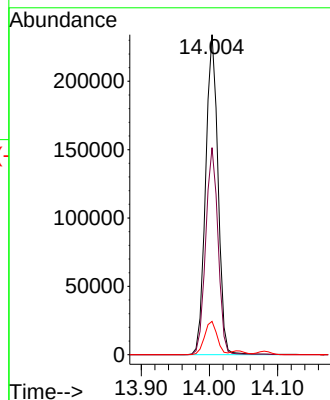
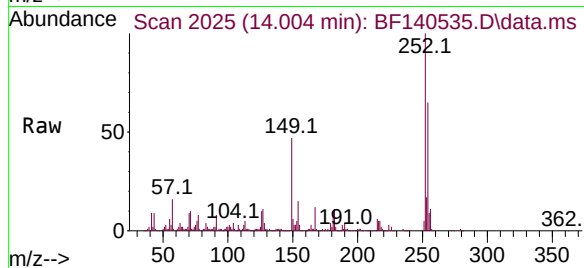
Tgt Ion:252 Resp: 295857

Ion Ratio Lower Upper

252 100

254 64.7 50.8 76.2

126 10.4 8.6 13.0



#83

Chrysene

Concen: 74.518 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

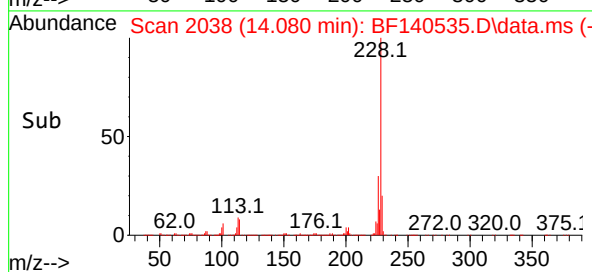
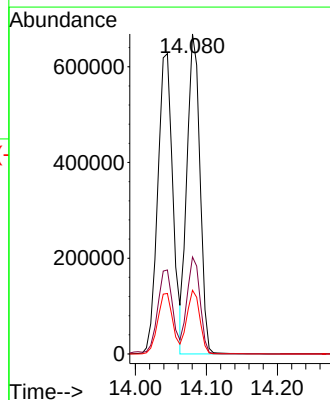
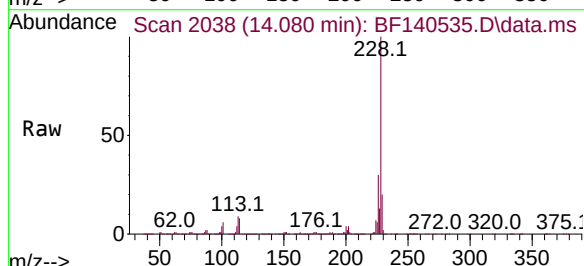
Tgt Ion:228 Resp: 847578

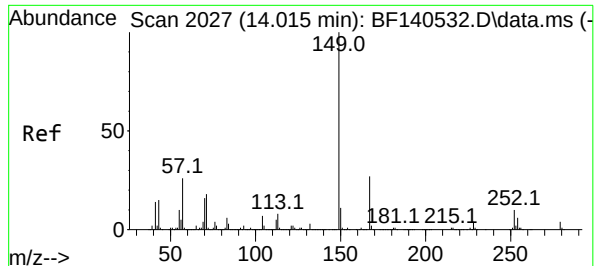
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 19.9 15.8 23.6

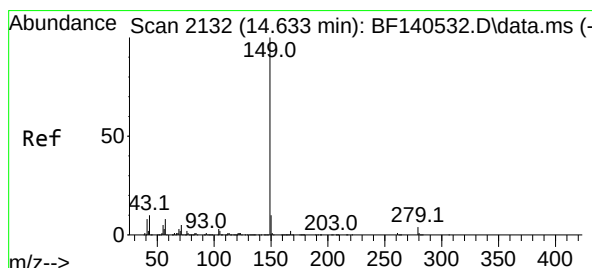
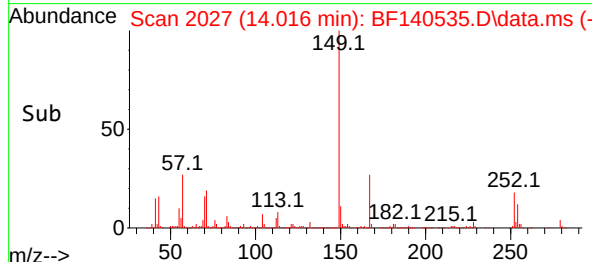
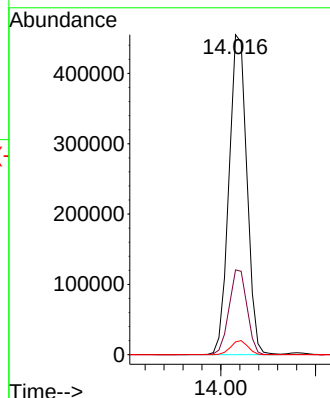
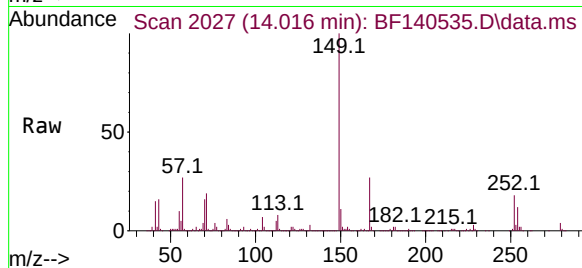




#84
Bis(2-ethylhexyl)phthalate
Concen: 75.781 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

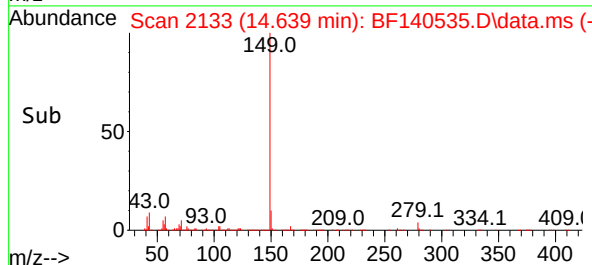
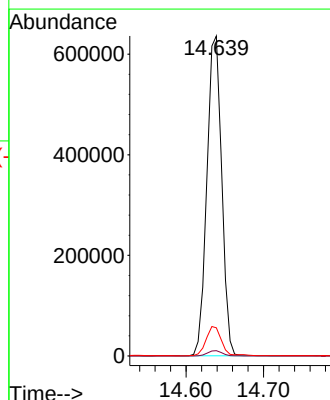
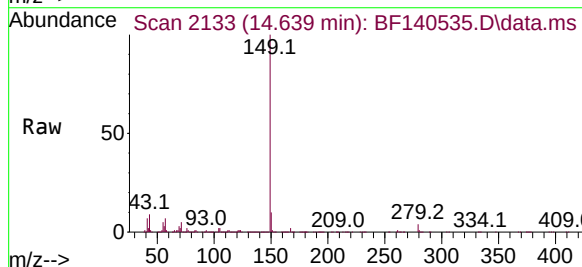
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

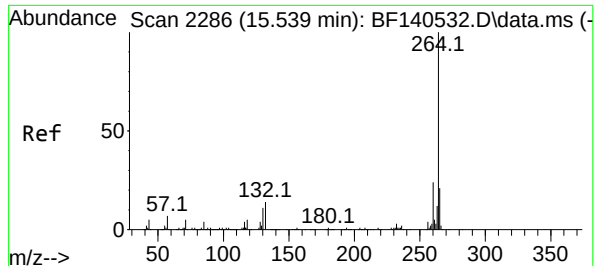
Tgt Ion:149 Resp: 598926
Ion Ratio Lower Upper
149 100
167 26.5 21.2 31.8
279 4.0 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 78.011 ng
RT: 14.639 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:149 Resp: 842600
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.5 7.7 11.5

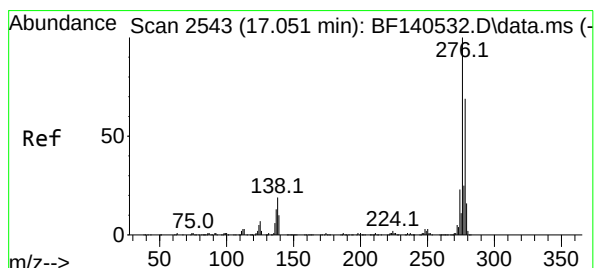
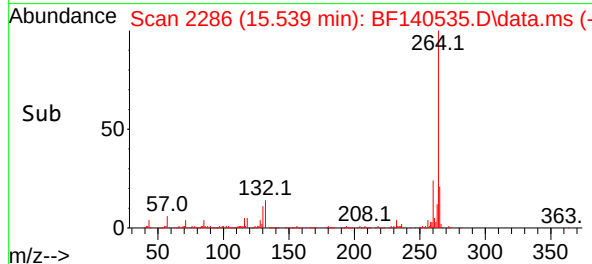
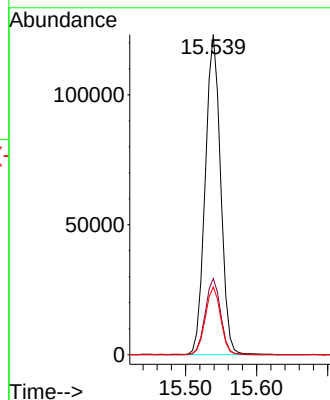
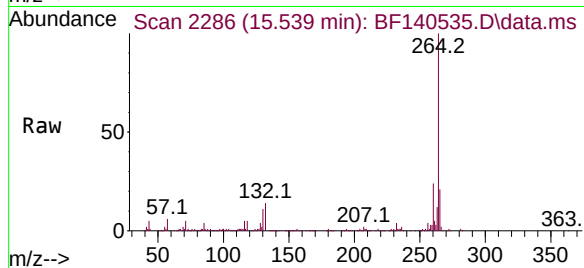




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

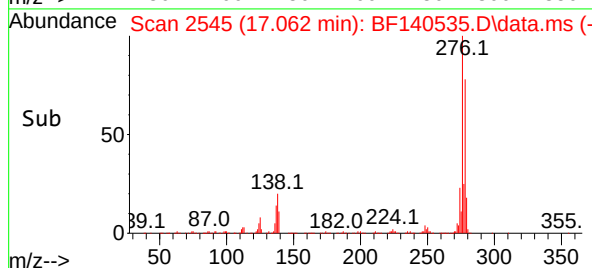
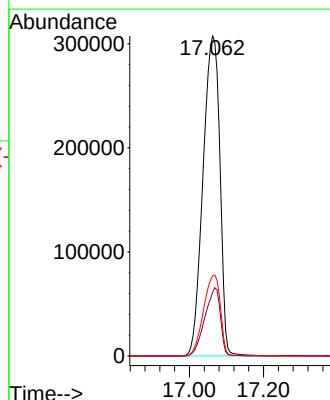
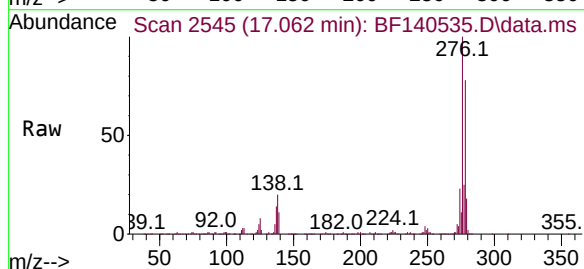
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

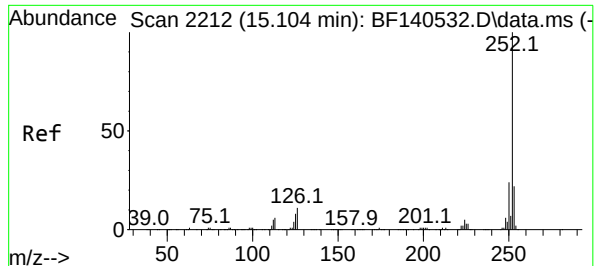
Tgt Ion:264 Resp: 185457
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 21.1 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 80.586 ng
RT: 17.062 min Scan# 2545
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Tgt Ion:276 Resp: 973960
Ion Ratio Lower Upper
276 100
138 19.6 15.5 23.3
277 25.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 74.378 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

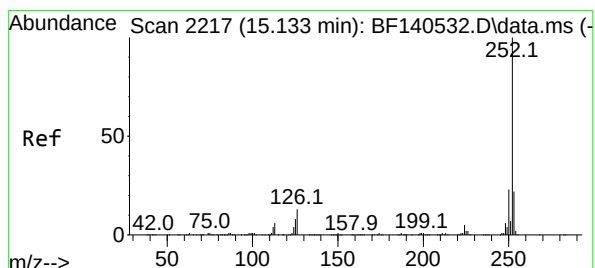
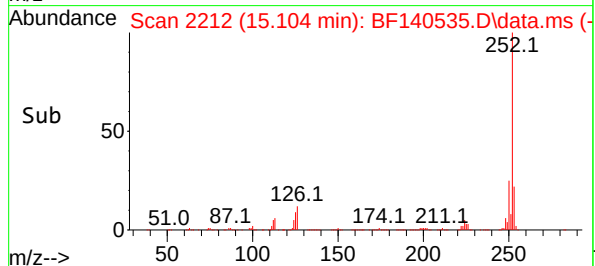
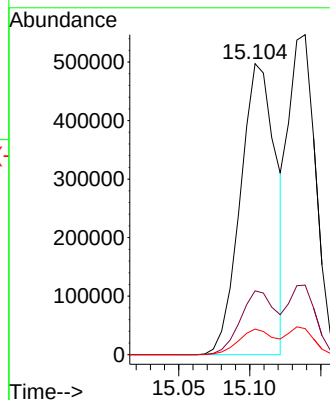
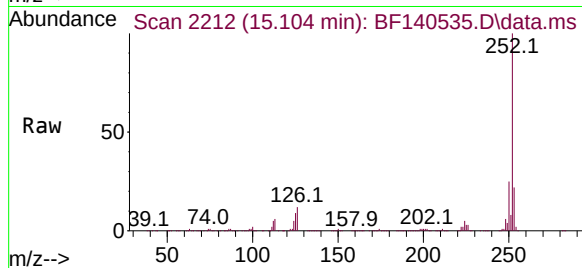
Tgt Ion:252 Resp: 866416

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 8.8 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 71.283 ng

RT: 15.139 min Scan# 2218

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

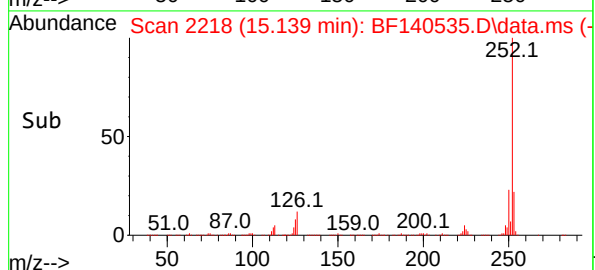
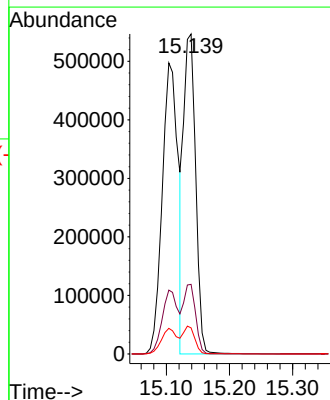
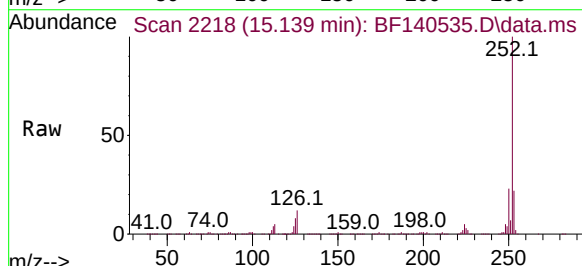
Tgt Ion:252 Resp: 726636

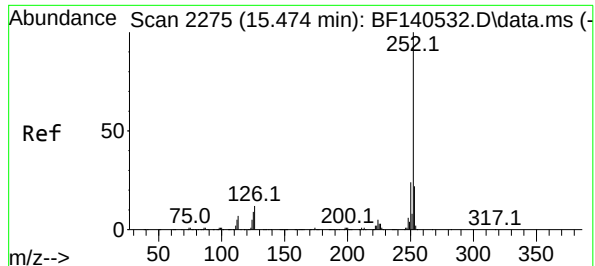
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.1 6.5 9.7





#90

Benzo(a)pyrene

Concen: 74.969 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

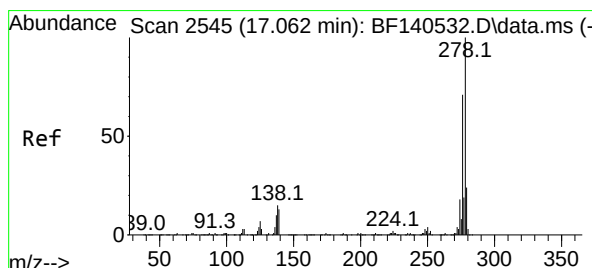
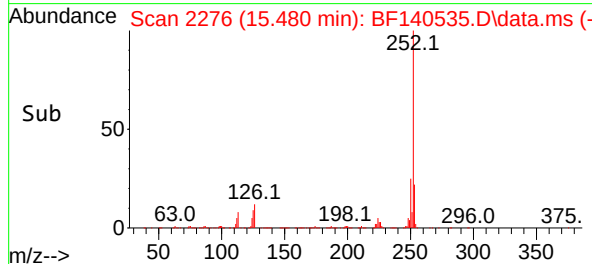
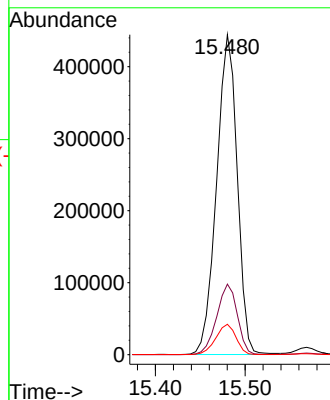
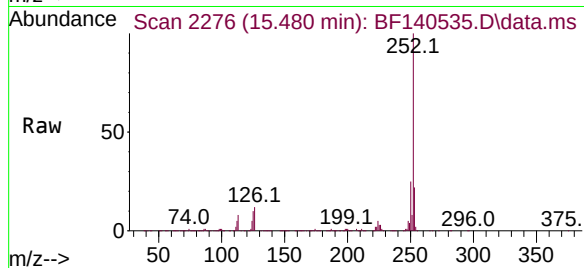
Tgt Ion:252 Resp: 710060

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 9.5 7.0 10.6



#91

Dibenzo(a,h)anthracene

Concen: 79.722 ng

RT: 17.074 min Scan# 2547

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

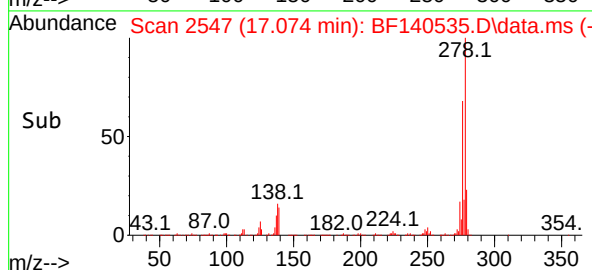
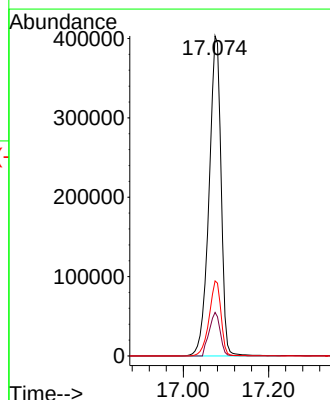
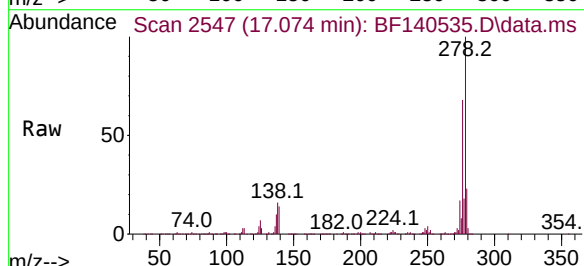
Tgt Ion:278 Resp: 789090

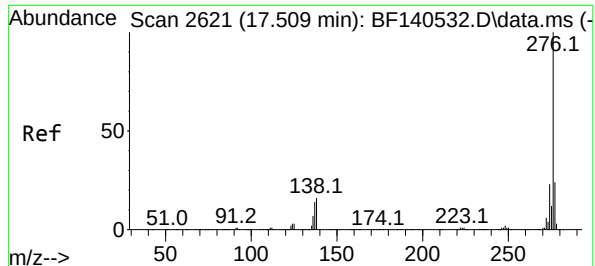
Ion Ratio Lower Upper

278 100

139 13.6 10.2 15.4

279 23.4 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 79.559 ng

RT: 17.521 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF140535.D

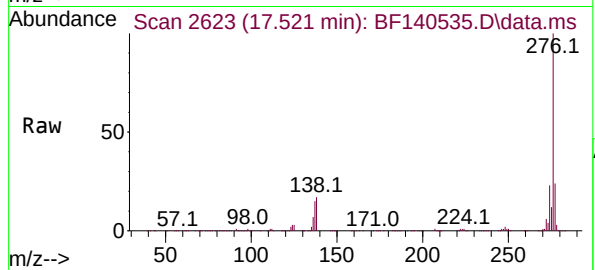
Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



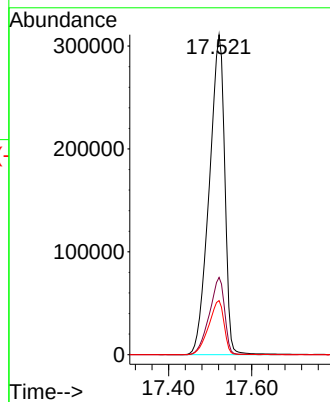
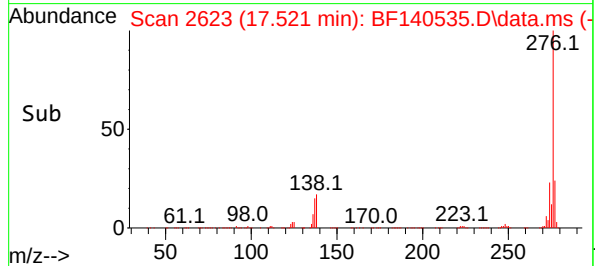
Tgt Ion:276 Resp: 803570

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 16.9 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 16:11:44 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	106835	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	417612	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	239418	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	448820	20.000	ng	0.00
76) Chrysene-d12	14.057	240	266538	20.000	ng	0.00
86) Perylene-d12	15.551	264	215076	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	494717	79.009	ng	0.00
7) Phenol-d6	6.516	99	674309	81.459	ng	0.00
23) Nitrobenzene-d5	7.439	82	644226	78.907	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	204020	79.677	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1227501	76.390	ng	0.00
79) Terphenyl-d14	12.992	244	1291669	75.460	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	102768	39.036	ng	99
3) Pyridine	3.410	79	258925	44.701	ng	99
4) n-Nitrosodimethylamine	3.369	42	140208	41.184	ng	98
6) Aniline	6.539	93	274234	47.067	ng	91
8) 2-Chlorophenol	6.663	128	270746	40.191	ng	98
9) Benzaldehyde	6.428	77	161873	36.939	ng	99
10) Phenol	6.528	94	346860	41.030	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	257441	39.796	ng	99
12) 1,3-Dichlorobenzene	6.816	146	300749	39.732	ng	99
13) 1,4-Dichlorobenzene	6.892	146	304030	39.668	ng	100
14) 1,2-Dichlorobenzene	7.045	146	283001	39.406	ng	98
15) Benzyl Alcohol	7.016	79	257787	41.993	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	314742	41.183	ng	93
17) 2-Methylphenol	7.133	107	224359	41.606	ng	98
18) Hexachloroethane	7.381	117	114809	40.108	ng	98
19) n-Nitroso-di-n-propyla...	7.286	70	205658	42.038	ng	99
20) 3+4-Methylphenols	7.286	107	287897	41.536	ng	98
22) Acetophenone	7.281	105	396692	38.963	ng	99
24) Nitrobenzene	7.457	77	330161	39.127	ng	99
25) Isophorone	7.692	82	549222	40.332	ng	99
26) 2-Nitrophenol	7.769	139	150969	40.372	ng	98
27) 2,4-Dimethylphenol	7.810	122	177031	39.568	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	331321	39.938	ng	100
29) 2,4-Dichlorophenol	8.016	162	236857	39.952	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	263327	38.901	ng	99
31) Naphthalene	8.175	128	842187	39.152	ng	99
32) Benzoic acid	7.939	122	156794	41.429	ng	98
33) 4-Chloroaniline	8.228	127	280483	43.551	ng	99
34) Hexachlorobutadiene	8.292	225	176676	39.406	ng	99
35) Caprolactam	8.604	113	74088	40.381	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	266862	40.203	ng	99
37) 2-Methylnaphthalene	8.869	142	546332	39.987	ng	99
38) 1-Methylnaphthalene	8.969	142	531502	39.688	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	272114	38.824	ng	100
41) Hexachlorocyclopentadiene	9.016	237	52730	37.711	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	173239	39.390	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 16:11:44 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	192368	40.302	ng	99
46) 1,1'-Biphenyl	9.333	154	693007	38.769	ng	100
47) 2-Chloronaphthalene	9.357	162	530895	39.197	ng	100
48) 2-Nitroaniline	9.457	65	174060	40.037	ng	99
49) Acenaphthylene	9.774	152	795061	38.850	ng	99
50) Dimethylphthalate	9.633	163	624268	39.591	ng	99
51) 2,6-Dinitrotoluene	9.698	165	140739	39.356	ng	100
52) Acenaphthene	9.945	154	501631m	38.578	ng	
53) 3-Nitroaniline	9.874	138	143055	40.901	ng	96
54) 2,4-Dinitrophenol	9.980	184	58542	36.341	ng	99
55) Dibenzofuran	10.122	168	766460	38.644	ng	99
56) 4-Nitrophenol	10.039	139	100812	42.263	ng	99
57) 2,4-Dinitrotoluene	10.104	165	194980	41.025	ng	98
58) Fluorene	10.463	166	622708	39.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	153327	41.797	ng	97
60) Diethylphthalate	10.333	149	626046	39.078	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	308891	39.536	ng	99
62) 4-Nitroaniline	10.486	138	148087	40.369	ng	99
63) Azobenzene	10.616	77	597687	39.396	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	94340	41.134	ng	99
66) n-Nitrosodiphenylamine	10.574	169	513960	38.723	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	180160	38.977	ng	99
68) Hexachlorobenzene	11.016	284	208589	38.974	ng	99
69) Atrazine	11.098	200	129353	34.643	ng	99
70) Pentachlorophenol	11.210	266	100767	42.779	ng	98
71) Phenanthrene	11.427	178	838392	38.861	ng	99
72) Anthracene	11.480	178	819442	38.829	ng	100
73) Carbazole	11.639	167	795975	39.207	ng	100
74) Di-n-butylphthalate	11.963	149	932026	39.765	ng	99
75) Fluoranthene	12.621	202	937019	40.002	ng	100
77) Benzidine	12.745	184	304946	39.351	ng	99
78) Pyrene	12.851	202	941890	38.219	ng	99
80) Butylbenzylphthalate	13.463	149	359930	40.542	ng	97
81) Benzo(a)anthracene	14.045	228	700865	39.723	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	217249	41.011	ng	99
83) Chrysene	14.080	228	635750	39.406	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	468853	41.823	ng	99
85) Di-n-octyl phthalate	14.645	149	673561	43.965	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	546567	38.995	ng	99
88) Benzo(b)fluoranthene	15.109	252	551853	40.850	ng	100
89) Benzo(k)fluoranthene	15.145	252	474176	40.110	ng	100
90) Benzo(a)pyrene	15.486	252	439811	40.041	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	459746	40.052	ng	100
92) Benzo(g,h,i)perylene	17.521	276	463747	39.591	ng	99

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

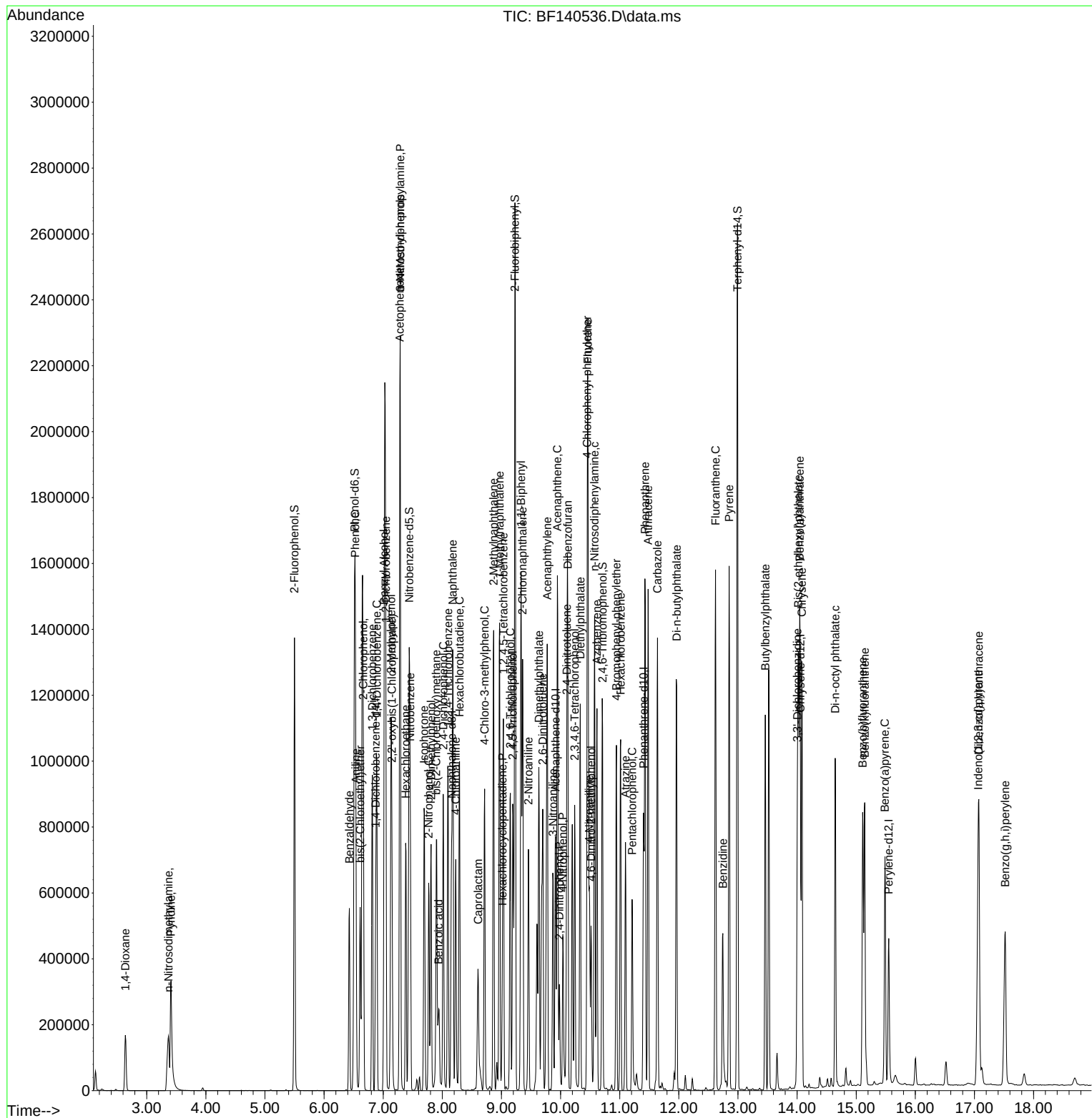
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\  
Data File : BF140536.D  
Acq On    : 21 Nov 2024   15:07  
Operator  : RC/JU  
Sample    : SSTDICV040  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
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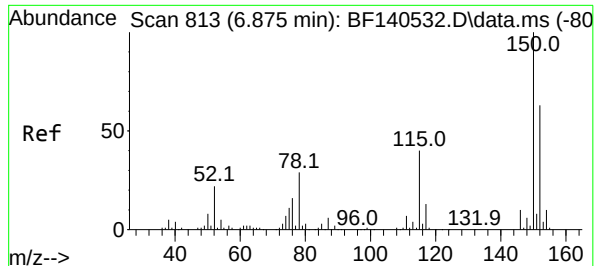
Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

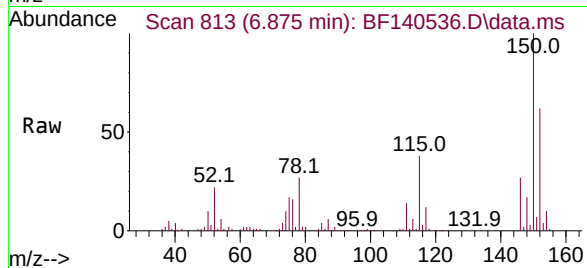
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

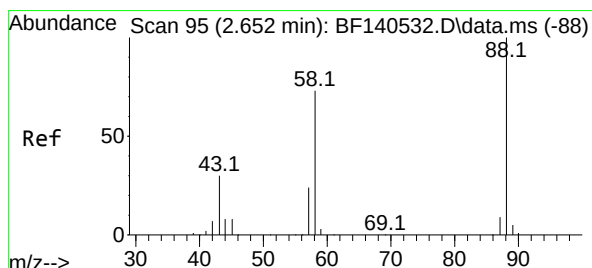
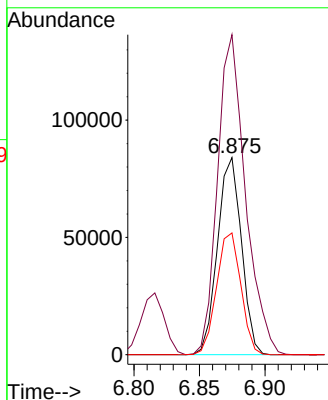
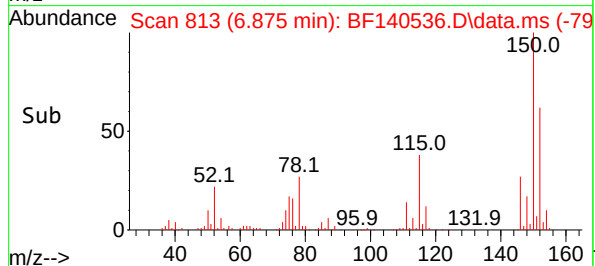
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:152 Resp: 106835
Ion Ratio Lower Upper
152 100
150 162.4 128.5 192.7
115 61.8 50.2 75.4

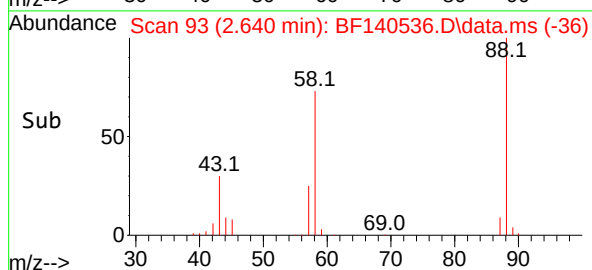
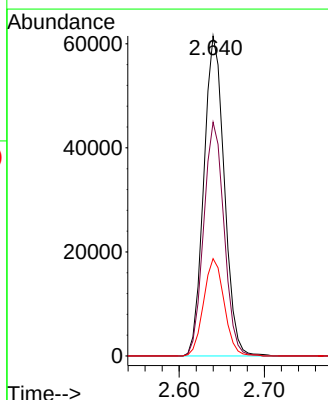
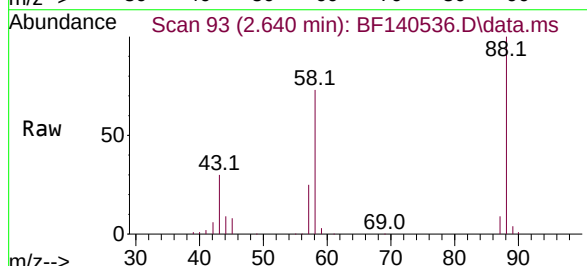
Manual Integrations
APPROVED

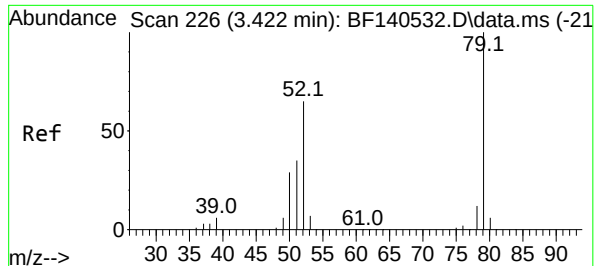
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 39.036 ng
RT: 2.640 min Scan# 93
Delta R.T. -0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion: 88 Resp: 102768
Ion Ratio Lower Upper
88 100
58 72.6 57.4 86.2
43 30.5 24.3 36.5





#3

Pyridine

Concen: 44.701 ng

RT: 3.410 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 79 Resp: 25892

Ion Ratio Lower Upper

79 100

52 66.6 52.1 78.1

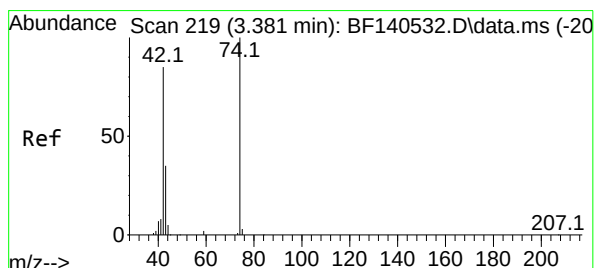
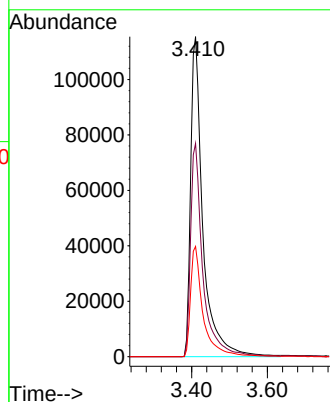
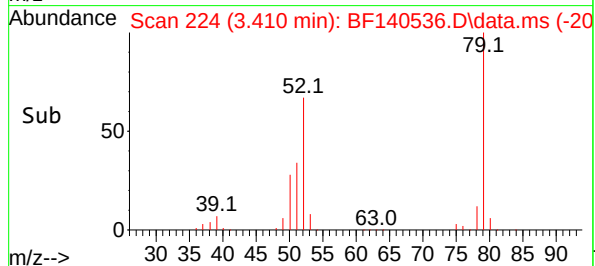
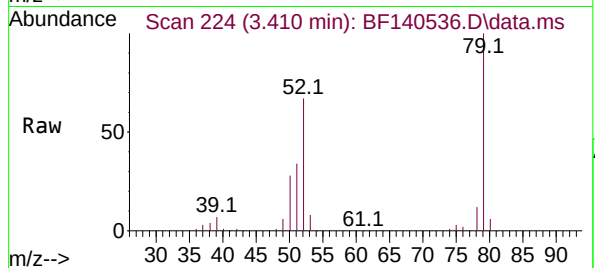
51 34.4 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#4

n-Nitrosodimethylamine

Concen: 41.184 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

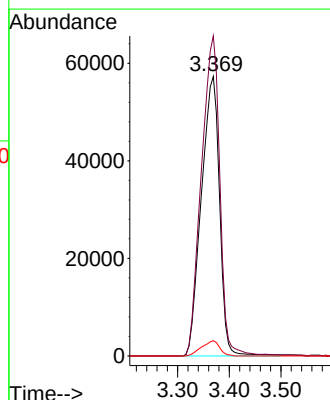
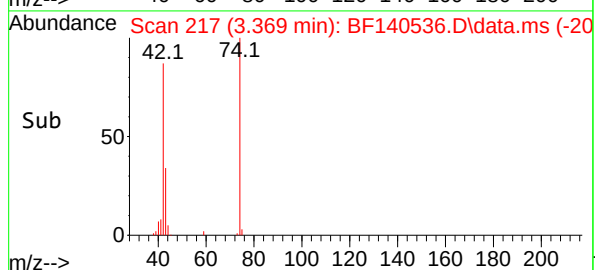
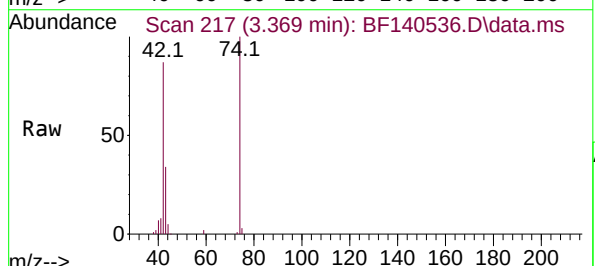
Tgt Ion: 42 Resp: 140208

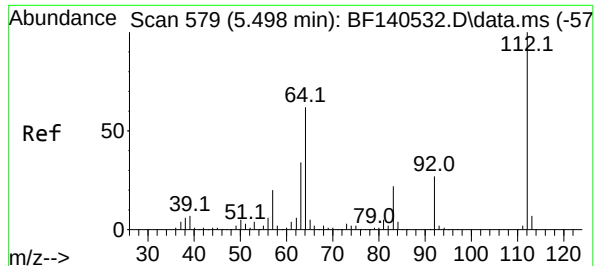
Ion Ratio Lower Upper

42 100

74 114.5 93.8 140.6

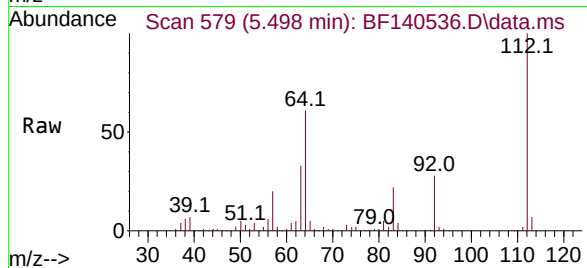
44 5.5 4.6 6.8





#5
2-Fluorophenol
Concen: 79.009 ng
RT: 5.498 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

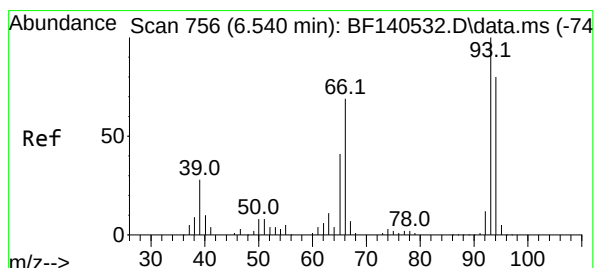
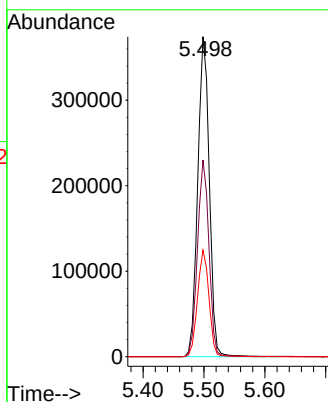
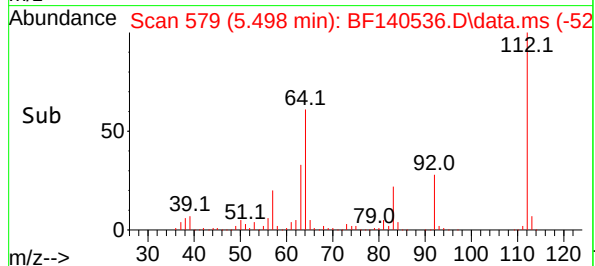
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:112 Resp: 49471
Ion Ratio Lower Upper
112 100
64 61.5 49.2 73.8
63 33.3 27.0 40.4

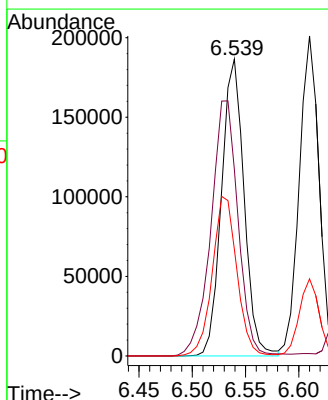
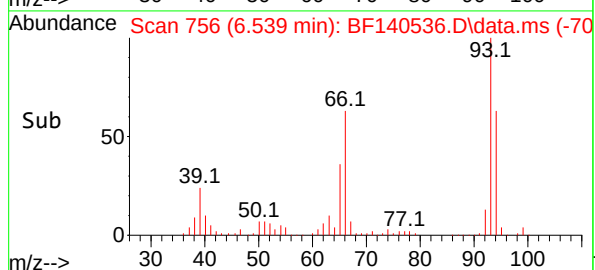
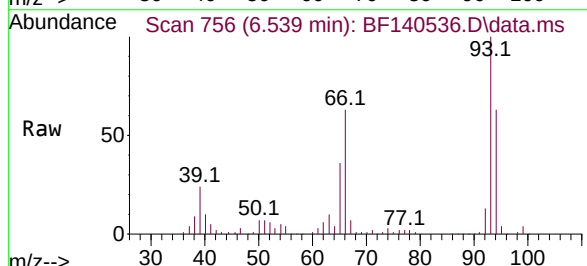
Manual Integrations
APPROVED

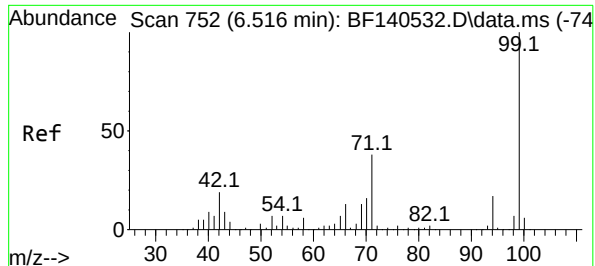
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#6
Aniline
Concen: 47.067 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion: 93 Resp: 274234
Ion Ratio Lower Upper
93 100
66 62.8 56.5 84.7
65 35.9 32.9 49.3





#7

Phenol-d6

Concen: 81.459 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 99 Resp: 674309

Ion Ratio Lower Upper

99 100

42 19.3 15.4 23.0

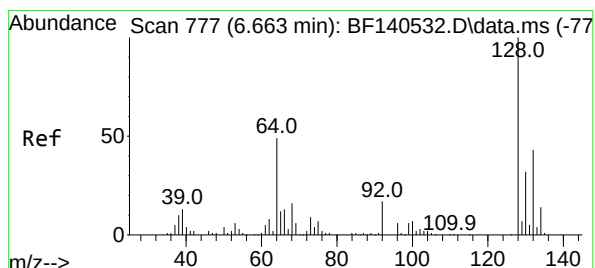
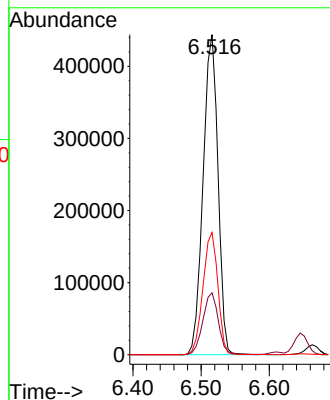
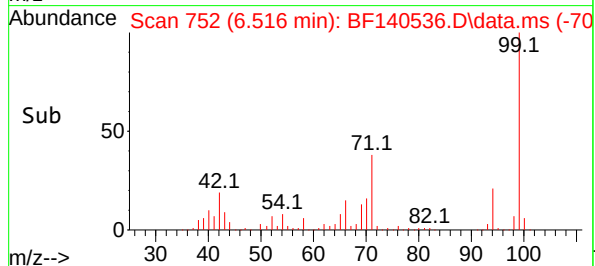
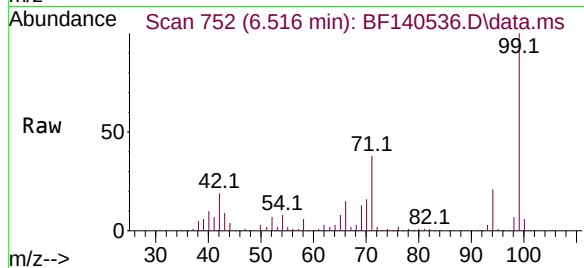
71 38.2 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#8

2-Chlorophenol

Concen: 40.191 ng

RT: 6.663 min Scan# 777

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

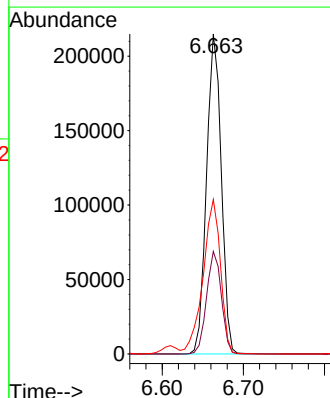
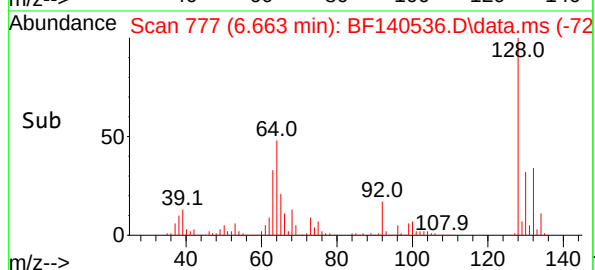
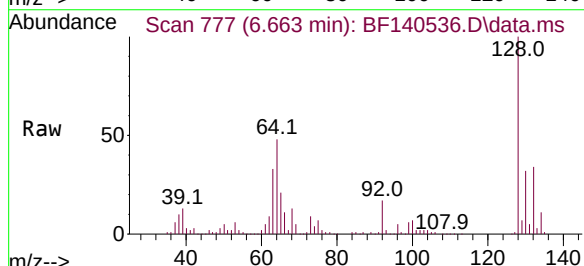
Tgt Ion:128 Resp: 270746

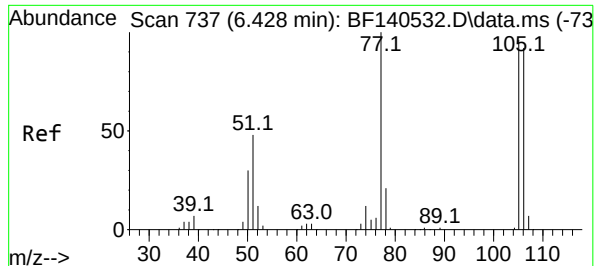
Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

64 48.3 30.2 70.2





#9

Benzaldehyde

Concen: 36.939 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 77 Resp: 16187

Ion Ratio Lower Upper

77 100

105 95.9 75.6 115.6

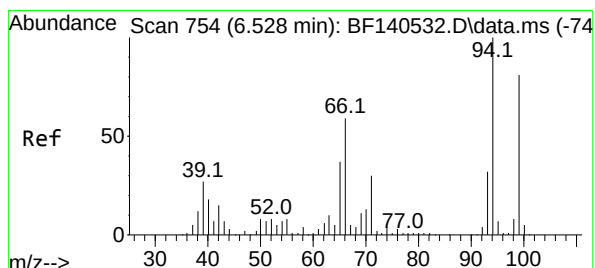
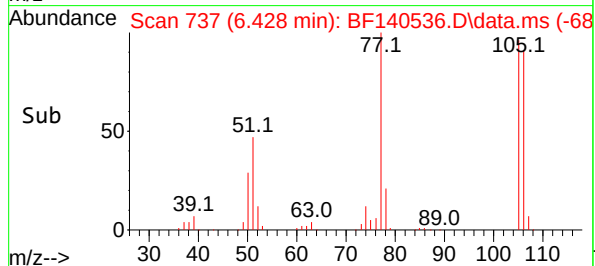
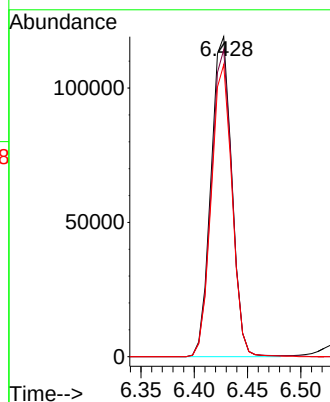
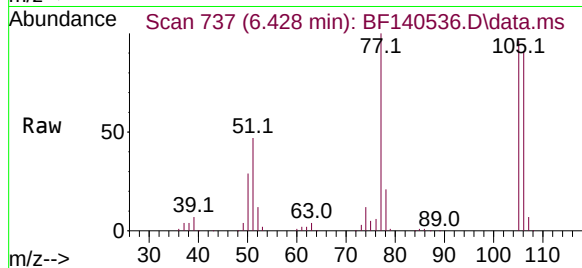
106 91.2 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#10

Phenol

Concen: 41.030 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

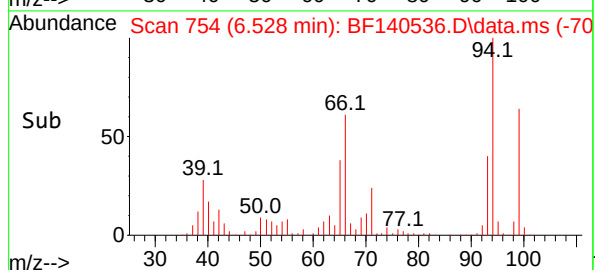
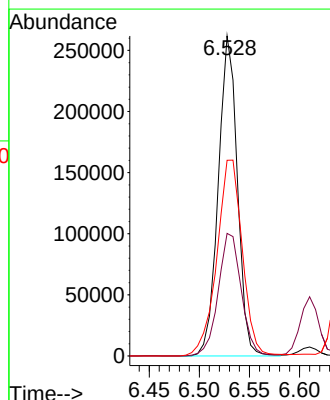
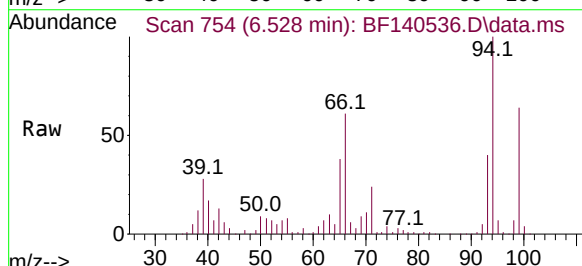
Tgt Ion: 94 Resp: 346860

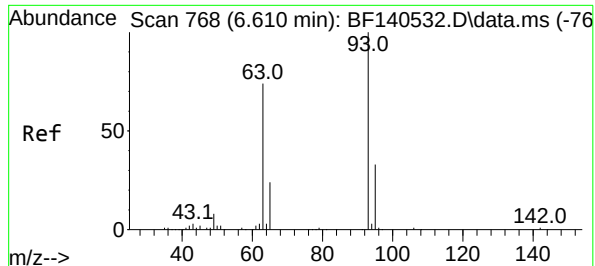
Ion Ratio Lower Upper

94 100

65 38.3 17.2 57.2

66 61.2 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 39.796 ng

RT: 6.610 min Scan# 768

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 93 Resp: 25744

Ion Ratio Lower Upper

93 100

63 73.7 52.8 92.8

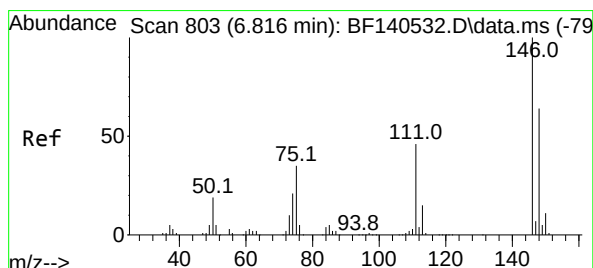
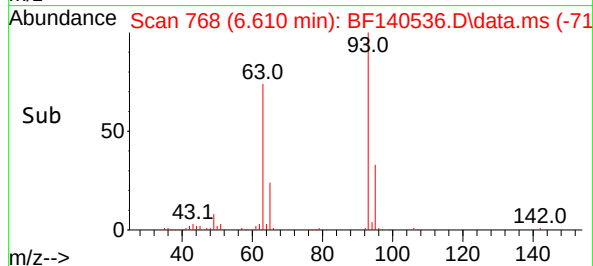
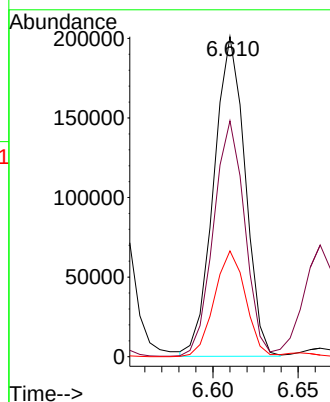
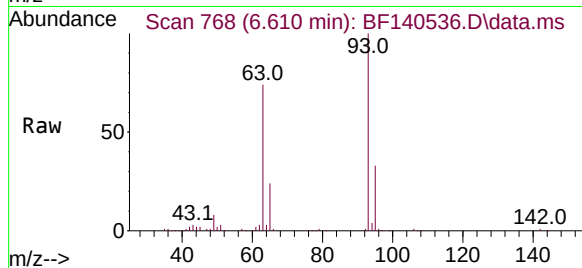
95 33.0 12.3 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#12

1,3-Dichlorobenzene

Concen: 39.732 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

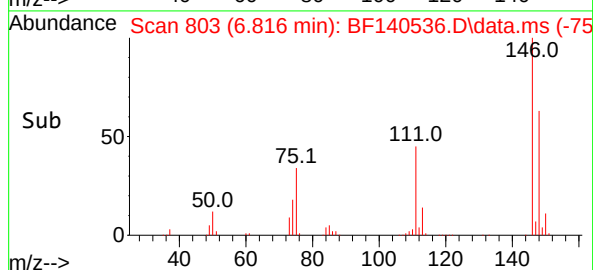
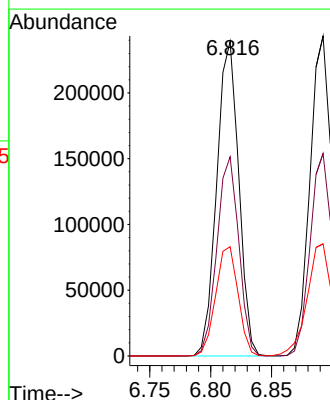
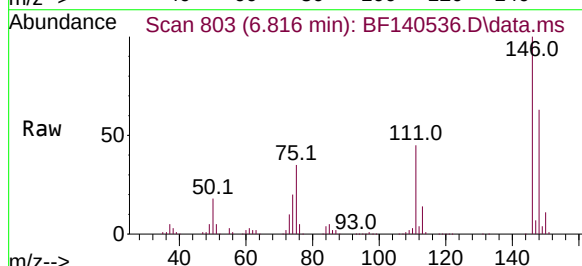
Tgt Ion:146 Resp: 300749

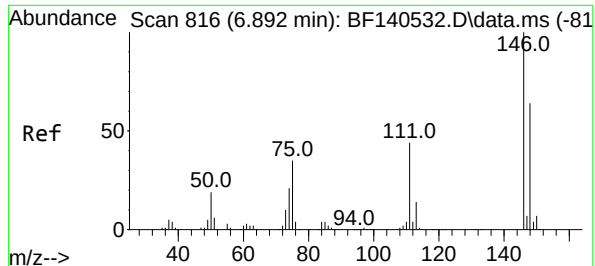
Ion Ratio Lower Upper

146 100

148 63.3 51.3 76.9

75 34.7 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.668 ng

RT: 6.892 min Scan# 816

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:146 Resp: 304030

Ion Ratio Lower Upper

146 100

148 63.3 51.0 76.6

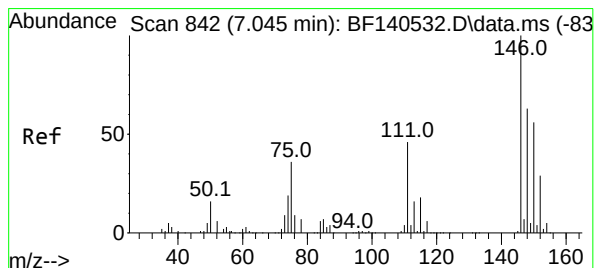
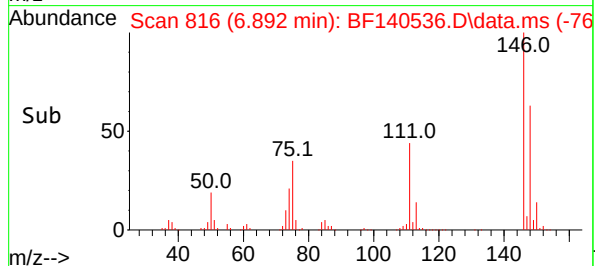
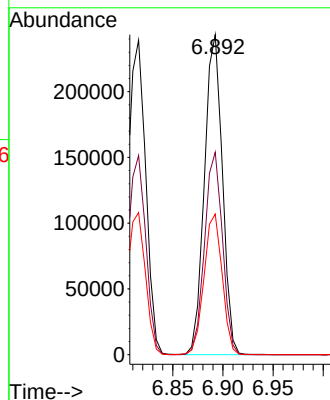
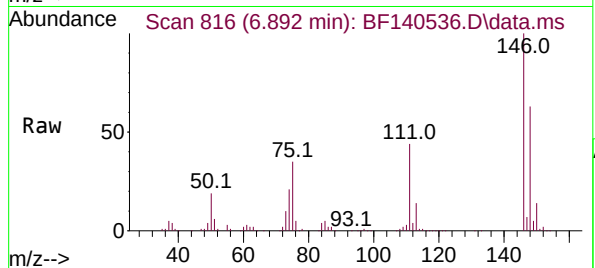
111 44.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#14

1,2-Dichlorobenzene

Concen: 39.406 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

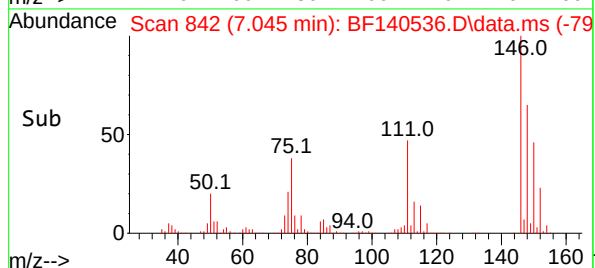
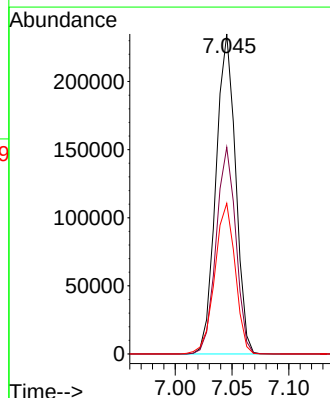
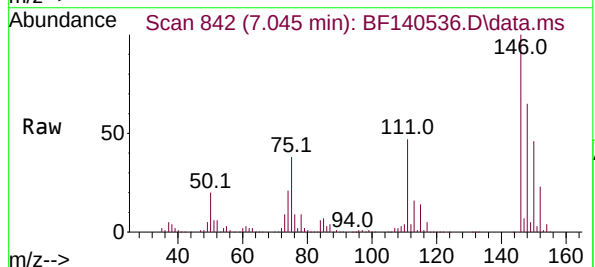
Tgt Ion:146 Resp: 283001

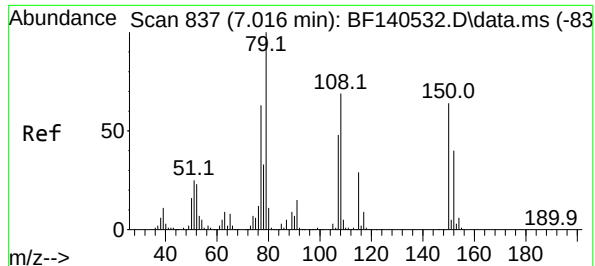
Ion Ratio Lower Upper

146 100

148 64.6 50.5 75.7

111 47.1 36.7 55.1





#15

Benzyl Alcohol

Concen: 41.993 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 79 Resp: 25778

Ion Ratio Lower Upper

79 100

108 70.9 55.0 82.6

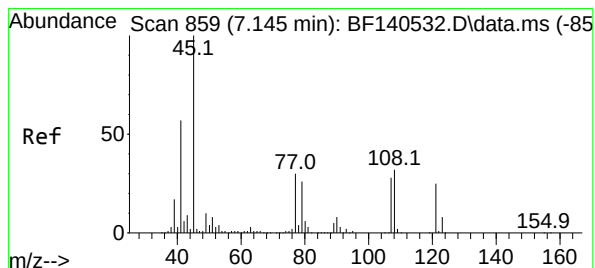
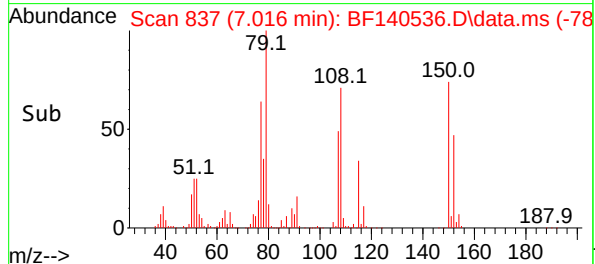
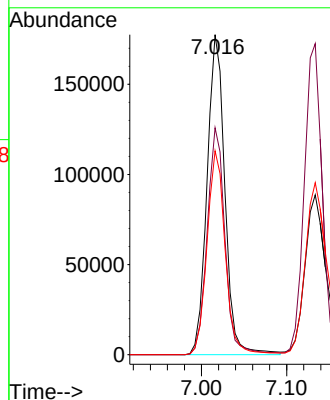
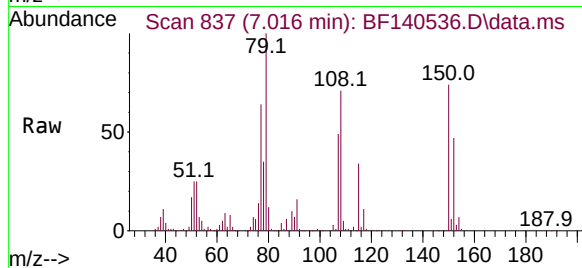
77 63.7 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.183 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

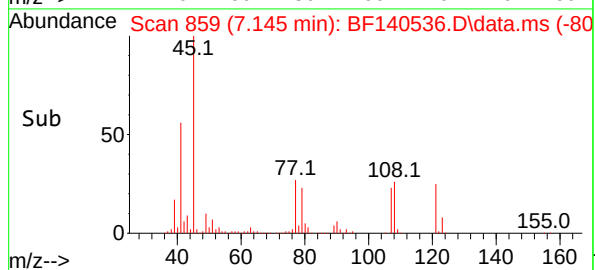
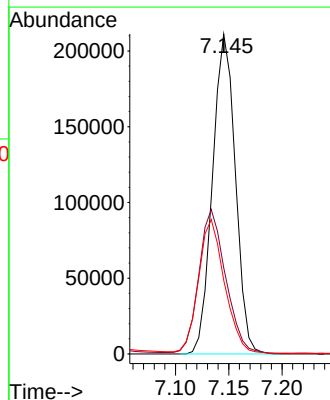
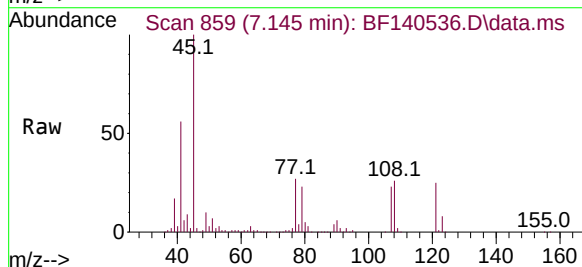
Tgt Ion: 45 Resp: 314742

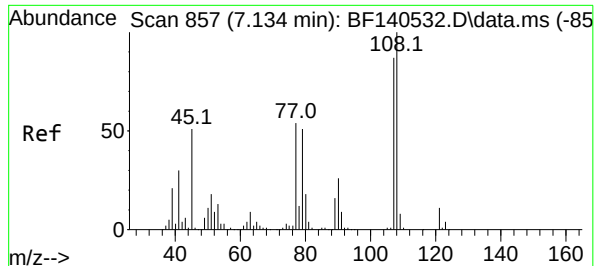
Ion Ratio Lower Upper

45 100

77 26.9 10.7 50.7

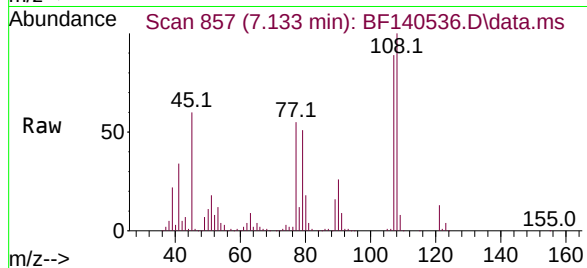
79 23.0 7.0 47.0





#17
2-Methylphenol
Concen: 41.606 ng
RT: 7.133 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

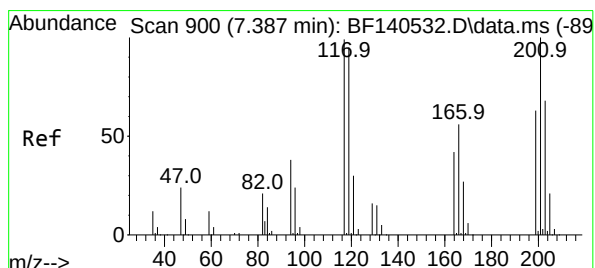
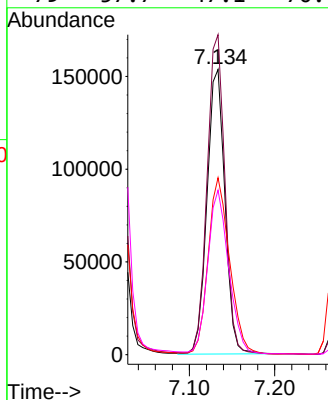
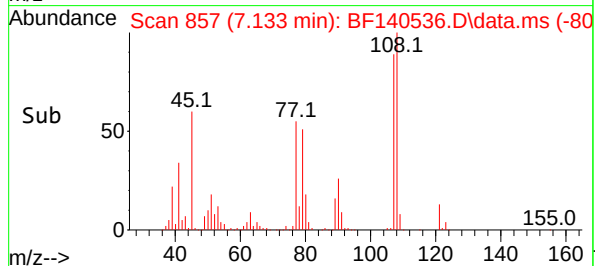
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



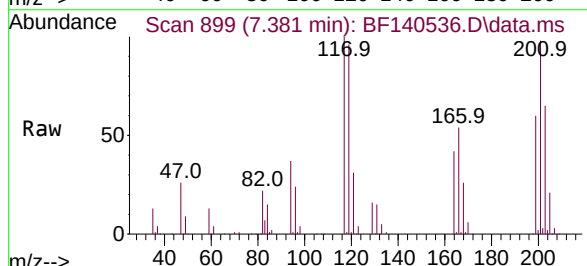
Tgt Ion:107 Resp: 224359
Ion Ratio Lower Upper
107 100
108 112.1 91.7 137.5
77 62.0 49.3 73.9
79 57.7 47.1 70.7

Manual Integrations
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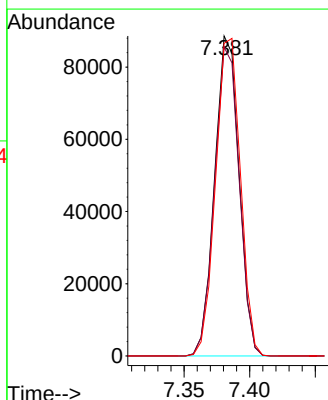
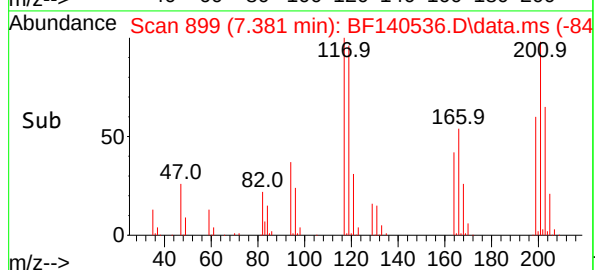
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

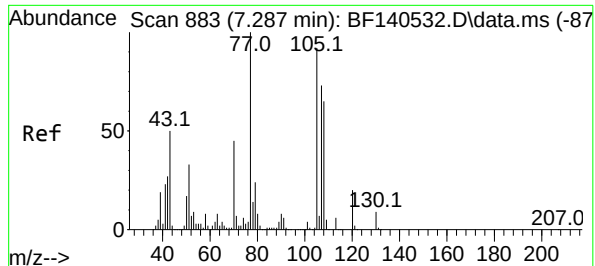


#18
Hexachloroethane
Concen: 40.108 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



Tgt Ion:117 Resp: 114809
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7
201 97.7 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 42.038 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 70 Resp: 205658

Ion Ratio Lower Upper

70 100

42 58.8 47.6 71.4

101 9.8 7.6 11.4

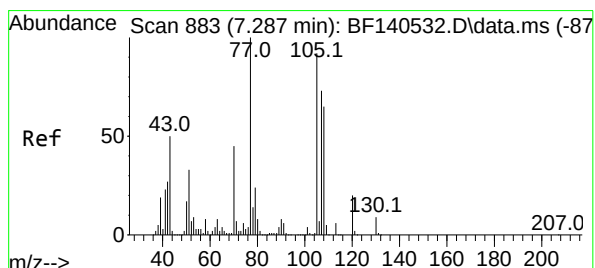
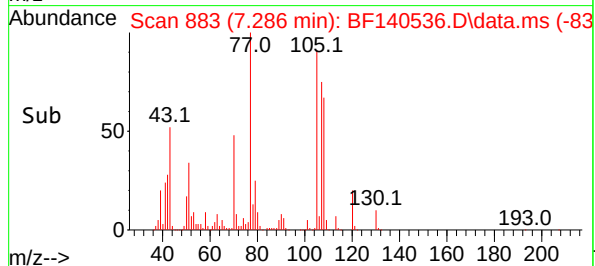
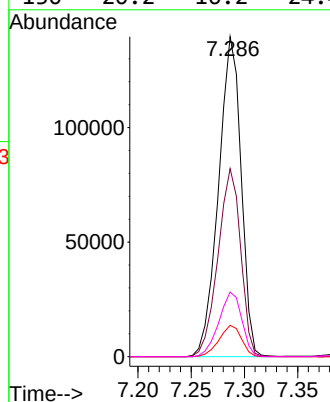
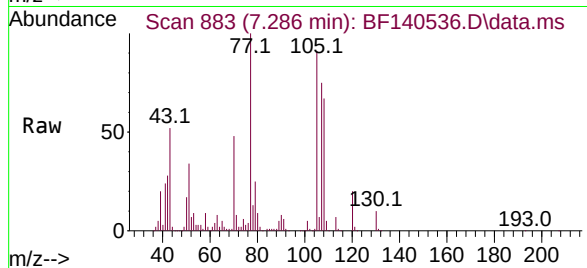
130 20.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#20

3+4-Methylphenols

Concen: 41.536 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Tgt Ion:107 Resp: 287897

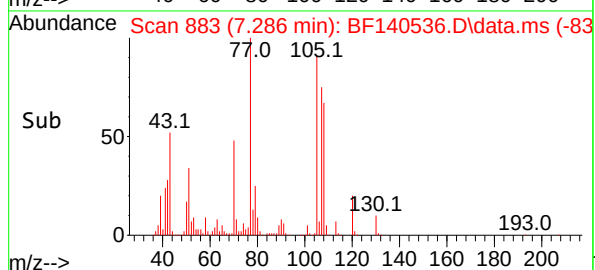
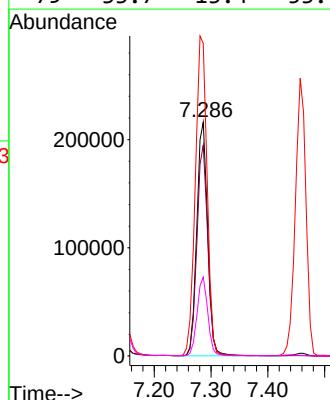
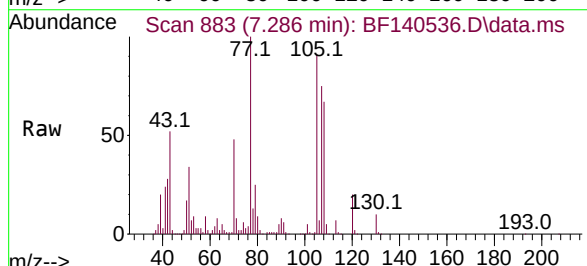
Ion Ratio Lower Upper

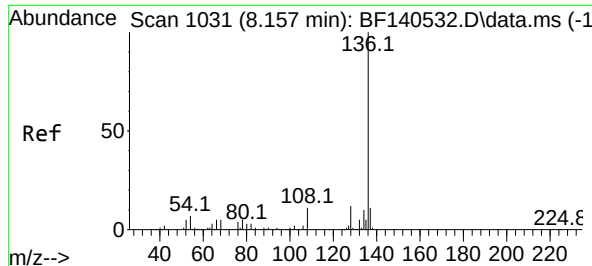
107 100

108 90.2 69.9 109.9

77 133.8 117.7 157.7

79 33.7 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.000 min

Lab File: BF140536.D

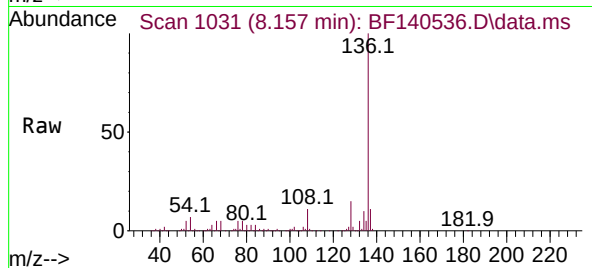
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124



Tgt Ion:136 Resp: 417612

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 6.9 5.8 8.8

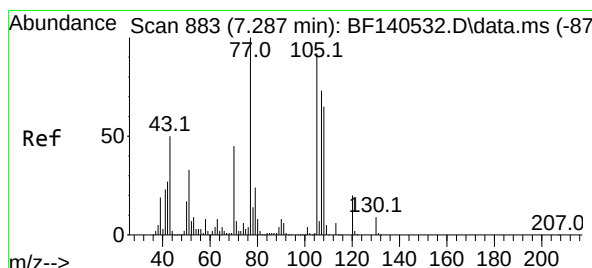
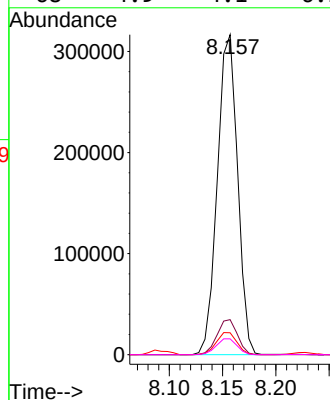
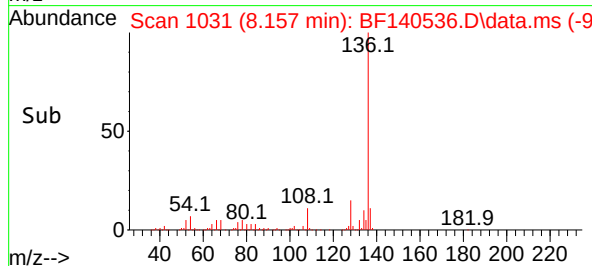
68 4.9 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#22

Acetophenone

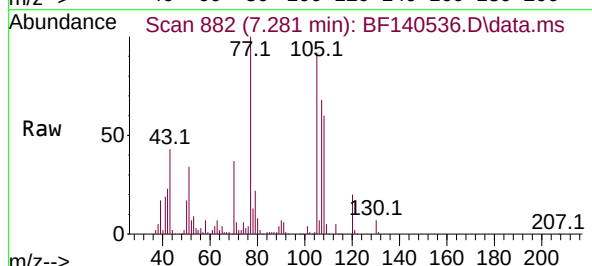
Concen: 38.963 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



Tgt Ion:105 Resp: 396692

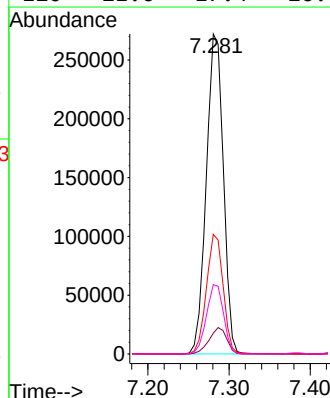
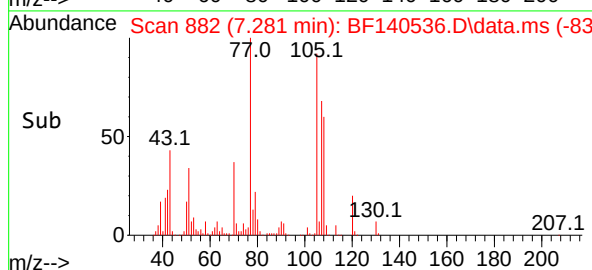
Ion Ratio Lower Upper

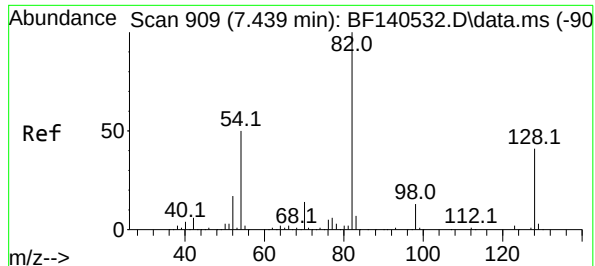
105 100

71 6.5 6.2 9.2

51 37.4 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 78.907 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion: 82 Resp: 644220

Ion Ratio Lower Upper

82 100

128 42.1 33.0 49.4

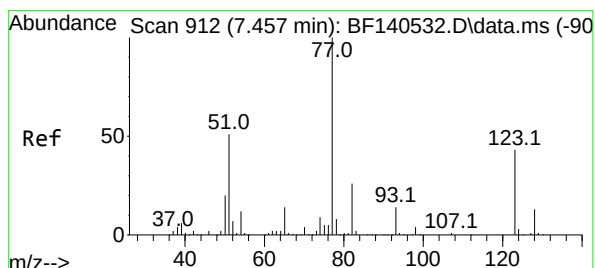
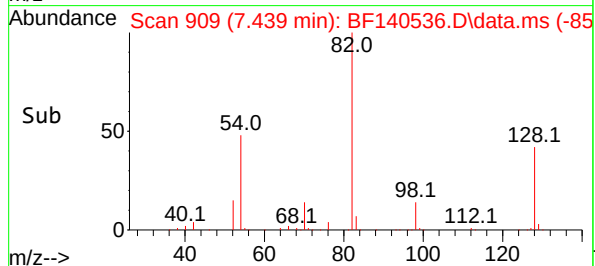
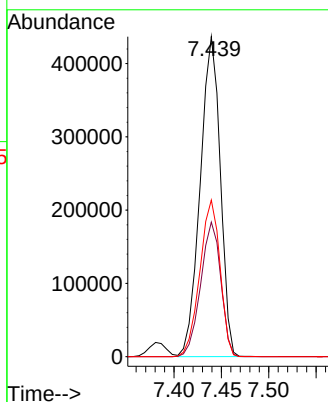
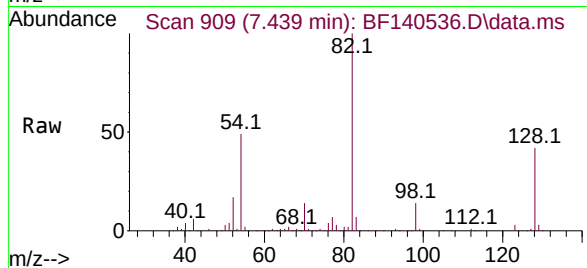
54 49.0 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 39.127 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

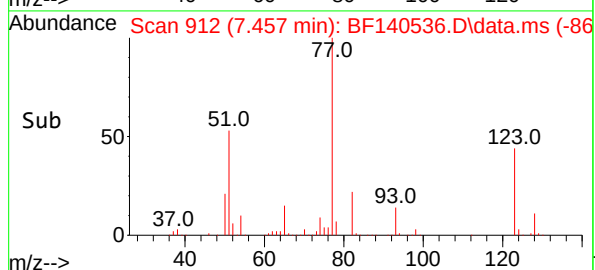
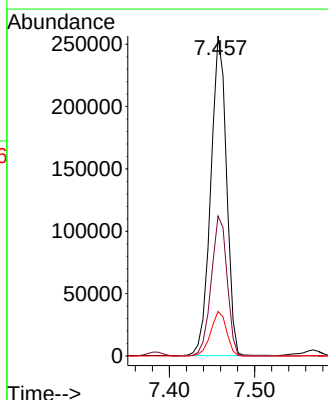
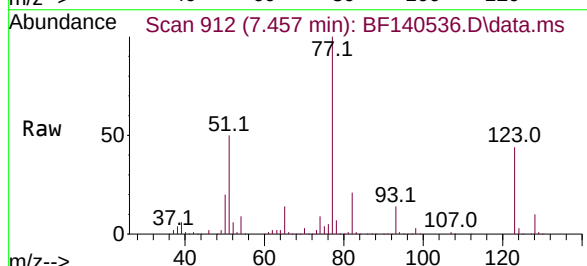
Tgt Ion: 77 Resp: 330161

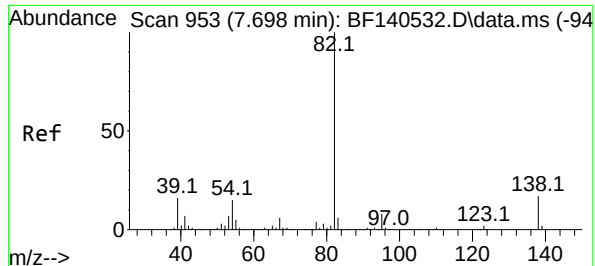
Ion Ratio Lower Upper

77 100

123 43.8 34.3 51.5

65 13.9 11.2 16.8





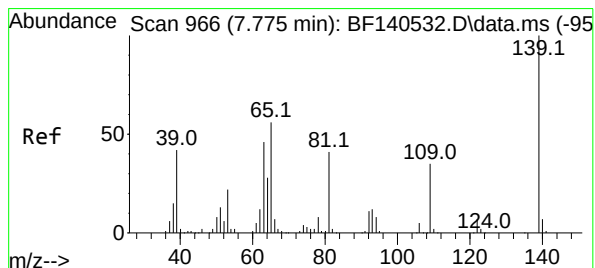
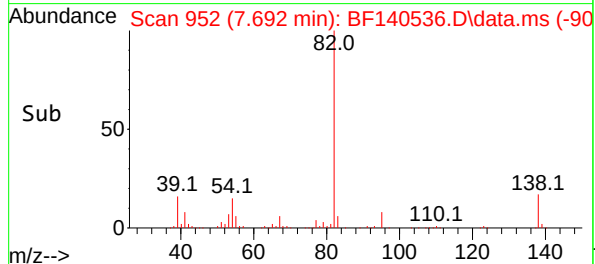
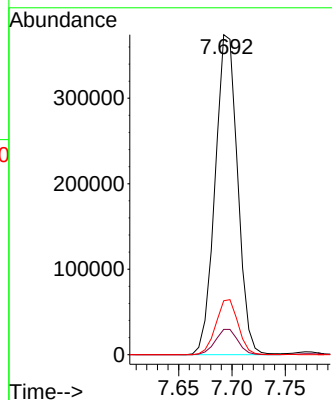
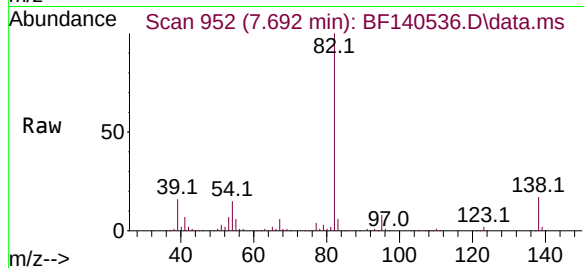
#25
Isophorone
Concen: 40.332 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Tgt Ion: 82 Resp: 54922
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 16.9 13.8 20.6

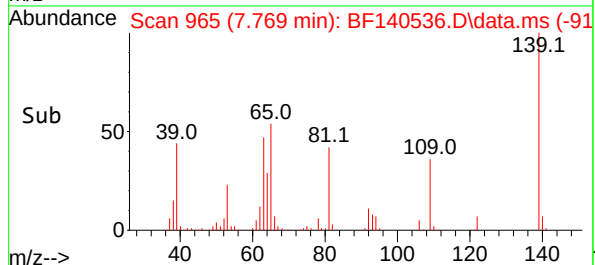
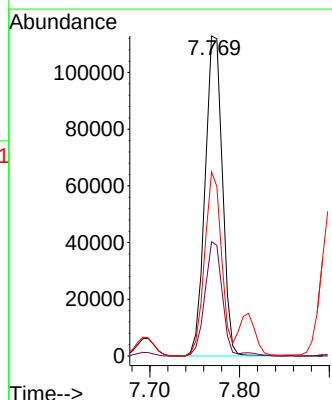
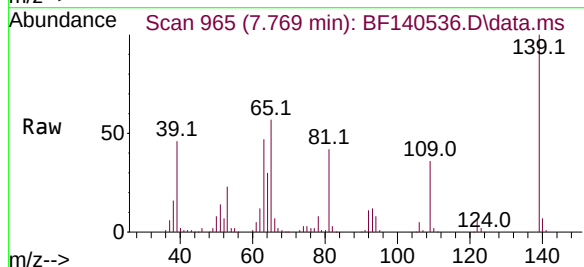
Manual Integrations
APPROVED

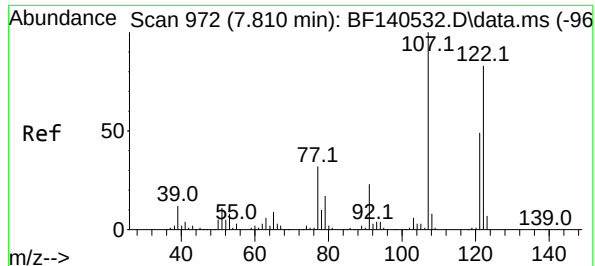
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#26
2-Nitrophenol
Concen: 40.372 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:139 Resp: 150969
Ion Ratio Lower Upper
139 100
109 35.7 28.0 42.0
65 57.5 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 39.568 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:122 Resp: 17703

Ion Ratio Lower Upper

122 100

107 120.3 96.8 145.2

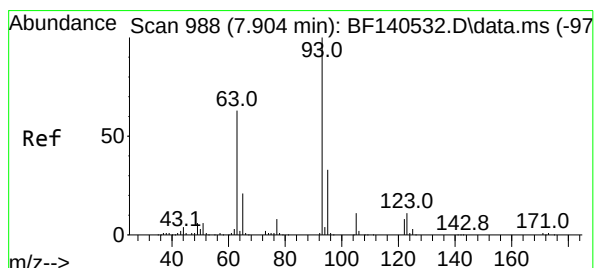
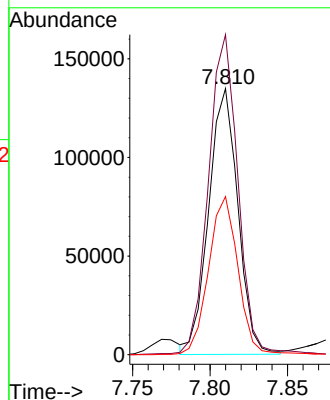
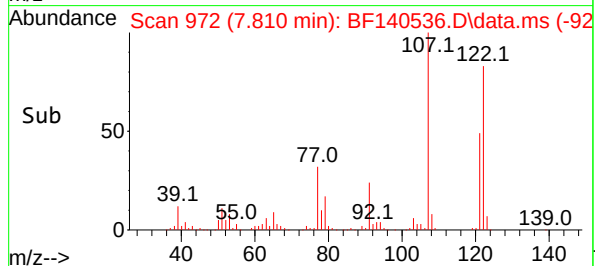
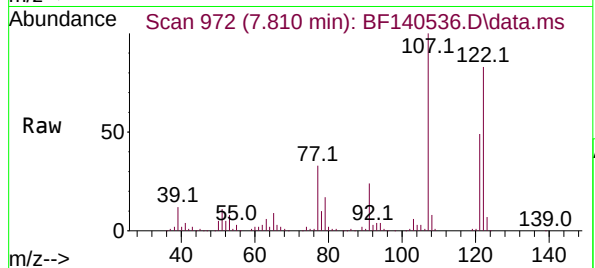
121 59.4 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.938 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

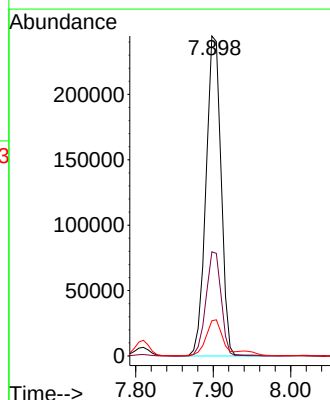
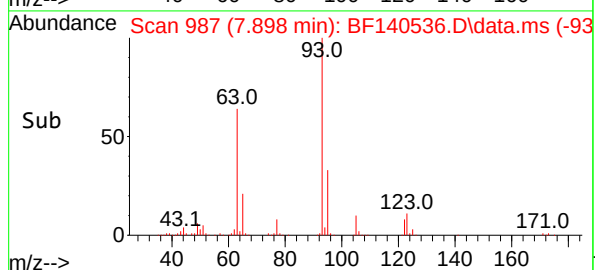
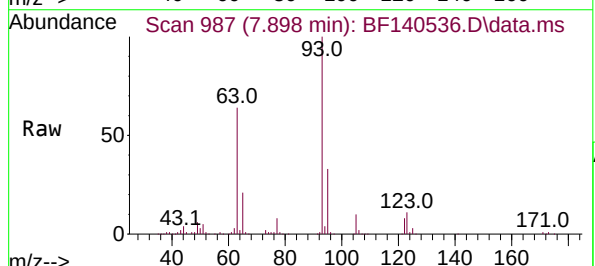
Tgt Ion: 93 Resp: 331321

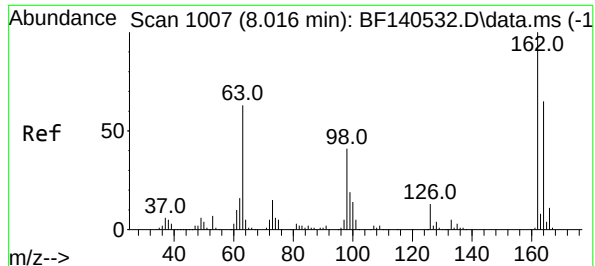
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.952 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF140536.D

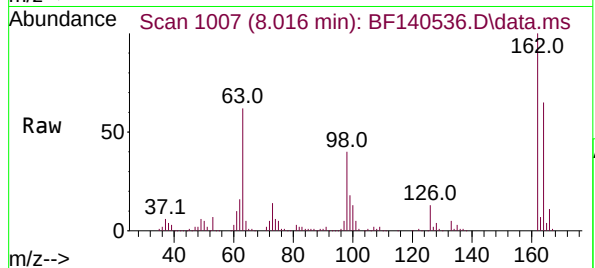
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124



Tgt Ion:162 Resp: 23685

Ion Ratio Lower Upper

162 100

164 64.6 44.8 84.8

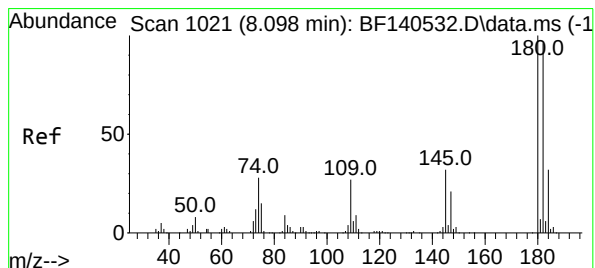
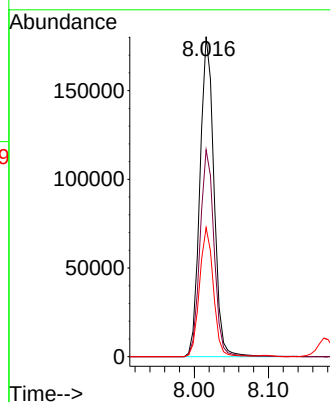
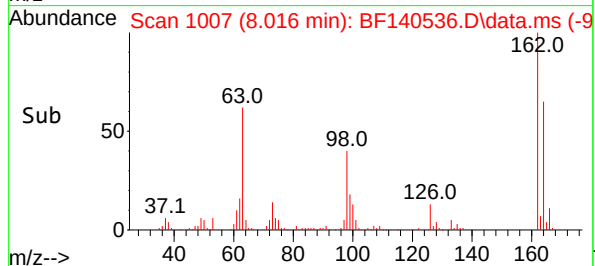
98 40.3 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#30

1,2,4-Trichlorobenzene

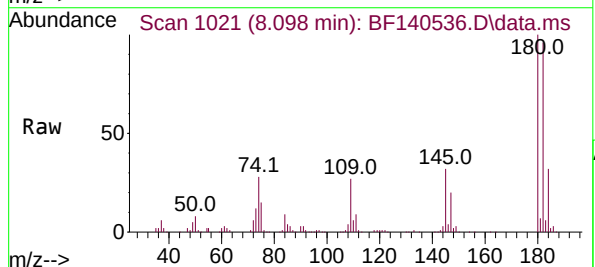
Concen: 38.901 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



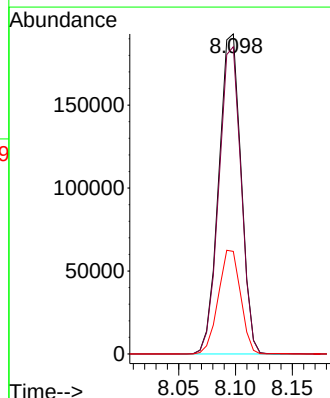
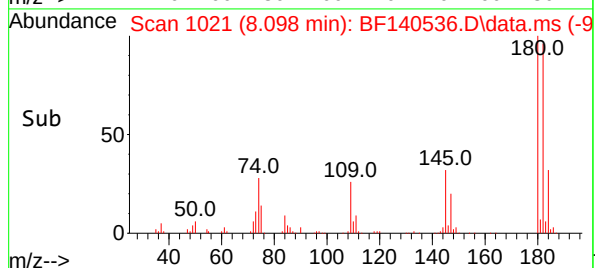
Tgt Ion:180 Resp: 263327

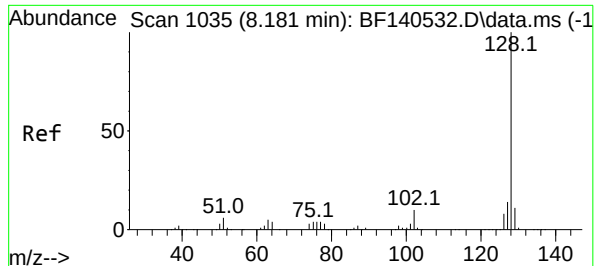
Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 32.1 25.9 38.9





#31

Naphthalene

Concen: 39.152 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:128 Resp: 84218

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

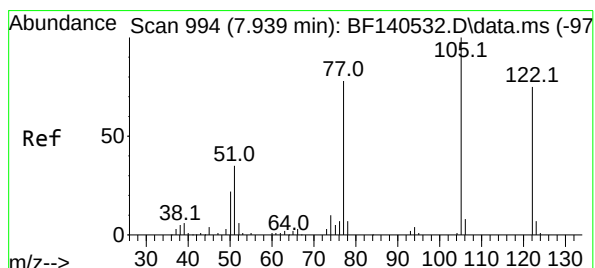
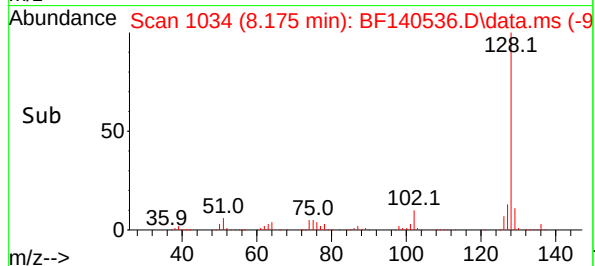
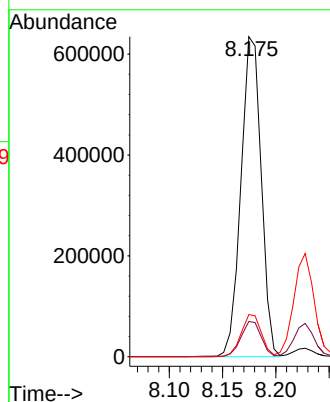
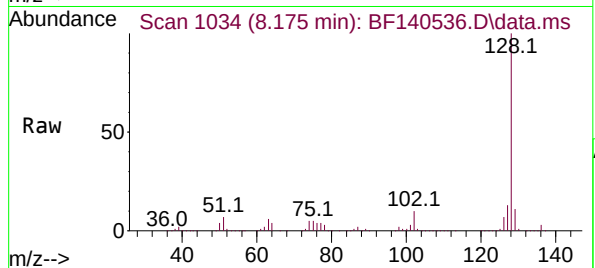
127 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#32

Benzoic acid

Concen: 41.429 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

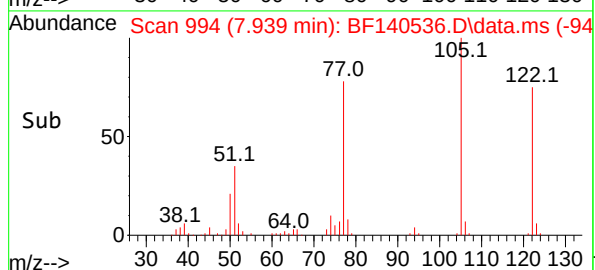
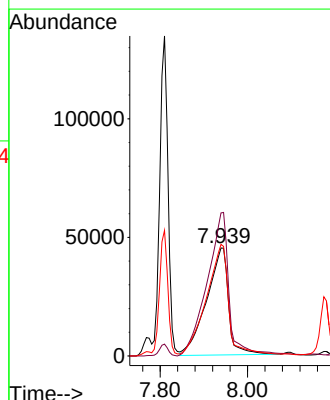
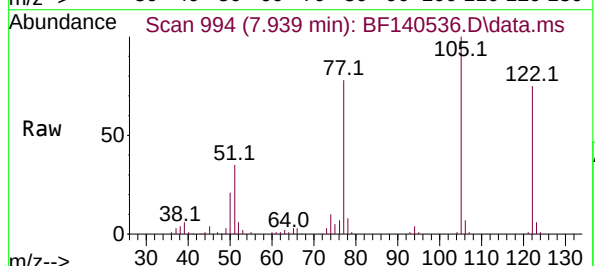
Tgt Ion:122 Resp: 156794

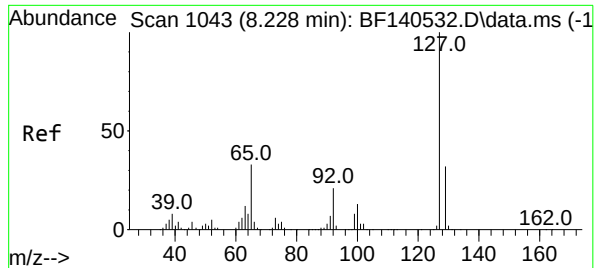
Ion Ratio Lower Upper

122 100

105 132.5 109.3 149.3

77 103.2 82.3 122.3





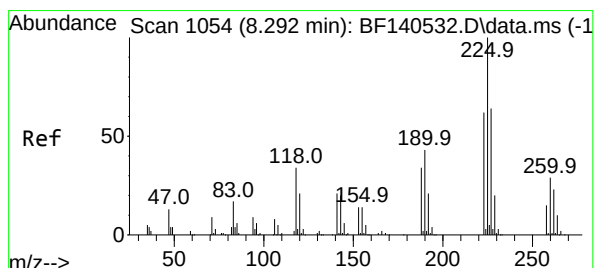
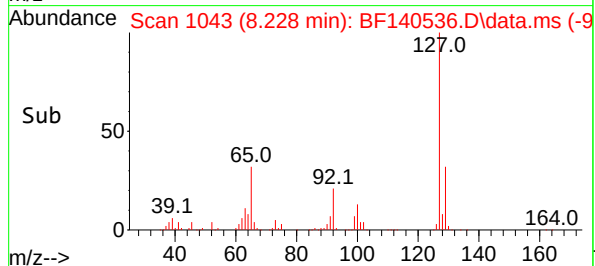
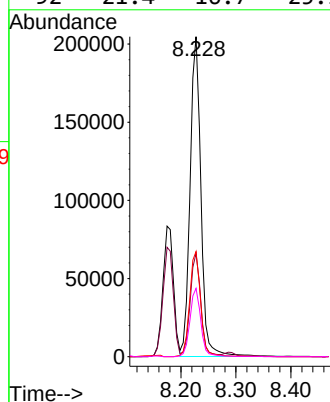
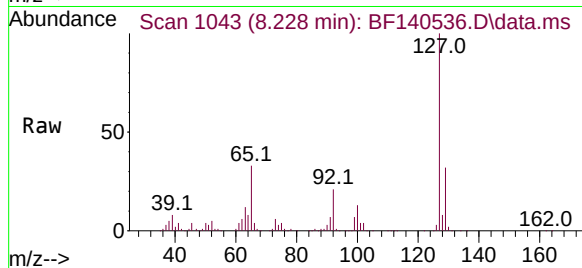
#33
4-Chloroaniline
Concen: 43.551 ng
RT: 8.228 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	32.9	26.0	39.0
92	21.4	16.7	25.1

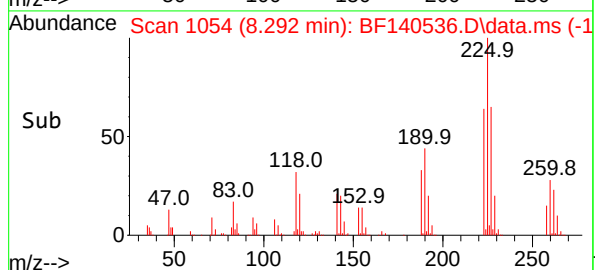
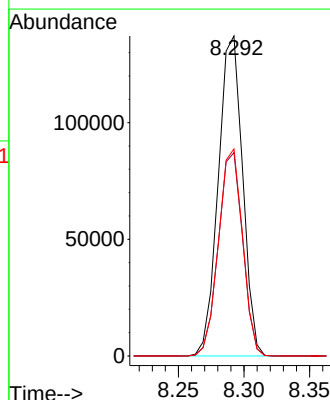
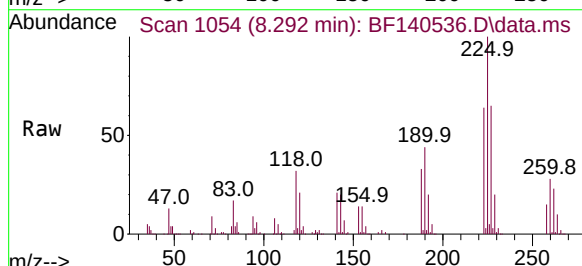
Manual Integrations
APPROVED

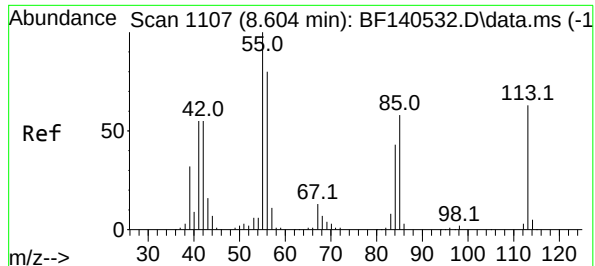
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#34
Hexachlorobutadiene
Concen: 39.406 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

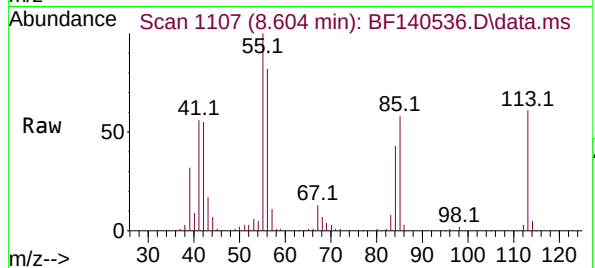
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.8	74.8
227	64.7	51.3	76.9





#35
Caprolactam
Concen: 40.381 ng
RT: 8.604 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

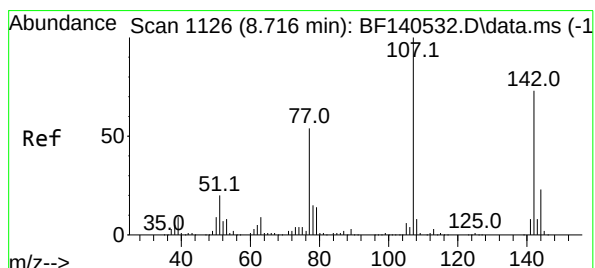
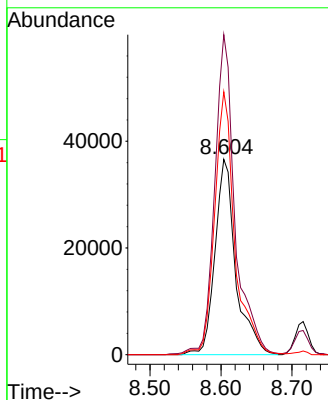
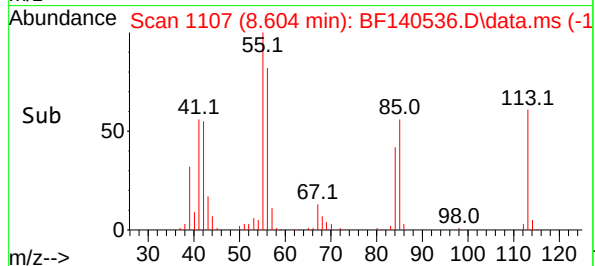
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:113 Resp: 74088
Ion Ratio Lower Upper
113 100
55 163.7 137.7 177.7
56 134.5 106.4 146.4

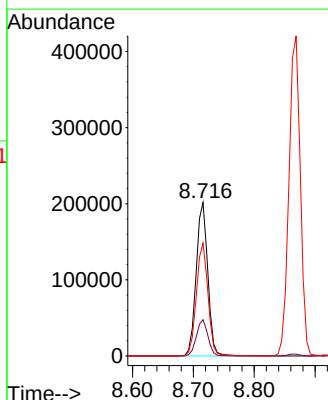
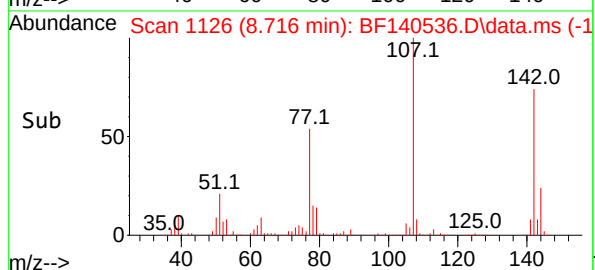
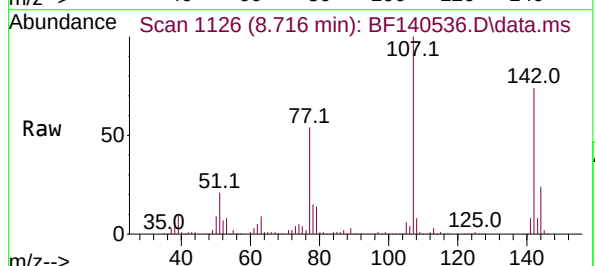
Manual Integrations
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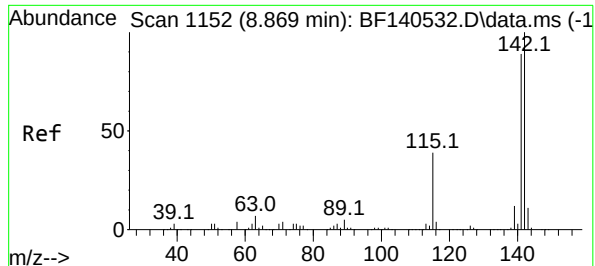
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#36
4-Chloro-3-methylphenol
Concen: 40.203 ng
RT: 8.716 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:107 Resp: 266862
Ion Ratio Lower Upper
107 100
144 23.7 18.7 28.1
142 73.5 58.3 87.5





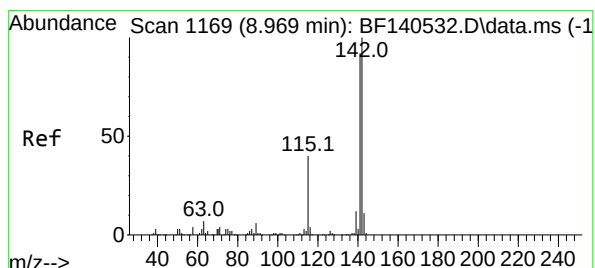
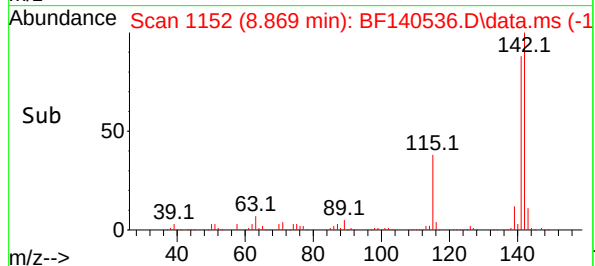
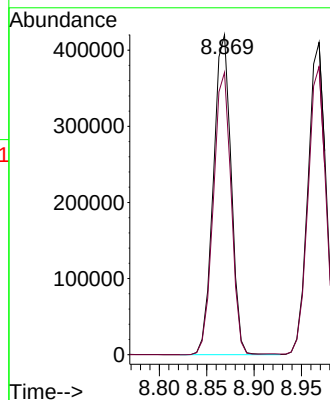
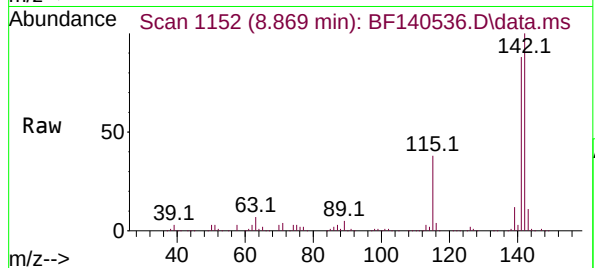
#37
2-Methylnaphthalene
Concen: 39.987 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Tgt Ion:142 Resp: 54633
Ion Ratio Lower Upper
142 100
141 88.2 71.0 106.6

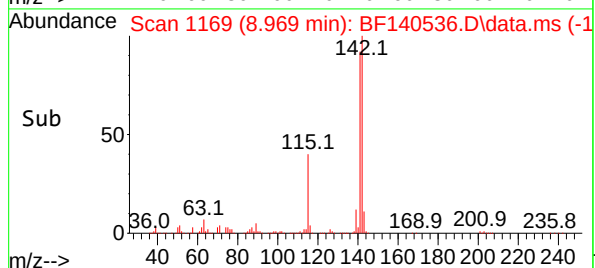
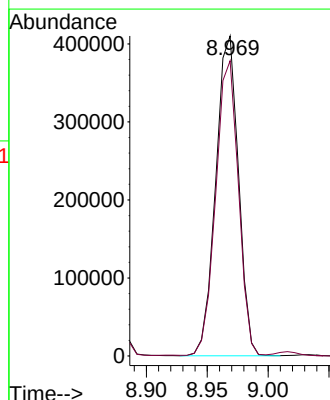
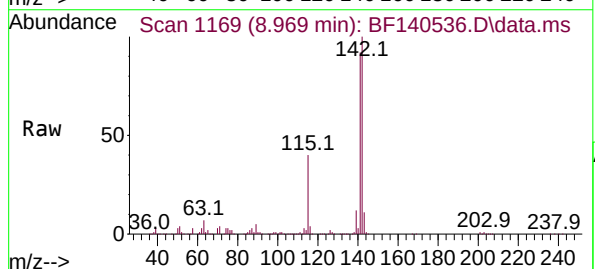
Manual Integrations
APPROVED

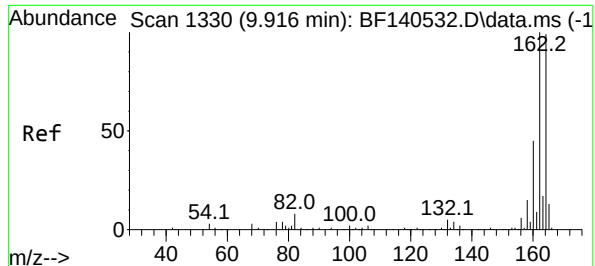
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#38
1-Methylnaphthalene
Concen: 39.688 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:142 Resp: 531502
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140536.D

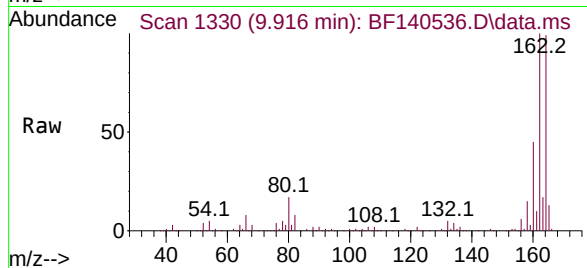
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124



Tgt Ion:164 Resp: 239418

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

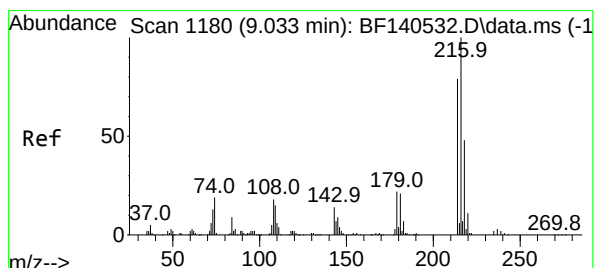
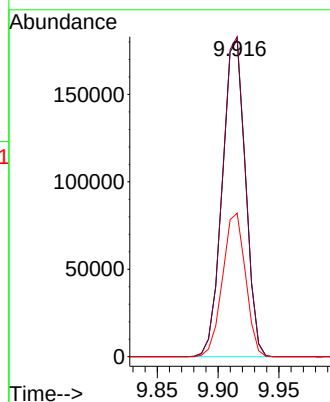
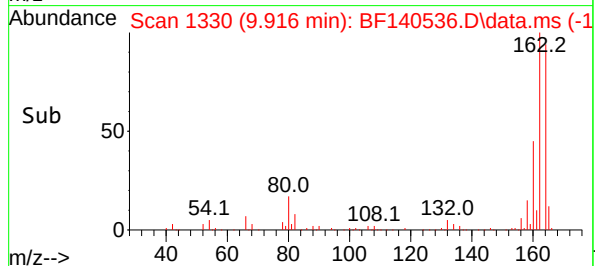
160 45.3 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

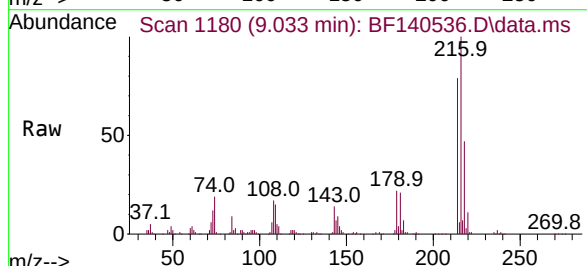
Concen: 38.824 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



Tgt Ion:216 Resp: 272114

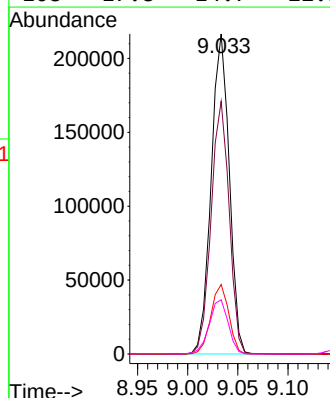
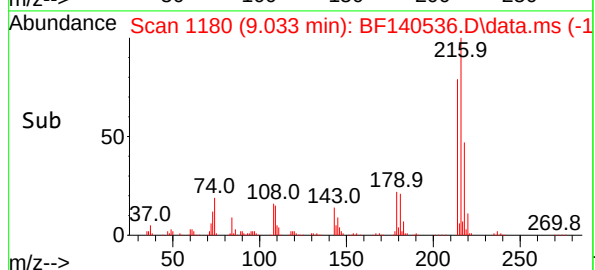
Ion Ratio Lower Upper

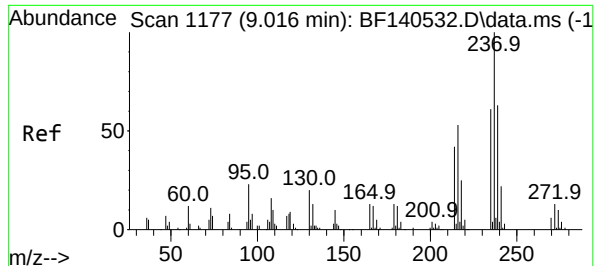
216 100

214 78.5 63.0 94.4

179 21.6 17.5 26.3

108 17.8 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 37.711 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

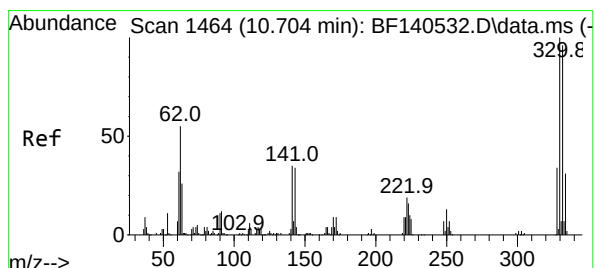
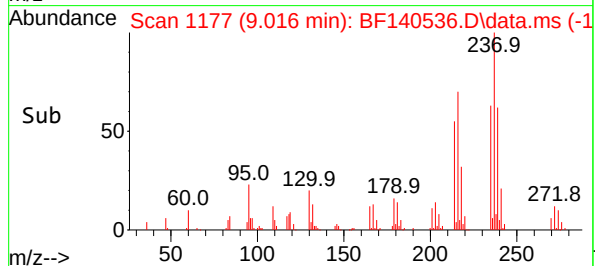
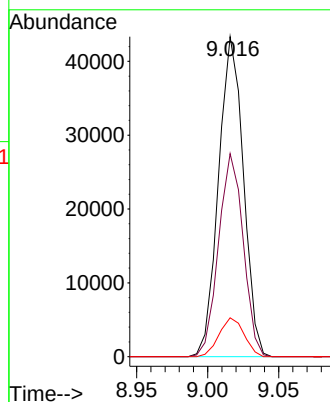
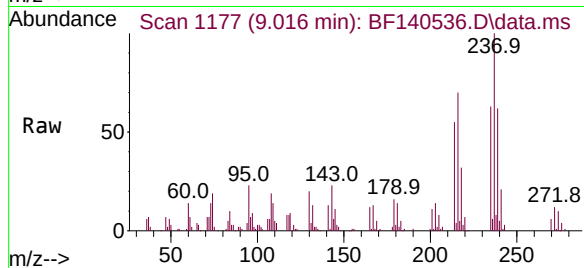
ICVBF112124

Tgt Ion:	237	Resp:	52730
Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.1	81.1
272	12.2	0.0	32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#42

2,4,6-Tribromophenol

Concen: 79.677 ng

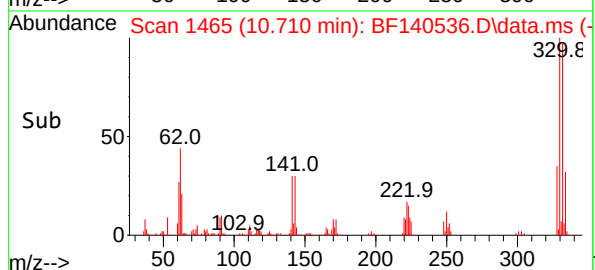
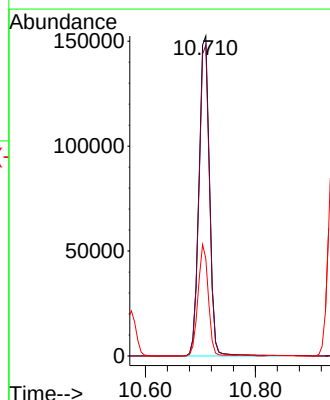
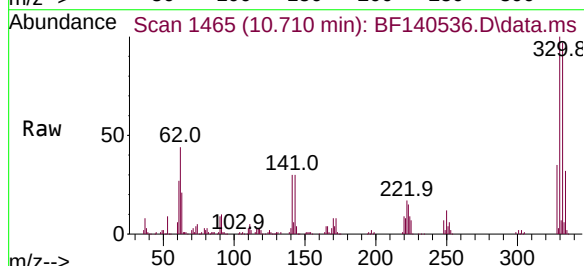
RT: 10.710 min Scan# 1465

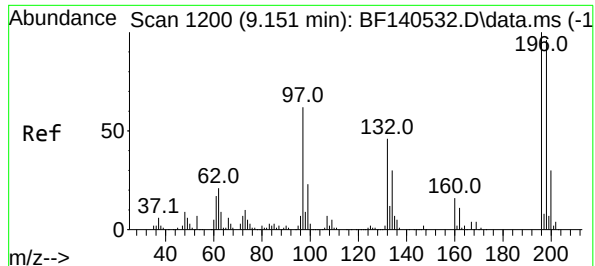
Delta R.T. 0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Tgt Ion:	330	Resp:	204020
Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	33.7	26.7	40.1





#43

2,4,6-Trichlorophenol

Concen: 39.390 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.000 min

Lab File: BF140536.D

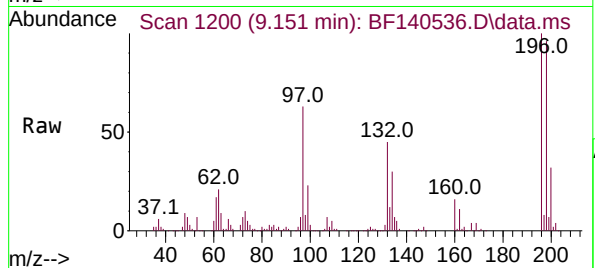
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124



Tgt Ion:196 Resp: 173239

Ion Ratio Lower Upper

196 100

198 95.9 76.8 115.2

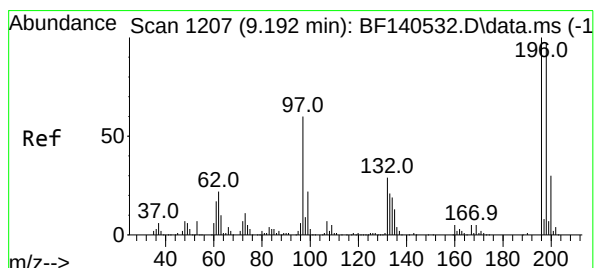
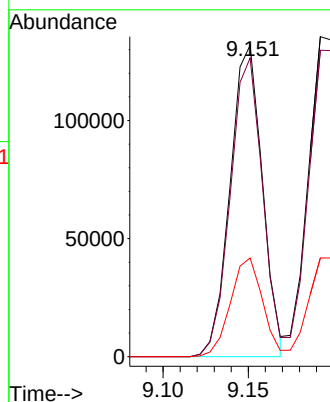
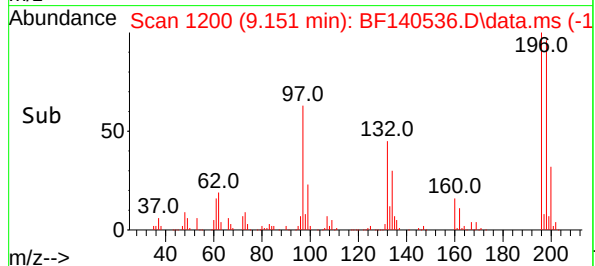
200 31.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

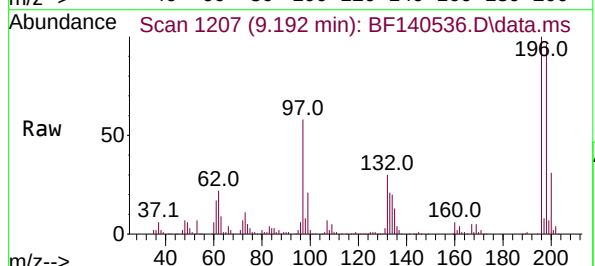
Concen: 40.302 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07



Tgt Ion:196 Resp: 192368

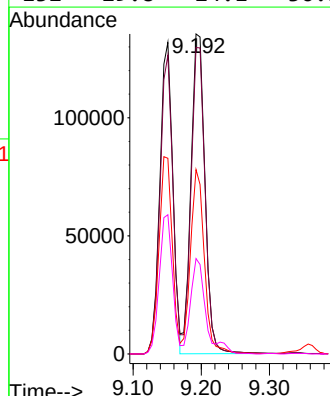
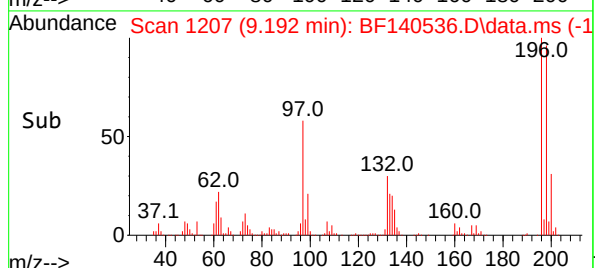
Ion Ratio Lower Upper

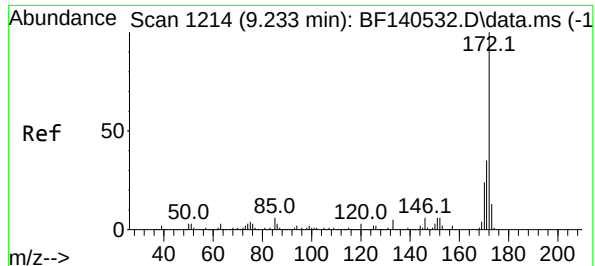
196 100

198 95.7 77.2 115.8

97 57.6 47.1 70.7

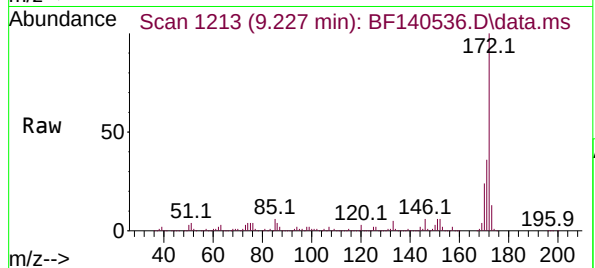
132 29.8 24.1 36.1





#45
2-Fluorobiphenyl
Concen: 76.390 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

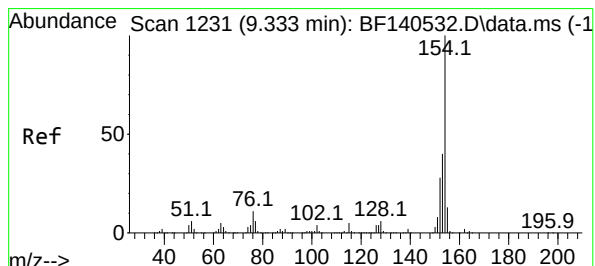
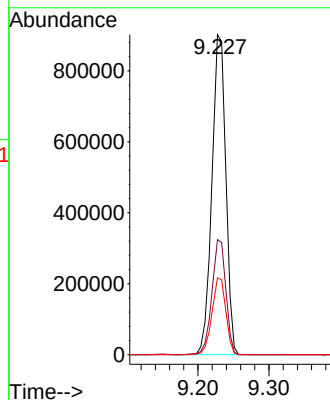
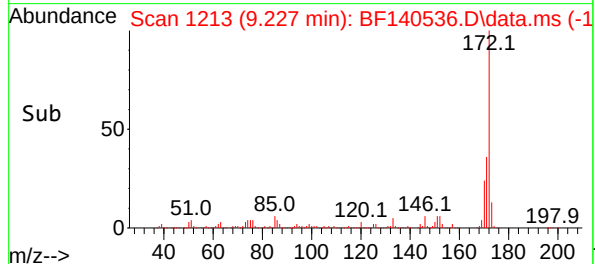
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:172 Resp: 122750
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.0 19.0 28.6

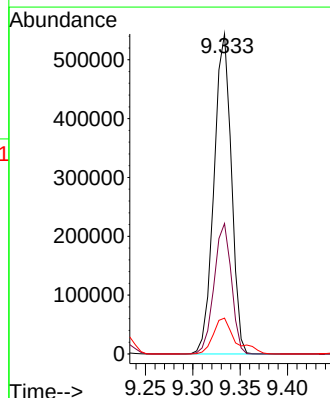
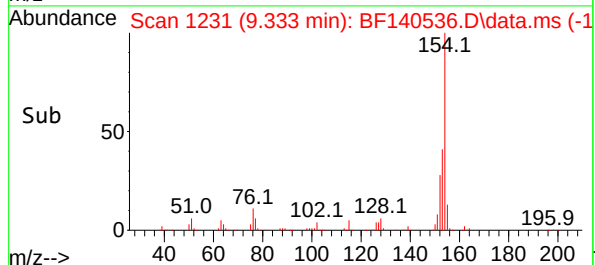
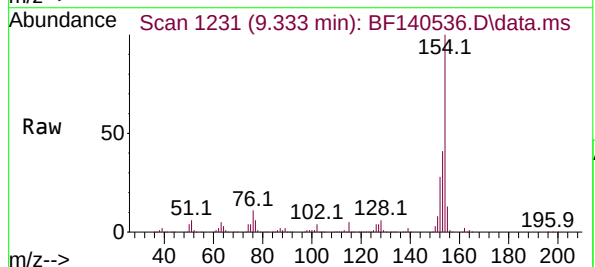
Manual Integrations
APPROVED

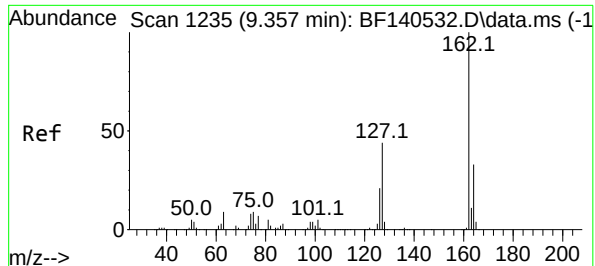
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#46
1,1'-Biphenyl
Concen: 38.769 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:154 Resp: 693007
Ion Ratio Lower Upper
154 100
153 40.8 20.4 60.4
76 11.2 0.0 31.2





#47

2-Chloronaphthalene

Concen: 39.197 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:162 Resp: 53089

Ion Ratio Lower Upper

162 100

127 44.8 35.7 53.5

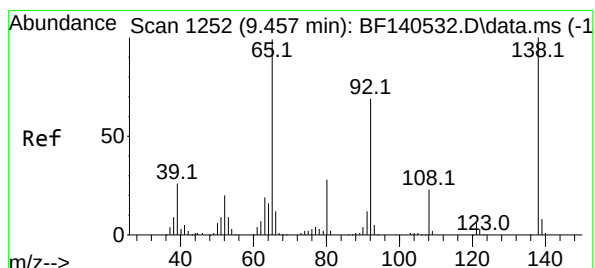
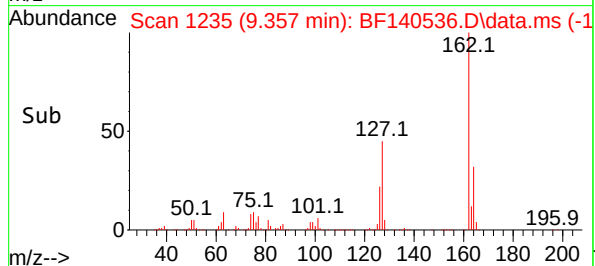
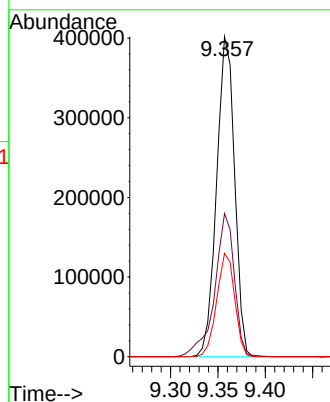
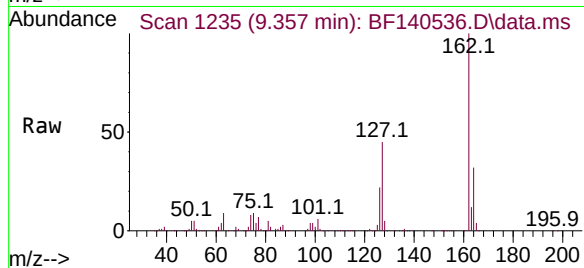
164 32.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 40.037 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

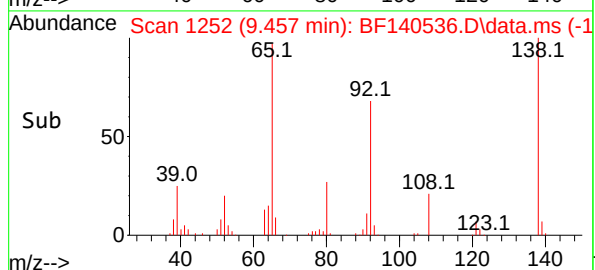
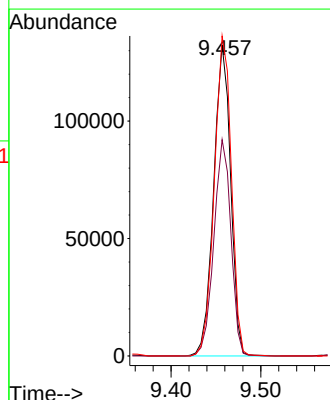
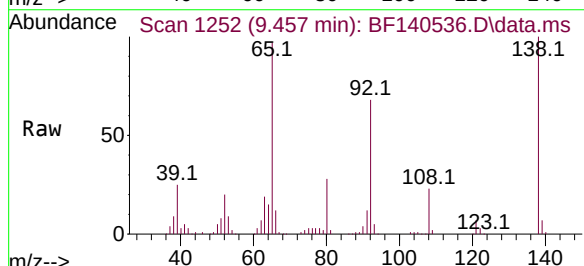
Tgt Ion: 65 Resp: 174060

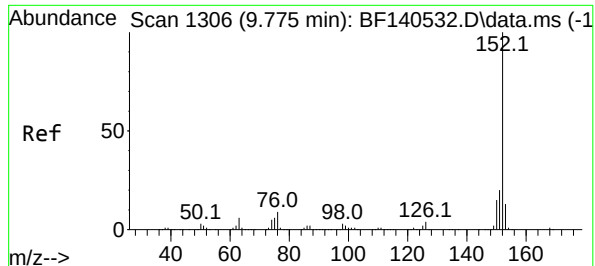
Ion Ratio Lower Upper

65 100

92 69.5 56.1 84.1

138 102.8 81.0 121.6





#49

Acenaphthylene

Concen: 38.850 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

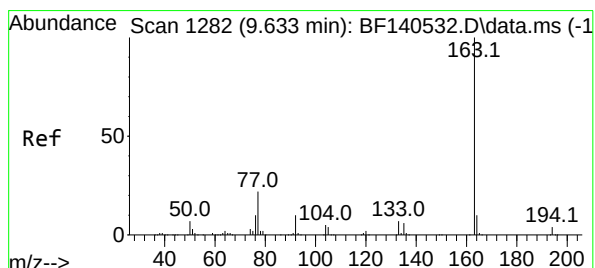
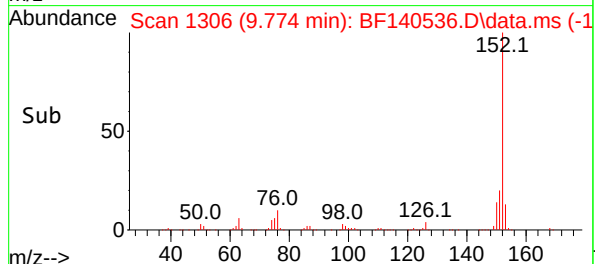
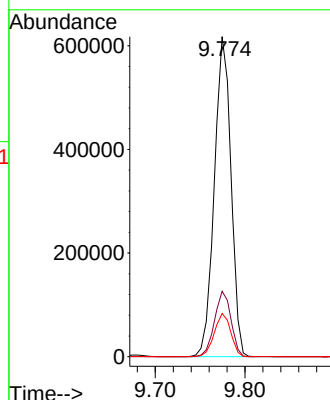
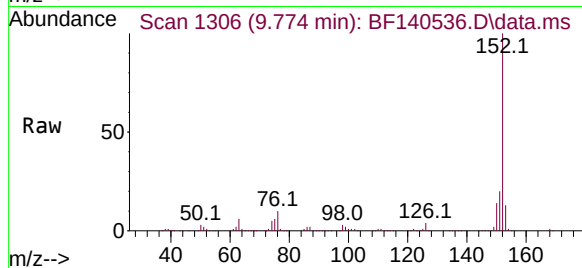
ICVBF112124

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.5	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#50

Dimethylphthalate

Concen: 39.591 ng

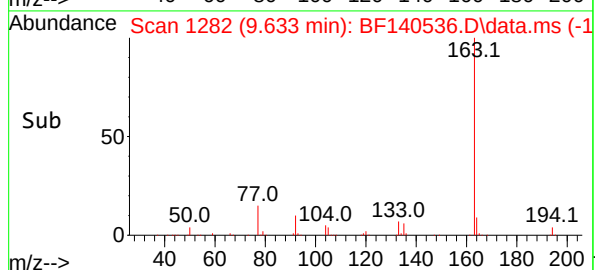
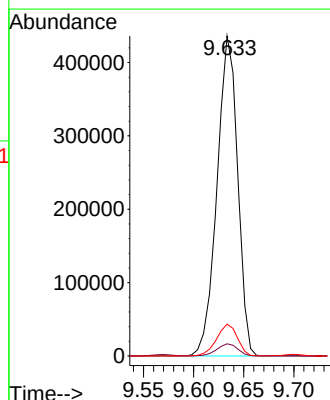
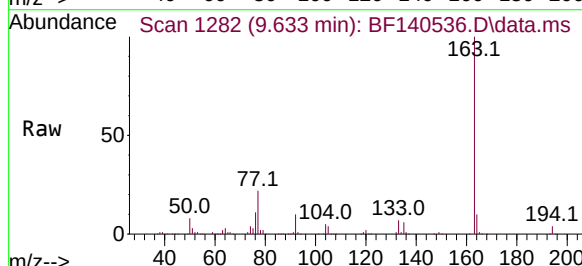
RT: 9.633 min Scan# 1282

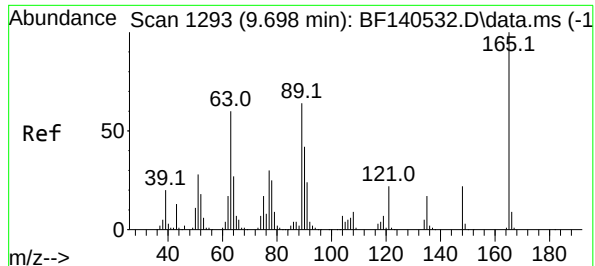
Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

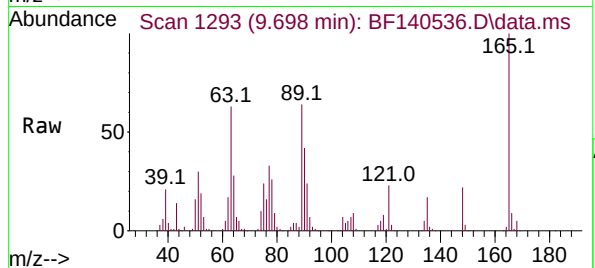
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 39.356 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

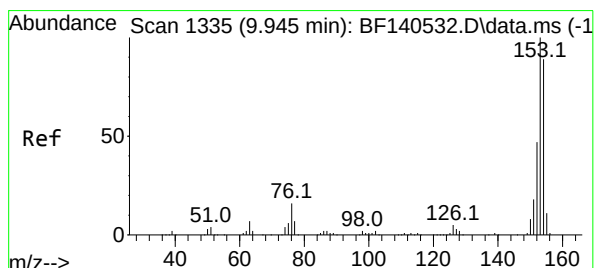
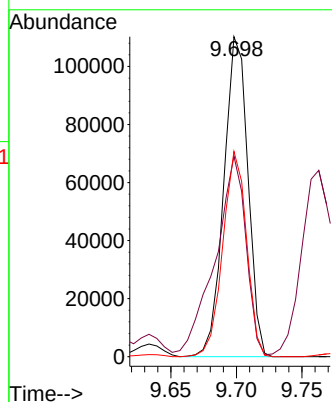
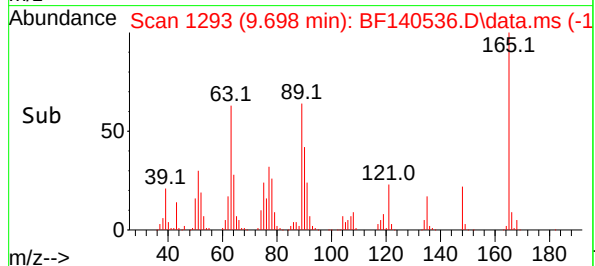
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:165 Resp: 140739
Ion Ratio Lower Upper
165 100
63 62.6 49.9 74.9
89 64.1 50.9 76.3

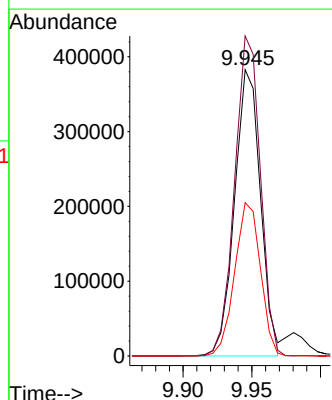
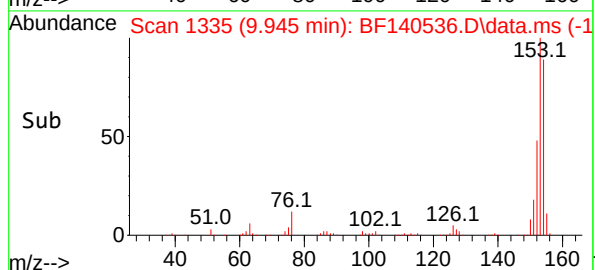
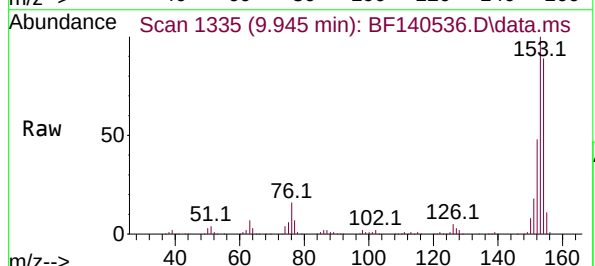
Manual Integrations
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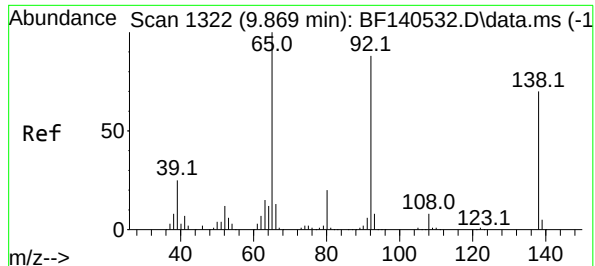
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#52
Acenaphthene
Concen: 38.578 ng m
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

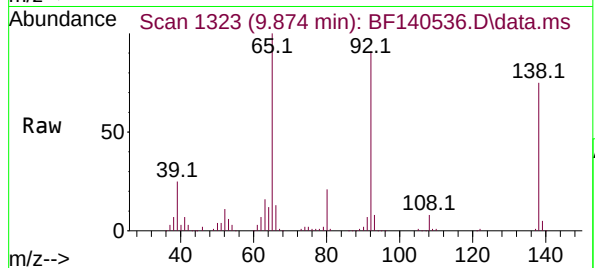
Tgt Ion:154 Resp: 501631
Ion Ratio Lower Upper
154 100
153 111.8 89.7 134.5
152 53.6 42.5 63.7





#53
3-Nitroaniline
Concen: 40.901 ng
RT: 9.874 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

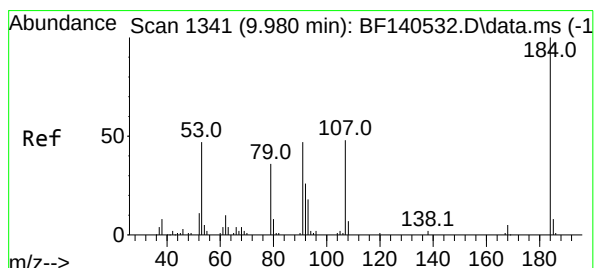
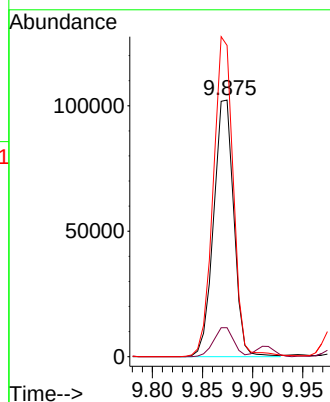
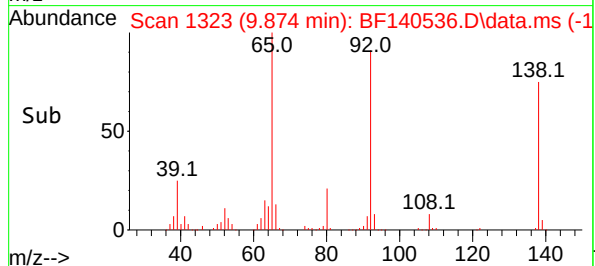
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:138 Resp: 14305
Ion Ratio Lower Upper
138 100
108 11.3 9.2 13.8
92 121.3 100.6 150.8

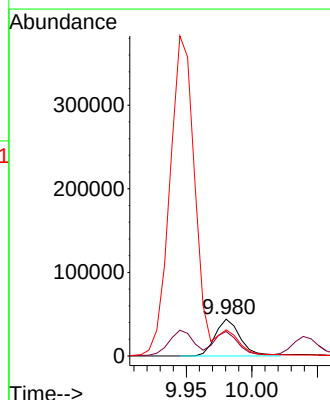
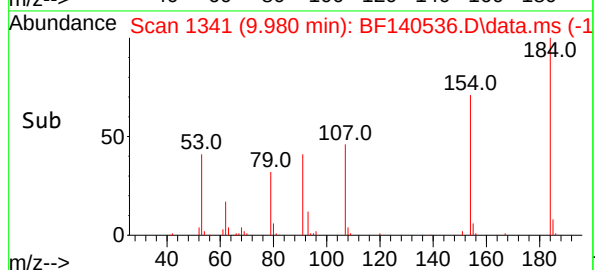
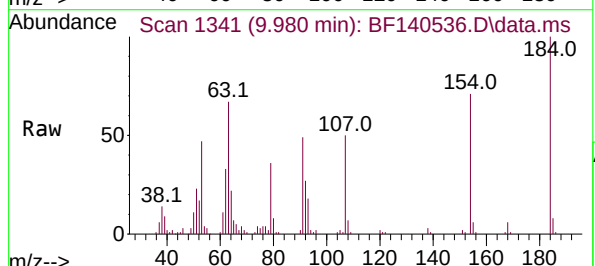
Manual Integrations
APPROVED

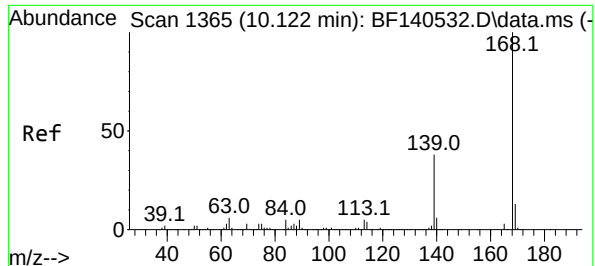
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#54
2,4-Dinitrophenol
Concen: 36.341 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:184 Resp: 58542
Ion Ratio Lower Upper
184 100
63 66.6 54.1 81.1
154 71.0 57.4 86.0





#55

Dibenzofuran

Concen: 38.644 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:168 Resp: 766460

Ion Ratio Lower Upper

168 100

139 39.7 31.3 46.9

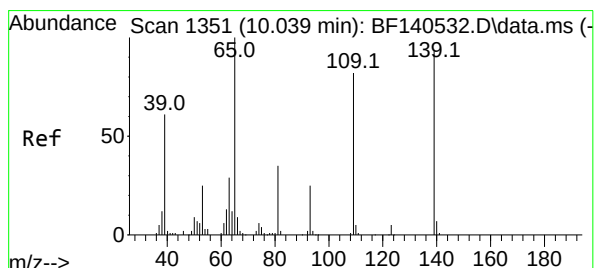
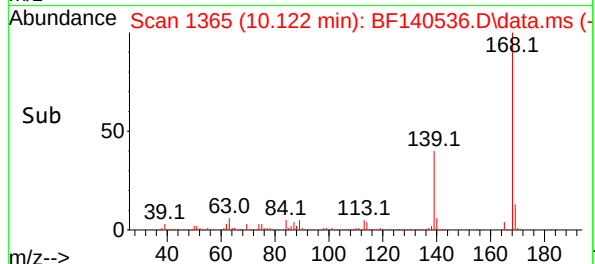
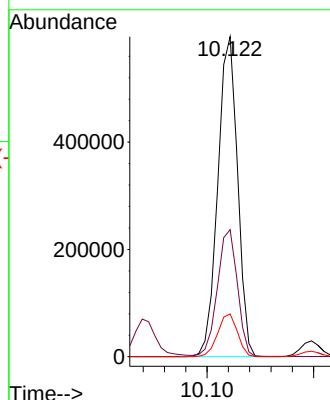
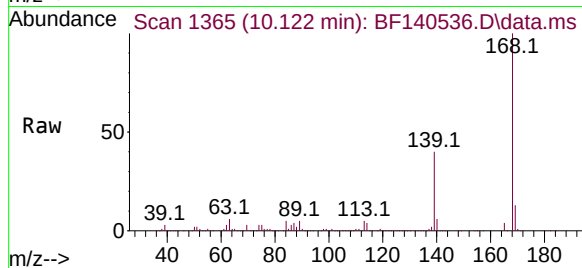
169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#56

4-Nitrophenol

Concen: 42.263 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

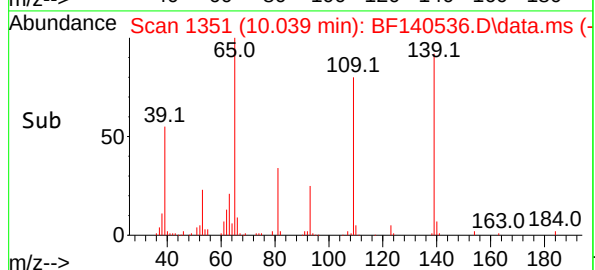
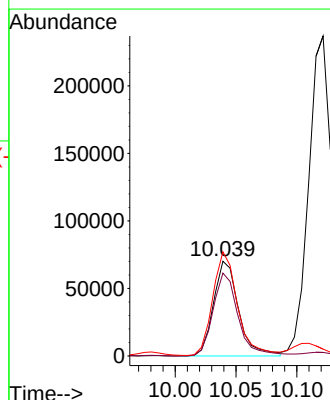
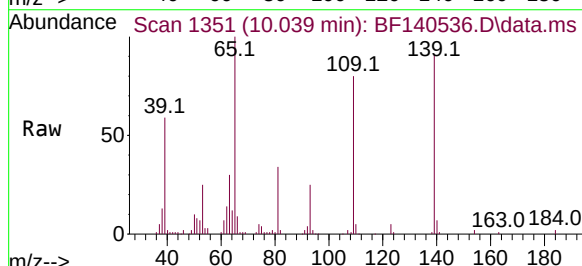
Tgt Ion:139 Resp: 100812

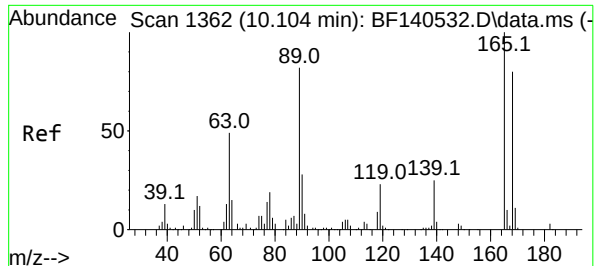
Ion Ratio Lower Upper

139 100

109 87.5 68.4 108.4

65 109.9 88.6 128.6





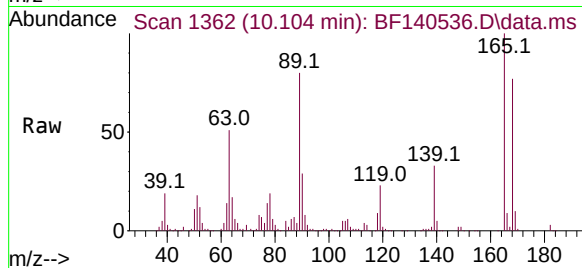
#57
2,4-Dinitrotoluene
Concen: 41.025 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

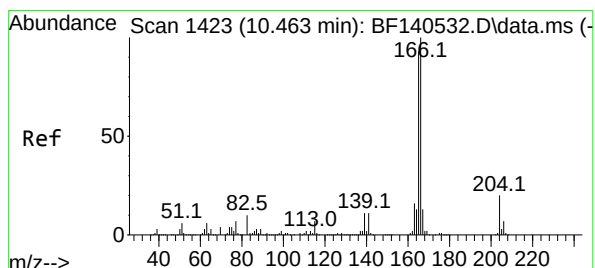
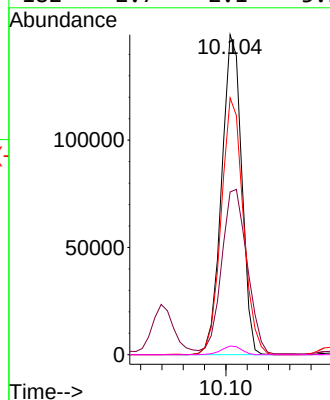
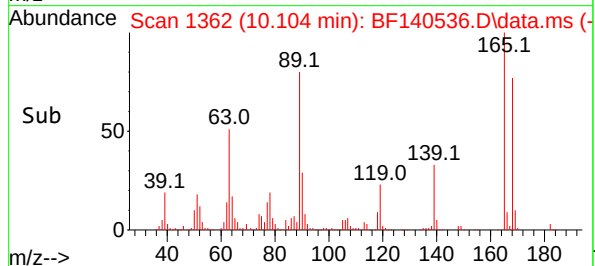


Tgt Ion:165 Resp: 194980
Ion Ratio Lower Upper
165 100
63 50.9 41.7 62.5
89 80.3 65.8 98.8
182 2.7 2.1 3.1

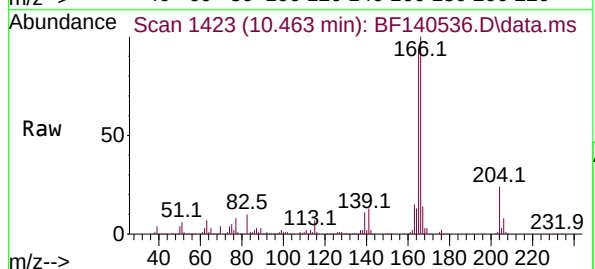
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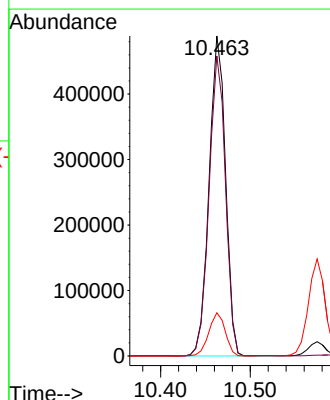
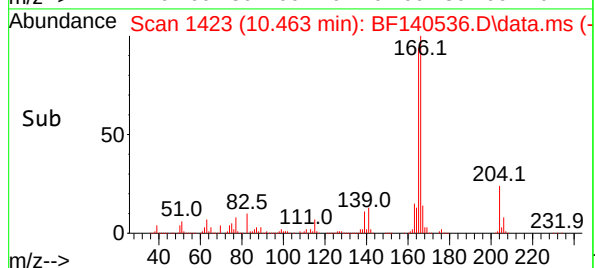
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

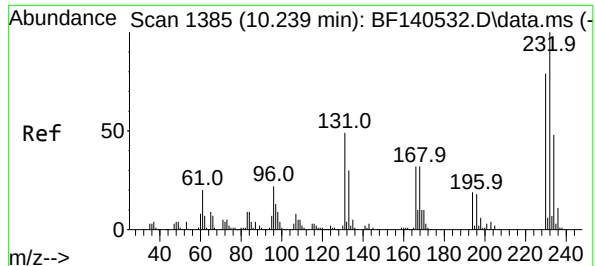


#58
Fluorene
Concen: 39.115 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



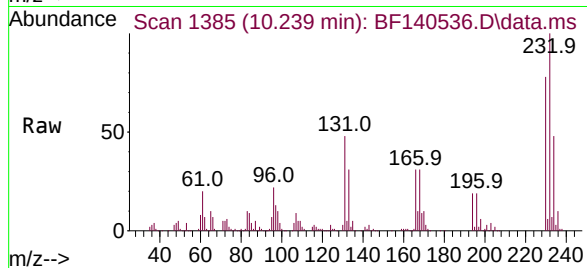
Tgt Ion:166 Resp: 622708
Ion Ratio Lower Upper
166 100
165 93.7 74.6 111.8
167 13.5 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.797 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

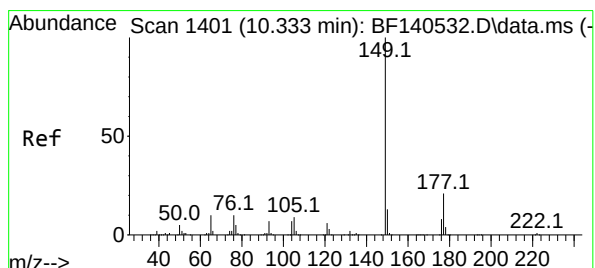
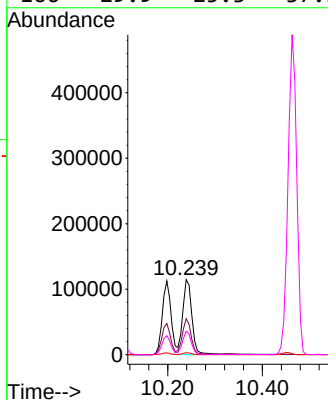
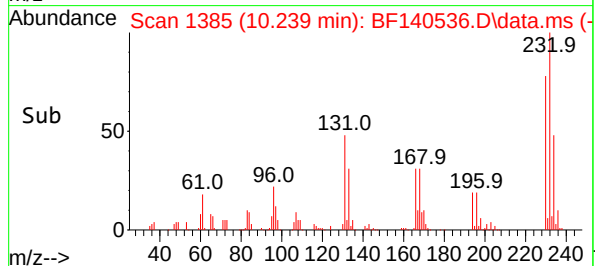
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:232 Resp: 153321
Ion Ratio Lower Upper
232 100
131 46.8 39.6 59.4
130 2.5 1.9 2.9
166 29.9 25.3 37.9

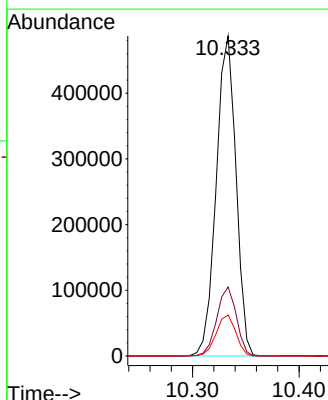
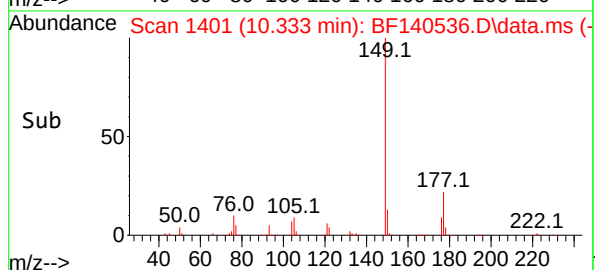
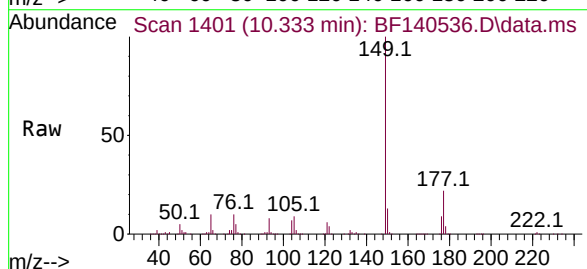
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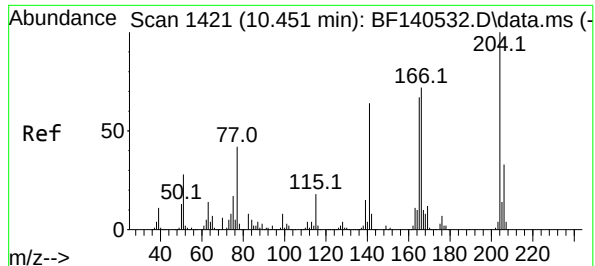
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#60
Diethylphthalate
Concen: 39.078 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

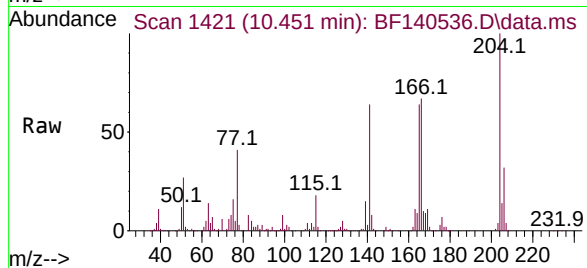
Tgt Ion:149 Resp: 626046
Ion Ratio Lower Upper
149 100
177 21.5 17.1 25.7
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.536 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

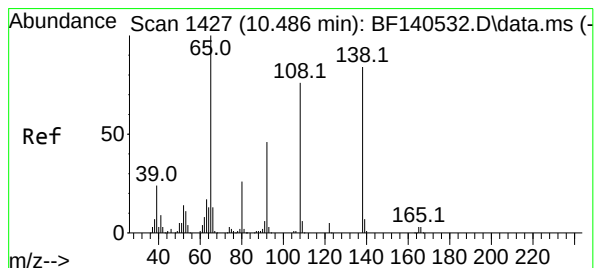
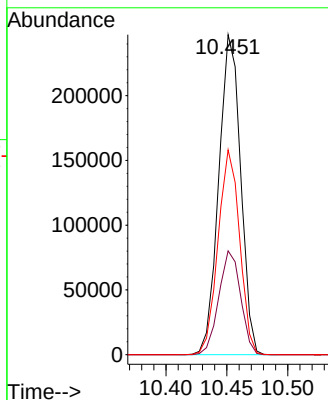
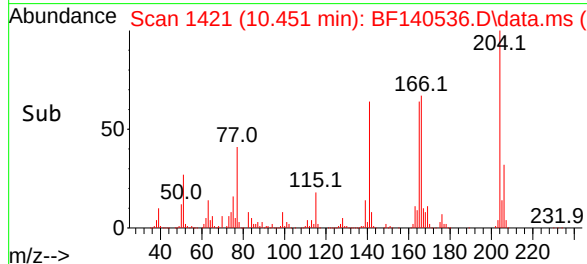
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:204 Resp: 30889
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 64.0 51.1 76.7

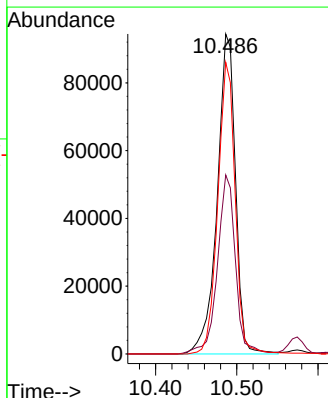
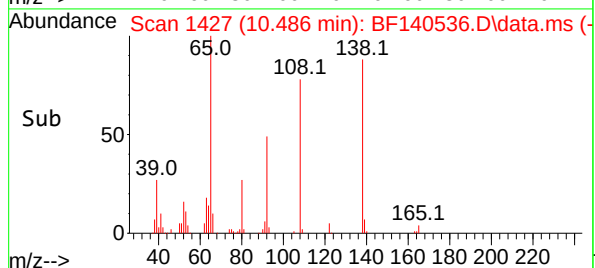
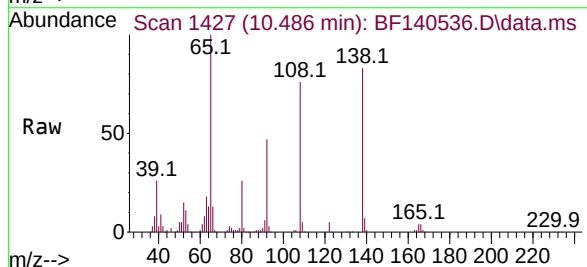
Manual Integrations
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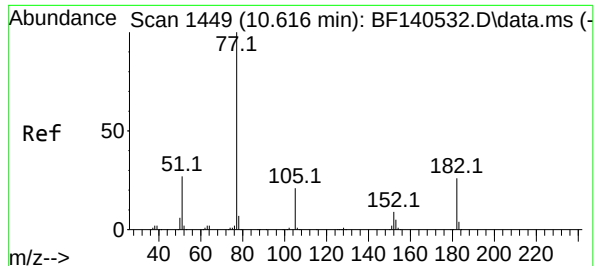
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#62
4-Nitroaniline
Concen: 40.369 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

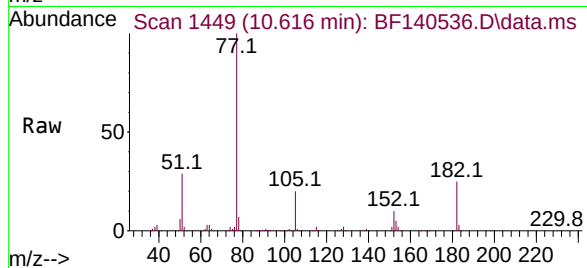
Tgt Ion:138 Resp: 148087
Ion Ratio Lower Upper
138 100
92 56.0 34.5 74.5
108 91.1 70.6 110.6





#63
Azobenzene
Concen: 39.396 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

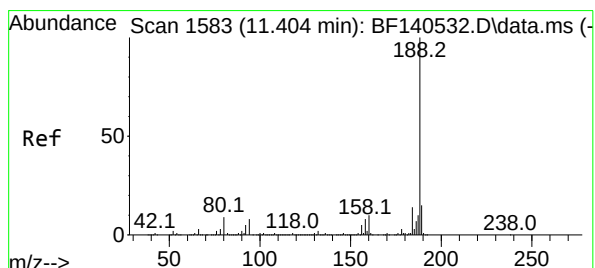
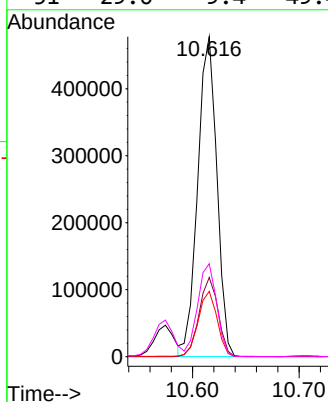
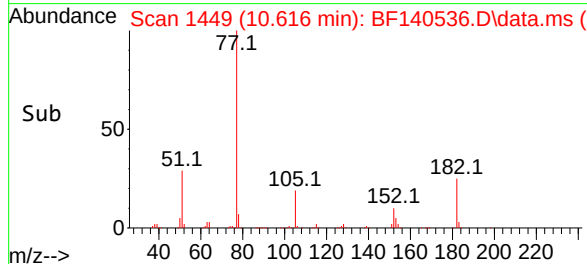
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



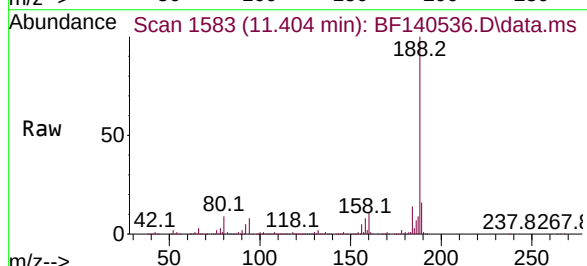
Tgt Ion: 77 Resp: 59768
Ion Ratio Lower Upper
77 100
182 24.7 5.3 45.3
105 20.4 0.3 40.3
51 29.0 9.4 49.4

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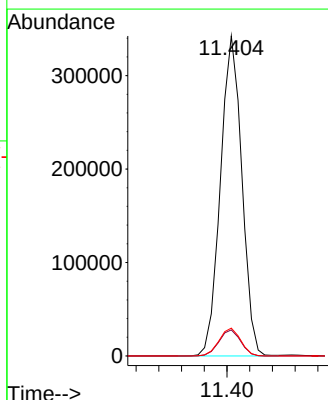
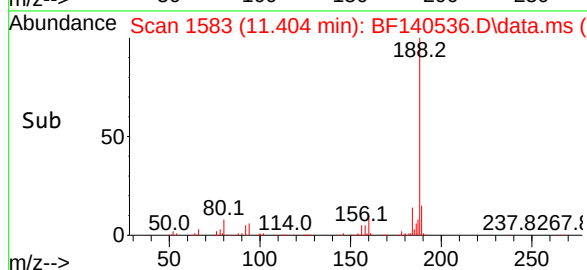
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

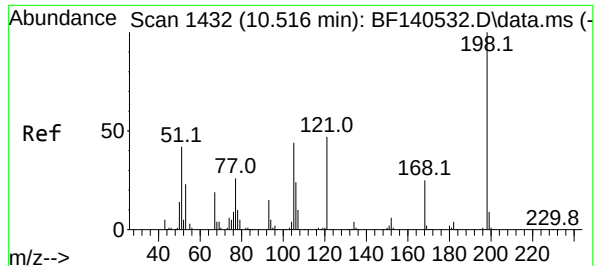


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



Tgt Ion:188 Resp: 448820
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.7 6.9 10.3





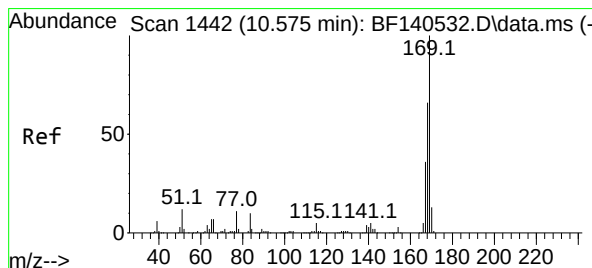
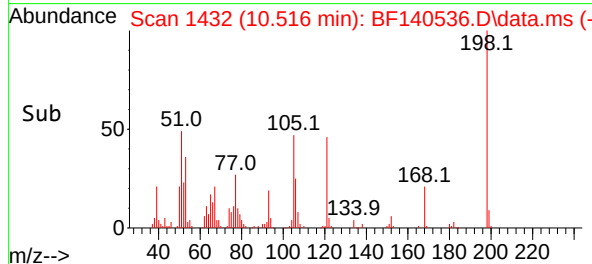
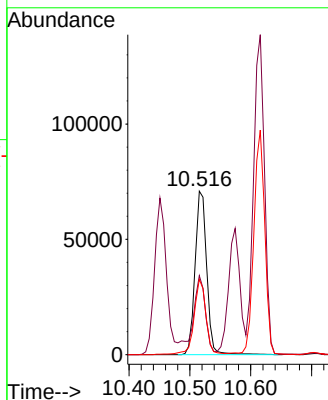
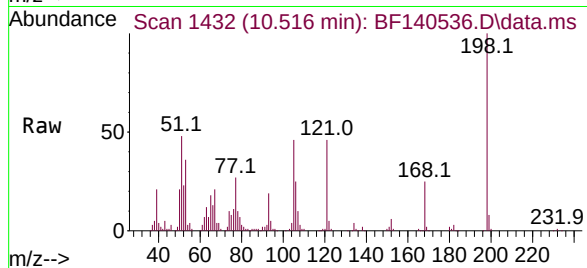
#65
4,6-Dinitro-2-methylphenol
Concen: 41.134 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Tgt Ion:198 Resp: 94340
Ion Ratio Lower Upper
198 100
51 48.3 29.4 69.4
105 46.2 25.4 65.4

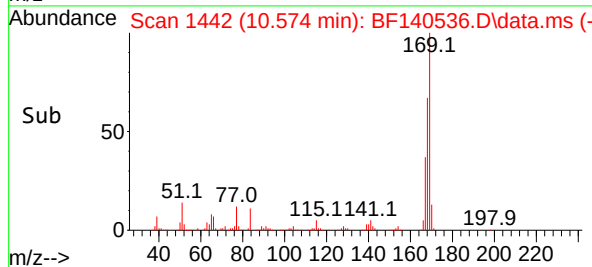
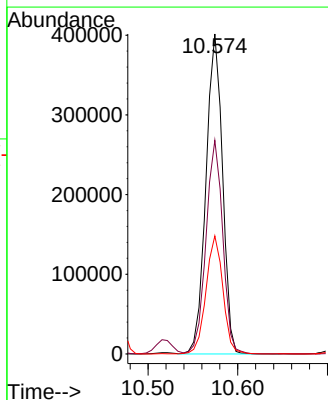
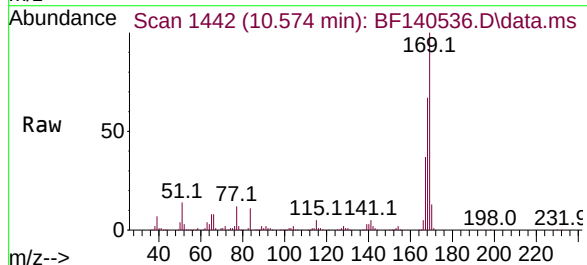
Manual Integrations
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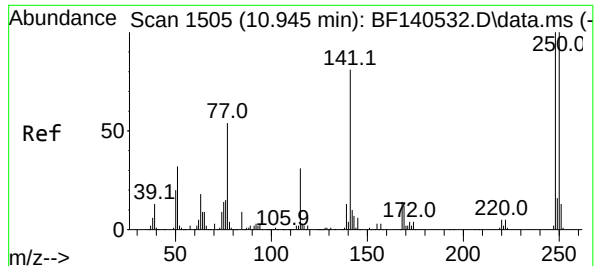
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#66
n-Nitrosodiphenylamine
Concen: 38.723 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:169 Resp: 513960
Ion Ratio Lower Upper
169 100
168 66.8 53.2 79.8
167 36.9 29.0 43.6





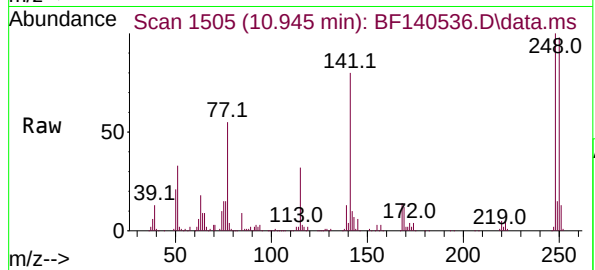
#67
4-Bromophenyl-phenylether
Concen: 38.977 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

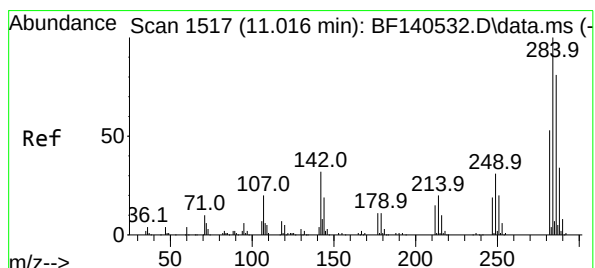
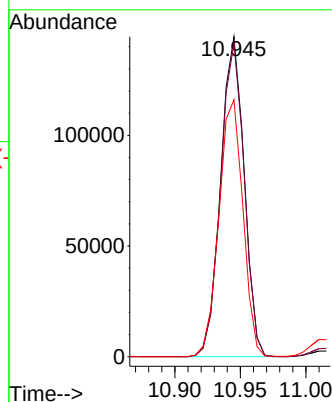
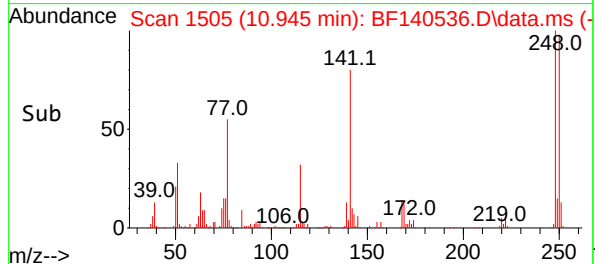


Tgt Ion:248 Resp: 180160
Ion Ratio Lower Upper
248 100
250 98.0 79.8 119.8
141 80.3 64.7 97.1

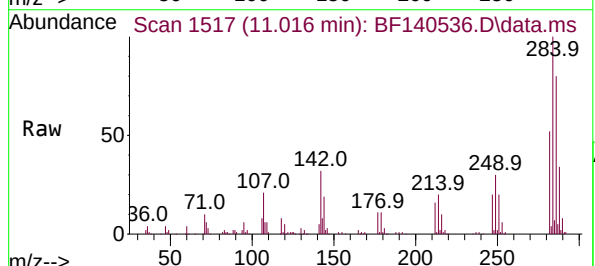
Manual Integrations

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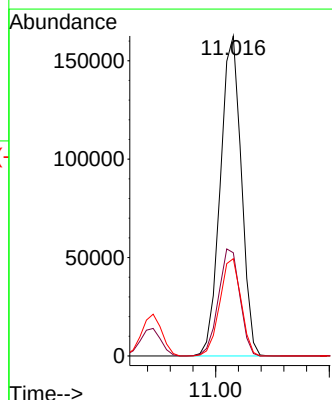
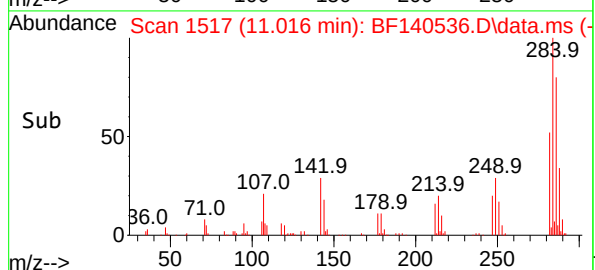
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

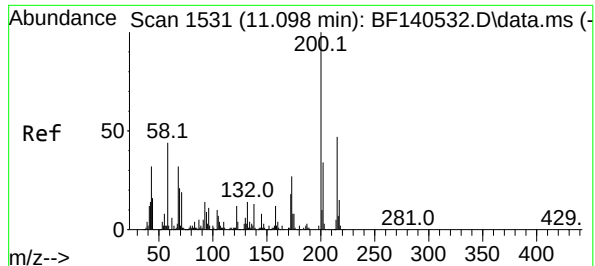


#68
Hexachlorobenzene
Concen: 38.974 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



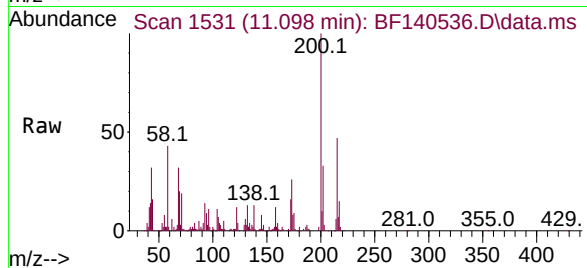
Tgt Ion:284 Resp: 208589
Ion Ratio Lower Upper
284 100
142 32.2 25.3 37.9
249 30.4 24.8 37.2





#69
Atrazine
Concen: 34.643 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

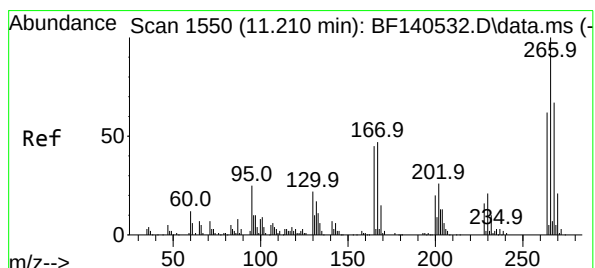
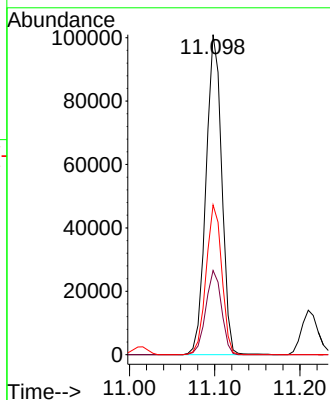
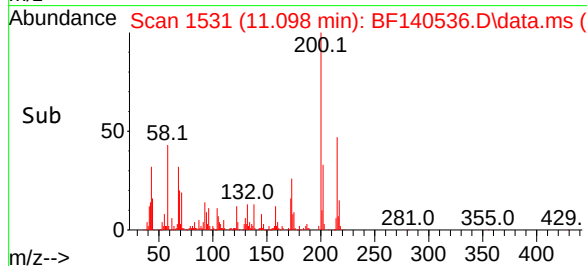
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:200 Resp: 12935
Ion Ratio Lower Upper
200 100
173 26.3 7.0 47.0
215 46.8 26.7 66.7

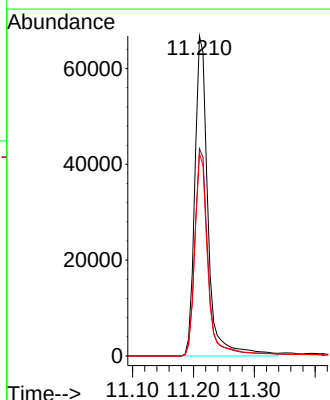
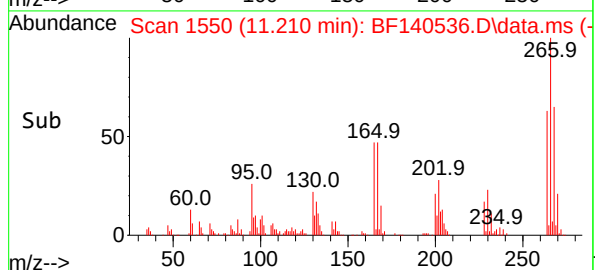
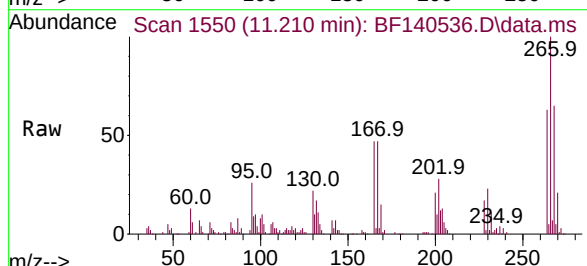
Manual Integrations
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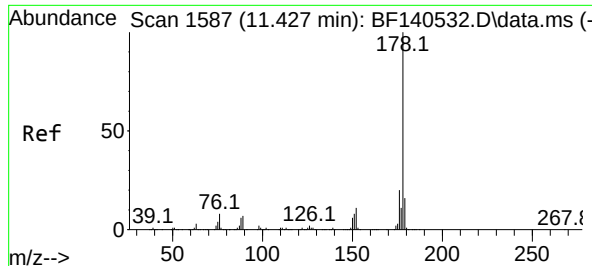
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#70
Pentachlorophenol
Concen: 42.779 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:266 Resp: 100767
Ion Ratio Lower Upper
266 100
268 64.8 53.7 80.5
264 63.3 49.8 74.8





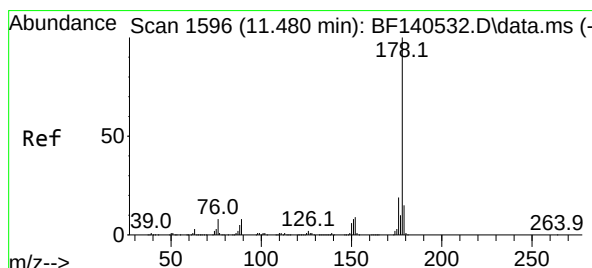
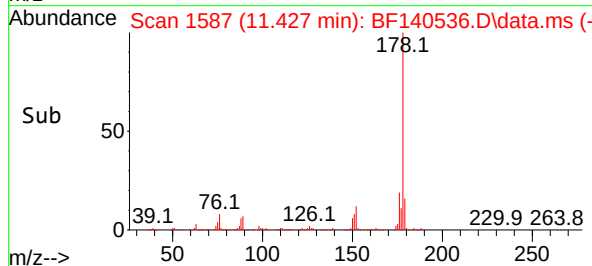
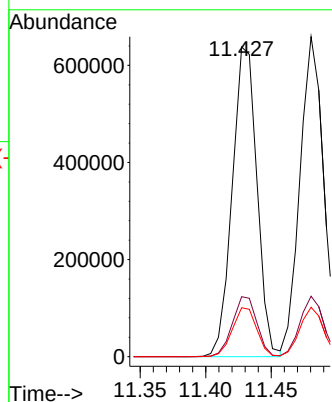
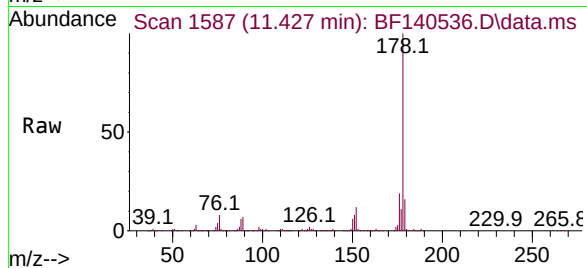
#71
Phenanthrene
Concen: 38.861 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Tgt Ion:178 Resp: 838392
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.8 12.4 18.6

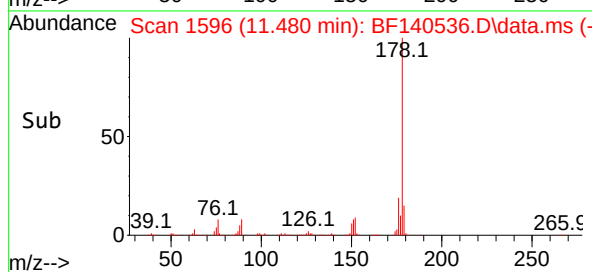
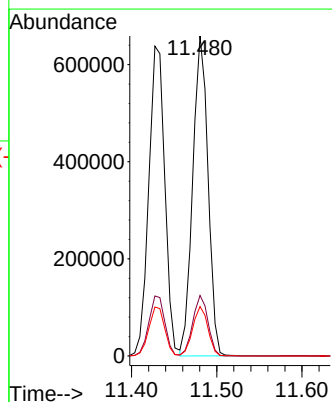
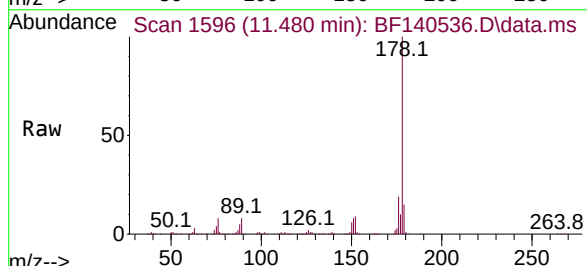
Manual Integrations
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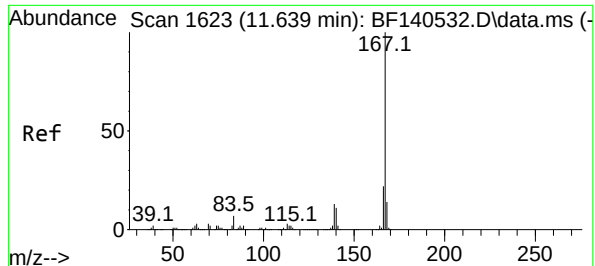
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#72
Anthracene
Concen: 38.829 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

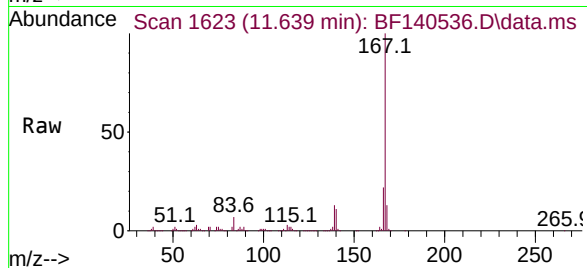
Tgt Ion:178 Resp: 819442
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.2 18.4





#73
Carbazole
Concen: 39.207 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

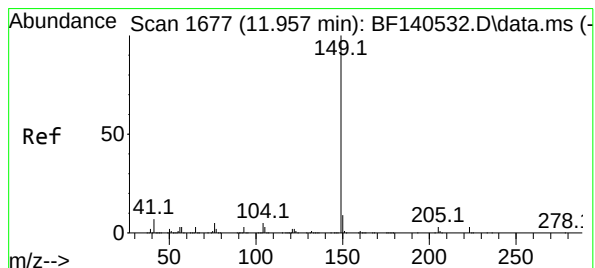
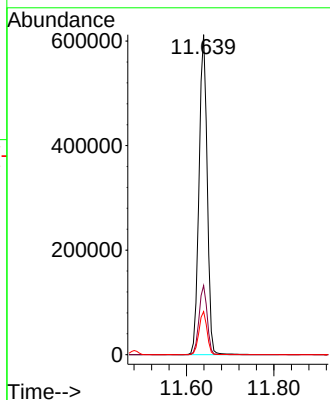
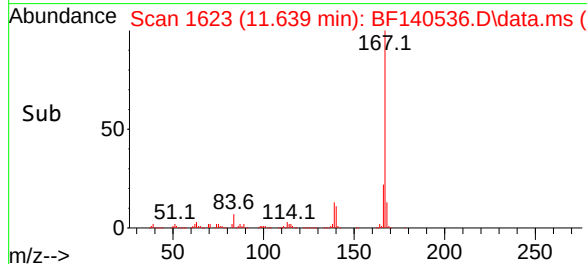
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



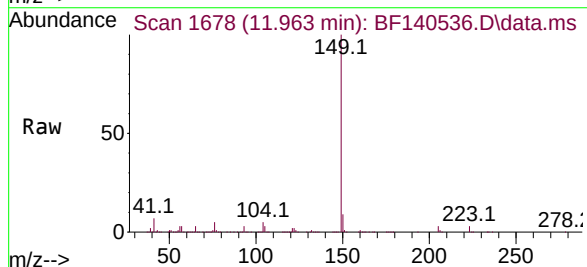
Tgt Ion:167 Resp: 795979
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 13.4 10.6 15.8

Manual Integrations
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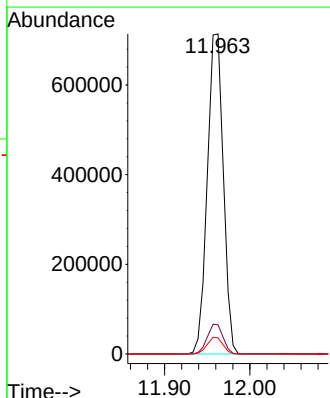
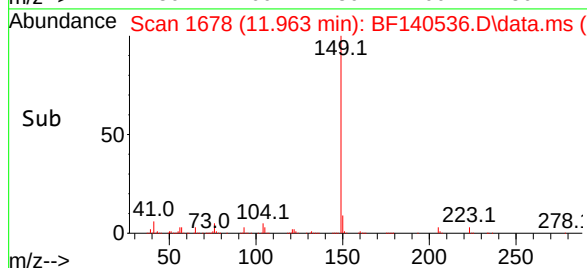
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

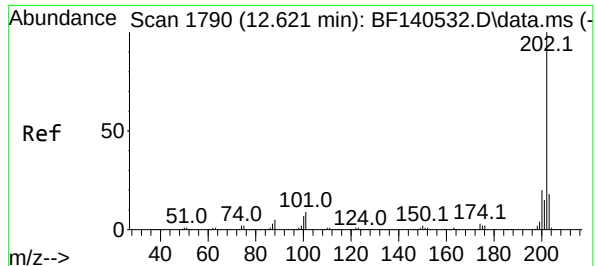


#74
Di-n-butylphthalate
Concen: 39.765 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



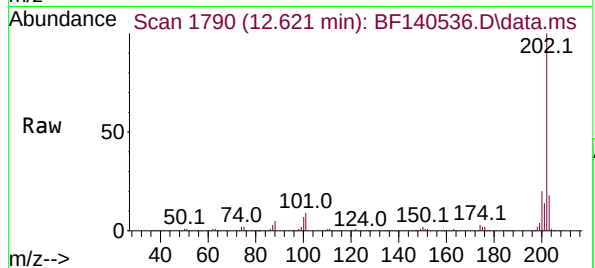
Tgt Ion:149 Resp: 932026
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 40.002 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

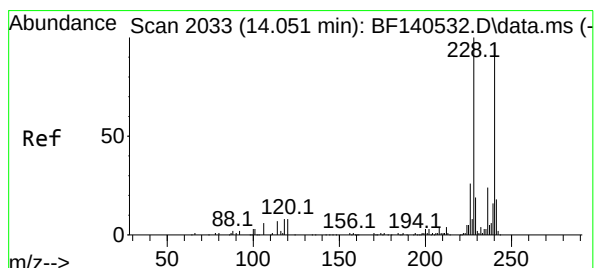
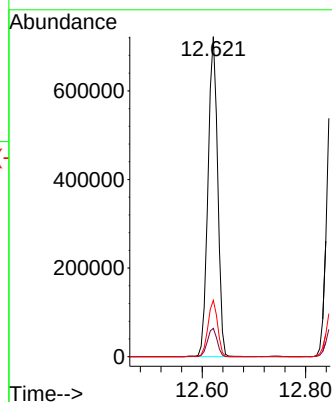
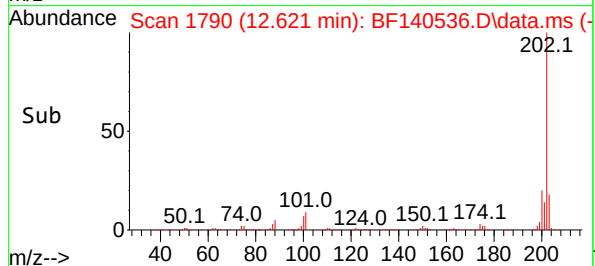
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:202 Resp: 937019
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.9
203 17.6 0.0 37.6

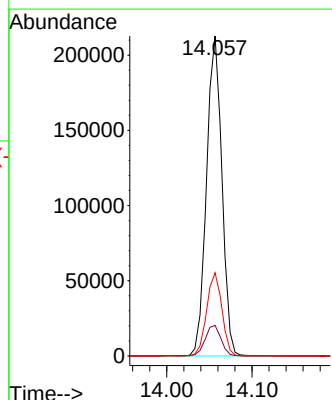
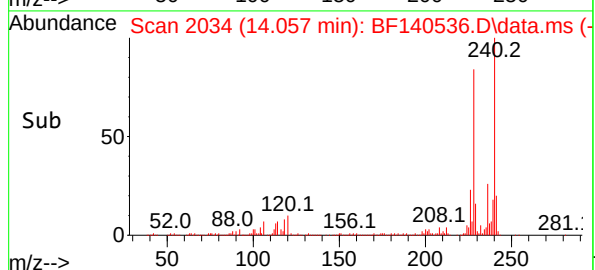
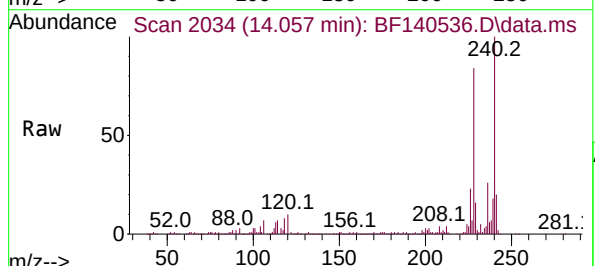
Manual Integrations
APPROVED

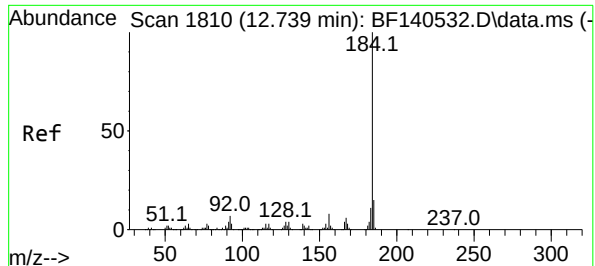
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

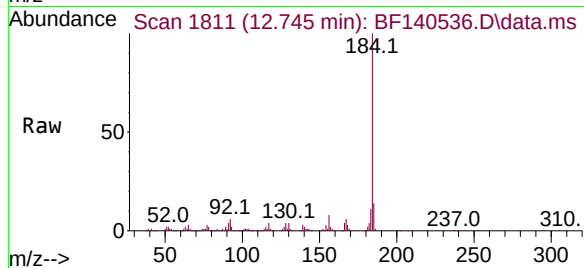
Tgt Ion:240 Resp: 266538
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.0 20.6 31.0





#77
Benzidine
Concen: 39.351 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

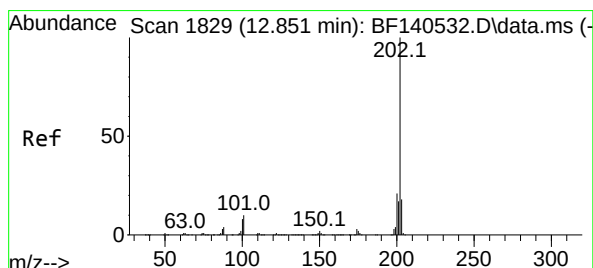
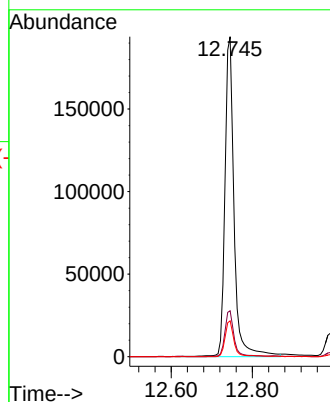
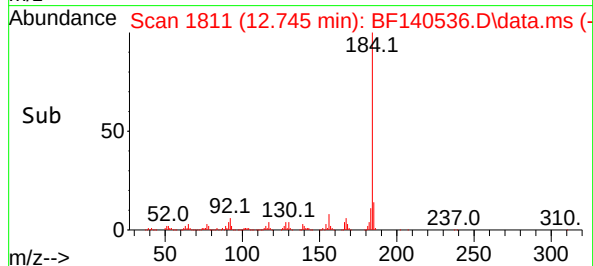
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:184 Resp: 304940
Ion Ratio Lower Upper
184 100
185 14.4 11.7 17.5
183 11.2 8.8 13.2

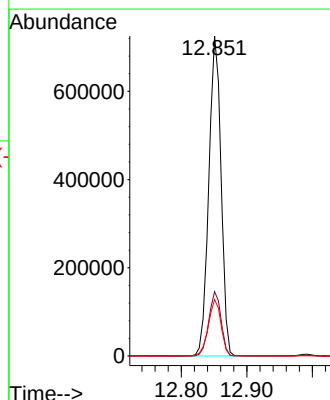
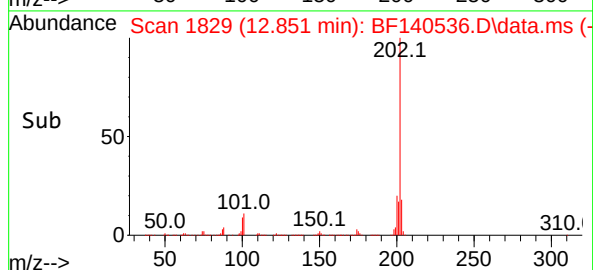
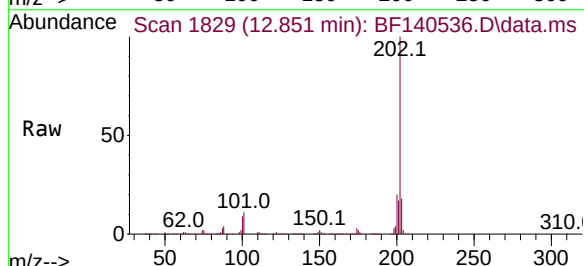
Manual Integrations
APPROVED

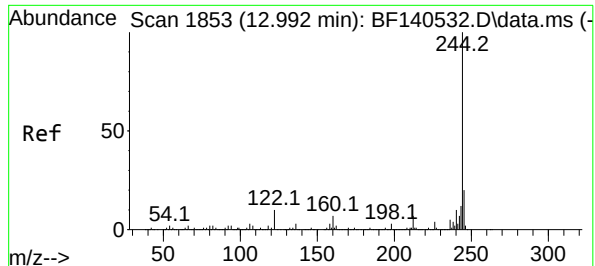
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#78
Pyrene
Concen: 38.219 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:202 Resp: 941890
Ion Ratio Lower Upper
202 100
200 20.1 16.5 24.7
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 75.460 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:244 Resp: 1291669

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

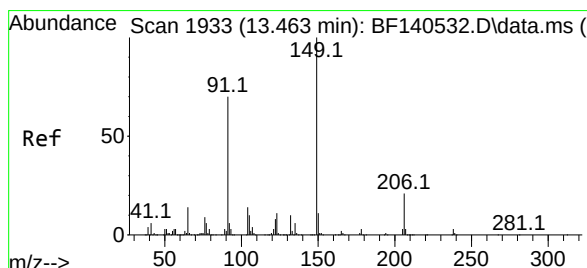
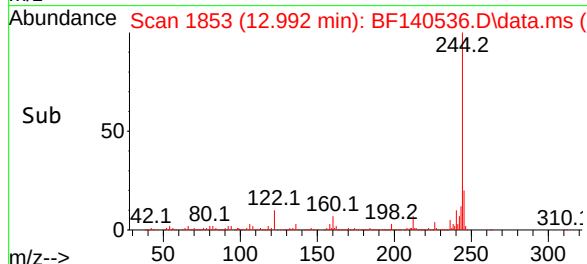
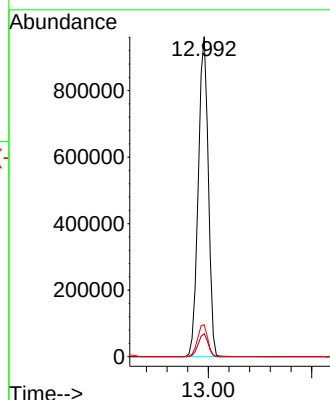
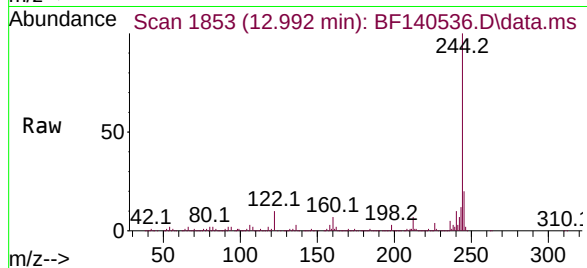
122 9.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#80

Butylbenzylphthalate

Concen: 40.542 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

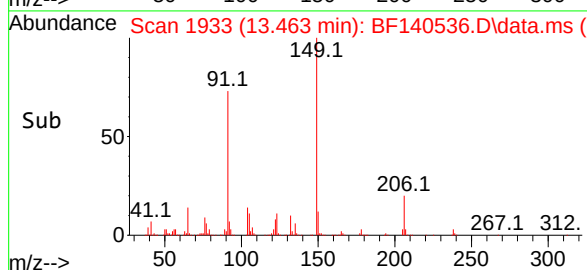
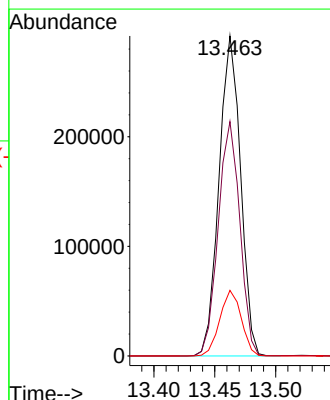
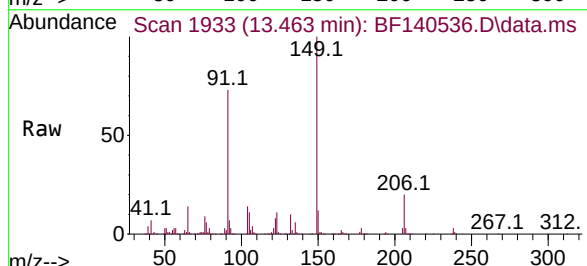
Tgt Ion:149 Resp: 359930

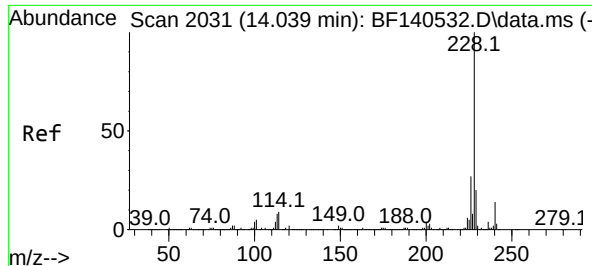
Ion Ratio Lower Upper

149 100

91 73.3 56.2 84.2

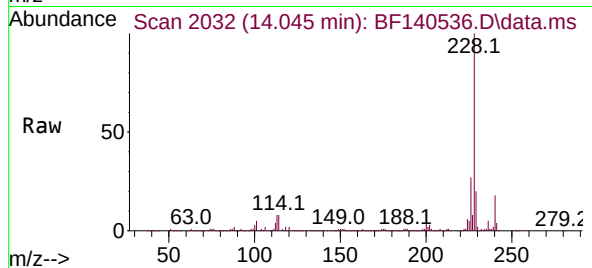
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 39.723 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

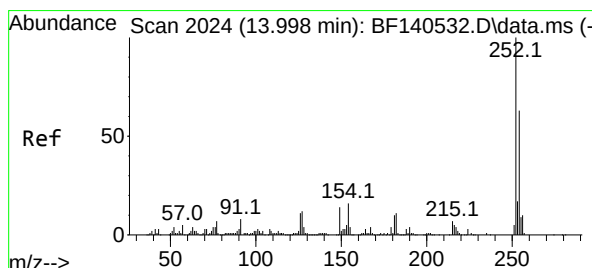
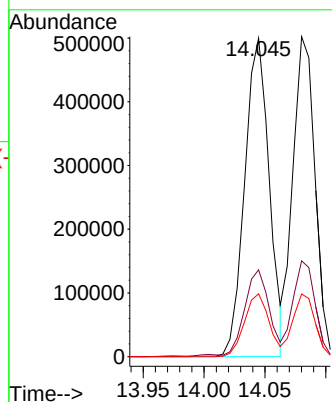
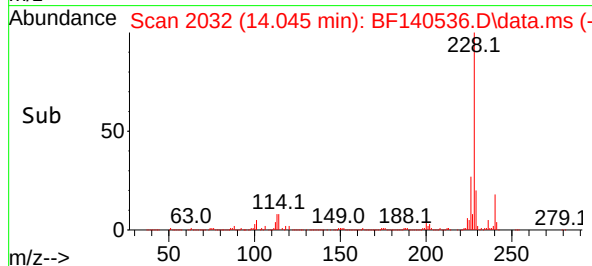
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:228 Resp: 700865
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.7 15.8 23.6

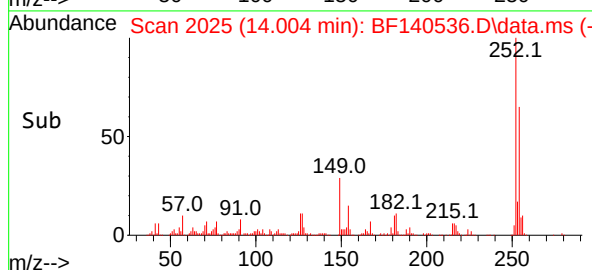
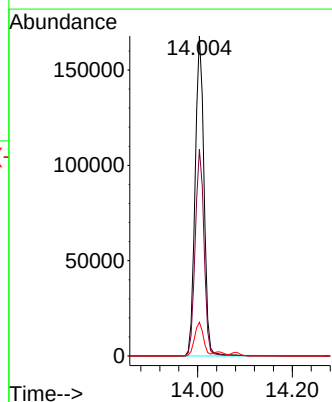
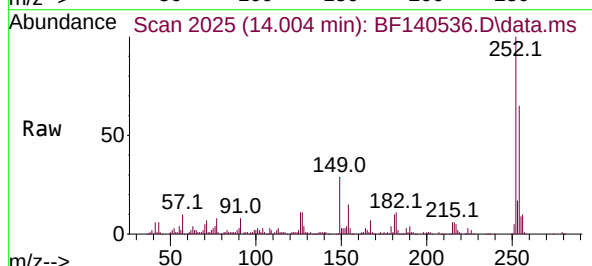
Manual Integrations
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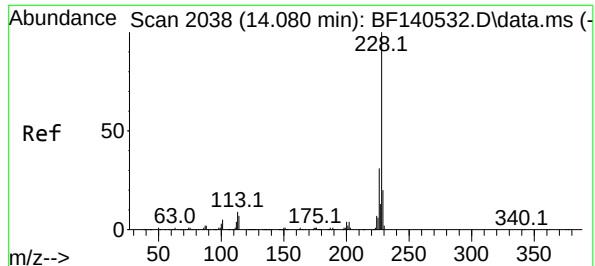
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 41.011 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:252 Resp: 217249
Ion Ratio Lower Upper
252 100
254 64.6 50.8 76.2
126 10.6 8.6 13.0





#83

Chrysene

Concen: 39.406 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:228 Resp: 635750

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

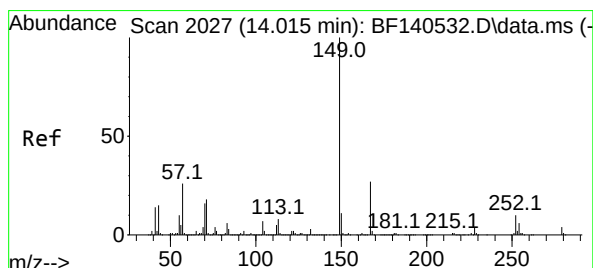
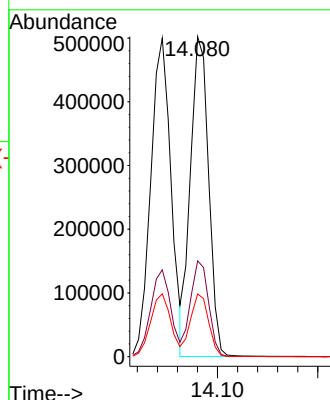
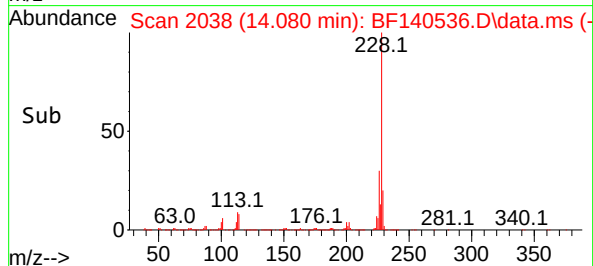
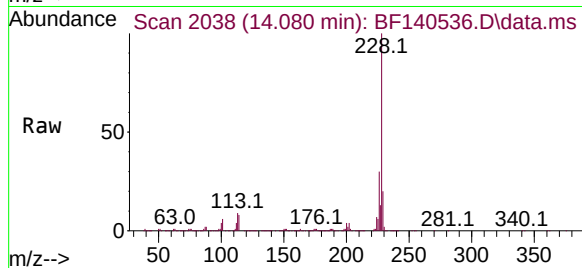
229 19.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.823 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

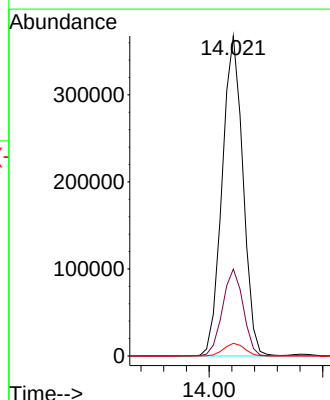
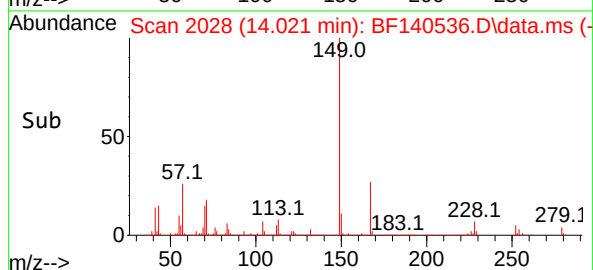
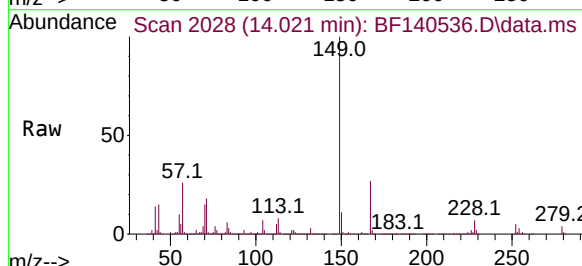
Tgt Ion:149 Resp: 468853

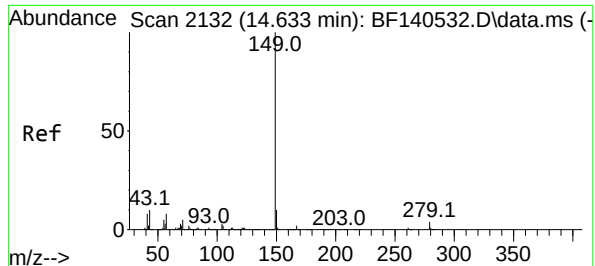
Ion Ratio Lower Upper

149 100

167 27.2 21.2 31.8

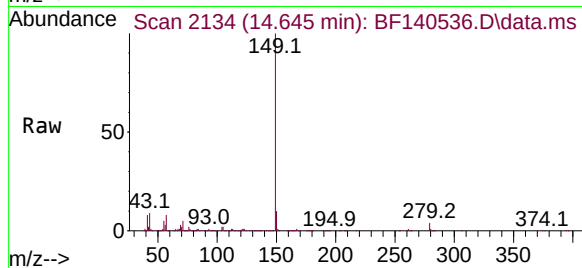
279 4.0 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 43.965 ng
RT: 14.645 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

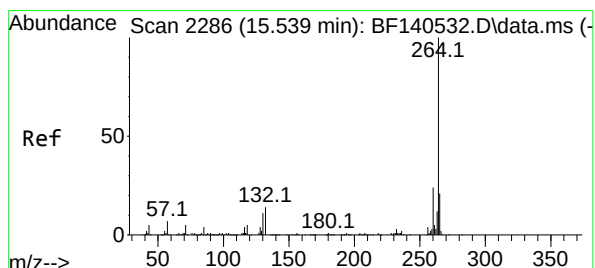
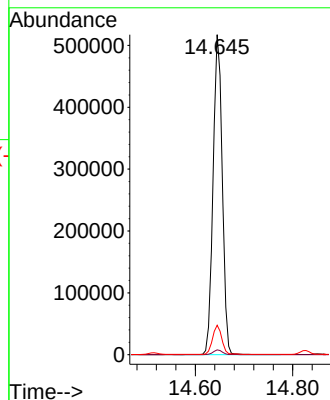
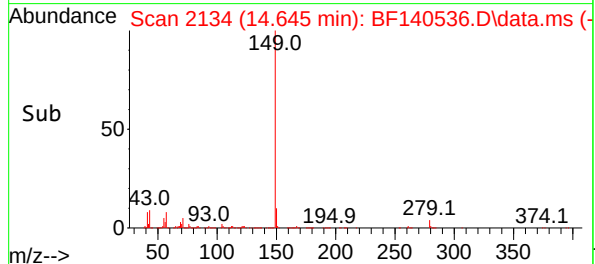
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:149 Resp: 67356
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.2 7.7 11.5

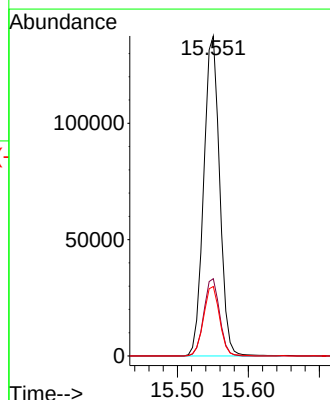
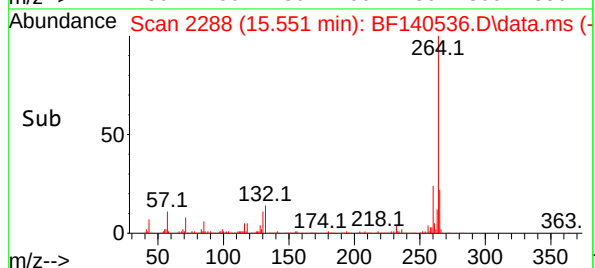
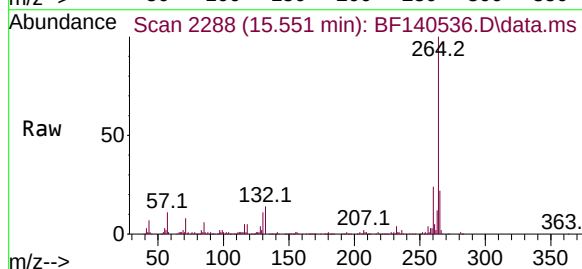
Manual Integrations
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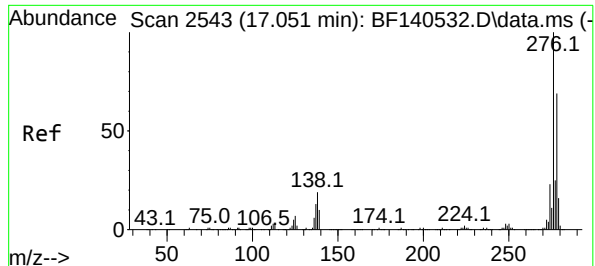
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2288
Delta R.T. 0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Tgt Ion:264 Resp: 215076
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 21.7 16.6 25.0





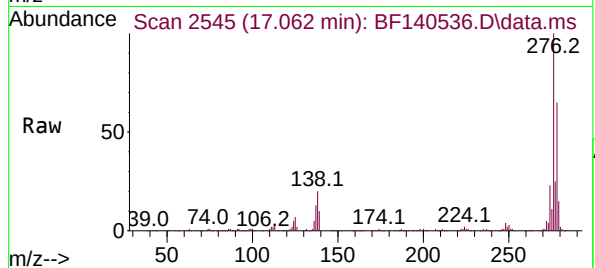
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.995 ng
RT: 17.062 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

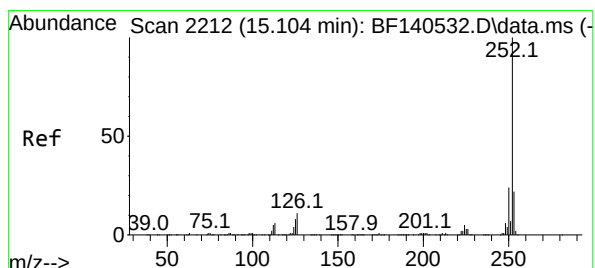
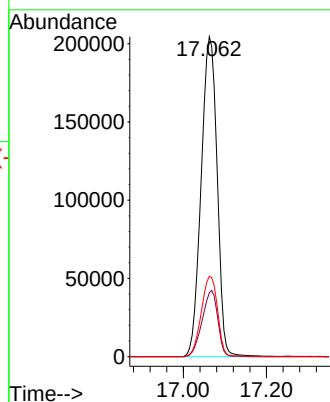
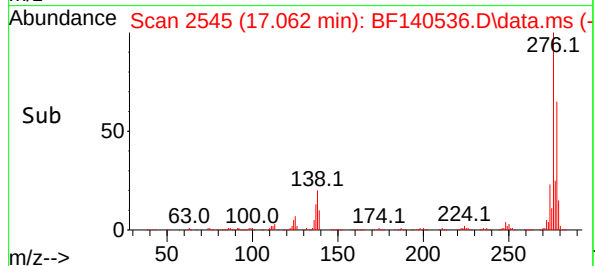


Tgt Ion:276 Resp: 54656
Ion Ratio Lower Upper
276 100
138 20.2 15.5 23.3
277 25.6 20.1 30.1

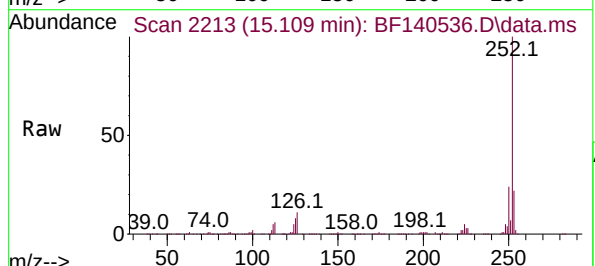
Manual Integrations

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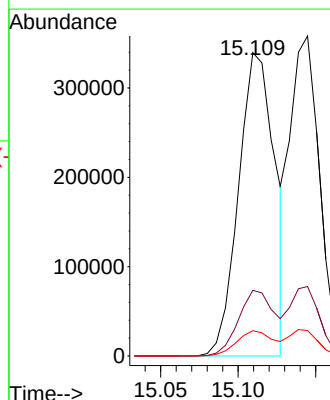
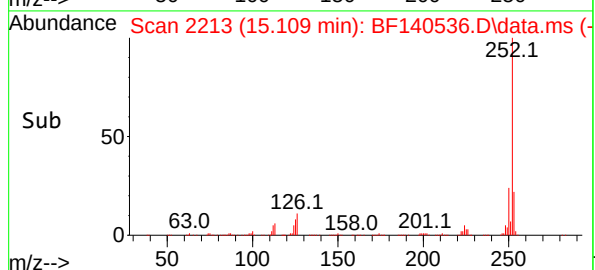
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

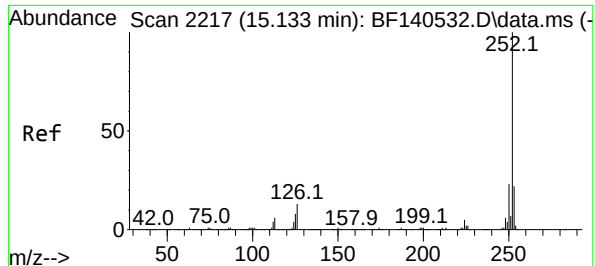


#88
Benzo(b)fluoranthene
Concen: 40.850 ng
RT: 15.109 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



Tgt Ion:252 Resp: 551853
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 40.110 ng

RT: 15.145 min Scan# 2219

Delta R.T. 0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Tgt Ion:252 Resp: 474170

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

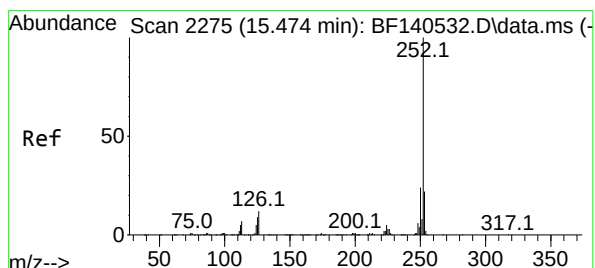
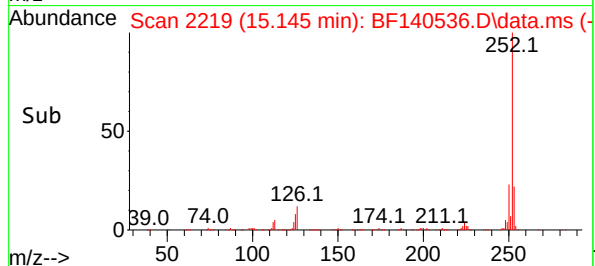
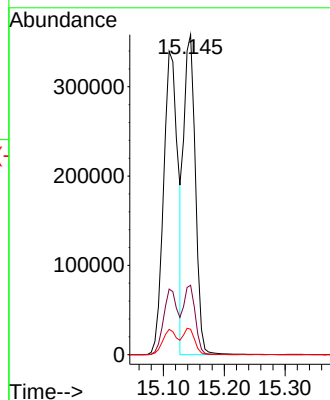
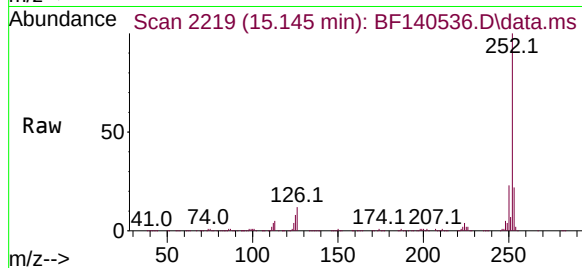
125 7.9 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 40.041 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

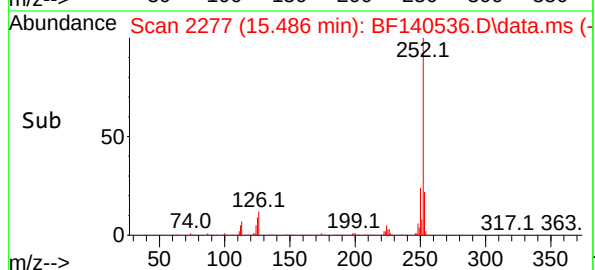
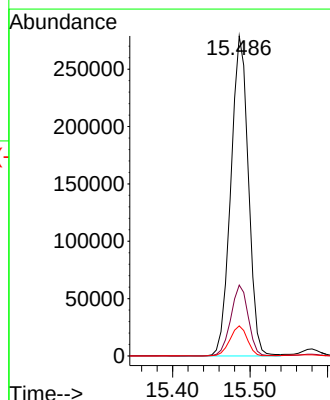
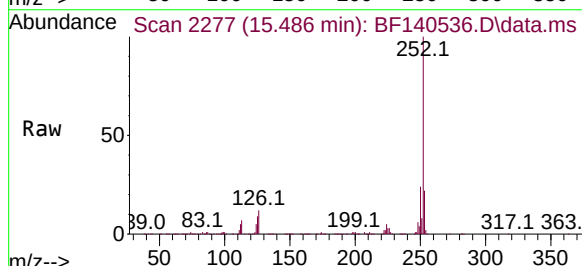
Tgt Ion:252 Resp: 439811

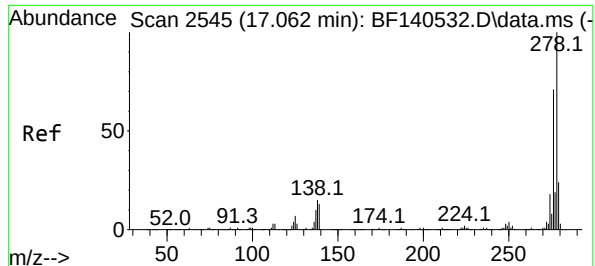
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

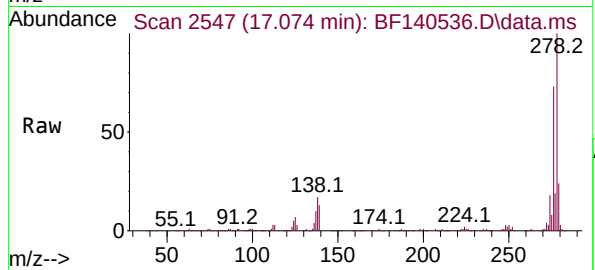
125 9.4 7.0 10.6





#91
Dibenzo(a,h)anthracene
Concen: 40.052 ng
RT: 17.074 min Scan# 2545
Delta R.T. 0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

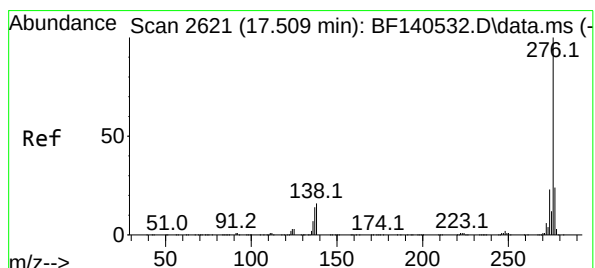
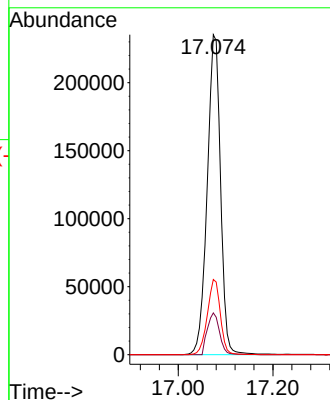
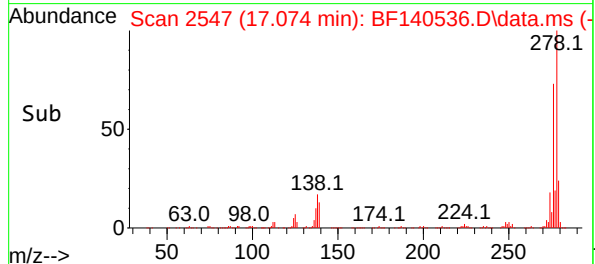
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



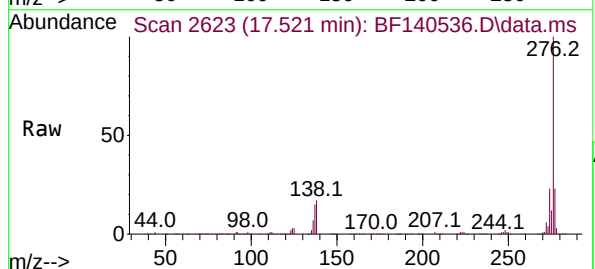
Tgt Ion:278 Resp: 459740
Ion Ratio Lower Upper
278 100
139 13.0 10.2 15.4
279 23.5 18.9 28.3

Manual Integrations
APPROVED

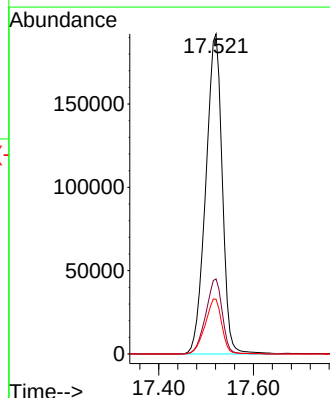
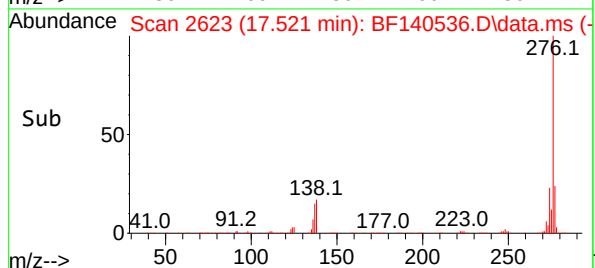
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#92
Benzo(g,h,i)perylene
Concen: 39.591 ng
RT: 17.521 min Scan# 2623
Delta R.T. 0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



Tgt Ion:276 Resp: 463747
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 17.1 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	99	0.00
2	1,4-Dioxane	0.493	0.481	2.4	98	-0.01
3	Pyridine	1.084	1.212	-11.8	101	-0.01
4	n-Nitrosodimethylamine	0.637	0.656	-3.0	101	-0.01
5 S	2-Fluorophenol	1.172	1.158	1.2	98	0.00
6	Aniline	1.091	1.283	-17.6	102	0.00
7 S	Phenol-d6	1.550	1.578	-1.8	98	0.00
8	2-Chlorophenol	1.261	1.267	-0.5	98	0.00
9	Benzaldehyde	0.820	0.758	7.6	102	0.00
10 C	Phenol	1.583	1.623	-2.5	97	0.00
11	bis(2-Chloroethyl)ether	1.211	1.205	0.5	96	0.00
12	1,3-Dichlorobenzene	1.417	1.408	0.6	100	0.00
13 C	1,4-Dichlorobenzene	1.435	1.423	0.8	99	0.00
14	1,2-Dichlorobenzene	1.344	1.324	1.5	97	0.00
15	Benzyl Alcohol	1.149	1.206	-5.0	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.473	-2.9	100	0.00
17	2-Methylphenol	1.009	1.050	-4.1	100	0.00
18	Hexachloroethane	0.536	0.537	-0.2	99	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.963	-5.1	101	0.00
20	3+4-Methylphenols	1.298	1.347	-3.8	99	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	Acetophenone	0.488	0.475	2.7	100	0.00
23 S	Nitrobenzene-d5	0.391	0.386	1.3	99	0.00
24	Nitrobenzene	0.404	0.395	2.2	99	0.00
25	Isophorone	0.652	0.658	-0.9	100	0.00
26 C	2-Nitrophenol	0.179	0.181	-1.1	101	0.00
27	2,4-Dimethylphenol	0.214	0.212	0.9	95	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.397	0.0	101	0.00
29 C	2,4-Dichlorophenol	0.284	0.284	0.0	102	0.00
30	1,2,4-Trichlorobenzene	0.324	0.315	2.8	101	0.00
31	Naphthalene	1.030	1.008	2.1	101	0.00
32	Benzoic acid	0.164	0.188	-14.6	107	0.00
33	4-Chloroaniline	0.308	0.336	-9.1	104	0.00
34 C	Hexachlorobutadiene	0.215	0.212	1.4	101	0.00
35	Caprolactam	0.088	0.089	-1.1	99	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.320	-0.6	99	0.00
37	2-Methylnaphthalene	0.654	0.654	0.0	102	0.00
38	1-Methylnaphthalene	0.641	0.636	0.8	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.568	3.1	103	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.110	-2.8	99	0.00
42 S	2,4,6-Tribromophenol	0.214	0.213	0.5	101	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.362	1.4	101	0.00
44	2,4,5-Trichlorophenol	0.399	0.402	-0.8	102	0.00
45 S	2-Fluorobiphenyl	1.342	1.282	4.5	101	0.00
46	1,1'-Biphenyl	1.493	1.447	3.1	102	0.00
47	2-Chloronaphthalene	1.131	1.109	1.9	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	0.363	0.364	-0.3	101	0.00
49	Acenaphthylene	1.710	1.660	2.9	102	0.00
50	Dimethylphthalate	1.317	1.304	1.0	103	0.00
51	2,6-Dinitrotoluene	0.299	0.294	1.7	100	0.00
52 C	Acenaphthene	1.086	1.048	3.5	101	0.00
53	3-Nitroaniline	0.292	0.299	-2.4	102	0.00
54 P	2,4-Dinitrophenol	0.122	0.122	0.0	89	0.00
55	Dibenzofuran	1.657	1.601	3.4	101	0.00
56 P	4-Nitrophenol	0.199	0.211	-6.0	104	0.00
57	2,4-Dinitrotoluene	0.397	0.407	-2.5	103	0.00
58	Fluorene	1.330	1.300	2.3	103	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.320	-4.6	105	0.00
60	Diethylphthalate	1.338	1.307	2.3	102	0.00
61	4-Chlorophenyl-phenylether	0.653	0.645	1.2	103	0.00
62	4-Nitroaniline	0.306	0.309	-1.0	101	0.00
63	Azobenzene	1.267	1.248	1.5	103	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.105	-2.9	98	0.00
66 c	n-Nitrosodiphenylamine	0.591	0.573	3.0	102	0.00
67	4-Bromophenyl-phenylether	0.206	0.201	2.4	103	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	102	0.00
69	Atrazine	0.166	0.144	13.3	106	0.00
70 C	Pentachlorophenol	0.105	0.112	-6.7	99	0.00
71	Phenanthrene	0.961	0.934	2.8	101	0.00
72	Anthracene	0.940	0.913	2.9	101	0.00
73	Carbazole	0.905	0.887	2.0	102	0.00
74	Di-n-butylphthalate	1.044	1.038	0.6	104	0.00
75 C	Fluoranthene	1.044	1.044	0.0	106	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77	Benzydine	0.581	0.572	1.5	111	0.00
78	Pyrene	1.849	1.767	4.4	106	0.00
79 S	Terphenyl-d14	1.284	1.212	5.6	105	0.00
80	Butylbenzylphthalate	0.666	0.675	-1.4	111	0.00
81	Benzo(a)anthracene	1.324	1.315	0.7	114	0.00
82	3,3'-Dichlorobenzidine	0.397	0.408	-2.8	110	0.00
83	Chrysene	1.211	1.193	1.5	111	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.880	-4.6	118	0.00
85 c	Di-n-octyl phthalate	1.150	1.264	-9.9	124	0.01
86 I	Perylene-d12	1.000	1.000	0.0	102	0.01
87	Indeno(1,2,3-cd)pyrene	1.303	1.271	2.5	99	0.01
88	Benzo(b)fluoranthene	1.256	1.283	-2.1	110	0.00
89	Benzo(k)fluoranthene	1.099	1.102	-0.3	102	0.01
90 C	Benzo(a)pyrene	1.021	1.022	-0.1	103	0.01
91	Dibenzo(a,h)anthracene	1.067	1.069	-0.2	102	0.01
92	Benzo(g,h,i)perylene	1.089	1.078	1.0	101	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140536.D
Acq On : 21 Nov 2024 15:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Quant Time: Nov 21 16:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
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Instrument :
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Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	99	0.00
2	1,4-Dioxane	40.000	39.036	2.4	98	-0.01
3	Pyridine	40.000	44.701	-11.8	101	-0.01
4	n-Nitrosodimethylamine	40.000	41.184	-3.0	101	-0.01
5 S	2-Fluorophenol	80.000	79.009	1.2	98	0.00
6	Aniline	40.000	47.067	-17.7	102	0.00
7 S	Phenol-d6	80.000	81.459	-1.8	98	0.00
8	2-Chlorophenol	40.000	40.191	-0.5	98	0.00
9	Benzaldehyde	40.000	36.939	7.7	102	0.00
10 C	Phenol	40.000	41.030	-2.6	97	0.00
11	bis(2-Chloroethyl)ether	40.000	39.796	0.5	96	0.00
12	1,3-Dichlorobenzene	40.000	39.732	0.7	100	0.00
13 C	1,4-Dichlorobenzene	40.000	39.668	0.8	99	0.00
14	1,2-Dichlorobenzene	40.000	39.406	1.5	97	0.00
15	Benzyl Alcohol	40.000	41.993	-5.0	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.183	-3.0	100	0.00
17	2-Methylphenol	40.000	41.606	-4.0	100	0.00
18	Hexachloroethane	40.000	40.108	-0.3	99	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	42.038	-5.1	101	0.00
20	3+4-Methylphenols	40.000	41.536	-3.8	99	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22	Acetophenone	40.000	38.963	2.6	100	0.00
23 S	Nitrobenzene-d5	80.000	78.907	1.4	99	0.00
24	Nitrobenzene	40.000	39.127	2.2	99	0.00
25	Isophorone	40.000	40.332	-0.8	100	0.00
26 C	2-Nitrophenol	40.000	40.372	-0.9	101	0.00
27	2,4-Dimethylphenol	40.000	39.568	1.1	95	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.938	0.2	101	0.00
29 C	2,4-Dichlorophenol	40.000	39.952	0.1	102	0.00
30	1,2,4-Trichlorobenzene	40.000	38.901	2.7	101	0.00
31	Naphthalene	40.000	39.152	2.1	101	0.00
32	Benzoic acid	40.000	41.429	-3.6	107	0.00
33	4-Chloroaniline	40.000	43.551	-8.9	104	0.00
34 C	Hexachlorobutadiene	40.000	39.406	1.5	101	0.00
35	Caprolactam	40.000	40.381	-1.0	99	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.203	-0.5	99	0.00
37	2-Methylnaphthalene	40.000	39.987	0.0	102	0.00
38	1-Methylnaphthalene	40.000	39.688	0.8	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.824	2.9	103	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.711	5.7	99	0.00
42 S	2,4,6-Tribromophenol	80.000	79.677	0.4	101	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.390	1.5	101	0.00
44	2,4,5-Trichlorophenol	40.000	40.302	-0.8	102	0.00
45 S	2-Fluorobiphenyl	80.000	76.390	4.5	101	0.00
46	1,1'-Biphenyl	40.000	38.769	3.1	102	0.00
47	2-Chloronaphthalene	40.000	39.197	2.0	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	40.037	-0.1	101	0.00
49	Acenaphthylene	40.000	38.850	2.9	102	0.00
50	Dimethylphthalate	40.000	39.591	1.0	103	0.00
51	2,6-Dinitrotoluene	40.000	39.356	1.6	100	0.00
52 C	Acenaphthene	40.000	38.578	3.6	101	0.00
53	3-Nitroaniline	40.000	40.901	-2.3	102	0.00
54 P	2,4-Dinitrophenol	40.000	36.341	9.1	89	0.00
55	Dibenzofuran	40.000	38.644	3.4	101	0.00
56 P	4-Nitrophenol	40.000	42.263	-5.7	104	0.00
57	2,4-Dinitrotoluene	40.000	41.025	-2.6	103	0.00
58	Fluorene	40.000	39.115	2.2	103	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.797	-4.5	105	0.00
60	Diethylphthalate	40.000	39.078	2.3	102	0.00
61	4-Chlorophenyl-phenylether	40.000	39.536	1.2	103	0.00
62	4-Nitroaniline	40.000	40.369	-0.9	101	0.00
63	Azobenzene	40.000	39.396	1.5	103	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.134	-2.8	98	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.723	3.2	102	0.00
67	4-Bromophenyl-phenylether	40.000	38.977	2.6	103	0.00
68	Hexachlorobenzene	40.000	38.974	2.6	102	0.00
69	Atrazine	40.000	34.643	13.4	106	0.00
70 C	Pentachlorophenol	40.000	42.779	-6.9	99	0.00
71	Phenanthrene	40.000	38.861	2.8	101	0.00
72	Anthracene	40.000	38.829	2.9	101	0.00
73	Carbazole	40.000	39.207	2.0	102	0.00
74	Di-n-butylphthalate	40.000	39.765	0.6	104	0.00
75 C	Fluoranthene	40.000	40.002	-0.0	106	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77	Benzydine	40.000	39.351	1.6	111	0.00
78	Pyrene	40.000	38.219	4.5	106	0.00
79 S	Terphenyl-d14	80.000	75.460	5.7	105	0.00
80	Butylbenzylphthalate	40.000	40.542	-1.4	111	0.00
81	Benzo(a)anthracene	40.000	39.723	0.7	114	0.00
82	3,3'-Dichlorobenzidine	40.000	41.011	-2.5	110	0.00
83	Chrysene	40.000	39.406	1.5	111	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.823	-4.6	118	0.00
85 c	Di-n-octyl phthalate	40.000	43.965	-9.9	124	0.01
86 I	Perylene-d12	20.000	20.000	0.0	102	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.995	2.5	99	0.01
88	Benzo(b)fluoranthene	40.000	40.850	-2.1	110	0.00
89	Benzo(k)fluoranthene	40.000	40.110	-0.3	102	0.01
90 C	Benzo(a)pyrene	40.000	40.041	-0.1	103	0.01
91	Dibenzo(a,h)anthracene	40.000	40.052	-0.1	102	0.01
92	Benzo(g,h,i)perylene	40.000	39.591	1.0	101	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140536.D
Acq On : 21 Nov 2024 15:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Quant Time: Nov 21 16:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112

Instrument ID: BNA_F Calibration Date/Time: 12/06/2024 12:08

Lab File ID: BF140760.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.219		4.0	
Phenol-d6	1.550	1.600		3.2	
Nitrobenzene-d5	0.391	0.403		3.1	
Naphthalene	1.030	1.097		6.5	
2-Fluorobiphenyl	1.342	1.395		3.9	
Acenaphthylene	1.710	1.791		4.7	
Acenaphthene	1.086	1.128		3.9	20.0
Fluorene	1.330	1.400		5.3	
2,4,6-Tribromophenol	0.214	0.232		8.4	
Phenanthrene	0.961	1.011		5.2	
Anthracene	0.940	1.001		6.5	
Fluoranthene	1.044	1.149		10.1	20.0
Pyrene	1.849	1.921		3.9	
Terphenyl-d14	1.284	1.356		5.6	
Benzo (a) anthracene	1.324	1.390		5.0	
Chrysene	1.211	1.297		7.1	
Benzo (b) fluoranthene	1.256	1.335		6.3	
Benzo (k) fluoranthene	1.099	1.193		8.6	
Benzo (a) pyrene	1.021	1.094		7.2	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.417		8.7	
Dibenzo (a,h) anthracene	1.067	1.180		10.6	
Benzo (g,h,i) perylene	1.089	1.194		9.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140760.D
 Acq On : 06 Dec 2024 12:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 11:51:47 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	95022	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	350541	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	200131	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	378576	20.000	ng	0.00
76) Chrysene-d12	14.057	240	226669	20.000	ng	0.00
86) Perylene-d12	15.557	264	194773	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	463145	83.162	ng	0.00
7) Phenol-d6	6.522	99	608048	82.586	ng	0.00
23) Nitrobenzene-d5	7.439	82	565572	82.527	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	185527	86.678	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1116690	83.136	ng	0.00
79) Terphenyl-d14	12.992	244	1229771	84.481	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	93419	39.896	ng	97
3) Pyridine	3.410	79	213359	41.413	ng	98
4) n-Nitrosodimethylamine	3.375	42	114897	37.945	ng	92
6) Aniline	6.540	93	218389	42.142	ng	# 65
8) 2-Chlorophenol	6.669	128	252651	42.168	ng	95
9) Benzaldehyde	6.428	77	132603	34.021	ng	99
10) Phenol	6.534	94	312090	41.507	ng	100
11) bis(2-Chloroethyl)ether	6.610	93	247211	42.965	ng	98
12) 1,3-Dichlorobenzene	6.816	146	282952	42.028	ng	98
13) 1,4-Dichlorobenzene	6.892	146	287227	42.135	ng	99
14) 1,2-Dichlorobenzene	7.045	146	270520	42.351	ng	100
15) Benzyl Alcohol	7.022	79	219297	40.164	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	278783	41.013	ng	65
17) 2-Methylphenol	7.139	107	199403	41.575	ng	96
18) Hexachloroethane	7.381	117	106056	41.656	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	181231	41.650	ng	96
20) 3+4-Methylphenols	7.292	107	264848	42.961	ng	# 87
22) Acetophenone	7.287	105	363650	42.552	ng	95
24) Nitrobenzene	7.463	77	292812	41.340	ng	98
25) Isophorone	7.698	82	482161	42.182	ng	99
26) 2-Nitrophenol	7.775	139	137770	43.892	ng	96
27) 2,4-Dimethylphenol	7.816	122	168427m	44.847	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	302116	43.386	ng	99
29) 2,4-Dichlorophenol	8.034	162	217386	43.683	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	244202	42.979	ng	99
31) Naphthalene	8.175	128	768801	42.579	ng	99
32) Benzoic acid	7.969	122	142696	44.312	ng	99
33) 4-Chloroaniline	8.239	127	240385	44.466	ng	98
34) Hexachlorobutadiene	8.286	225	162294	43.124	ng	99
35) Caprolactam	8.610	113	65437m	42.490	ng	
36) 4-Chloro-3-methylphenol	8.722	107	238533	42.811	ng	98
37) 2-Methylnaphthalene	8.869	142	498281	43.448	ng	100
38) 1-Methylnaphthalene	8.969	142	486995	43.322	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	249157	42.527	ng	99
41) Hexachlorocyclopentadiene	9.016	237	50634	42.236	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	155875	42.399	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140760.D
 Acq On : 06 Dec 2024 12:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 11:51:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	168238	42.166	ng	97
46) 1,1'-Biphenyl	9.333	154	629274	42.115	ng	100
47) 2-Chloronaphthalene	9.357	162	477280	42.156	ng	99
48) 2-Nitroaniline	9.463	65	145911	40.151	ng	94
49) Acenaphthylene	9.775	152	717035	41.916	ng	100
50) Dimethylphthalate	9.633	163	563665	42.765	ng	99
51) 2,6-Dinitrotoluene	9.704	165	127633	42.697	ng	94
52) Acenaphthene	9.945	154	451633	41.551	ng	99
53) 3-Nitroaniline	9.880	138	123808	42.347	ng	94
54) 2,4-Dinitrophenol	9.992	184	74516	51.248	ng	96
55) Dibenzofuran	10.122	168	679609	40.992	ng	99
56) 4-Nitrophenol	10.063	139	100350	50.328	ng	90
57) 2,4-Dinitrotoluene	10.110	165	171137	43.077	ng	95
58) Fluorene	10.463	166	560503	42.119	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	142948	46.618	ng	91
60) Diethylphthalate	10.333	149	580417	43.342	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	287968	44.094	ng	97
62) 4-Nitroaniline	10.498	138	127283	41.509	ng	93
63) Azobenzene	10.610	77	535941	42.261	ng	99
65) 4,6-Dinitro-2-methylph...	10.527	198	94268	48.729	ng	94
66) n-Nitrosodiphenylamine	10.575	169	471041	42.074	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	173133	44.407	ng	98
68) Hexachlorobenzene	11.016	284	192983	42.749	ng	99
69) Atrazine	11.098	200	107009	33.976	ng	99
70) Pentachlorophenol	11.216	266	81485	41.011	ng	98
71) Phenanthrene	11.427	178	765771	42.080	ng	99
72) Anthracene	11.480	178	758054	42.585	ng	100
73) Carbazole	11.639	167	733087	42.809	ng	100
74) Di-n-butylphthalate	11.957	149	914738	46.268	ng	100
75) Fluoranthene	12.621	202	869670	44.016	ng	100
77) Benzidine	12.751	184	251775	38.204	ng	99
78) Pyrene	12.851	202	870836	41.551	ng	100
80) Butylbenzylphthalate	13.457	149	335823	44.480	ng	97
81) Benzo(a)anthracene	14.045	228	630269	42.005	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	193591	42.973	ng	98
83) Chrysene	14.086	228	587775	42.841	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	408858	42.886	ng	99
85) Di-n-octyl phthalate	14.639	149	573400	44.010	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	551817	43.474	ng	99
88) Benzo(b)fluoranthene	15.121	252	520105	42.513	ng	100
89) Benzo(k)fluoranthene	15.151	252	464543	43.392	ng	100
90) Benzo(a)pyrene	15.498	252	426071	42.833	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	459567	44.209	ng	99
92) Benzo(g,h,i)perylene	17.545	276	465177	43.853	ng	99

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

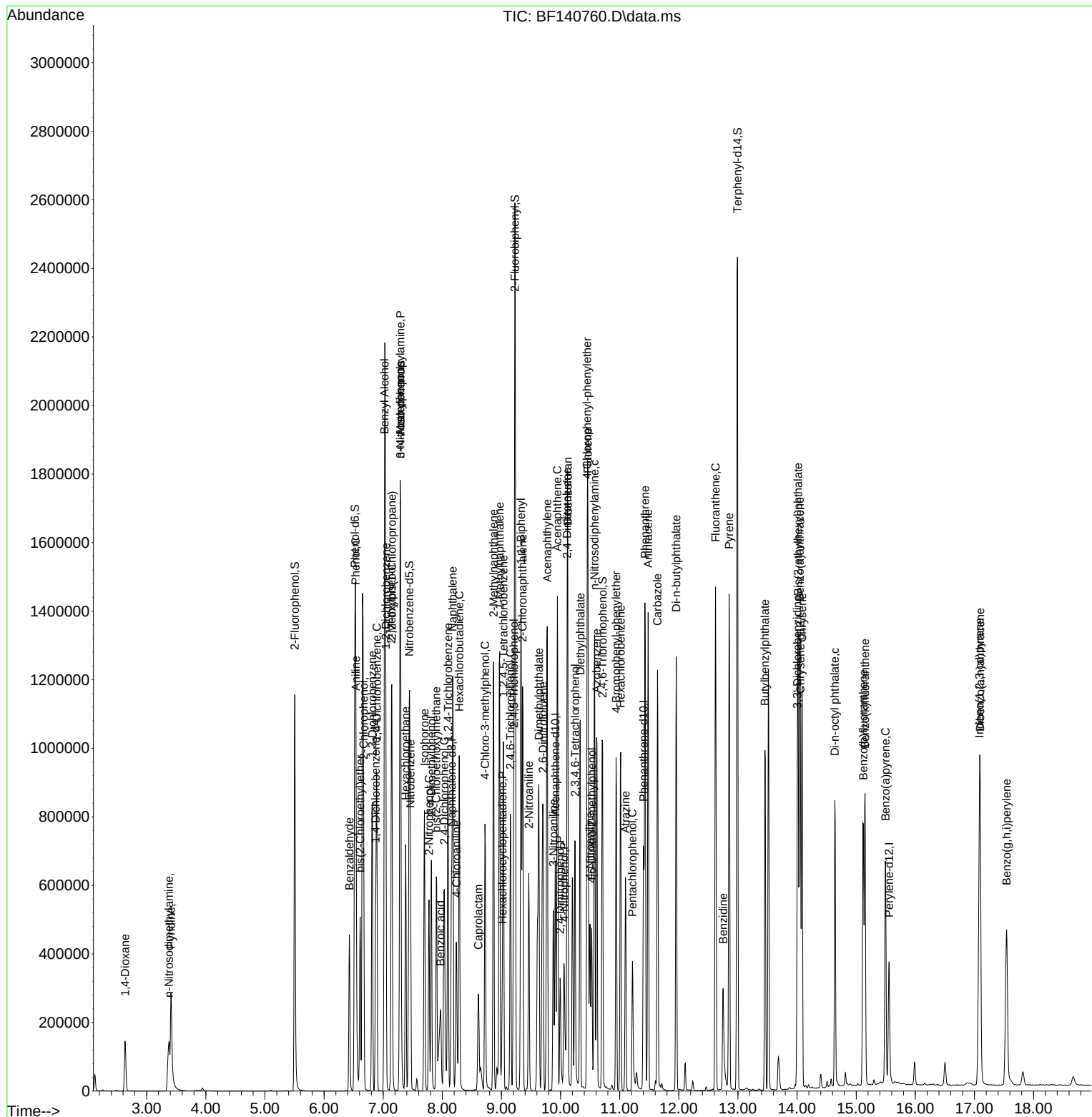
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Acq On    : 06 Dec 2024 12:08  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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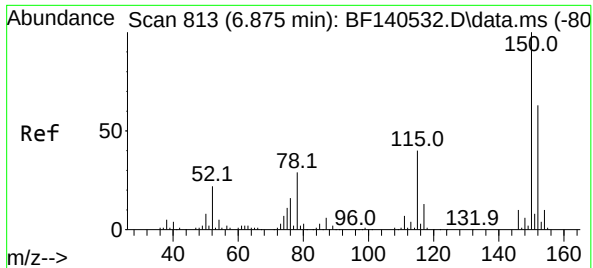
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BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

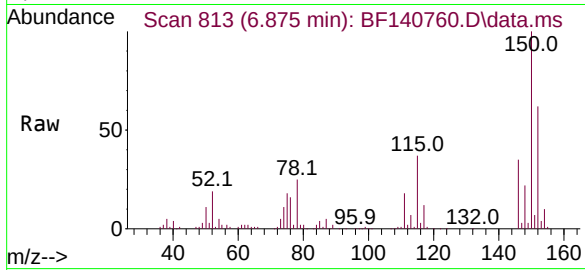
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

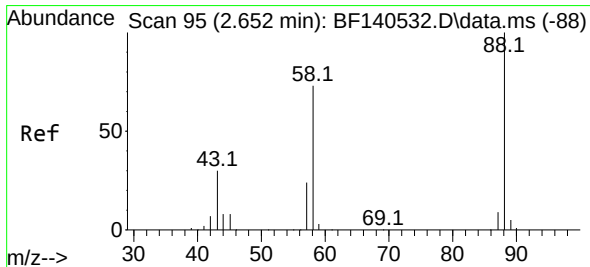
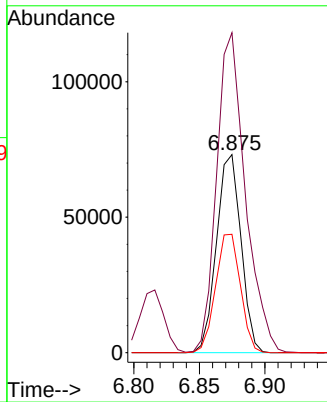
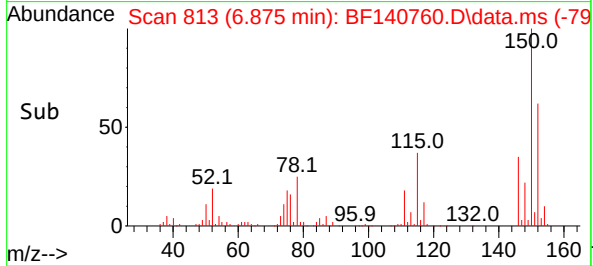
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 9502
Ion Ratio Lower Upper
152 100
150 161.5 128.5 192.7
115 59.8 50.2 75.4

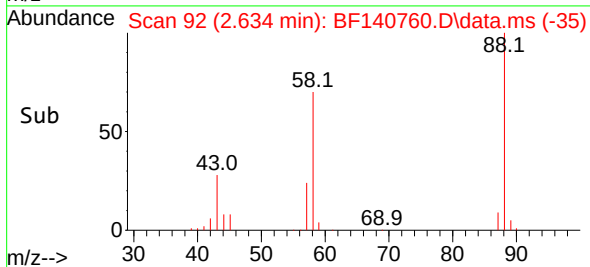
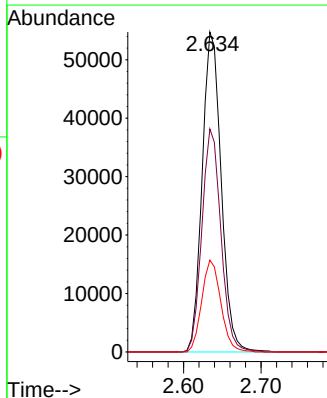
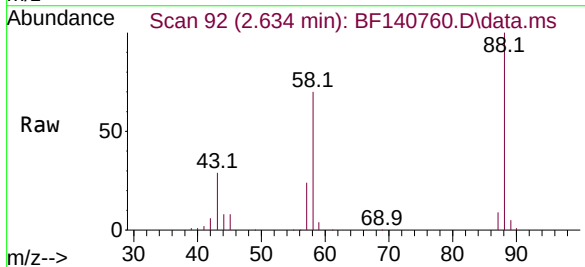
Manual Integrations
APPROVED

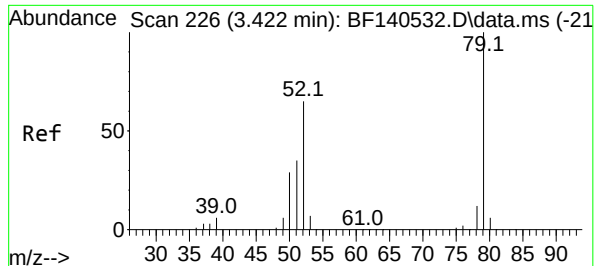
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#2
1,4-Dioxane
Concen: 39.896 ng
RT: 2.634 min Scan# 92
Delta R.T. -0.018 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

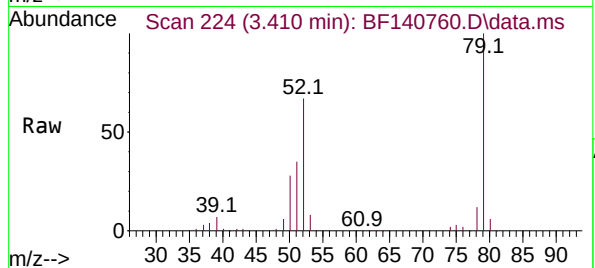
Tgt Ion: 88 Resp: 93419
Ion Ratio Lower Upper
88 100
58 69.6 57.4 86.2
43 28.8 24.3 36.5





#3
Pyridine
Concen: 41.413 ng
RT: 3.410 min Scan# 218
Delta R.T. -0.012 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

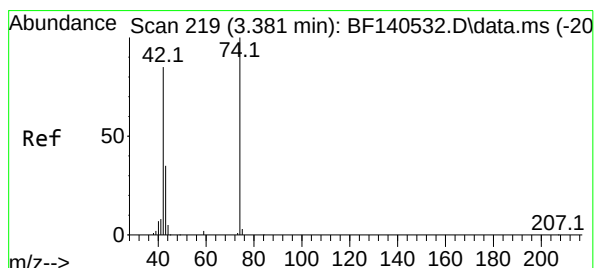
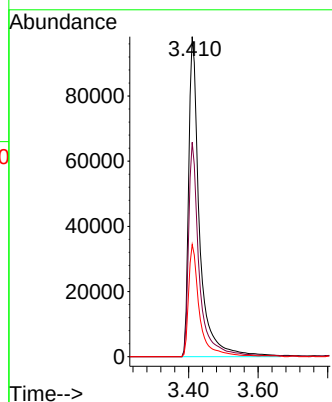
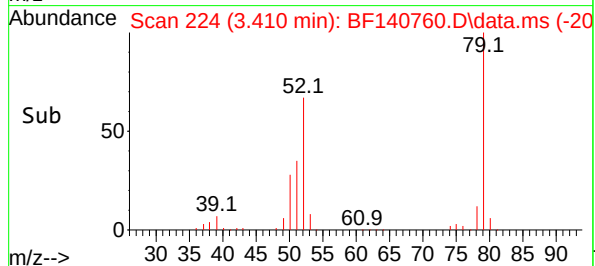
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 21335
Ion Ratio Lower Upper
79 100
52 67.0 52.1 78.1
51 35.1 27.8 41.8

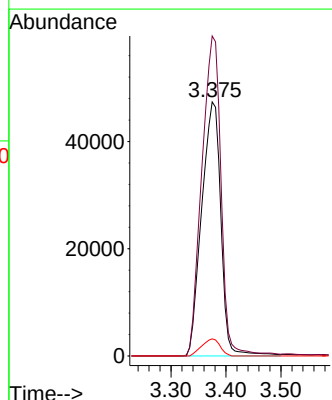
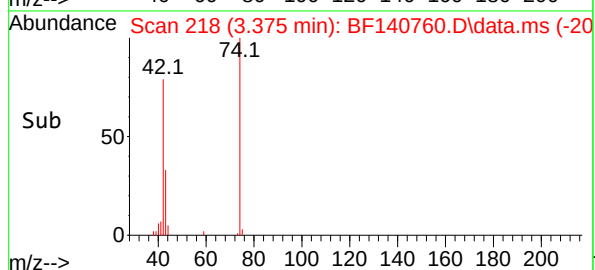
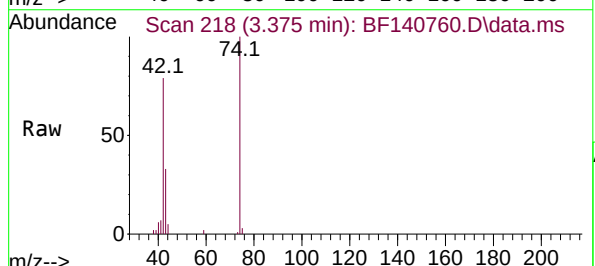
Manual Integrations
APPROVED

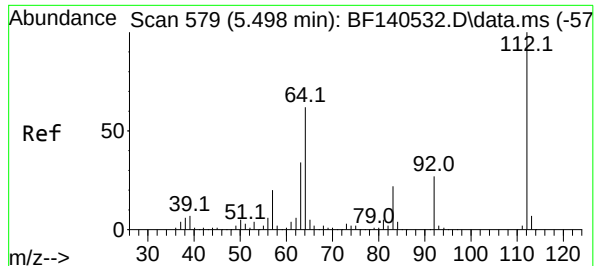
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#4
n-Nitrosodimethylamine
Concen: 37.945 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion: 42 Resp: 114897
Ion Ratio Lower Upper
42 100
74 125.9 93.8 140.6
44 6.7 4.6 6.8





#5
2-Fluorophenol
Concen: 83.162 ng
RT: 5.504 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

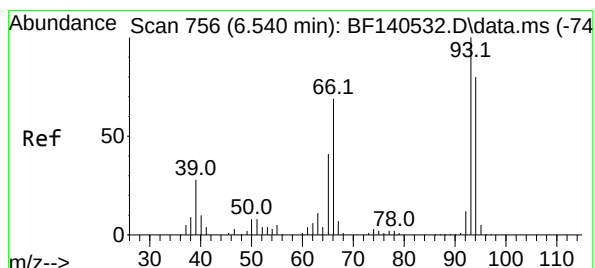
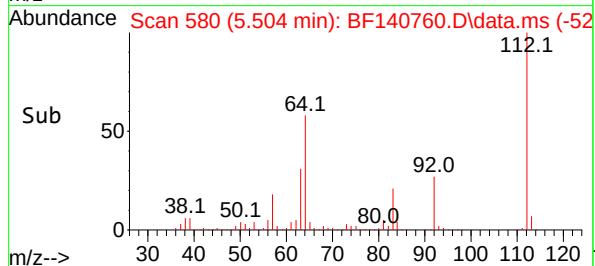
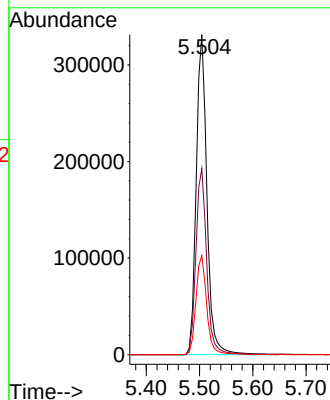
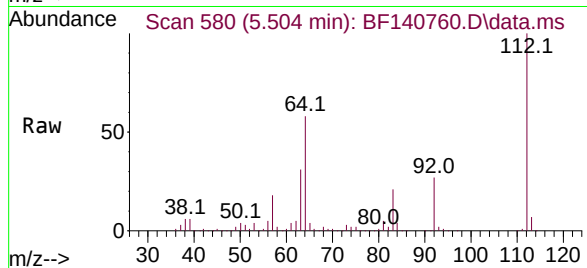
SSTDCCC040

Tgt Ion:112 Resp: 46314
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 31.0 27.0 40.4

Manual Integrations

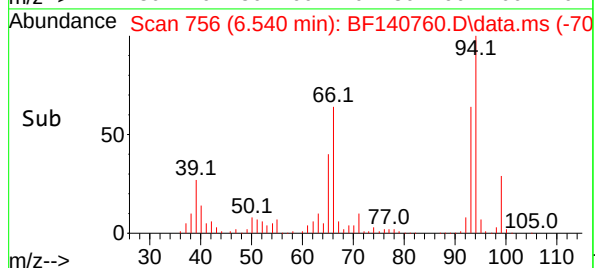
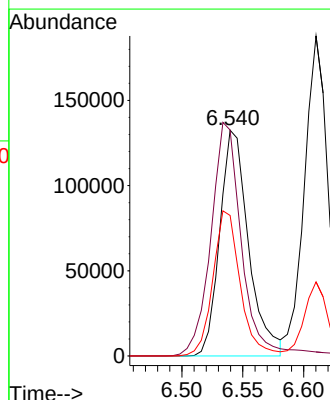
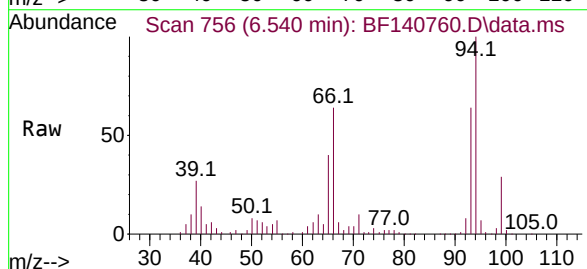
APPROVED

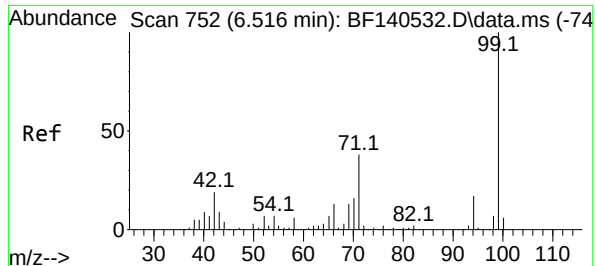
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#6
Aniline
Concen: 42.142 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

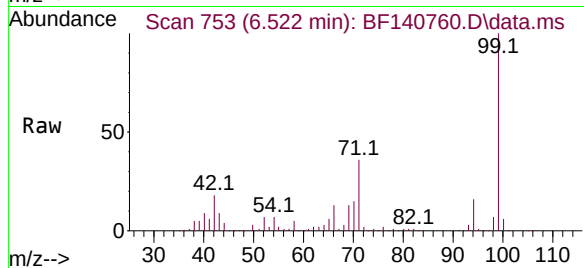
Tgt Ion: 93 Resp: 218389
Ion Ratio Lower Upper
93 100
66 100.1 56.5 84.7#
65 62.3 32.9 49.3#





#7
Phenol-d6
Concen: 82.586 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

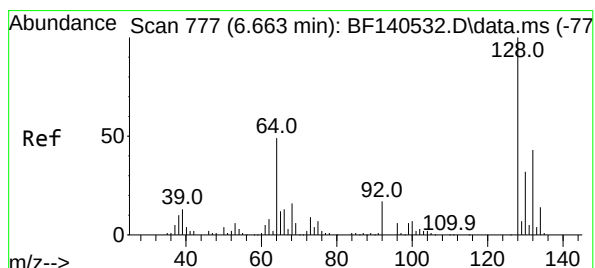
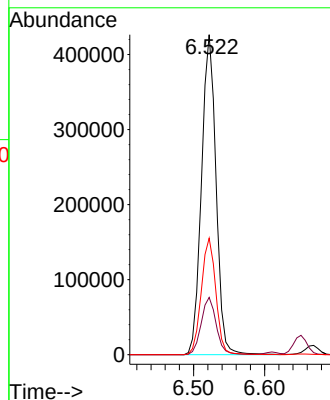
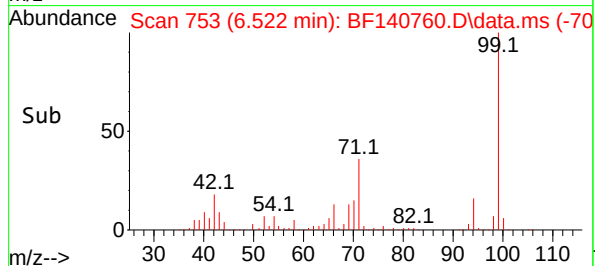
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 60804
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.4 30.6 46.0

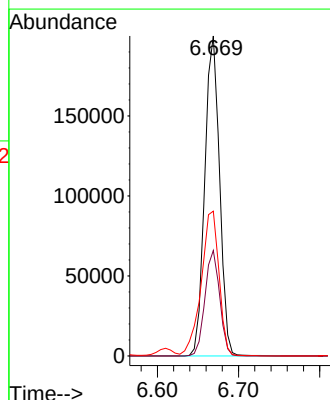
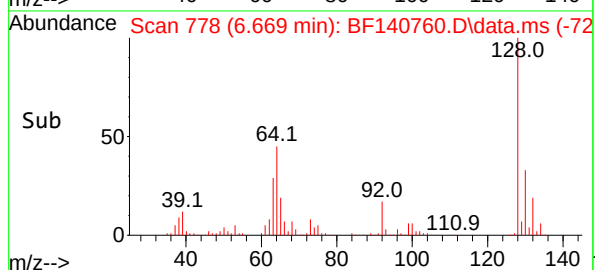
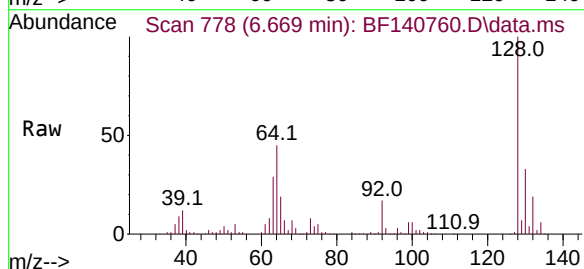
Manual Integrations
APPROVED

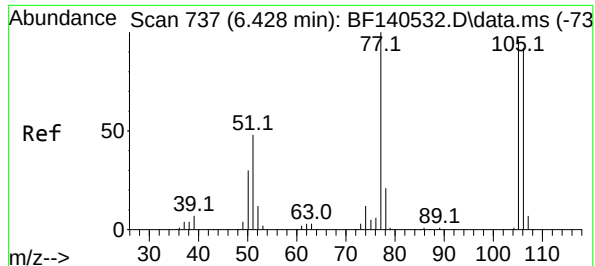
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#8
2-Chlorophenol
Concen: 42.168 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:128 Resp: 252651
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 45.2 30.2 70.2





#9

Benzaldehyde

Concen: 34.021 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 13260

Ion Ratio Lower Upper

77 100

105 94.9 75.6 115.6

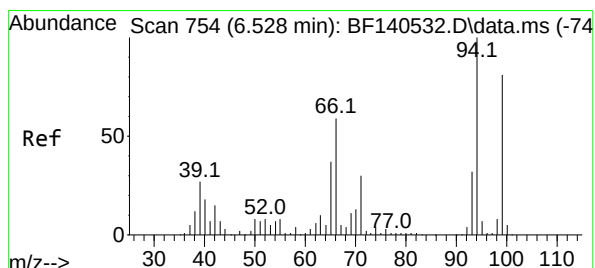
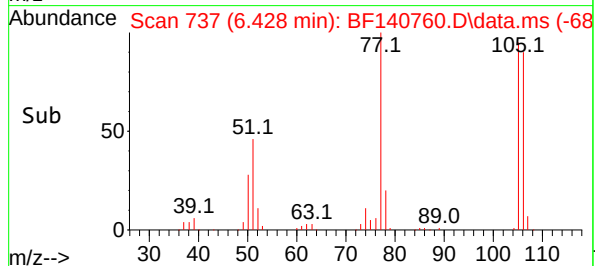
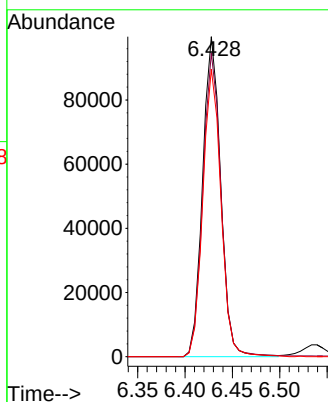
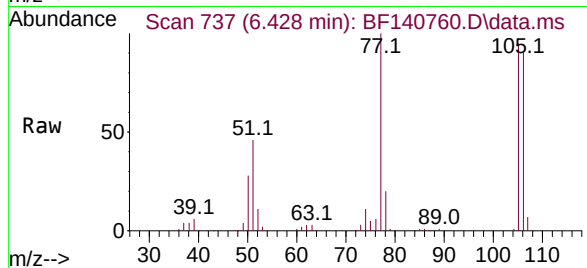
106 89.9 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#10

Phenol

Concen: 41.507 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

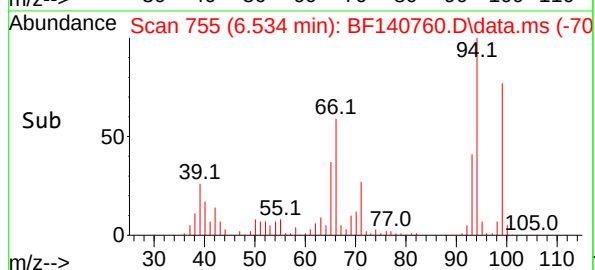
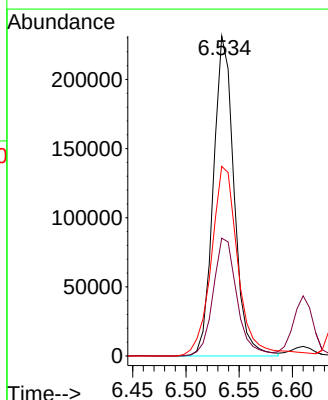
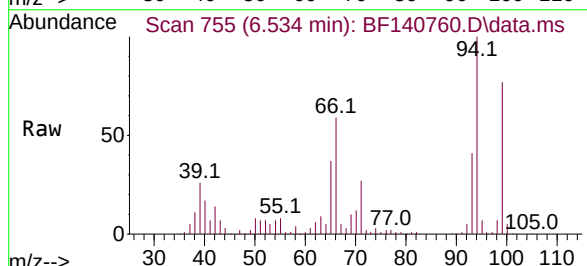
Tgt Ion: 94 Resp: 312090

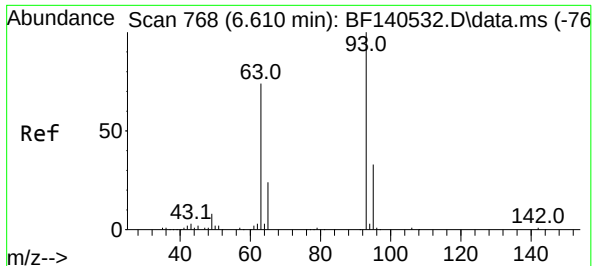
Ion Ratio Lower Upper

94 100

65 36.8 17.2 57.2

66 59.2 39.2 79.2





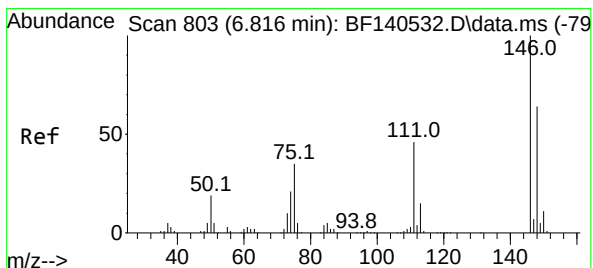
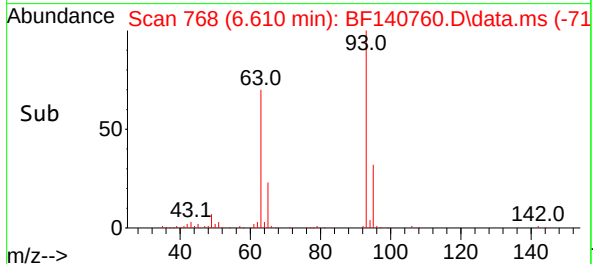
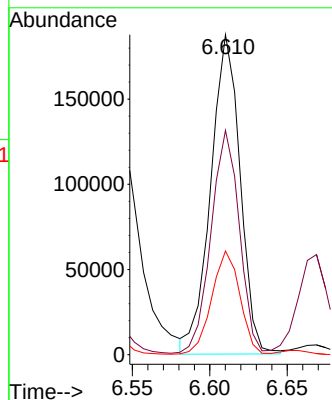
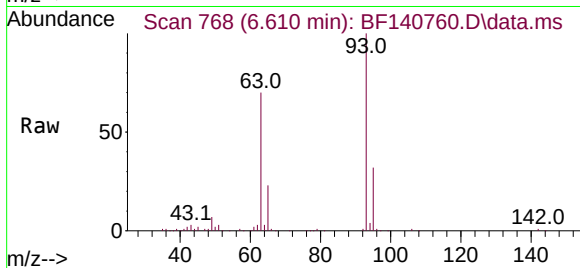
#11
bis(2-Chloroethyl)ether
Concen: 42.965 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 24721
Ion Ratio Lower Upper
93 100
63 70.1 52.8 92.8
95 32.4 12.3 52.3

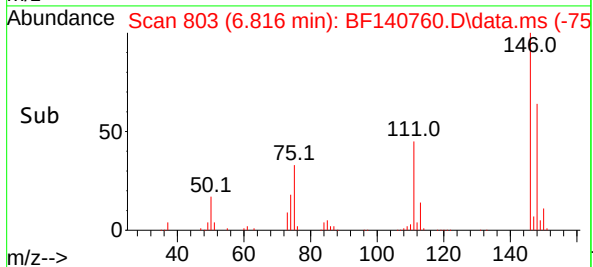
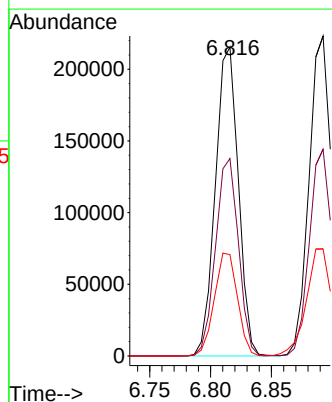
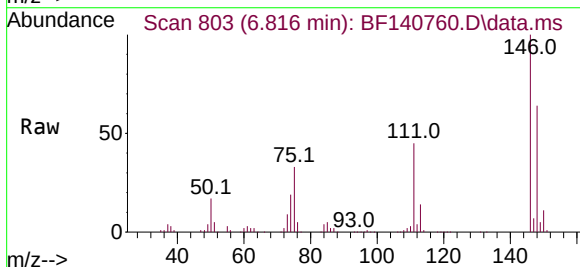
Manual Integrations
APPROVED

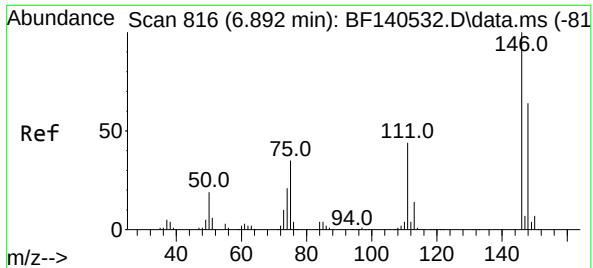
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#12
1,3-Dichlorobenzene
Concen: 42.028 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:146 Resp: 282952
Ion Ratio Lower Upper
146 100
148 63.9 51.3 76.9
75 32.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 42.135 ng

RT: 6.892 min Scan# 816

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 28722

Ion Ratio Lower Upper

146 100

148 64.6 51.0 76.6

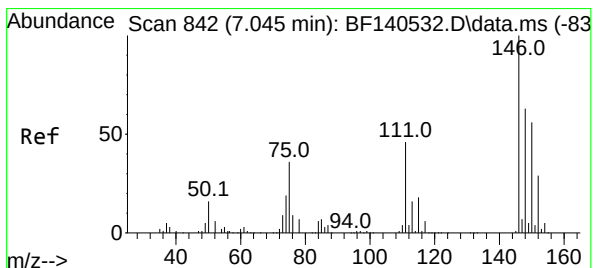
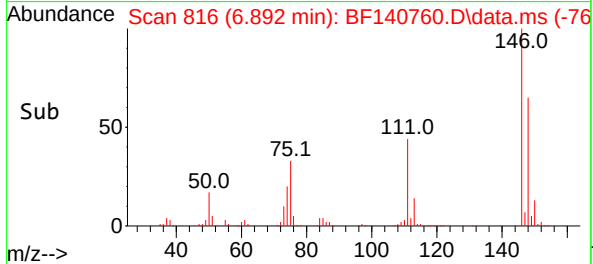
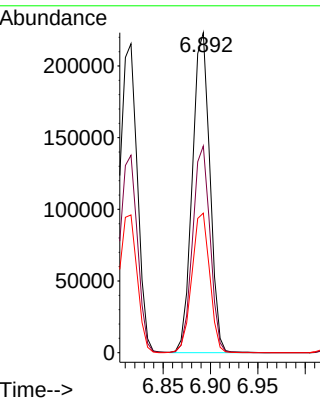
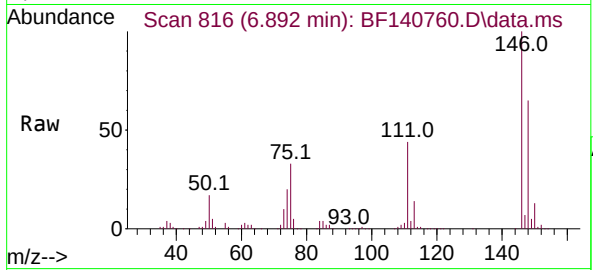
111 43.6 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#14

1,2-Dichlorobenzene

Concen: 42.351 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

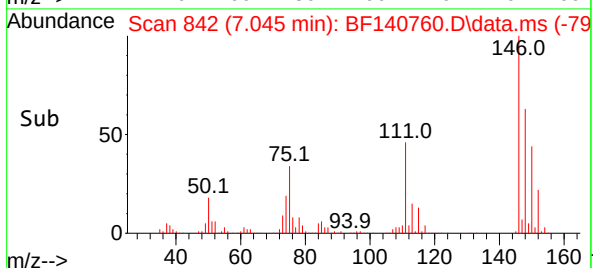
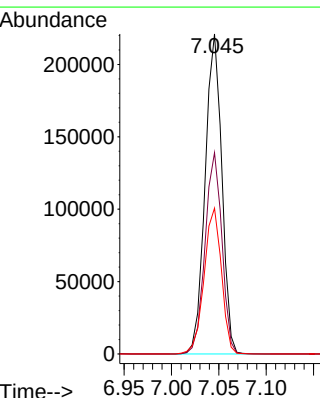
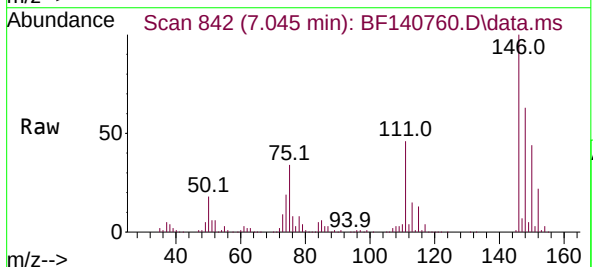
Tgt Ion:146 Resp: 270520

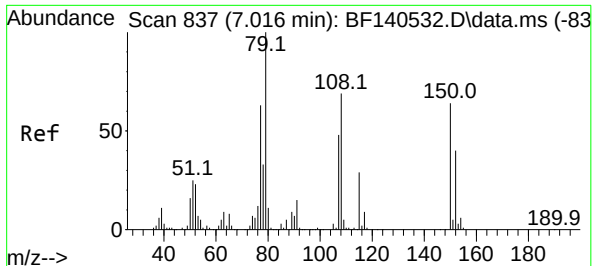
Ion Ratio Lower Upper

146 100

148 62.9 50.5 75.7

111 45.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 40.164 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 21929

Ion Ratio Lower Upper

79 100

108 70.8 55.0 82.6

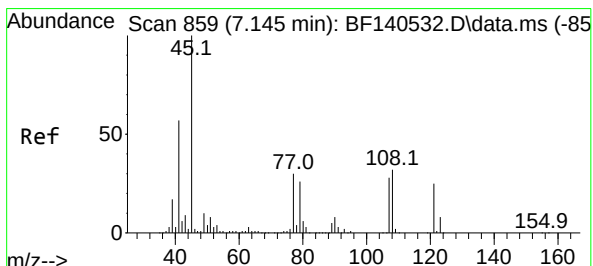
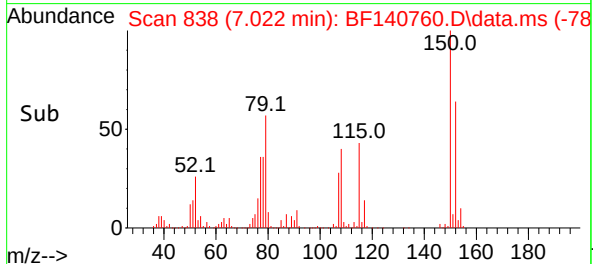
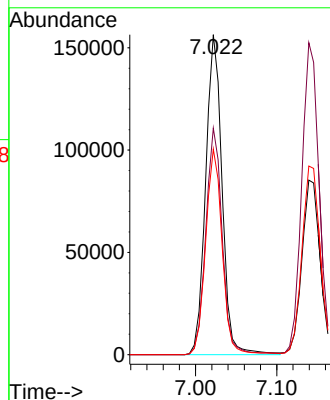
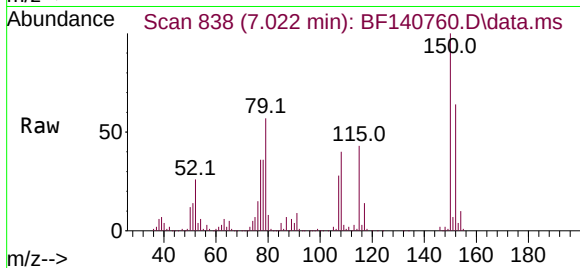
77 64.3 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.013 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

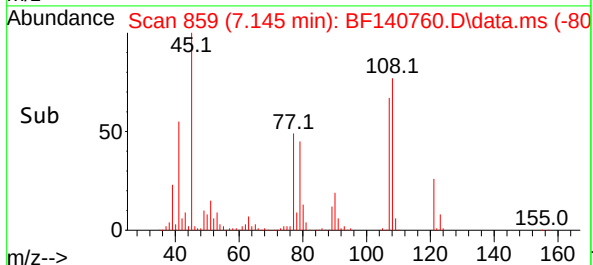
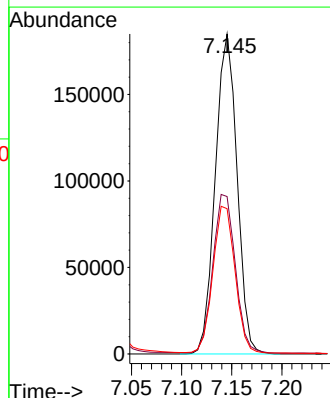
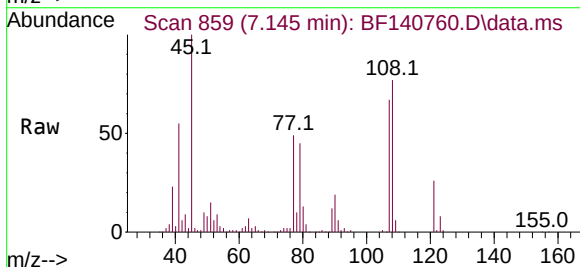
Tgt Ion: 45 Resp: 278783

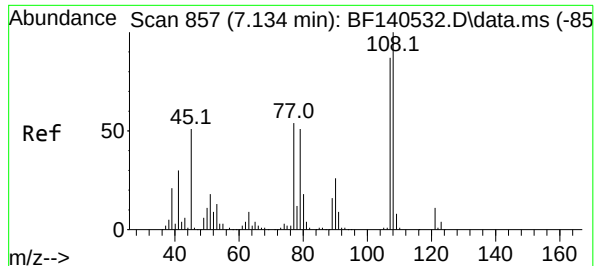
Ion Ratio Lower Upper

45 100

77 49.2 10.7 50.7

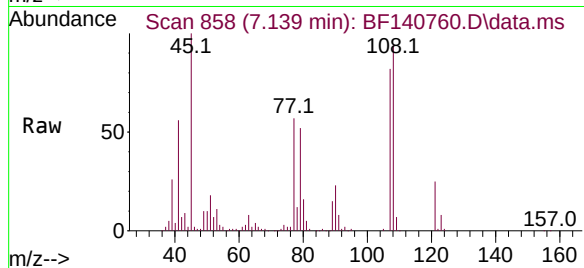
79 45.4 7.0 47.0





#17
2-Methylphenol
Concen: 41.575 ng
RT: 7.139 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

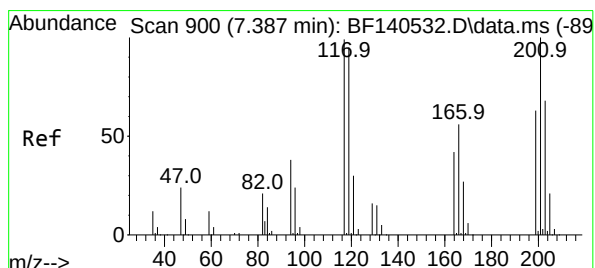
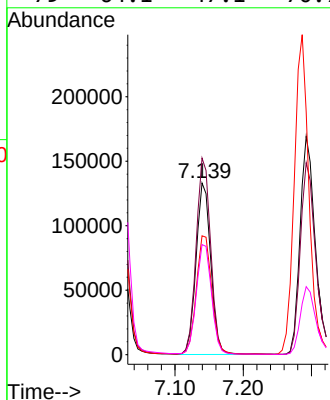
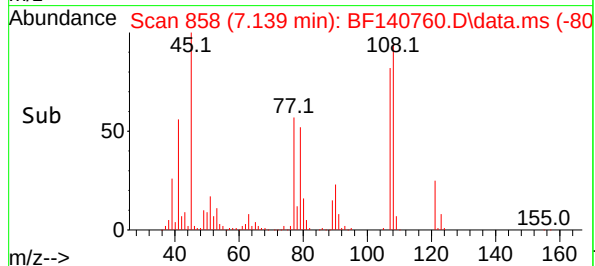
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 19940
Ion Ratio Lower Upper
107 100
108 114.6 91.7 137.5
77 69.3 49.3 73.9
79 64.1 47.1 70.7

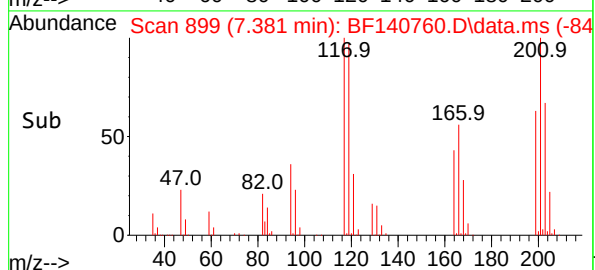
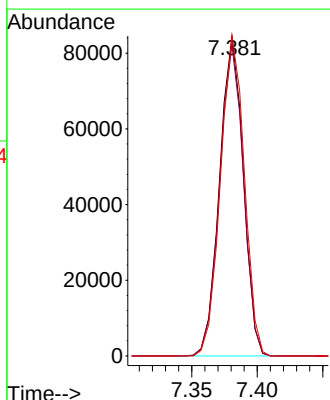
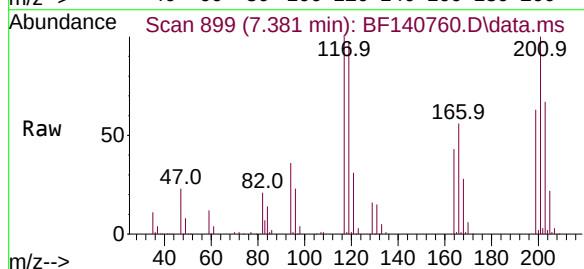
Manual Integrations
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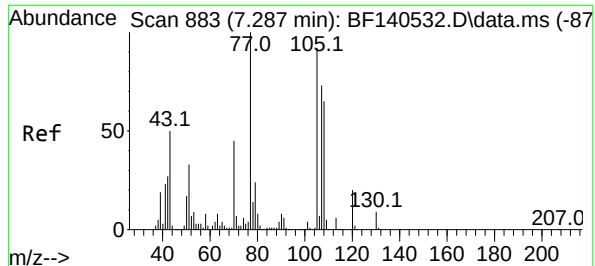
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#18
Hexachloroethane
Concen: 41.656 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:117 Resp: 106056
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7
201 100.1 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 41.650 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 18123

Ion Ratio Lower Upper

70 100

42 55.5 47.6 71.4

101 10.0 7.6 11.4

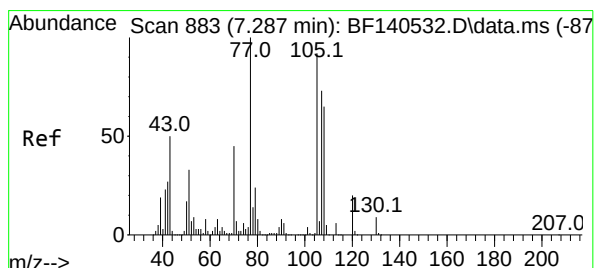
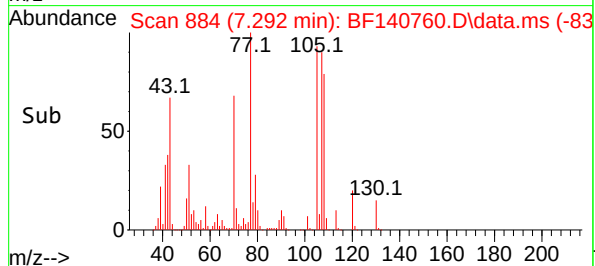
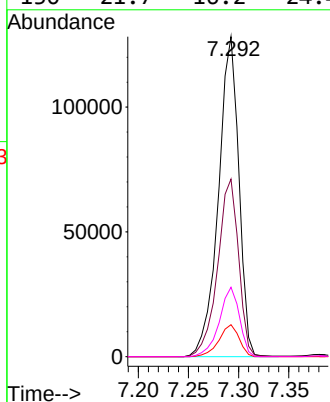
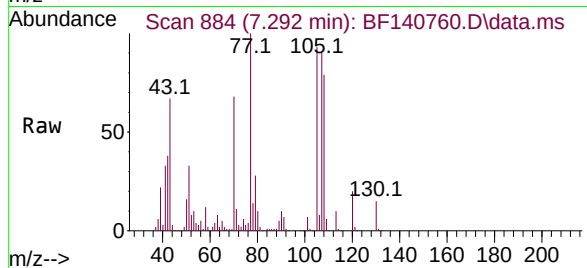
130 21.7 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#20

3+4-Methylphenols

Concen: 42.961 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Tgt Ion:107 Resp: 264848

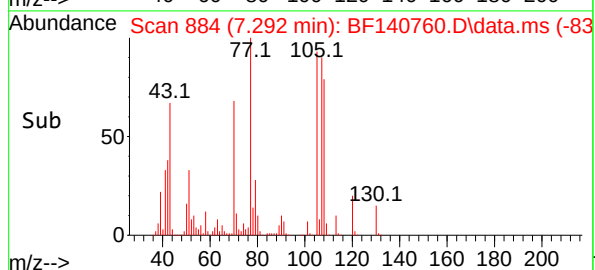
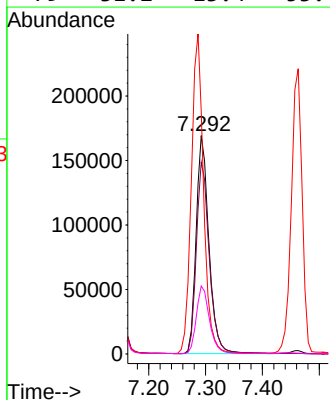
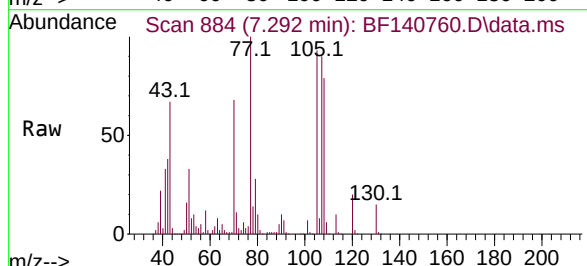
Ion Ratio Lower Upper

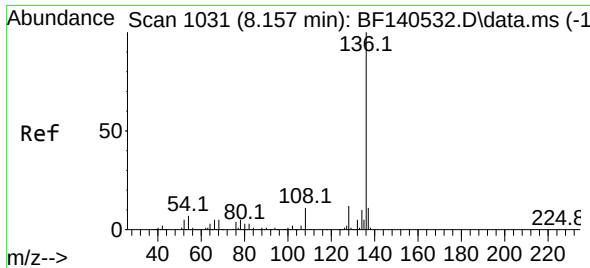
107 100

108 87.9 69.9 109.9

77 111.0 117.7 157.7#

79 31.2 13.4 53.4





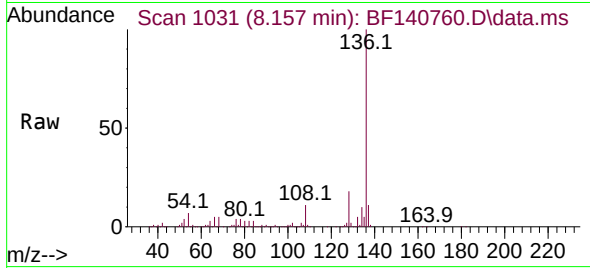
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

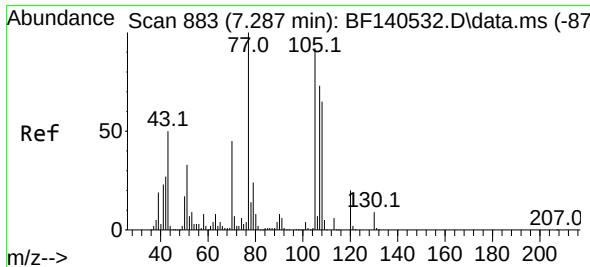
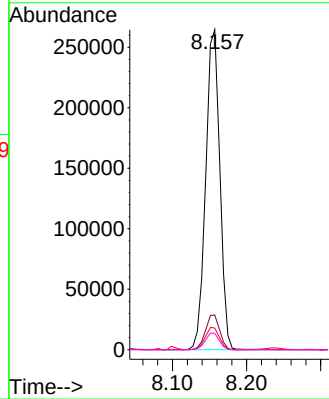
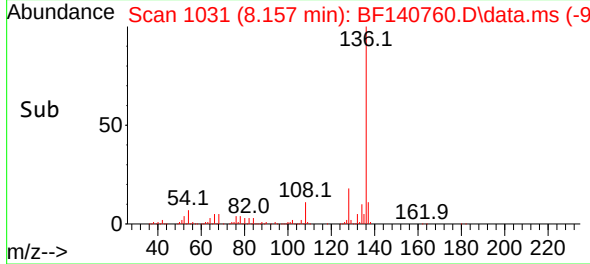


Tgt Ion:136 Resp: 35054
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 6.8 5.8 8.8
68 5.1 4.1 6.1

Manual Integrations

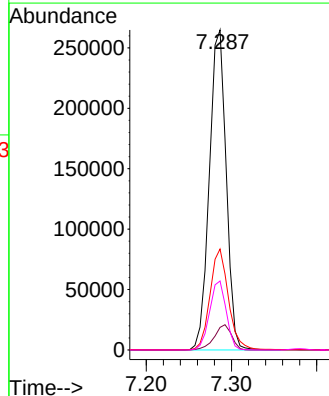
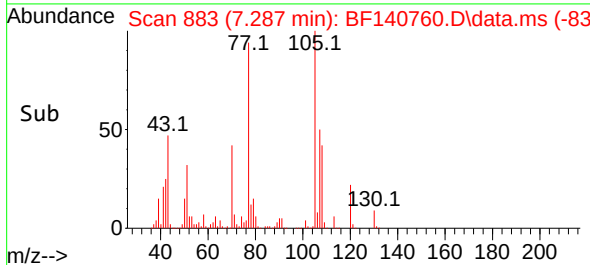
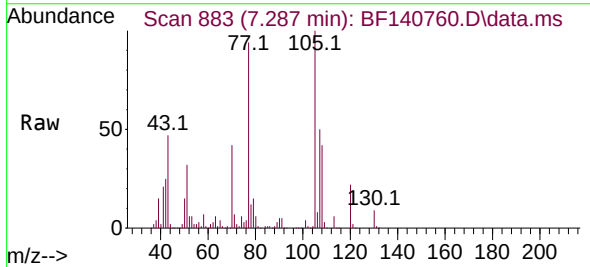
APPROVED

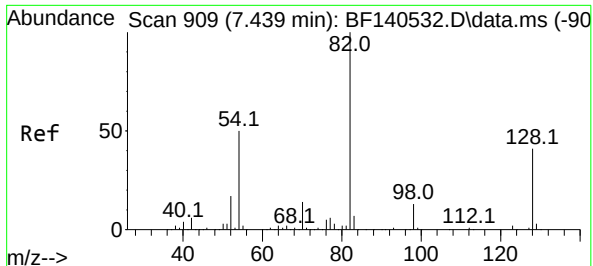
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#22
Acetophenone
Concen: 42.552 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:105 Resp: 363650
Ion Ratio Lower Upper
105 100
71 7.1 6.2 9.2
51 31.5 29.0 43.6
120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 82.527 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 565572

Ion Ratio Lower Upper

82 100

128 42.6 33.0 49.4

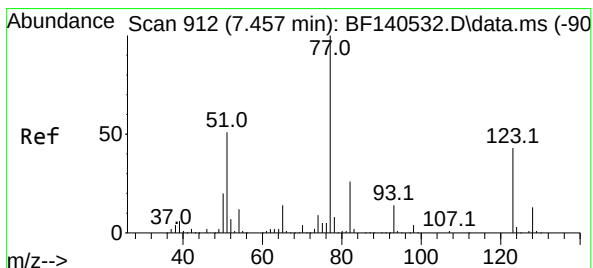
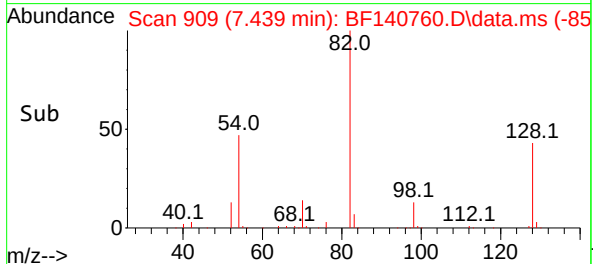
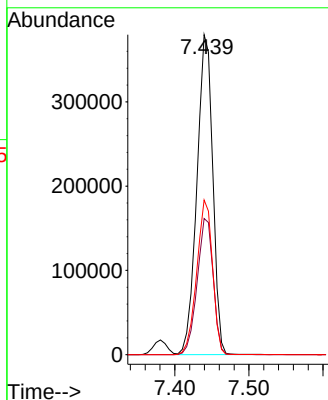
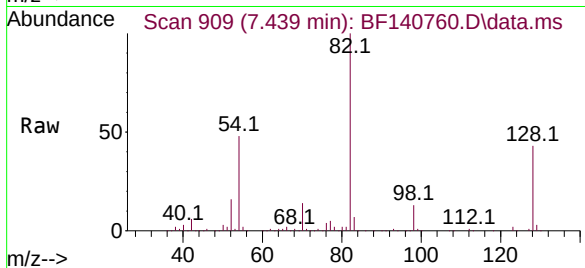
54 48.3 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#24

Nitrobenzene

Concen: 41.340 ng

RT: 7.463 min Scan# 913

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

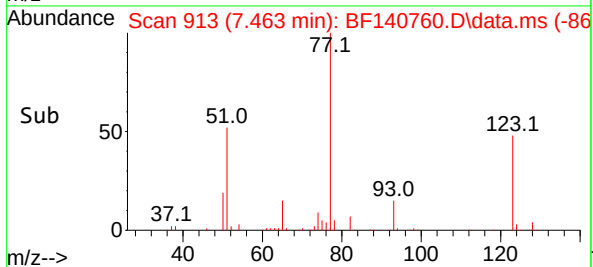
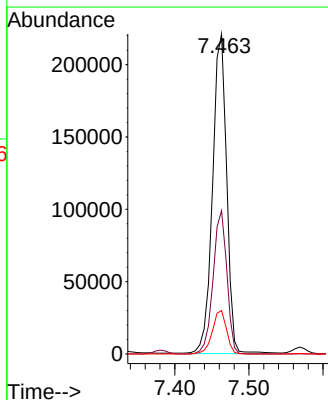
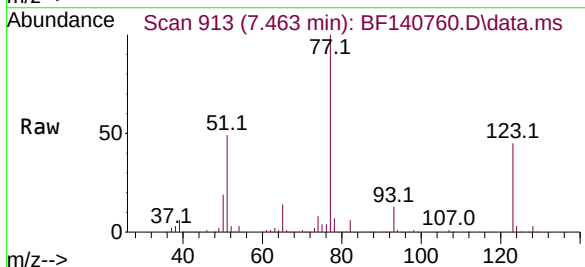
Tgt Ion: 77 Resp: 292812

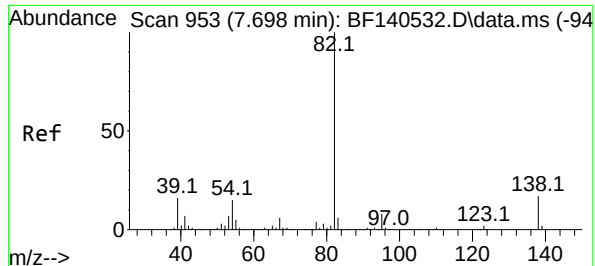
Ion Ratio Lower Upper

77 100

123 44.7 34.3 51.5

65 13.6 11.2 16.8





#25

Isophorone

Concen: 42.182 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 48216

Ion Ratio Lower Upper

82 100

95 7.7 6.4 9.6

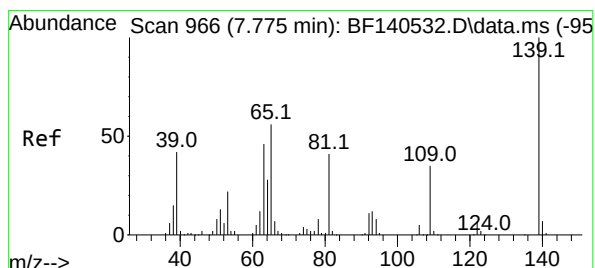
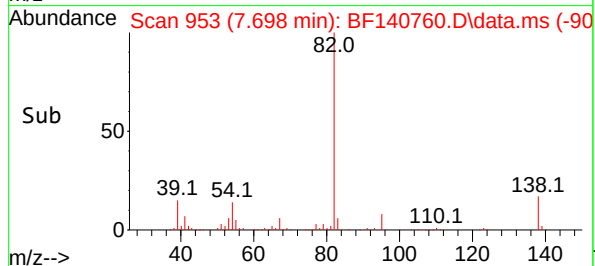
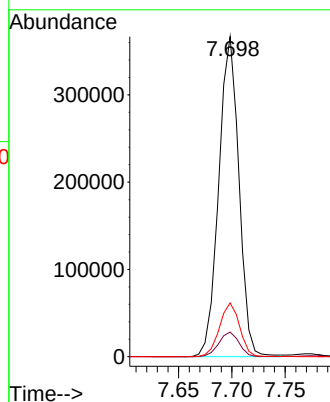
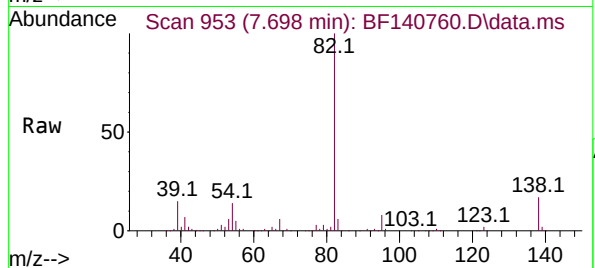
138 16.8 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#26

2-Nitrophenol

Concen: 43.892 ng

RT: 7.775 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

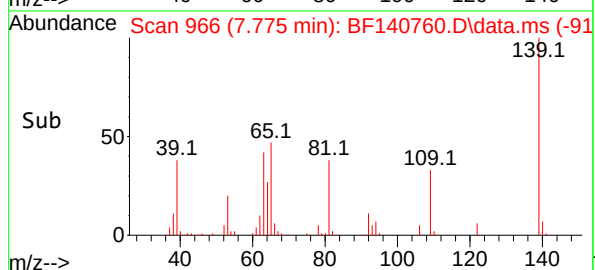
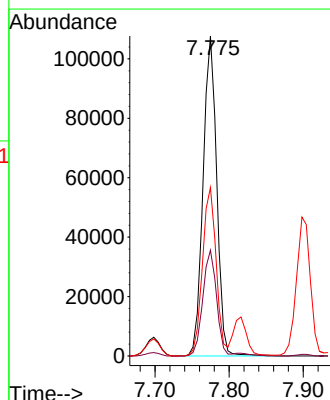
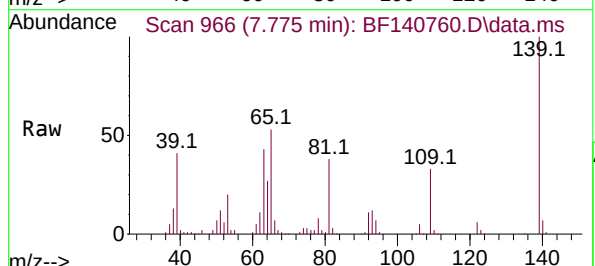
Tgt Ion:139 Resp: 137770

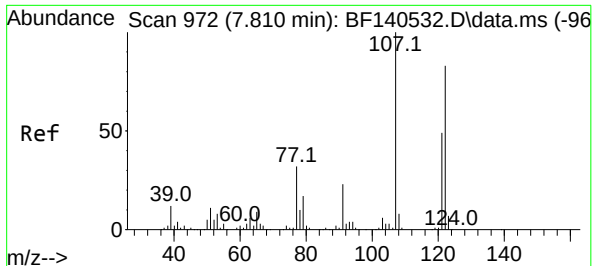
Ion Ratio Lower Upper

139 100

109 33.0 28.0 42.0

65 52.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 44.847 ng m

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 16842

Ion Ratio Lower Upper

122 100

107 117.4 96.8 145.2

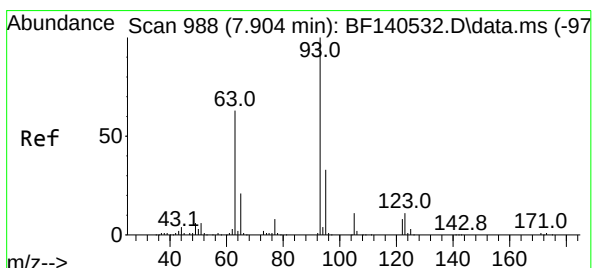
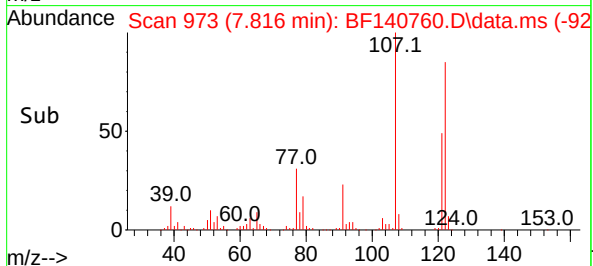
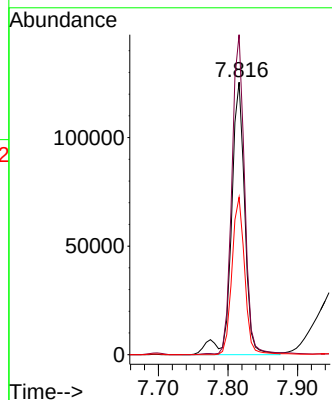
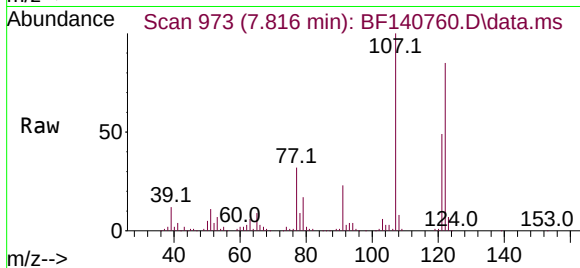
121 57.8 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#28

bis(2-Chloroethoxy)methane

Concen: 43.386 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

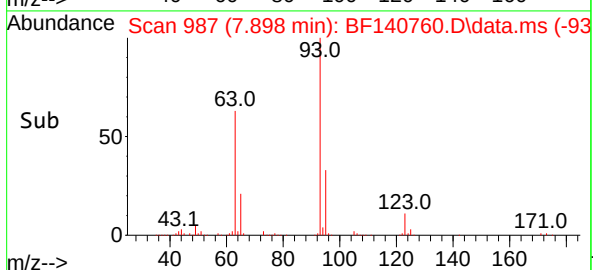
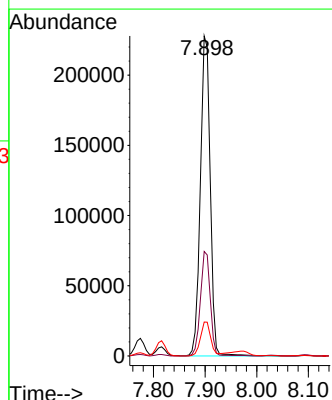
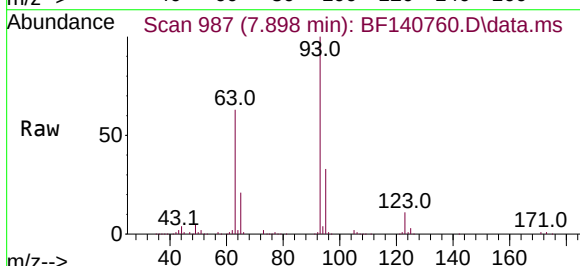
Tgt Ion: 93 Resp: 302116

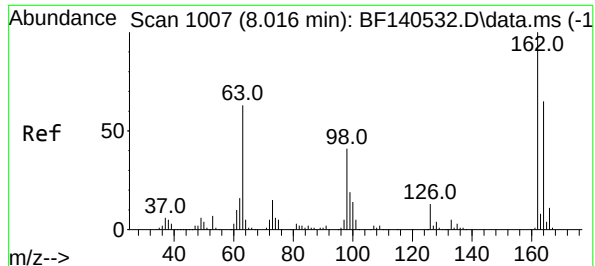
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 10.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 43.683 ng

RT: 8.034 min Scan# 1007

Delta R.T. 0.018 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 217380

Ion Ratio Lower Upper

162 100

164 64.1 44.8 84.8

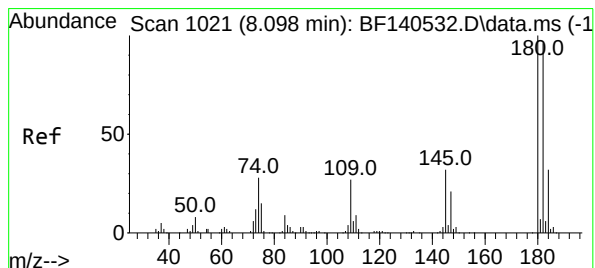
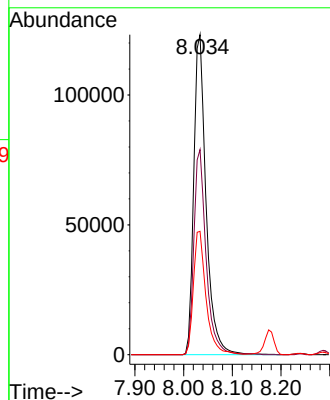
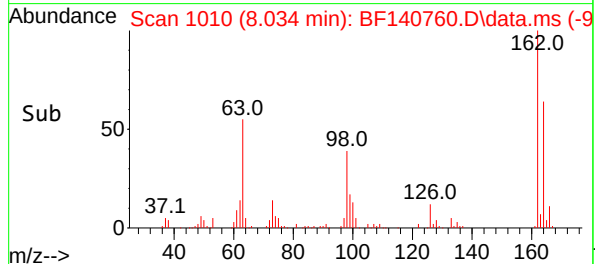
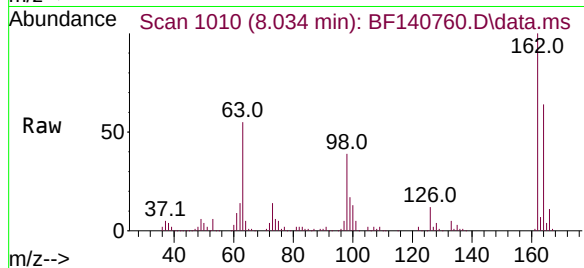
98 38.5 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#30

1,2,4-Trichlorobenzene

Concen: 42.979 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

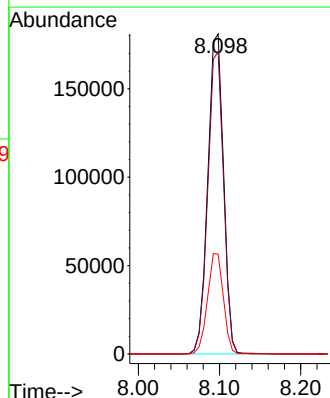
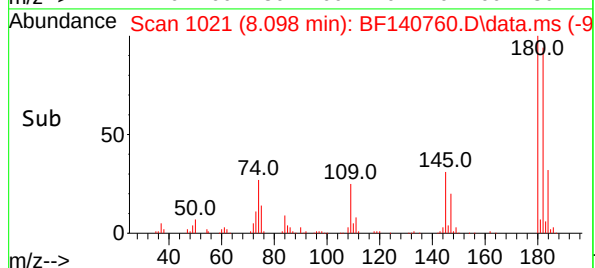
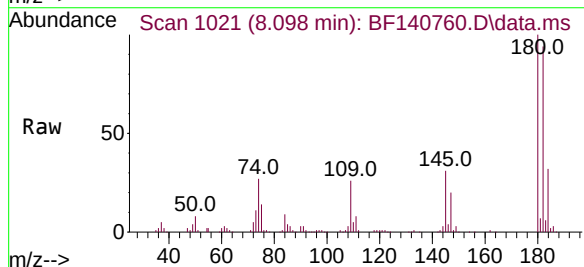
Tgt Ion:180 Resp: 244202

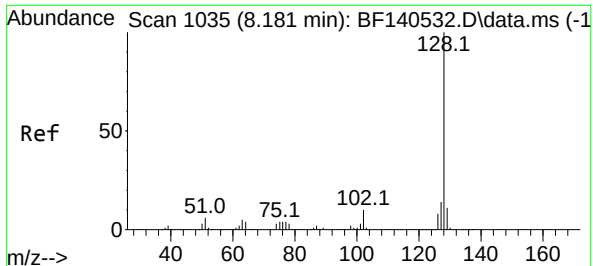
Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

145 31.2 25.9 38.9





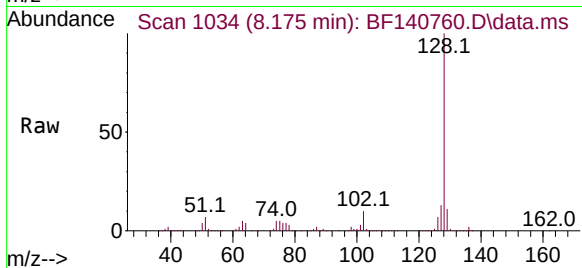
#31
Naphthalene
Concen: 42.579 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

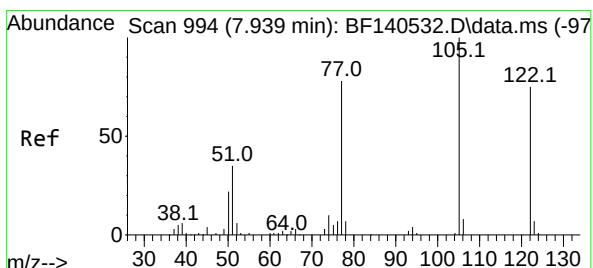
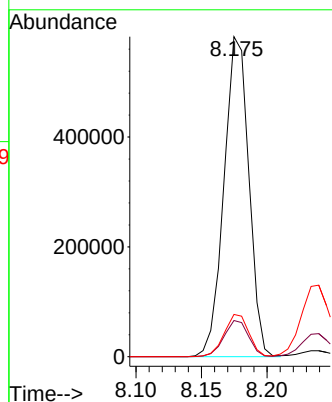
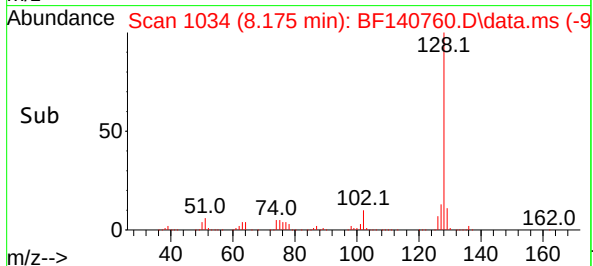


Tgt Ion:128 Resp: 76880
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.8 16.2

Manual Integrations

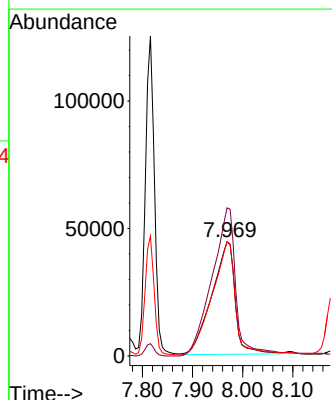
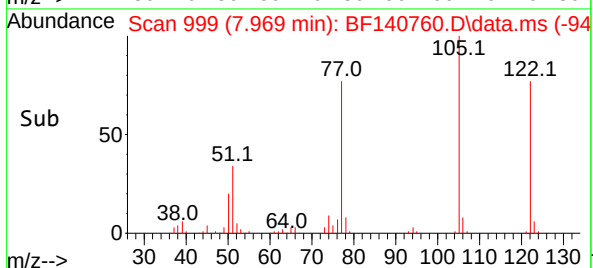
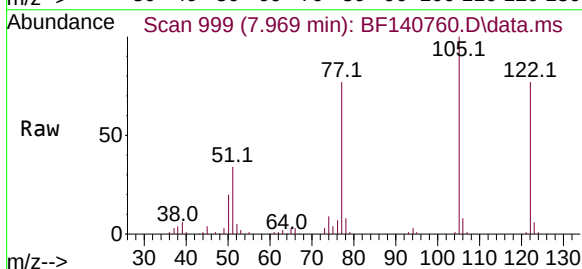
APPROVED

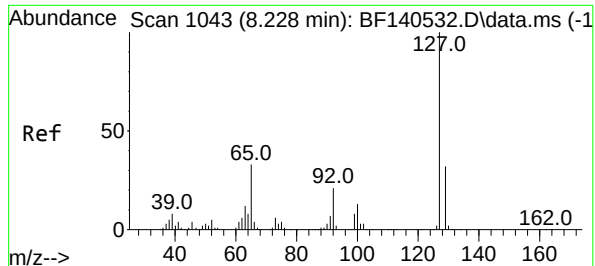
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#32
Benzoic acid
Concen: 44.312 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.030 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:122 Resp: 142696
Ion Ratio Lower Upper
122 100
105 130.0 109.3 149.3
77 100.4 82.3 122.3





#33
4-Chloroaniline
Concen: 44.466 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.012 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

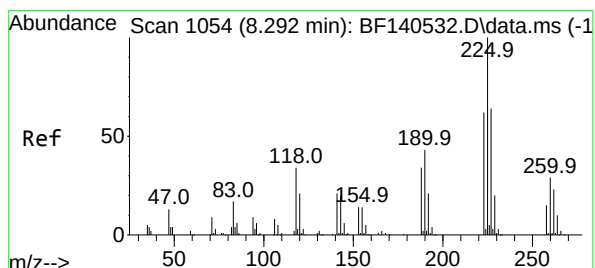
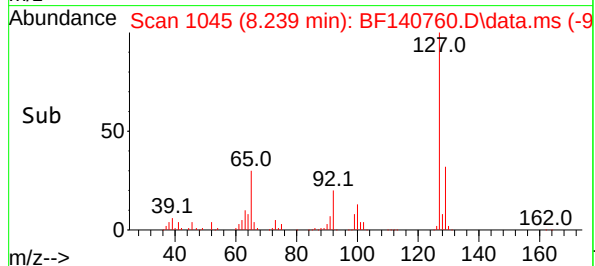
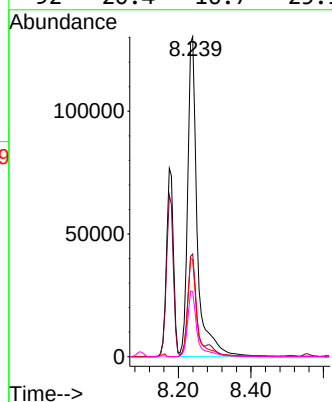
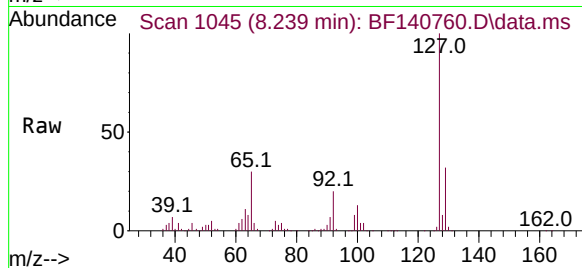
SSTDCCC040

Tgt Ion:127 Resp: 240385
Ion Ratio Lower Upper
127 100
129 32.1 26.0 39.0
65 30.4 26.0 39.0
92 20.4 16.7 25.1

Manual Integrations

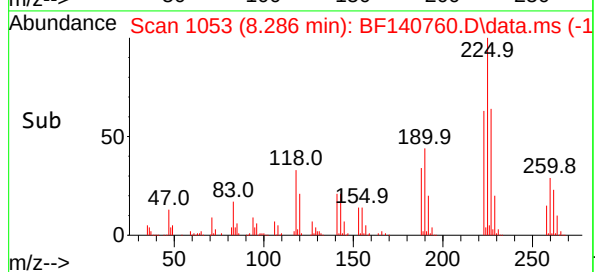
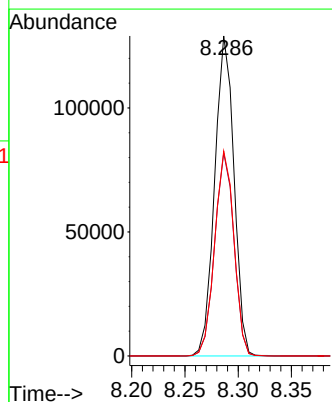
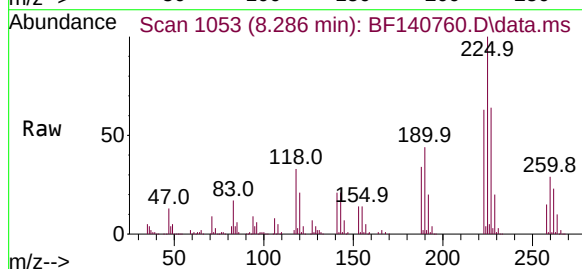
APPROVED

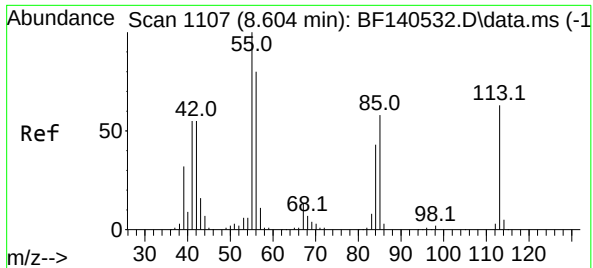
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#34
Hexachlorobutadiene
Concen: 43.124 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:225 Resp: 162294
Ion Ratio Lower Upper
225 100
223 63.4 49.8 74.8
227 64.0 51.3 76.9





#35

Caprolactam

Concen: 42.490 ng m

RT: 8.610 min Scan# 1107

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 6543

Ion Ratio Lower Upper

113 100

55 156.8 137.7 177.7

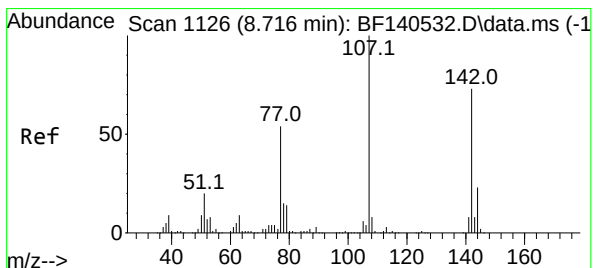
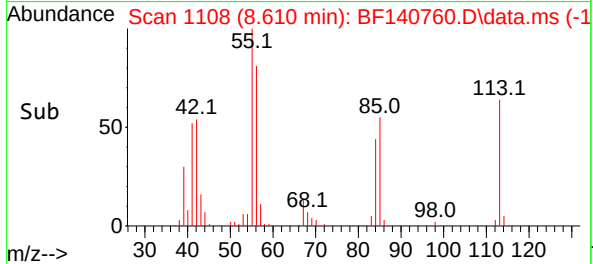
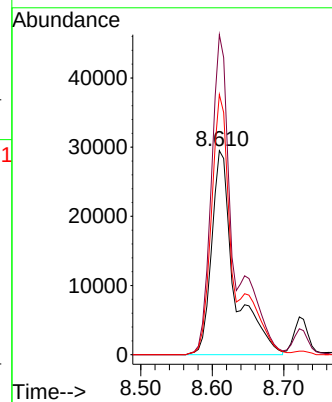
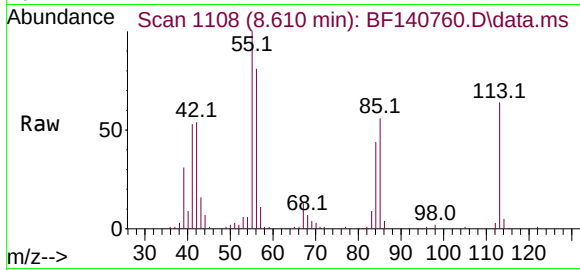
56 127.5 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#36

4-Chloro-3-methylphenol

Concen: 42.811 ng

RT: 8.722 min Scan# 1127

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

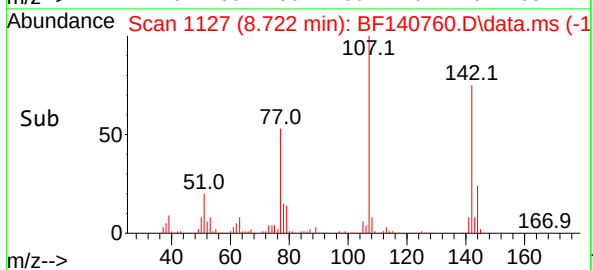
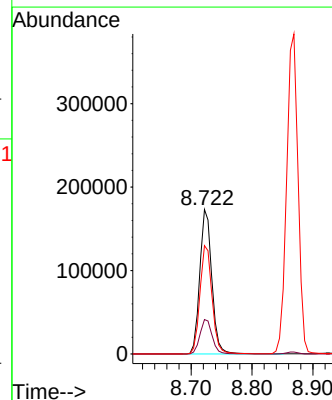
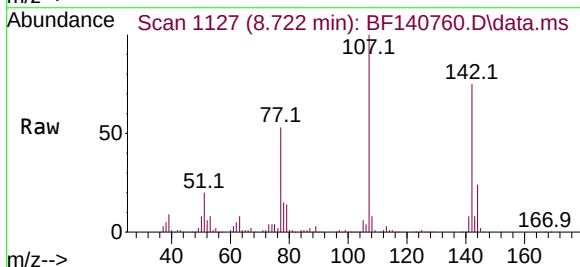
Tgt Ion:107 Resp: 238533

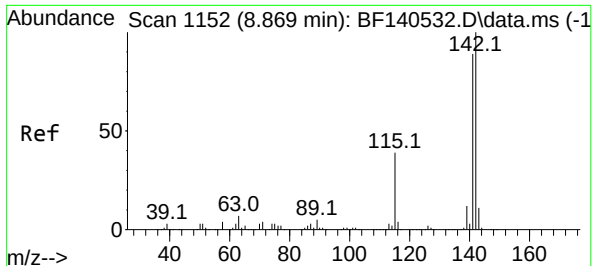
Ion Ratio Lower Upper

107 100

144 23.9 18.7 28.1

142 75.0 58.3 87.5





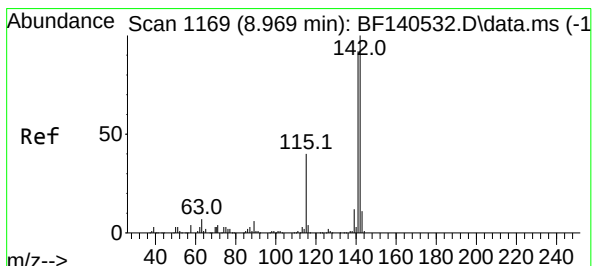
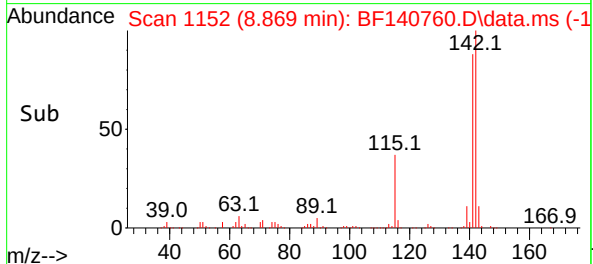
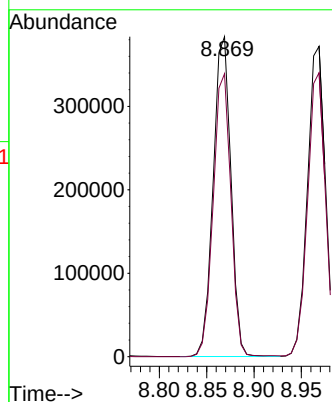
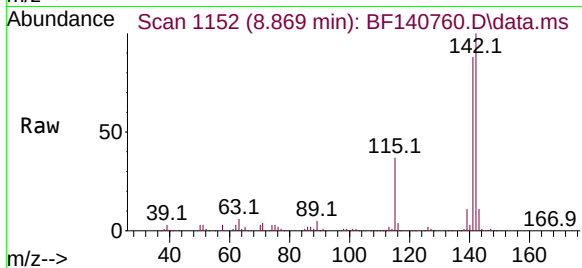
#37
2-Methylnaphthalene
Concen: 43.448 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 49828
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.6

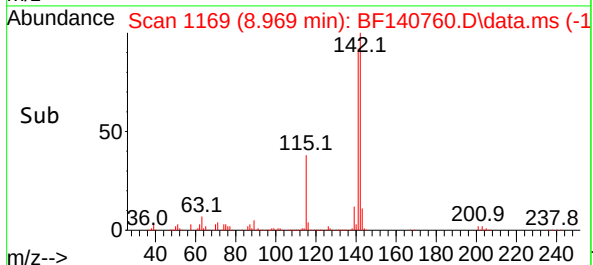
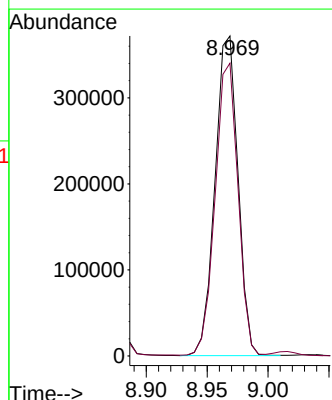
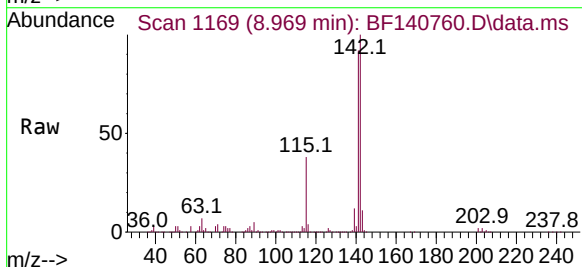
Manual Integrations
APPROVED

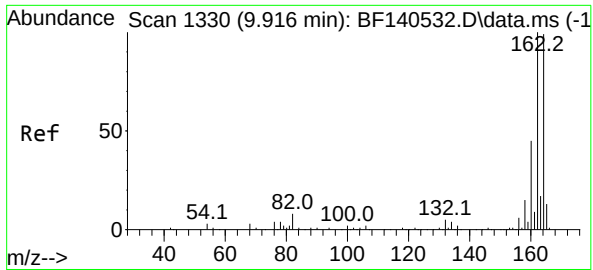
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#38
1-Methylnaphthalene
Concen: 43.322 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:142 Resp: 486995
Ion Ratio Lower Upper
142 100
141 91.5 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140760.D

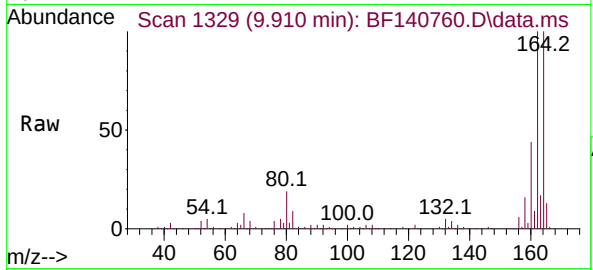
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 20013

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

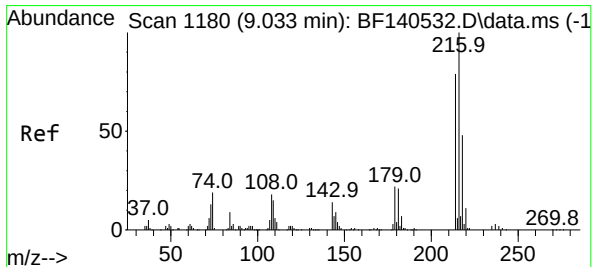
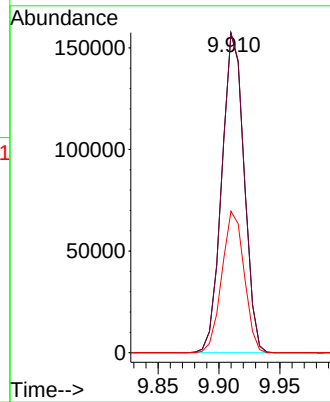
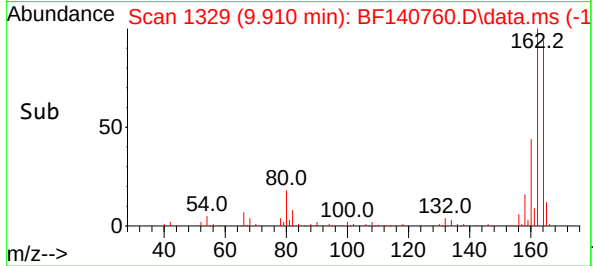
160 44.3 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#40

1,2,4,5-Tetrachlorobenzene

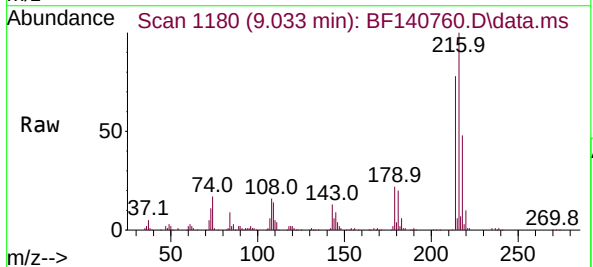
Concen: 42.527 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08



Tgt Ion:216 Resp: 249157

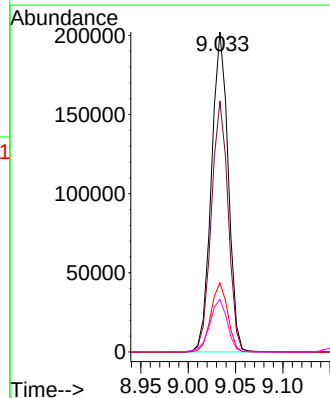
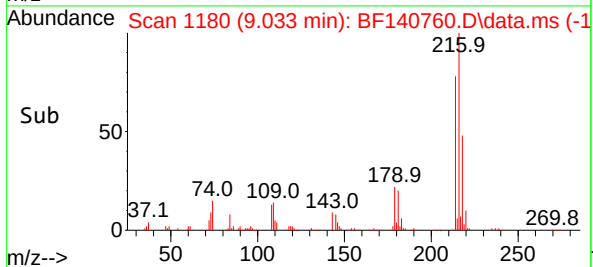
Ion Ratio Lower Upper

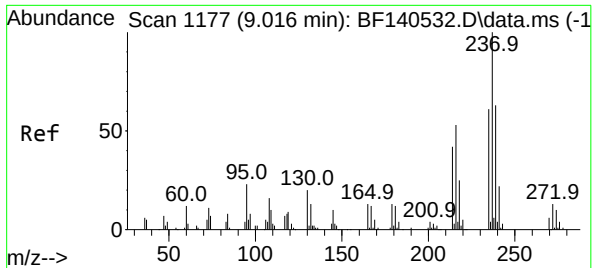
216 100

214 78.4 63.0 94.4

179 21.6 17.5 26.3

108 17.3 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 42.236 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

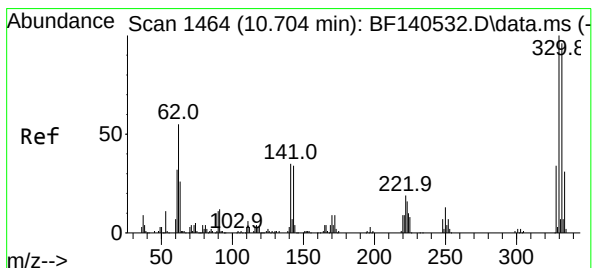
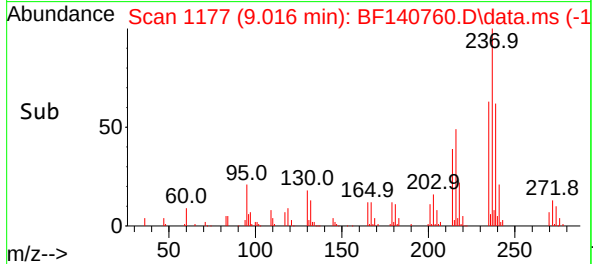
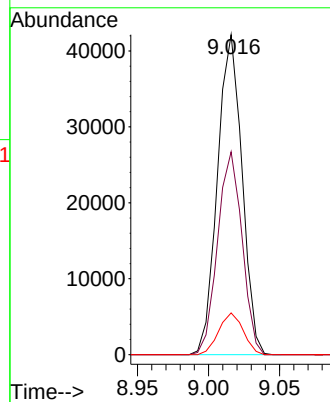
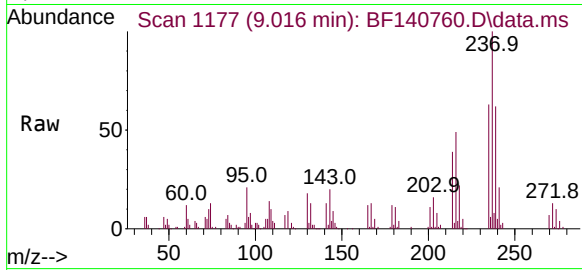
Tgt Ion:	237	Resp:	50634
Ion Ratio	Lower	Upper	
237	100		
235	63.4	41.1	81.1
272	13.1	0.0	32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#42

2,4,6-Tribromophenol

Concen: 86.678 ng

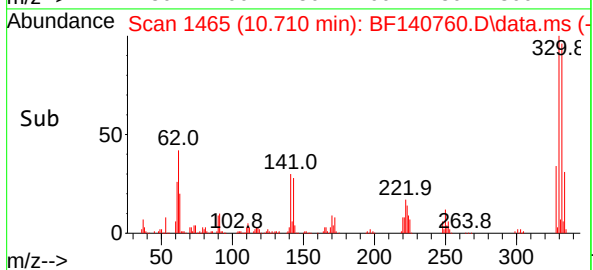
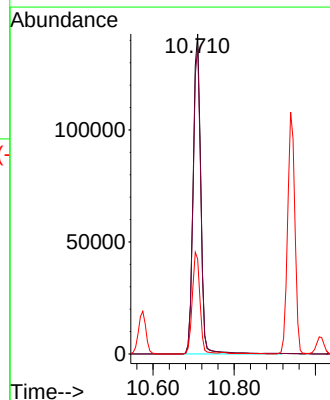
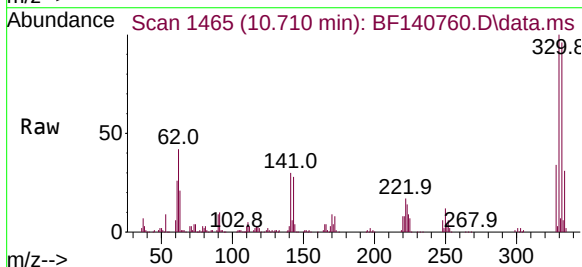
RT: 10.710 min Scan# 1465

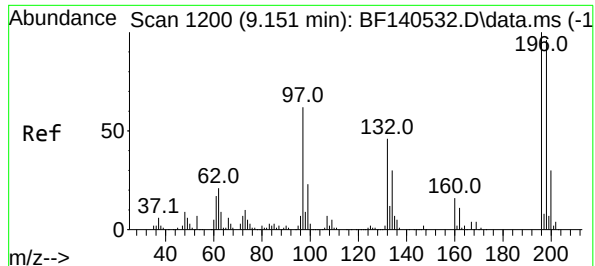
Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Tgt Ion:	330	Resp:	185527
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.9	115.3
141	31.9	26.7	40.1





#43

2,4,6-Trichlorophenol

Concen: 42.399 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 15587

Ion Ratio Lower Upper

196 100

198 95.3 76.8 115.2

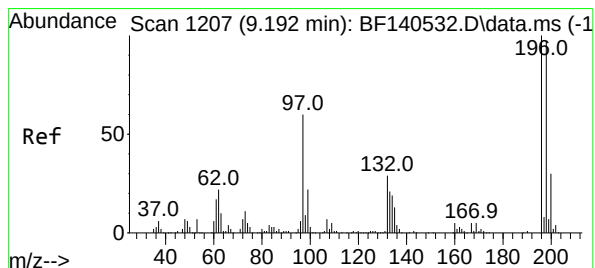
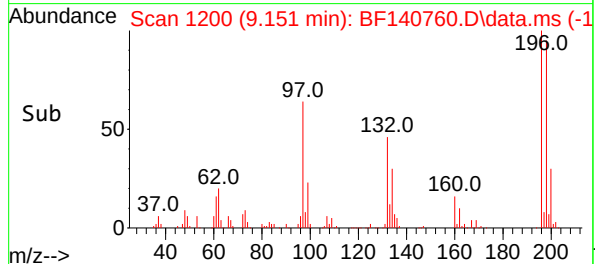
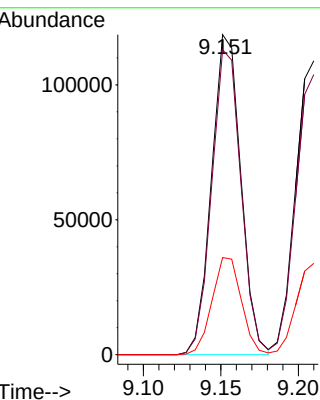
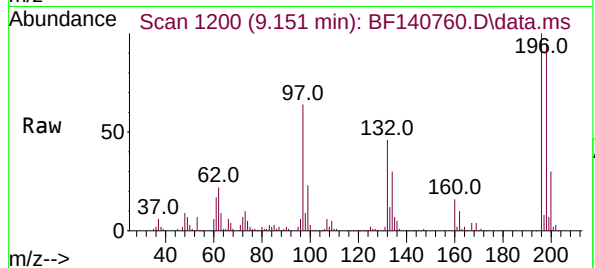
200 30.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#44

2,4,5-Trichlorophenol

Concen: 42.166 ng

RT: 9.210 min Scan# 1210

Delta R.T. 0.018 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Tgt Ion:196 Resp: 168238

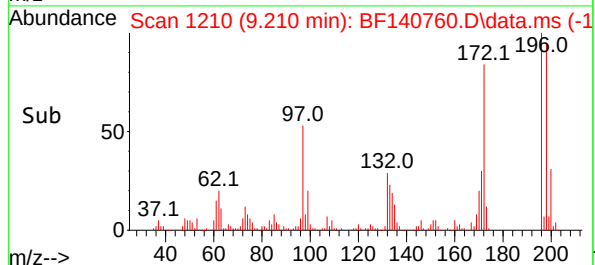
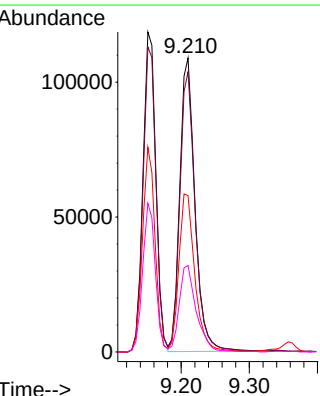
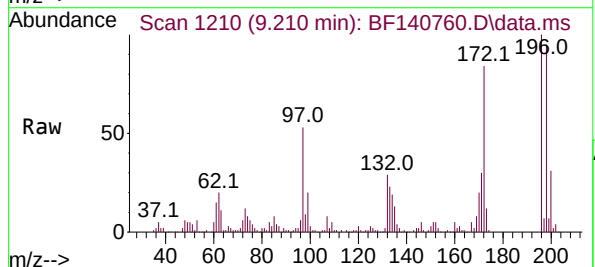
Ion Ratio Lower Upper

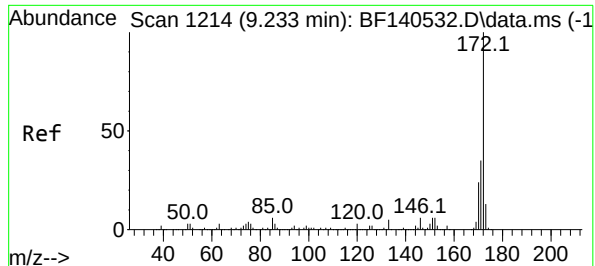
196 100

198 95.3 77.2 115.8

97 53.2 47.1 70.7

132 29.4 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 83.136 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1116690

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

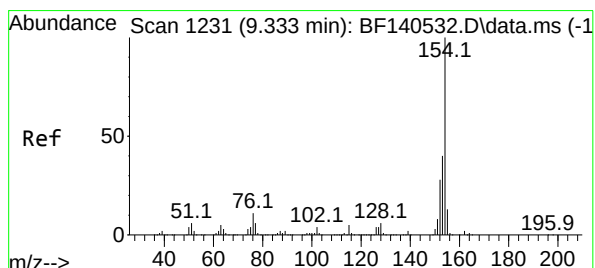
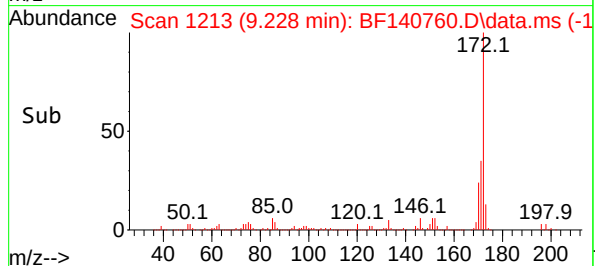
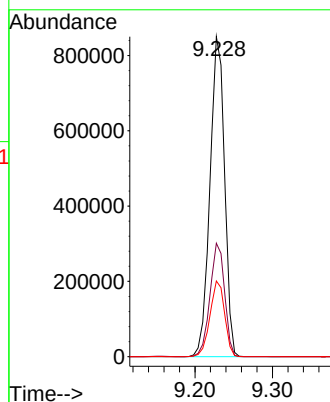
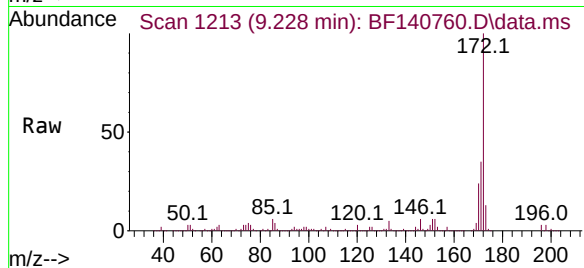
170 23.7 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#46

1,1'-Biphenyl

Concen: 42.115 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

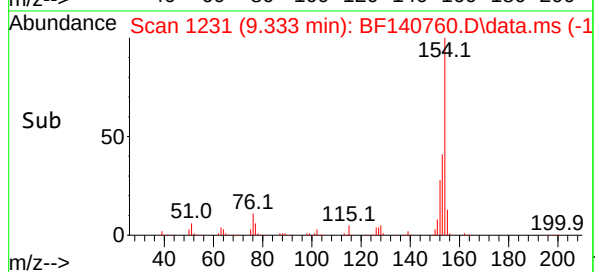
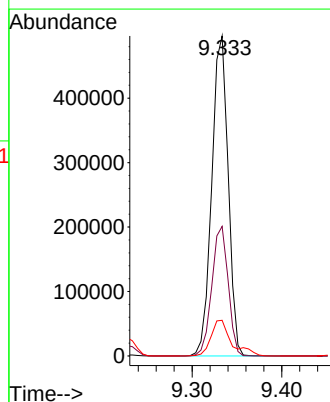
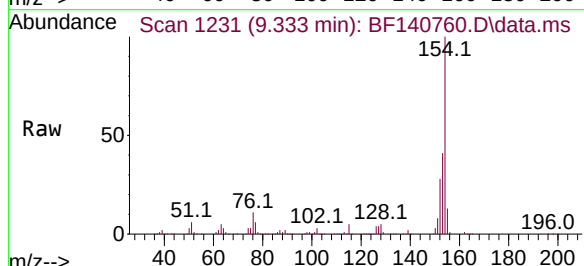
Tgt Ion:154 Resp: 629274

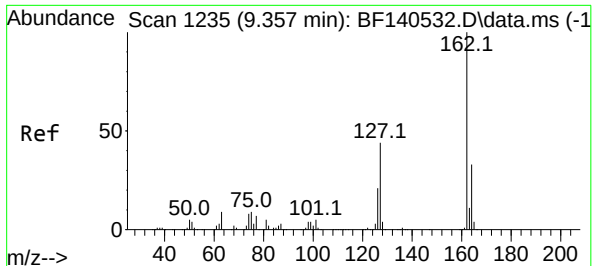
Ion Ratio Lower Upper

154 100

153 40.5 20.4 60.4

76 11.2 0.0 31.2





#47

2-Chloronaphthalene

Concen: 42.156 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 477280

Ion Ratio Lower Upper

162 100

127 44.2 35.7 53.5

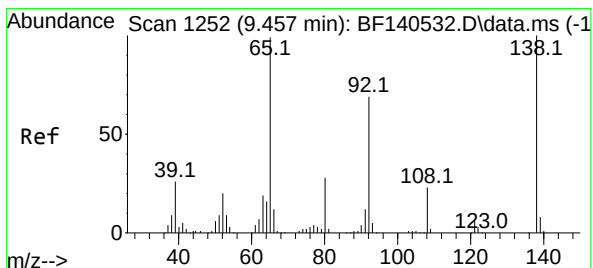
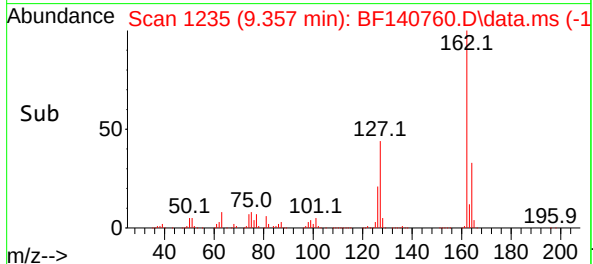
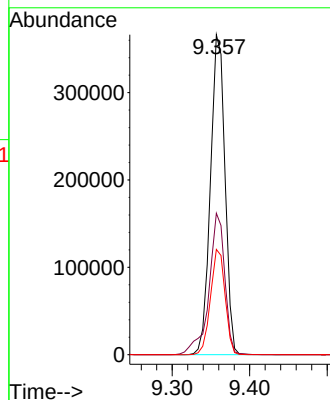
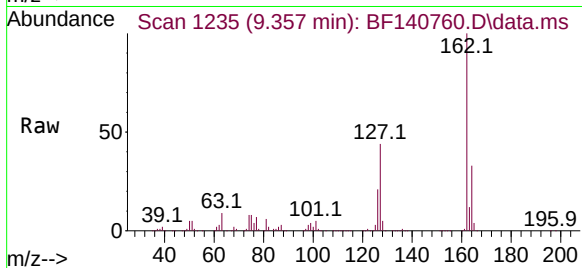
164 32.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#48

2-Nitroaniline

Concen: 40.151 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

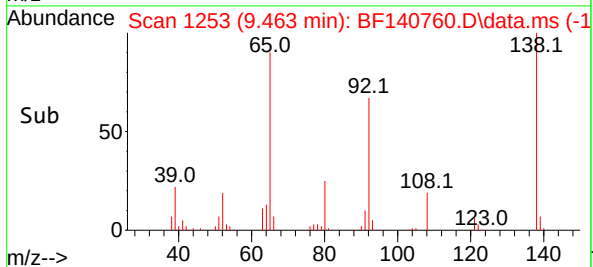
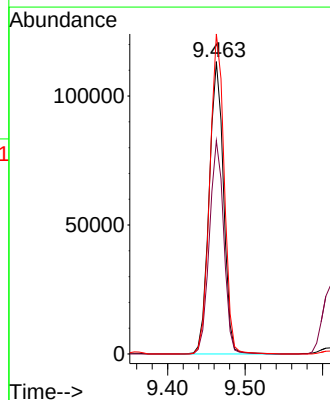
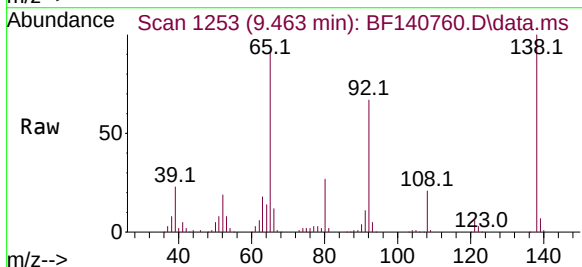
Tgt Ion: 65 Resp: 145911

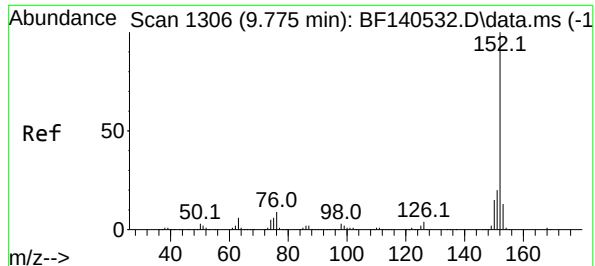
Ion Ratio Lower Upper

65 100

92 72.9 56.1 84.1

138 109.5 81.0 121.6





#49

Acenaphthylene

Concen: 41.916 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 717035

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

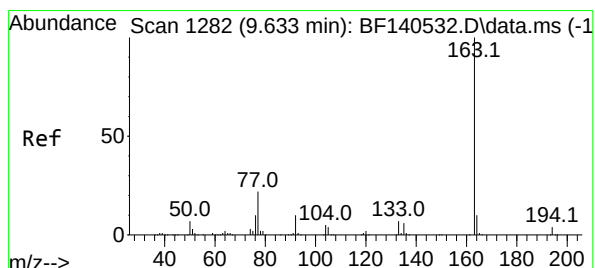
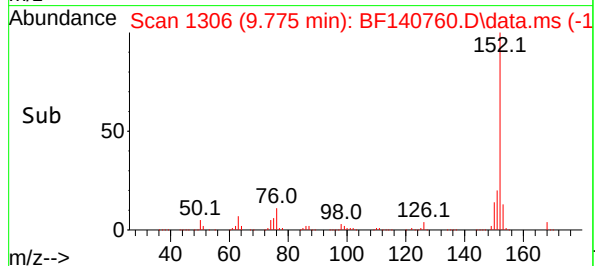
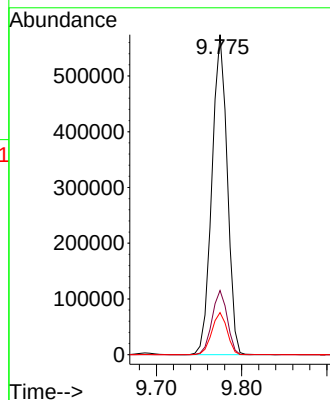
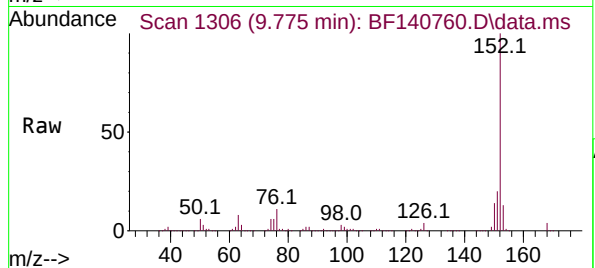
153 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#50

Dimethylphthalate

Concen: 42.765 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

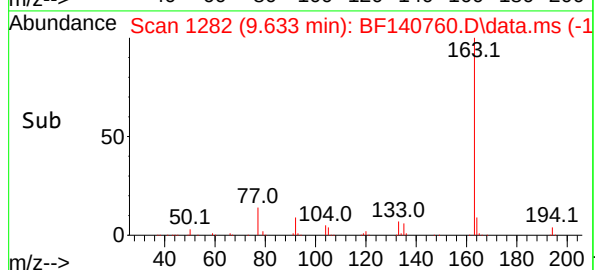
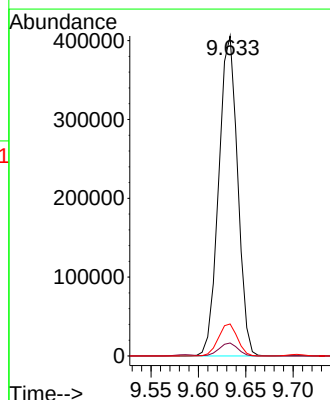
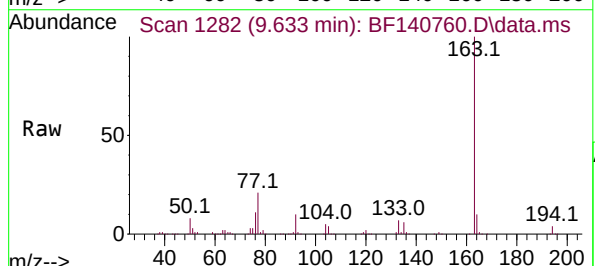
Tgt Ion:163 Resp: 563665

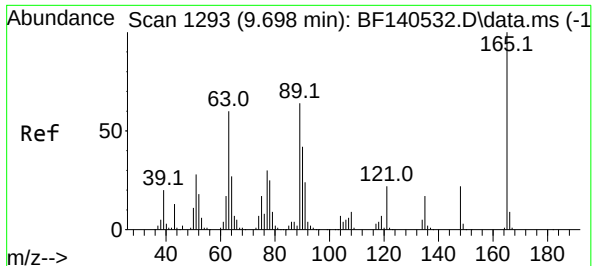
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.2 12.2





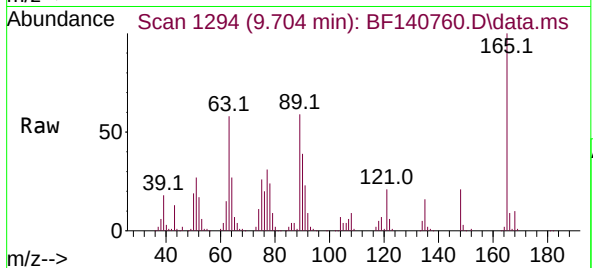
#51
2,6-Dinitrotoluene
Concen: 42.697 ng
RT: 9.704 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

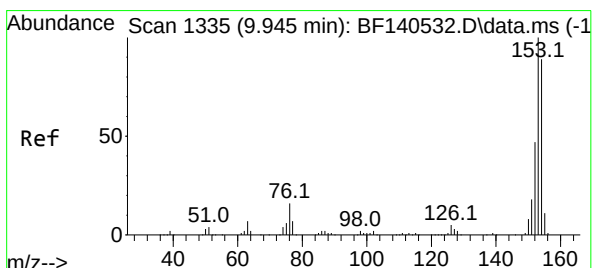
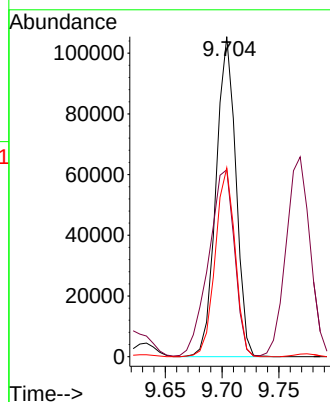
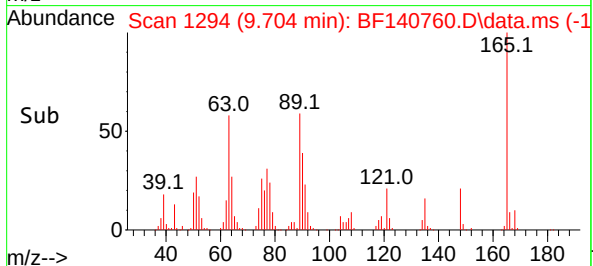


Tgt Ion:165 Resp: 127633
Ion Ratio Lower Upper
165 100
63 58.4 49.9 74.9
89 59.0 50.9 76.3

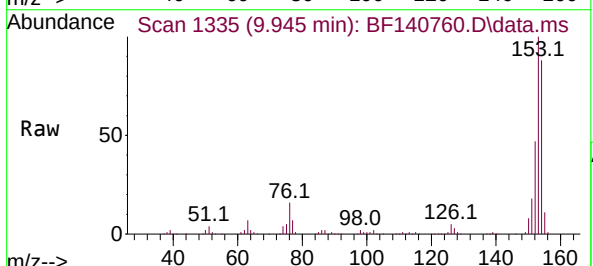
Manual Integrations

APPROVED

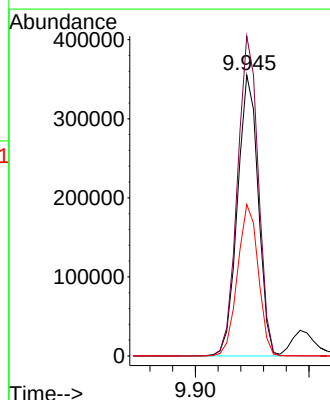
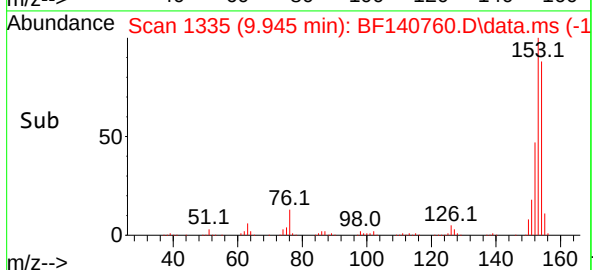
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

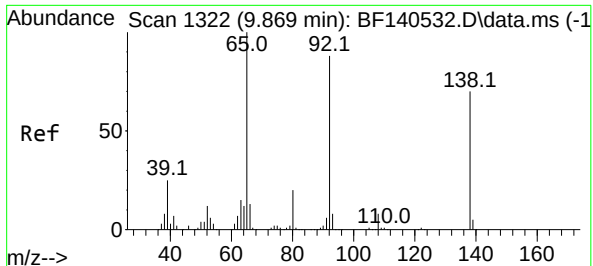


#52
Acenaphthene
Concen: 41.551 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08



Tgt Ion:154 Resp: 451633
Ion Ratio Lower Upper
154 100
153 113.9 89.7 134.5
152 53.9 42.5 63.7





#53

3-Nitroaniline

Concen: 42.347 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 123808

Ion Ratio Lower Upper

138 100

108 11.5 9.2 13.8

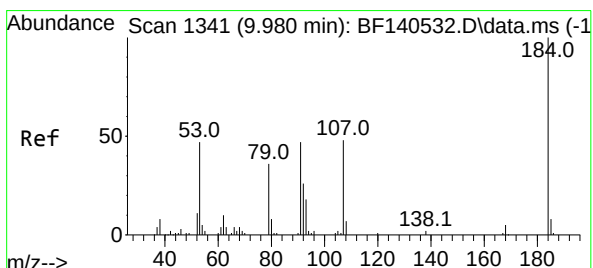
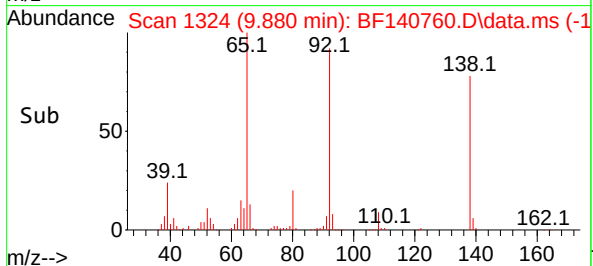
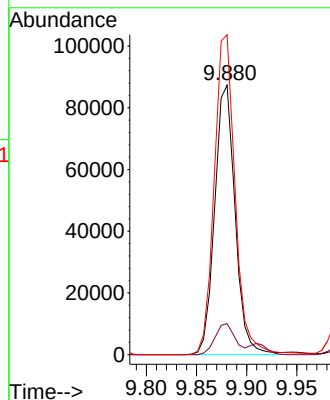
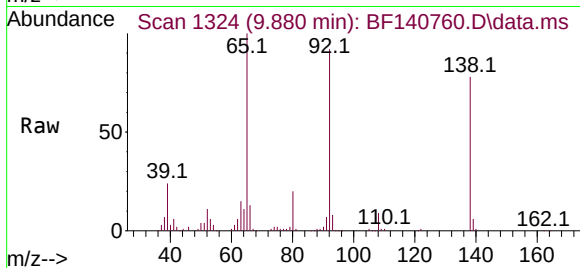
92 118.8 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#54

2,4-Dinitrophenol

Concen: 51.248 ng

RT: 9.992 min Scan# 1343

Delta R.T. 0.012 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

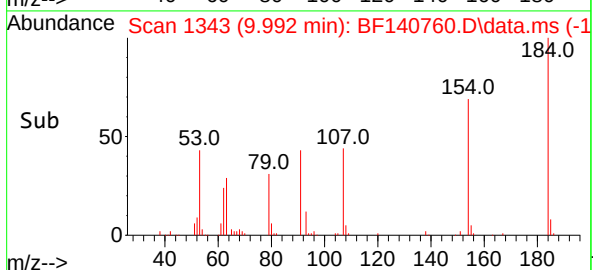
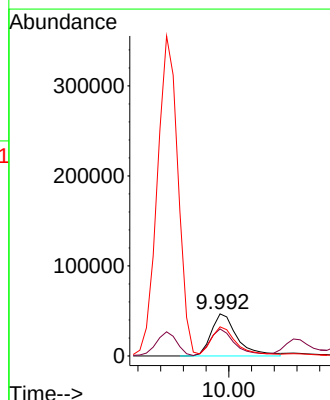
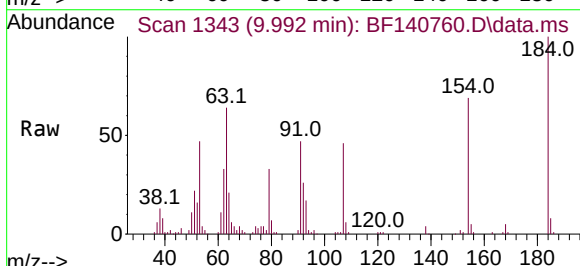
Tgt Ion:184 Resp: 74516

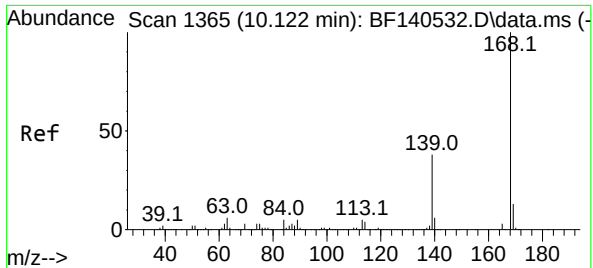
Ion Ratio Lower Upper

184 100

63 64.3 54.1 81.1

154 69.0 57.4 86.0





#55

Dibenzo(furan)

Concen: 40.992 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140760.D

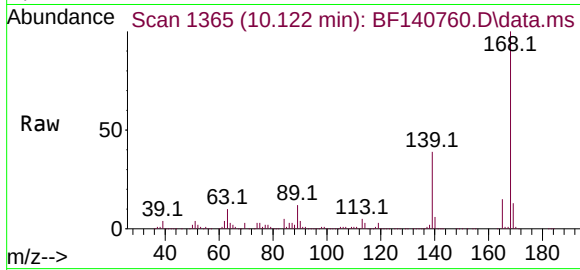
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:168 Resp: 679609

Ion Ratio Lower Upper

168 100

139 39.5 31.3 46.9

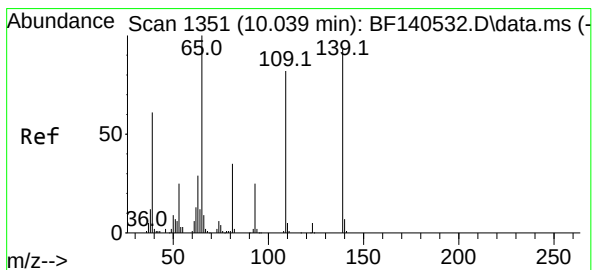
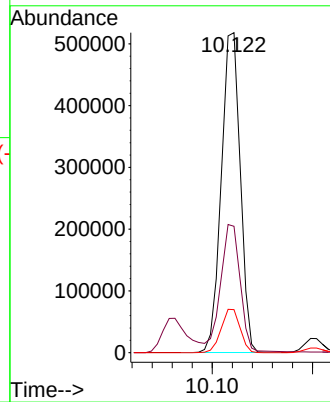
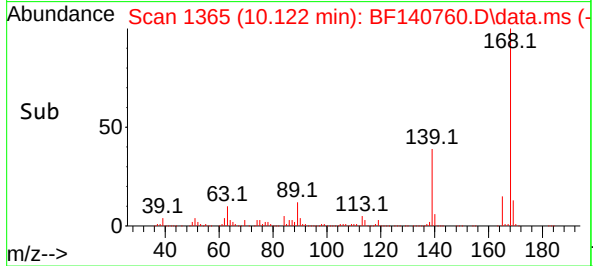
169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#56

4-Nitrophenol

Concen: 50.328 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.024 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

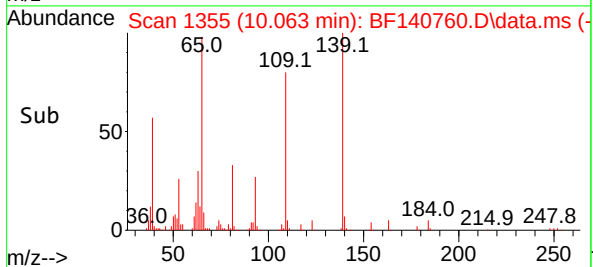
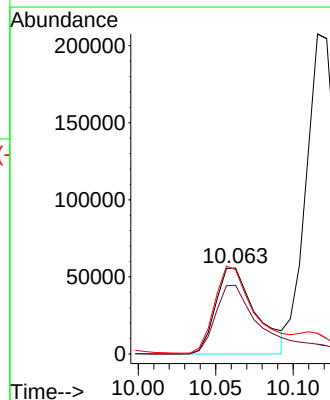
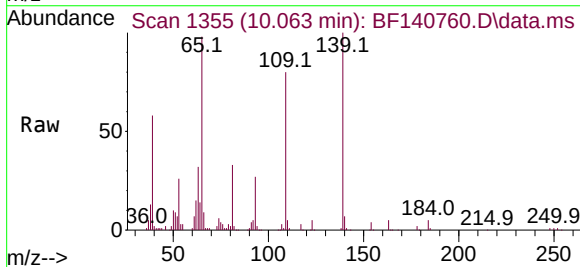
Tgt Ion:139 Resp: 100350

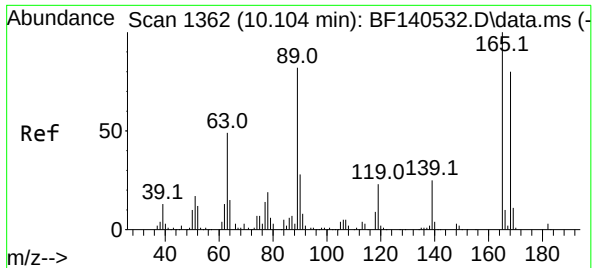
Ion Ratio Lower Upper

139 100

109 79.9 68.4 108.4

65 98.2 88.6 128.6





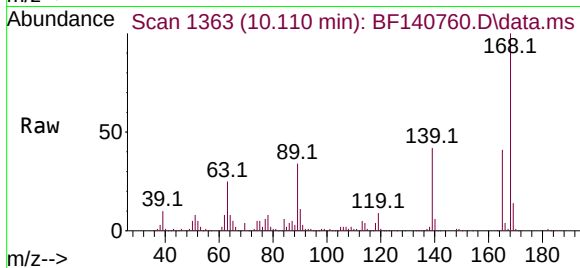
#57
2,4-Dinitrotoluene
Concen: 43.077 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

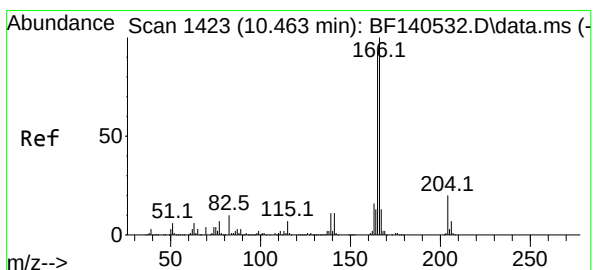
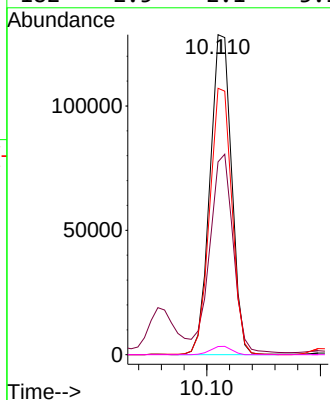
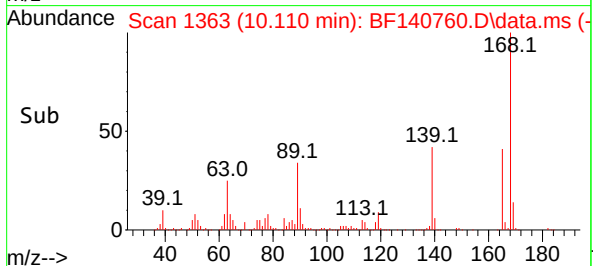


Tgt Ion:165 Resp: 17113
Ion Ratio Lower Upper
165 100
63 60.2 41.7 62.5
89 83.2 65.8 98.8
182 2.5 2.1 3.1

Manual Integrations

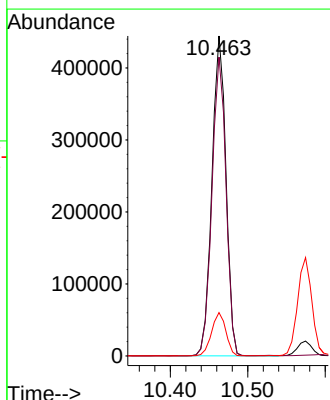
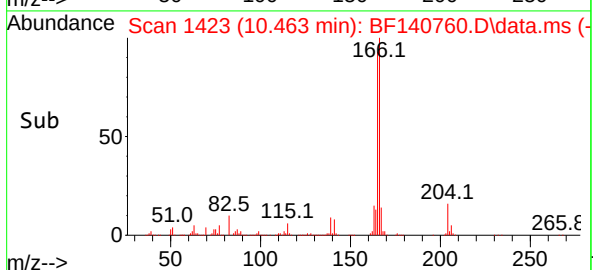
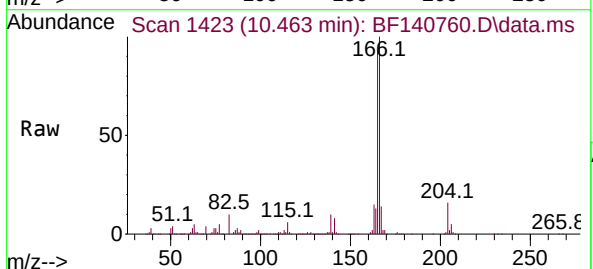
APPROVED

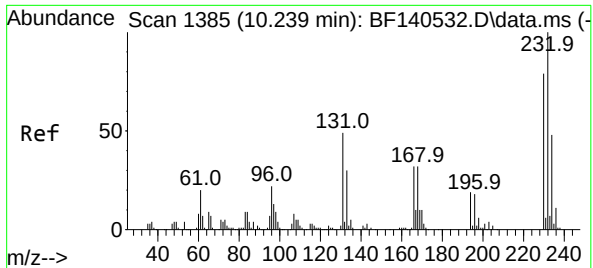
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#58
Fluorene
Concen: 42.119 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

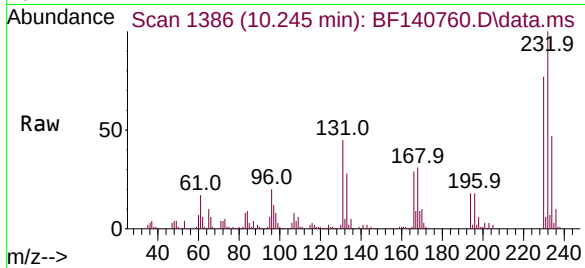
Tgt Ion:166 Resp: 560503
Ion Ratio Lower Upper
166 100
165 93.4 74.6 111.8
167 13.5 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.618 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

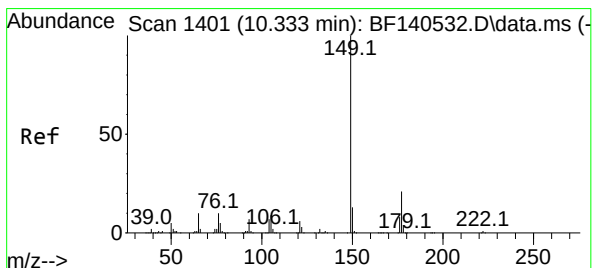
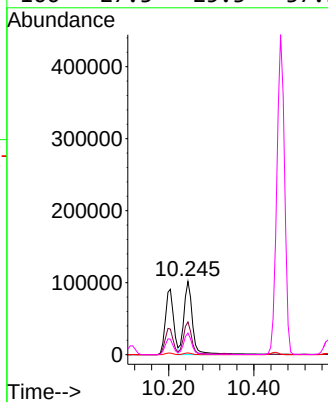
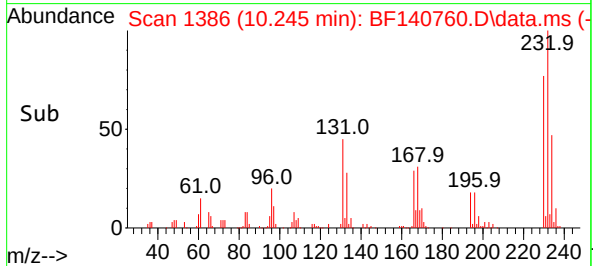
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 142948
Ion Ratio Lower Upper
232 100
131 42.3 39.6 59.4
130 2.2 1.9 2.9
166 27.3 25.3 37.9

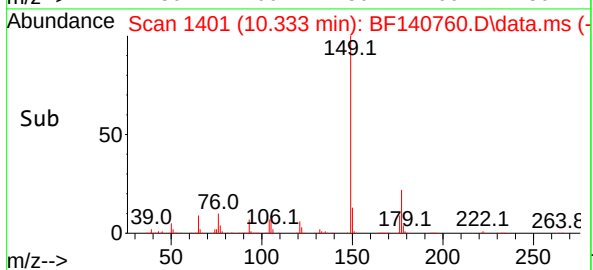
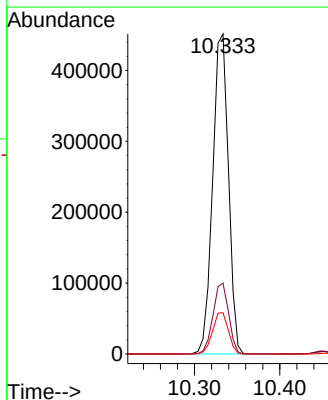
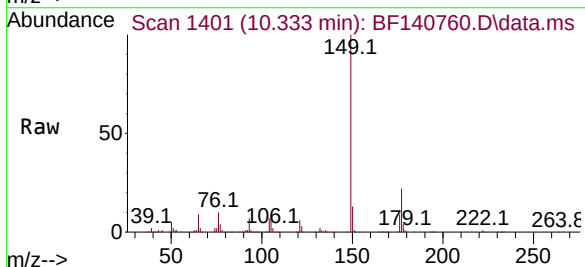
Manual Integrations
APPROVED

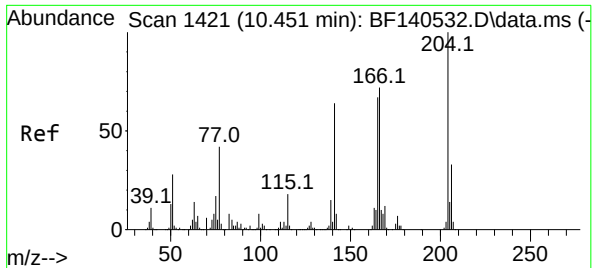
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#60
Diethylphthalate
Concen: 43.342 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

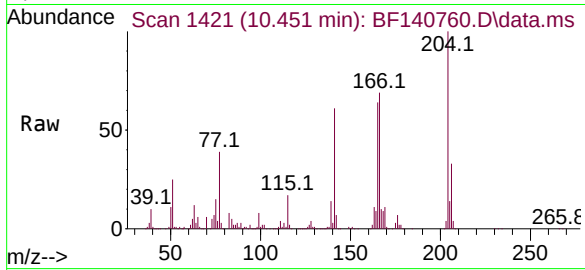
Tgt Ion:149 Resp: 580417
Ion Ratio Lower Upper
149 100
177 22.1 17.1 25.7
150 12.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.094 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

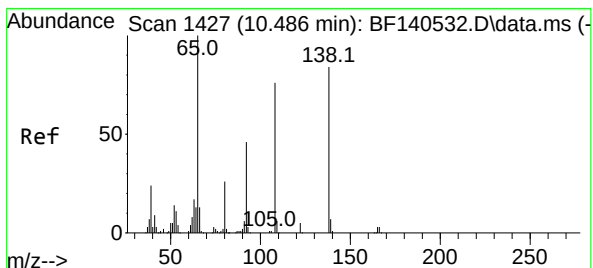
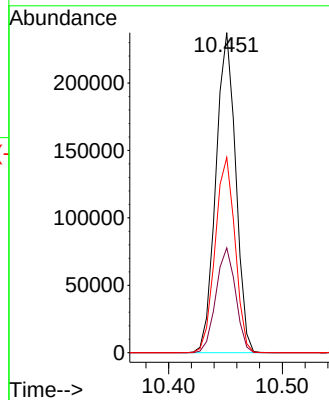
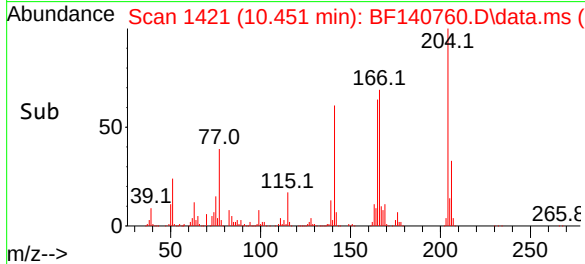
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 287968
Ion Ratio Lower Upper
204 100
206 32.7 26.6 40.0
141 61.0 51.1 76.7

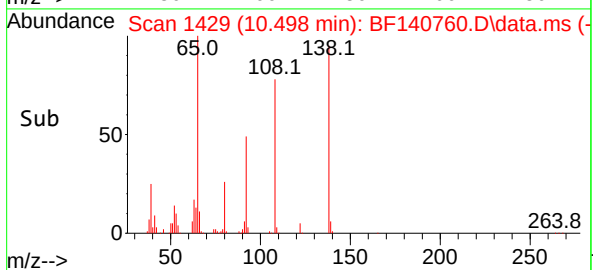
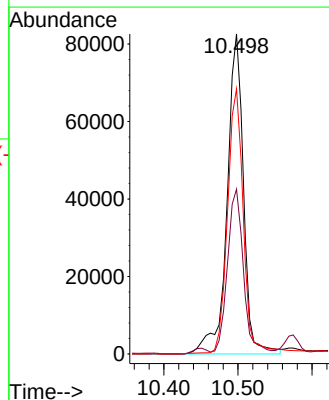
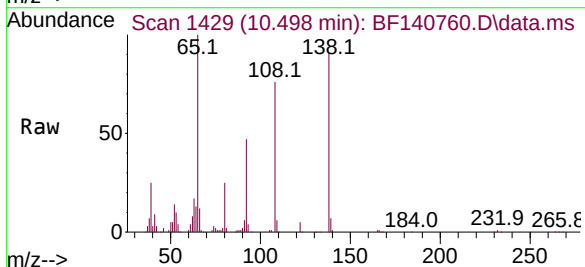
Manual Integrations
APPROVED

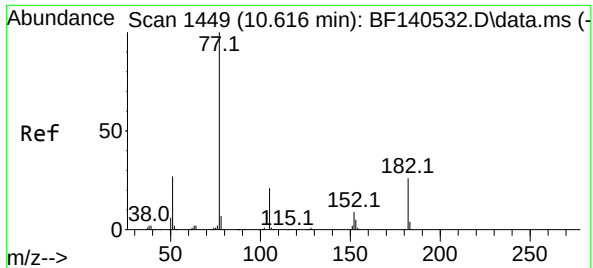
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#62
4-Nitroaniline
Concen: 41.509 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

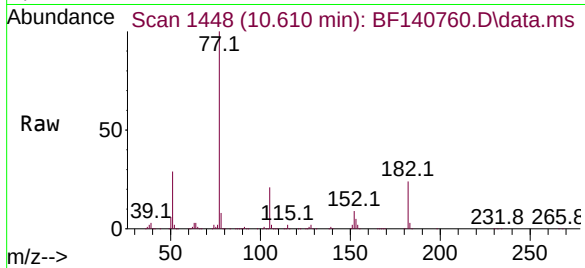
Tgt Ion:138 Resp: 127283
Ion Ratio Lower Upper
138 100
92 51.5 34.5 74.5
108 82.9 70.6 110.6





#63
Azobenzene
Concen: 42.261 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

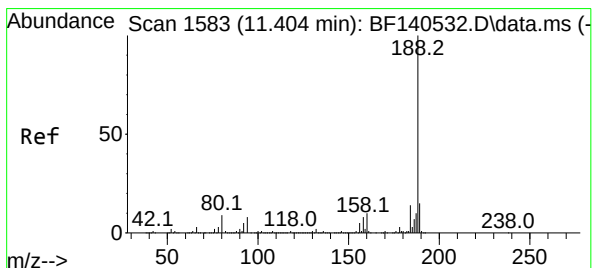
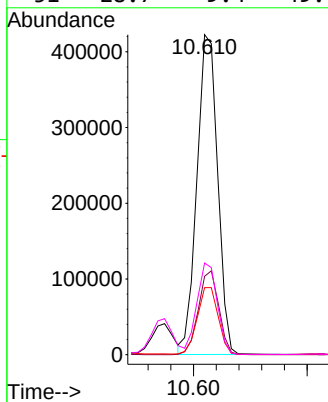
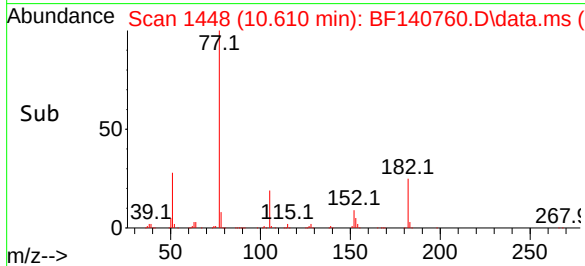
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



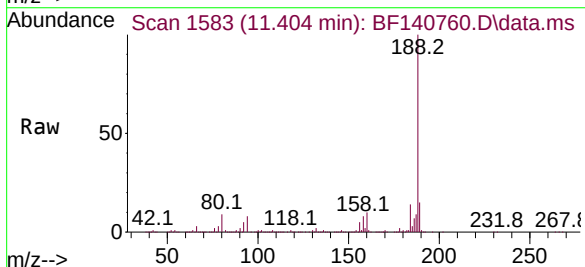
Tgt Ion: 77 Resp: 53594
Ion Ratio Lower Upper
77 100
182 24.5 5.3 45.3
105 20.9 0.3 40.3
51 28.7 9.4 49.4

Manual Integrations
APPROVED

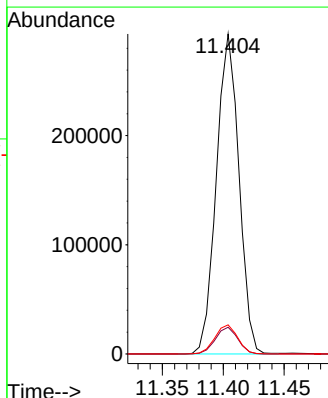
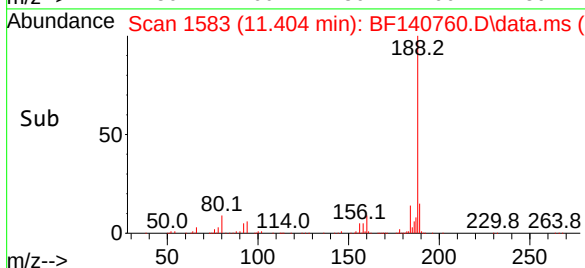
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

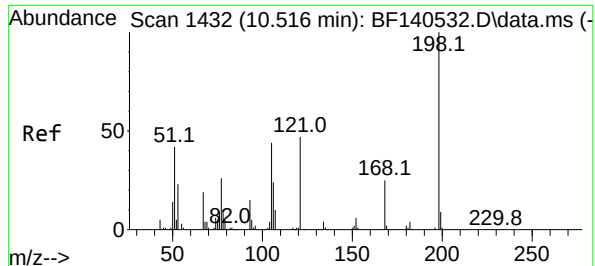


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08



Tgt Ion:188 Resp: 378576
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.1 6.9 10.3





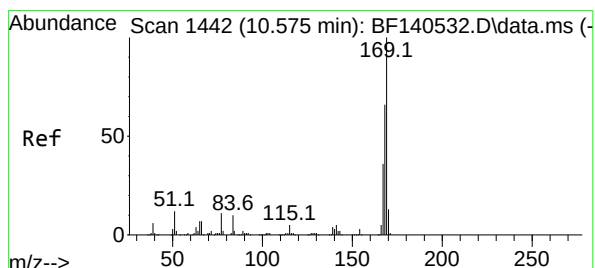
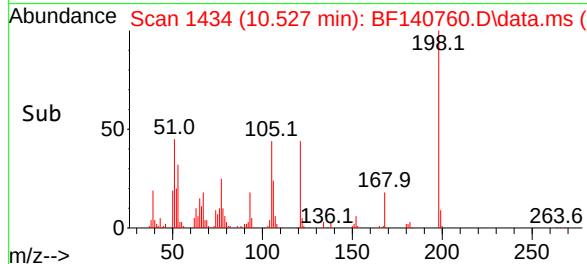
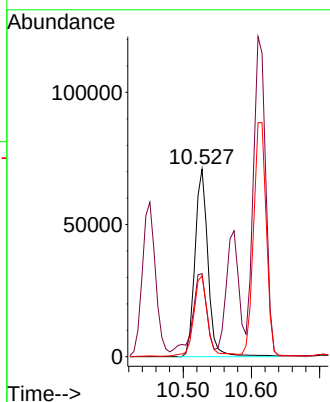
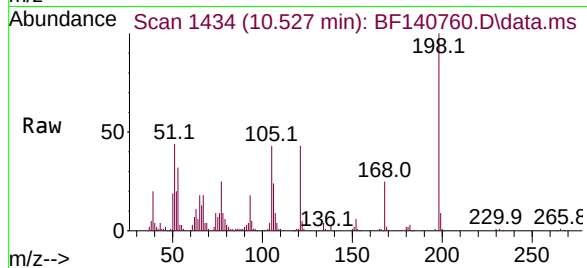
#65
4,6-Dinitro-2-methylphenol
Concen: 48.729 ng
RT: 10.527 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 94268
Ion Ratio Lower Upper
198 100
51 44.3 29.4 69.4
105 43.1 25.4 65.4

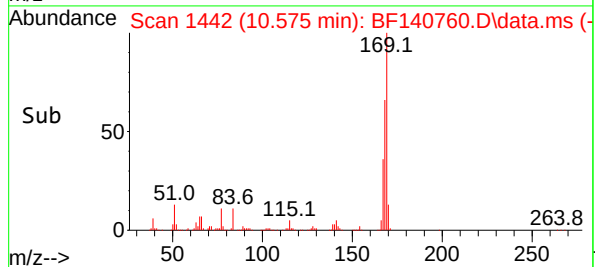
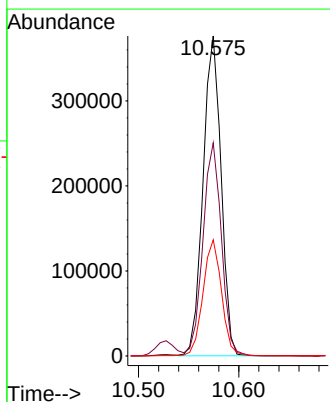
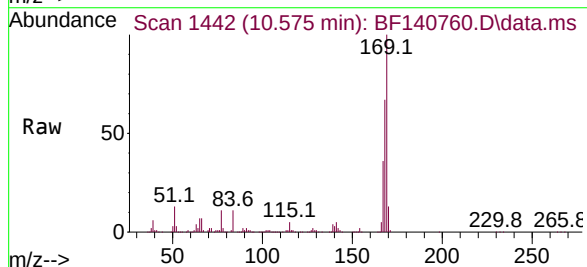
Manual Integrations
APPROVED

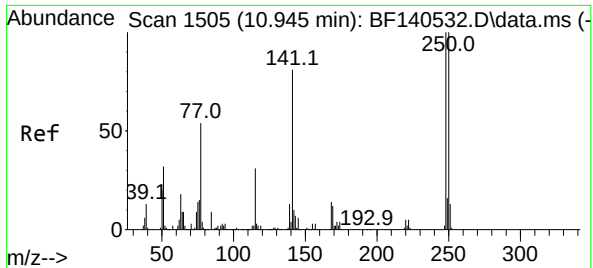
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#66
n-Nitrosodiphenylamine
Concen: 42.074 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

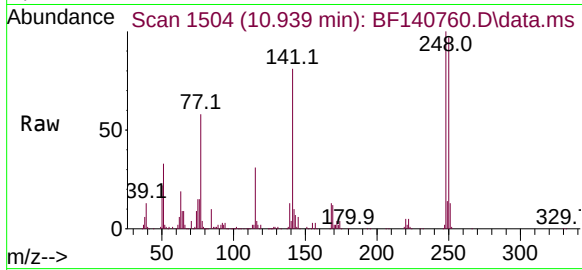
Tgt Ion:169 Resp: 471041
Ion Ratio Lower Upper
169 100
168 66.6 53.2 79.8
167 36.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 44.407 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

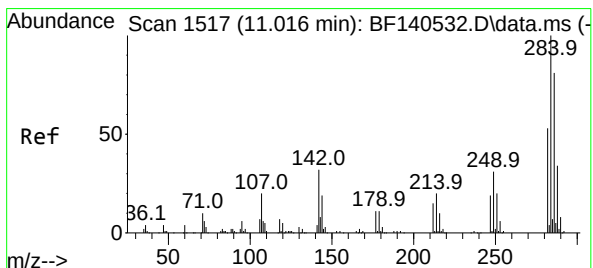
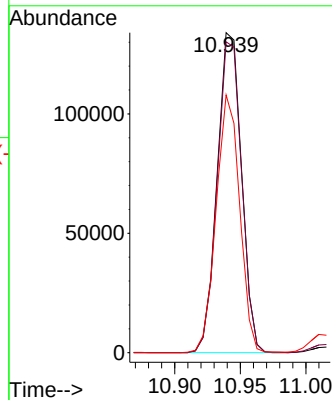
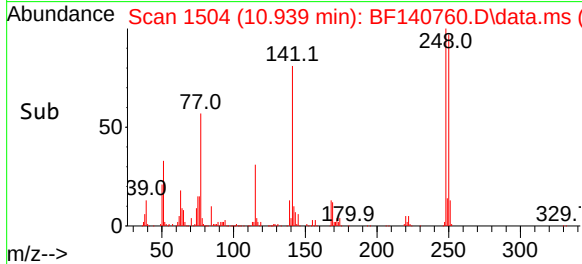
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



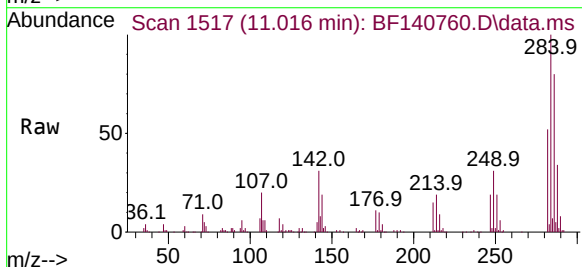
Tgt Ion:248 Resp: 17313
Ion Ratio Lower Upper
248 100
250 97.1 79.8 119.8
141 80.6 64.7 97.1

Manual Integrations
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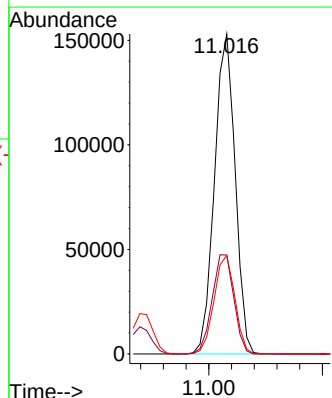
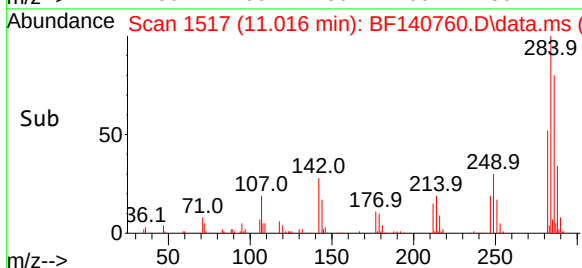
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

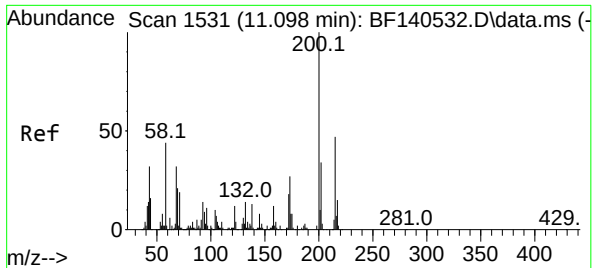


#68
Hexachlorobenzene
Concen: 42.749 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08



Tgt Ion:284 Resp: 192983
Ion Ratio Lower Upper
284 100
142 30.9 25.3 37.9
249 30.8 24.8 37.2





#69

Atrazine

Concen: 33.976 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 107009

Ion Ratio Lower Upper

200 100

173 26.9 7.0 47.0

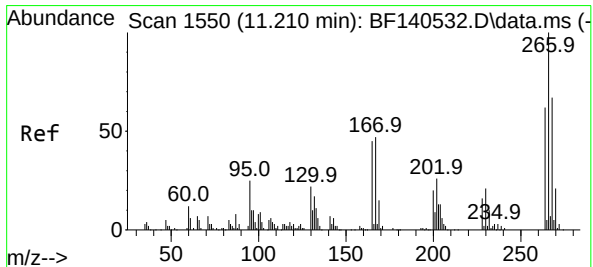
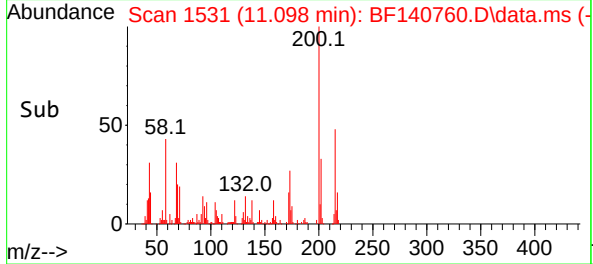
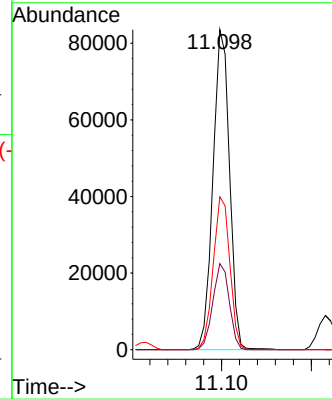
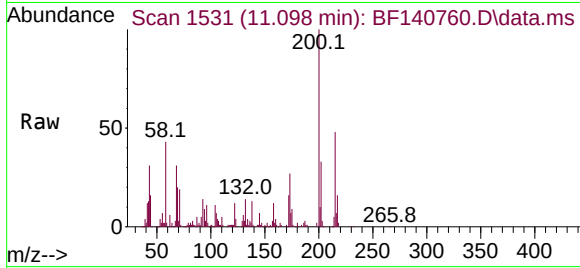
215 47.8 26.7 66.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#70

Pentachlorophenol

Concen: 41.011 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

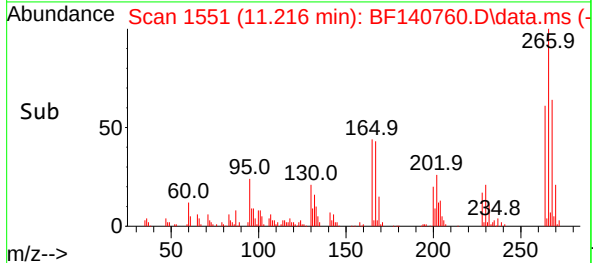
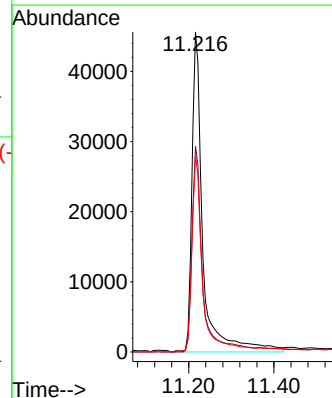
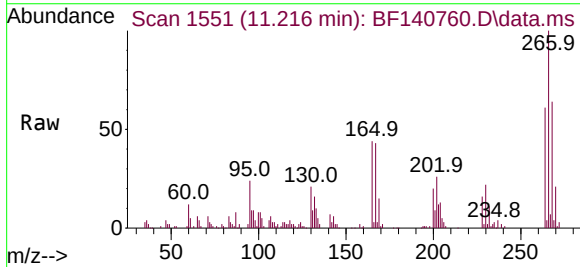
Tgt Ion:266 Resp: 81485

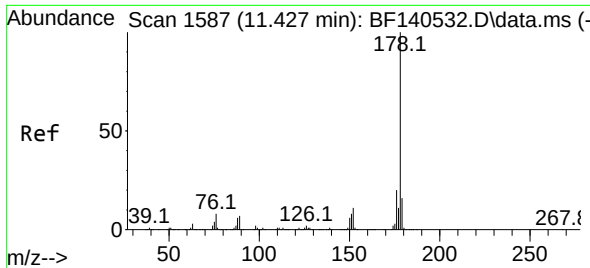
Ion Ratio Lower Upper

266 100

268 64.3 53.7 80.5

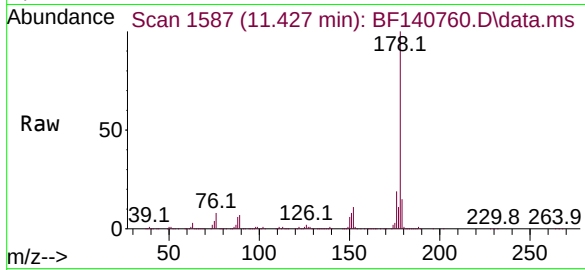
264 61.2 49.8 74.8





#71
Phenanthrene
Concen: 42.080 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

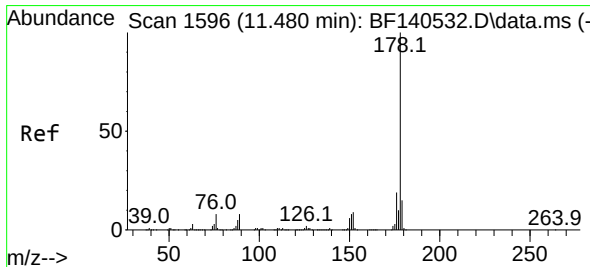
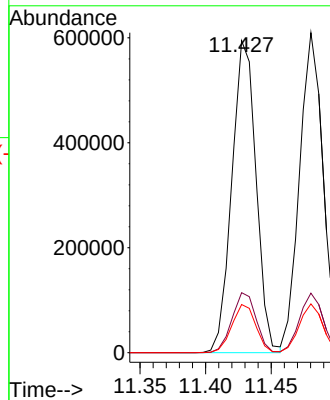
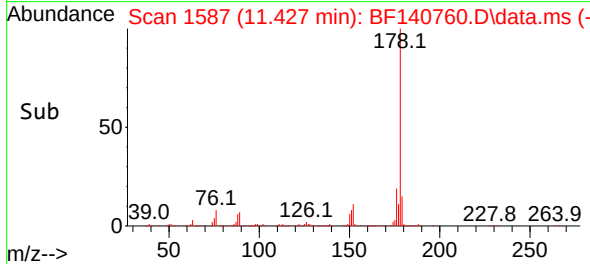
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



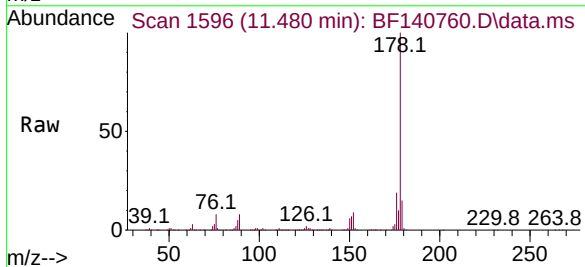
Tgt Ion:178 Resp: 76577
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.5 12.4 18.6

Manual Integrations
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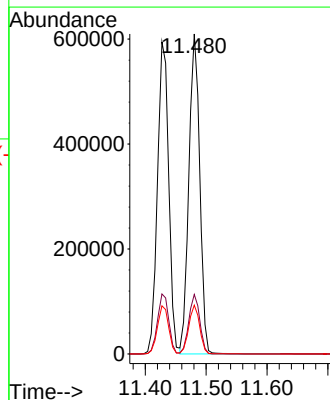
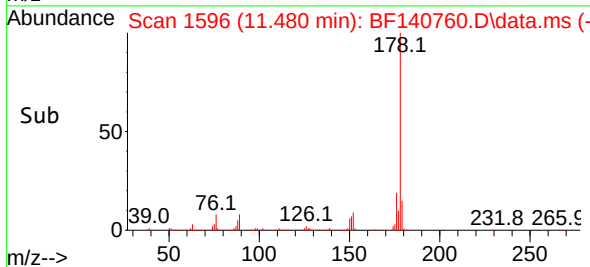
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

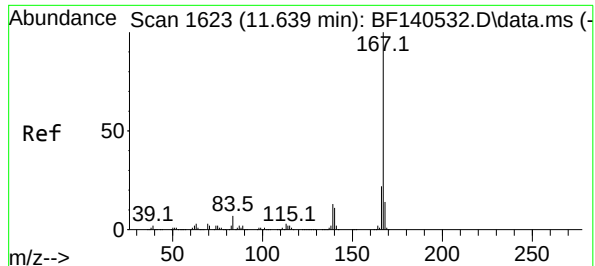


#72
Anthracene
Concen: 42.585 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08



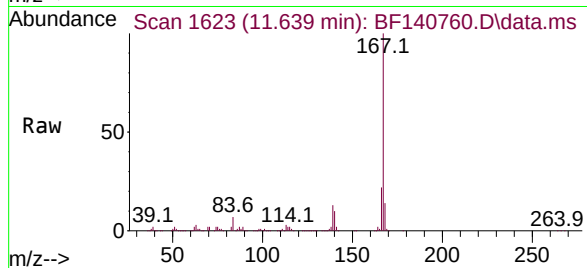
Tgt Ion:178 Resp: 758054
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.2 12.2 18.4





#73
Carbazole
Concen: 42.809 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

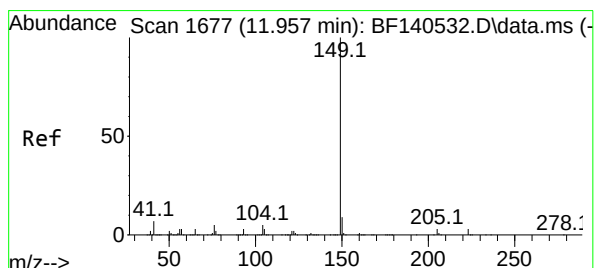
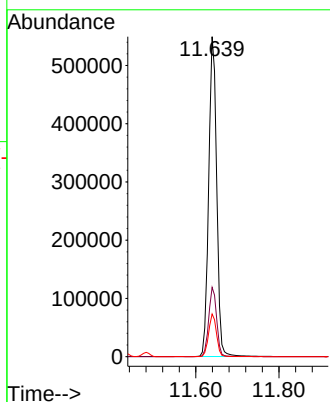
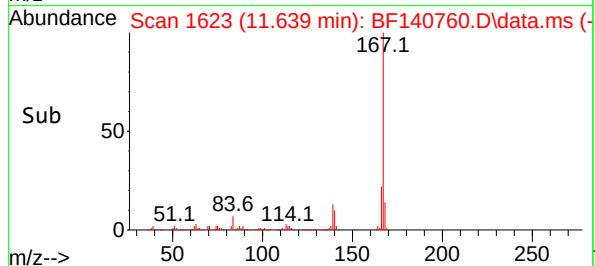
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 73308
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 13.3 10.6 15.8

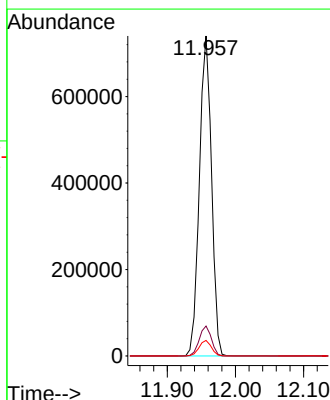
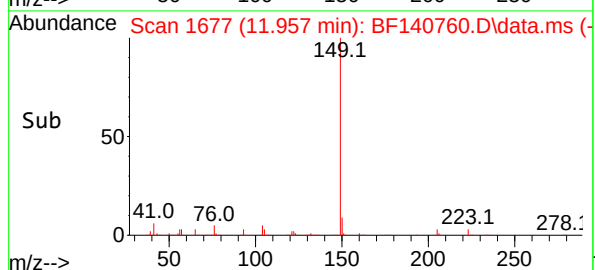
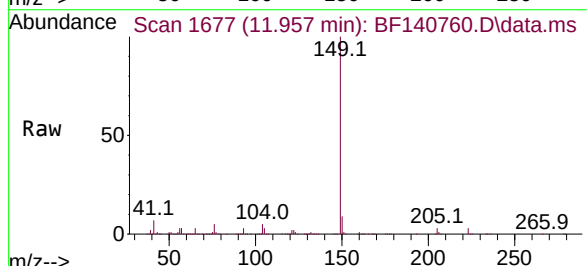
Manual Integrations
APPROVED

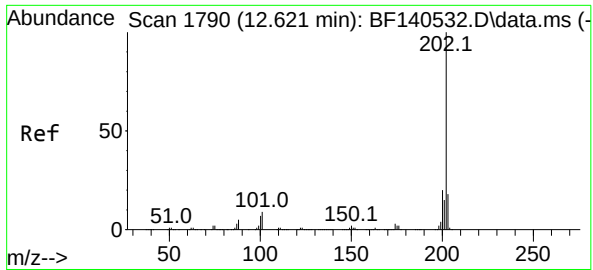
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#74
Di-n-butylphthalate
Concen: 46.268 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

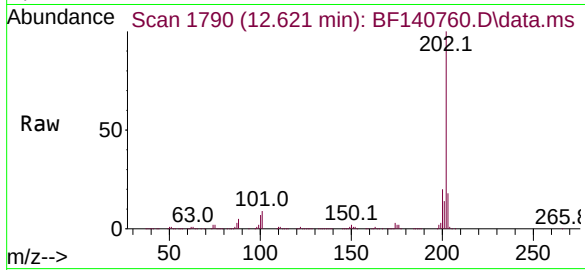
Tgt Ion:149 Resp: 914738
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 44.016 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

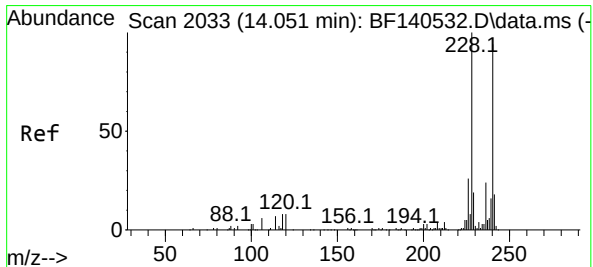
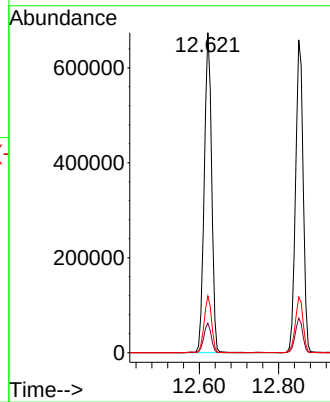
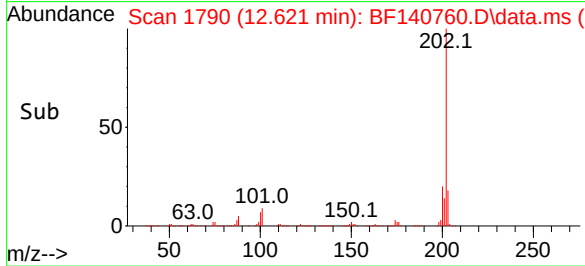
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 869670
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.9
203 17.7 0.0 37.6

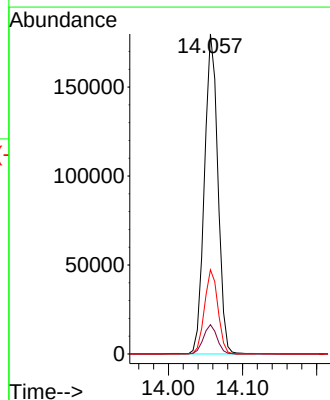
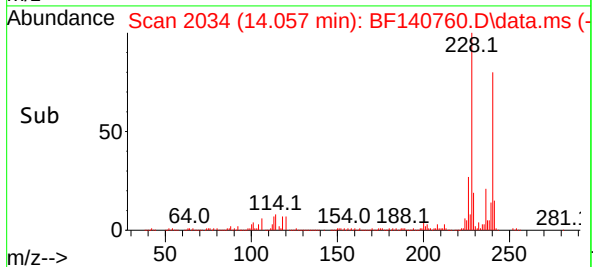
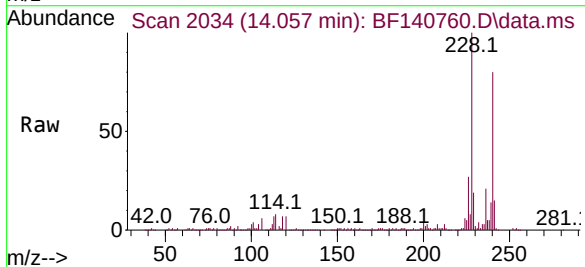
Manual Integrations
APPROVED

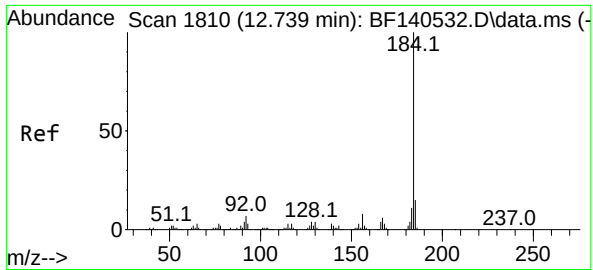
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

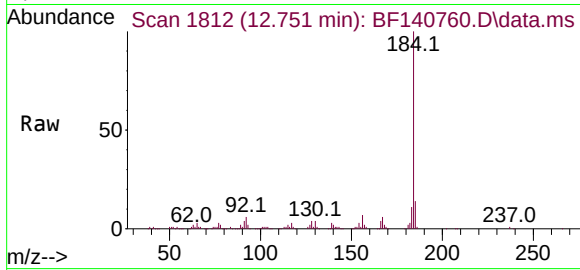
Tgt Ion:240 Resp: 226669
Ion Ratio Lower Upper
240 100
120 9.2 7.3 10.9
236 26.3 20.6 31.0





#77
Benzidine
Concen: 38.204 ng
RT: 12.751 min Scan# 1812
Delta R.T. 0.012 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

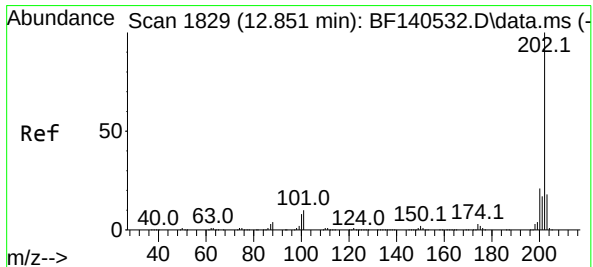
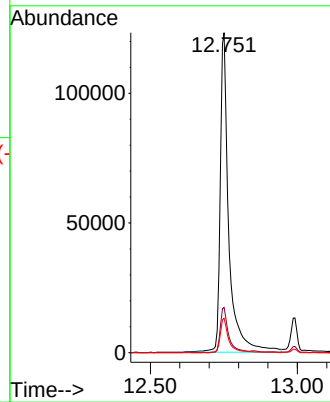
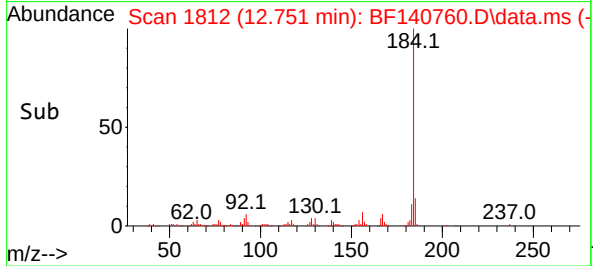
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 25177
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 10.7 8.8 13.2

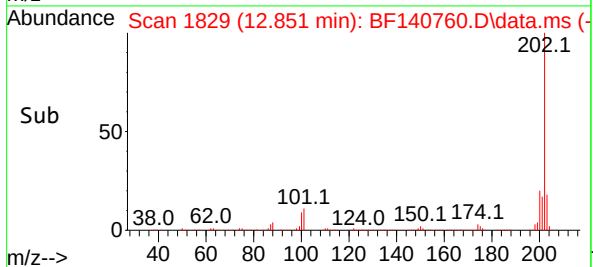
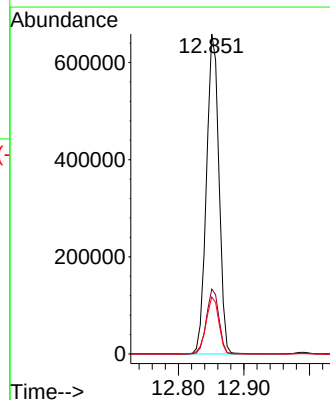
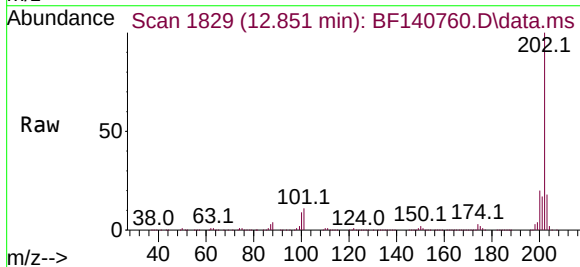
Manual Integrations
APPROVED

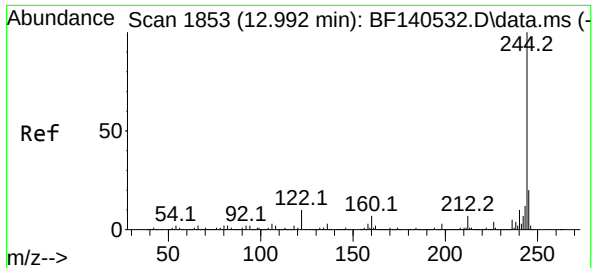
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#78
Pyrene
Concen: 41.551 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

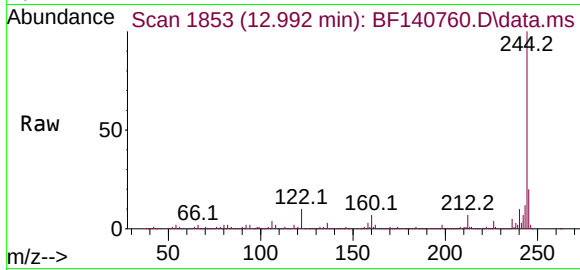
Tgt Ion:202 Resp: 870836
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 17.8 14.2 21.4





#79
Terphenyl-d14
Concen: 84.481 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

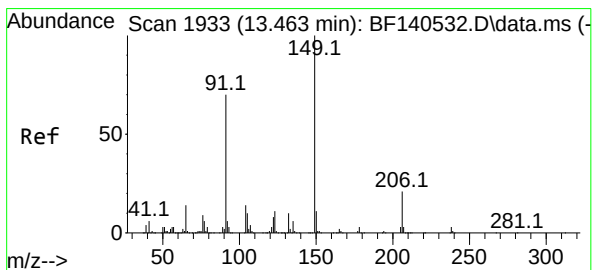
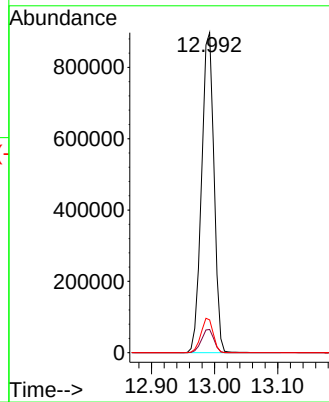
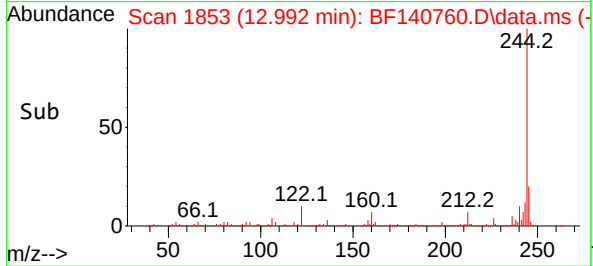
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:244 Resp: 122977
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 10.3 8.0 12.0

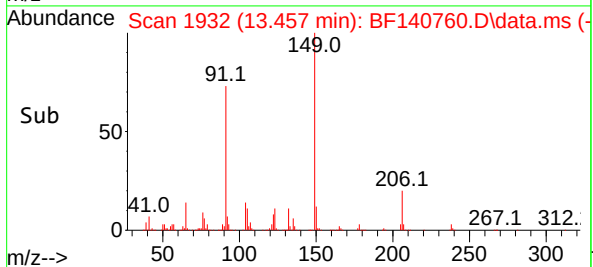
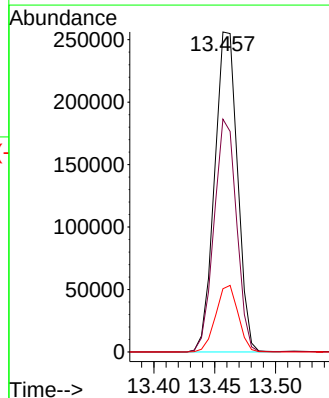
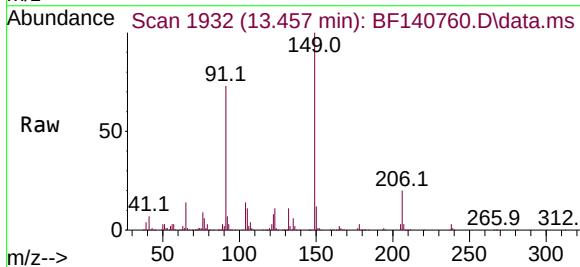
Manual Integrations
APPROVED

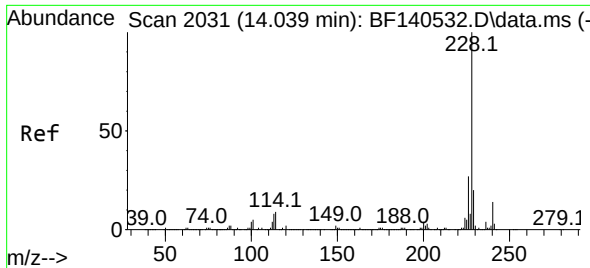
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#80
Butylbenzylphthalate
Concen: 44.480 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

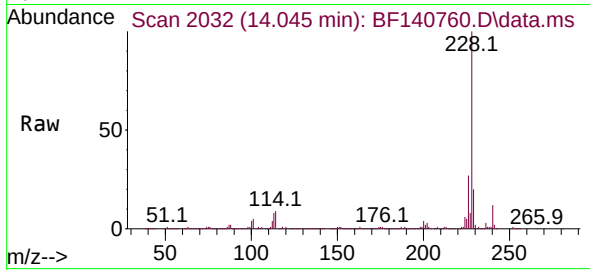
Tgt Ion:149 Resp: 335823
Ion Ratio Lower Upper
149 100
91 72.8 56.2 84.2
206 19.8 16.4 24.6





#81
Benzo(a)anthracene
Concen: 42.005 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

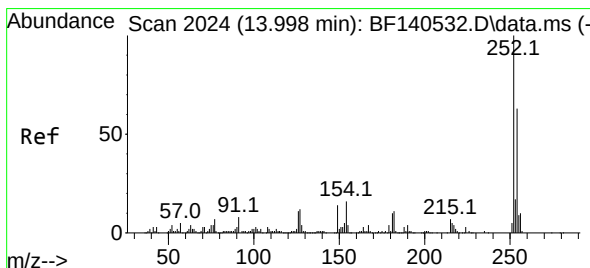
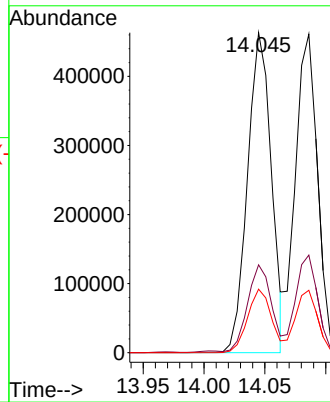
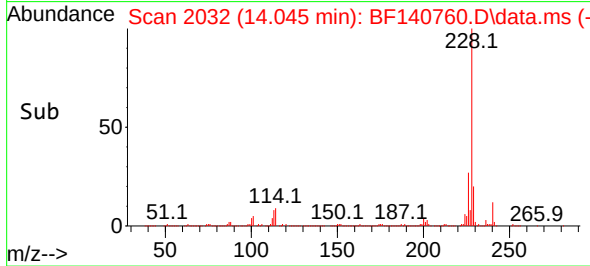
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



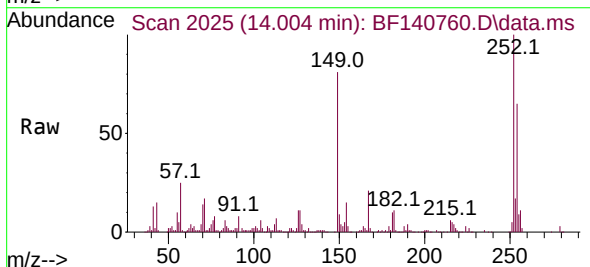
Tgt Ion:228 Resp: 630269
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 19.8 15.8 23.6

Manual Integrations
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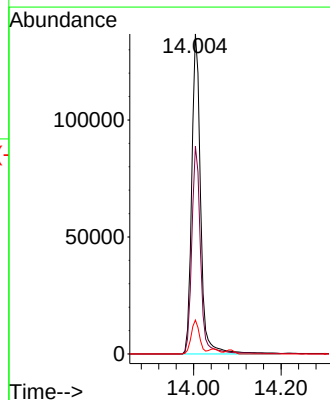
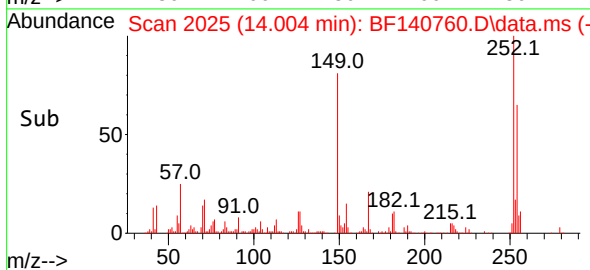
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

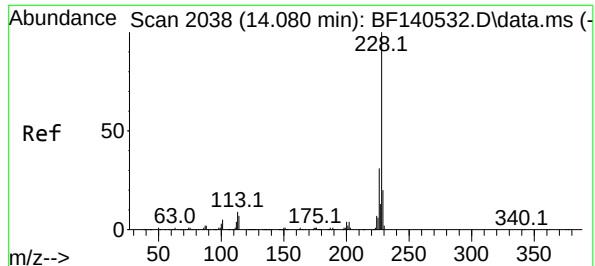


#82
3,3'-Dichlorobenzidine
Concen: 42.973 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08



Tgt Ion:252 Resp: 193591
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 10.6 8.6 13.0





#83

Chrysene

Concen: 42.841 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 58777

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

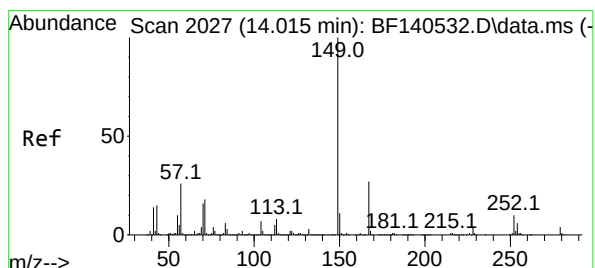
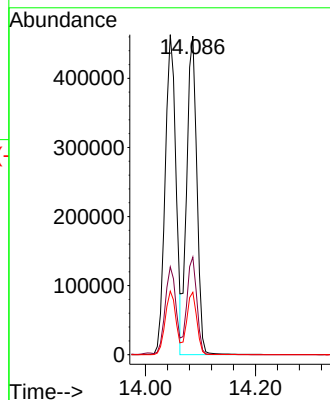
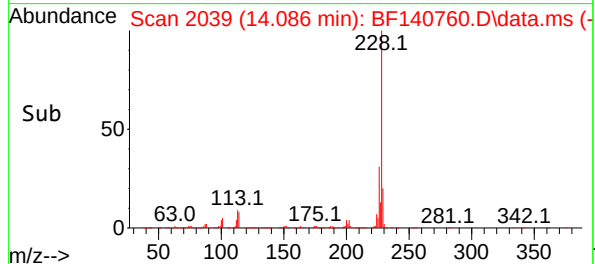
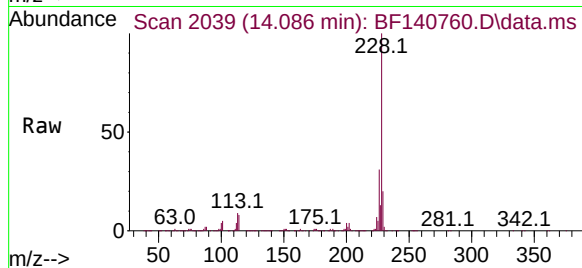
229 19.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.886 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

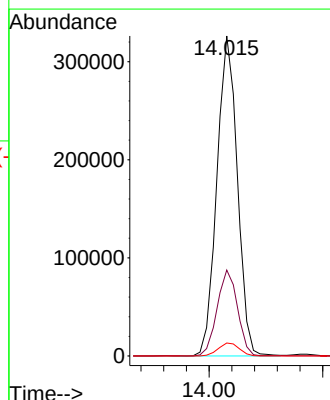
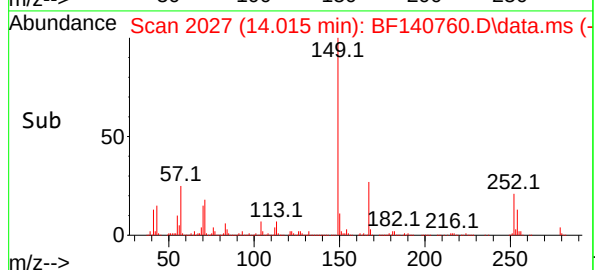
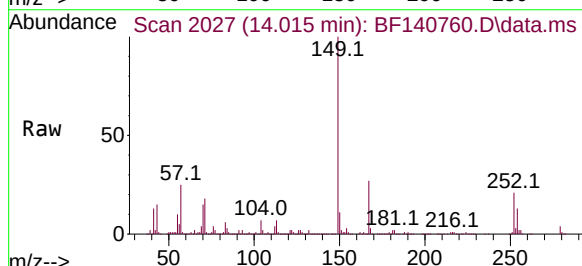
Tgt Ion:149 Resp: 408858

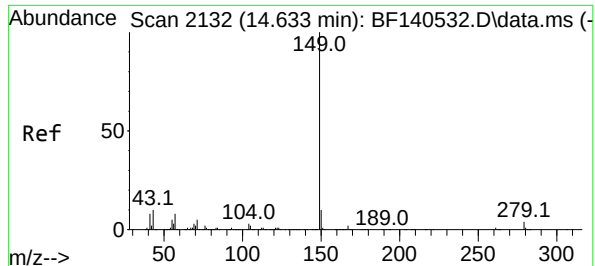
Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

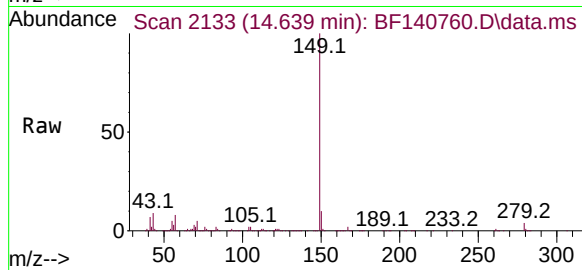
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 44.010 ng
RT: 14.639 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

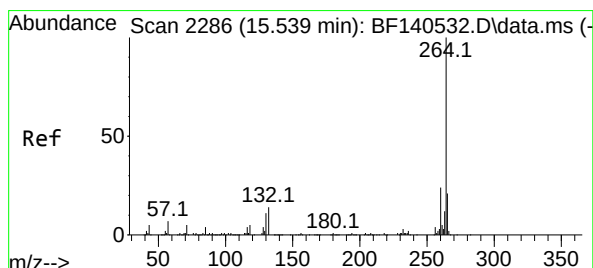
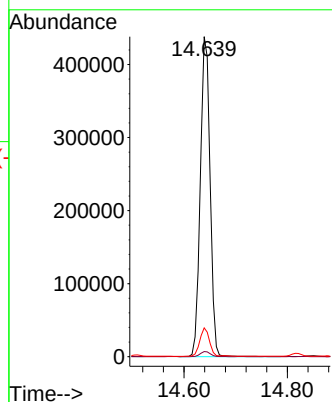
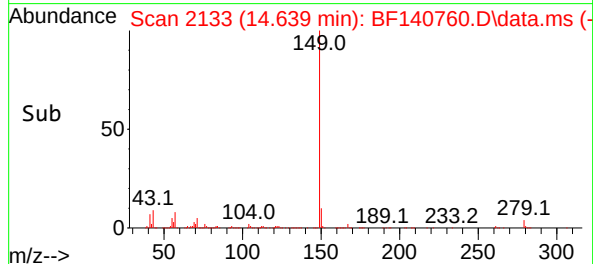
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 573400
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.0 7.7 11.5

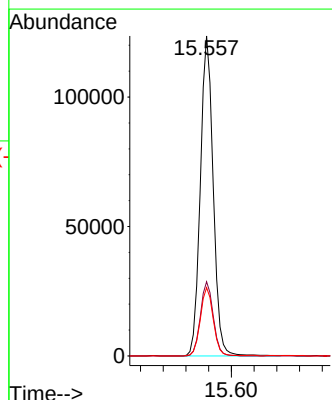
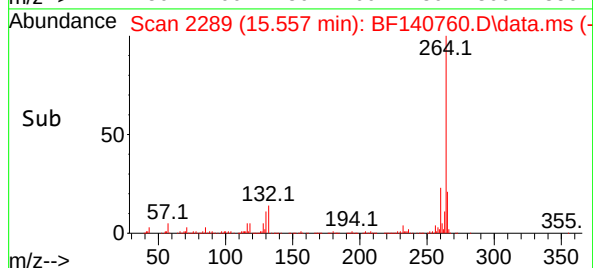
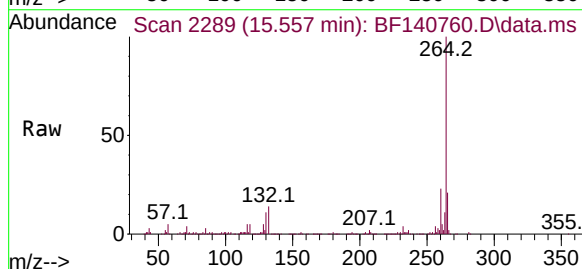
Manual Integrations
APPROVED

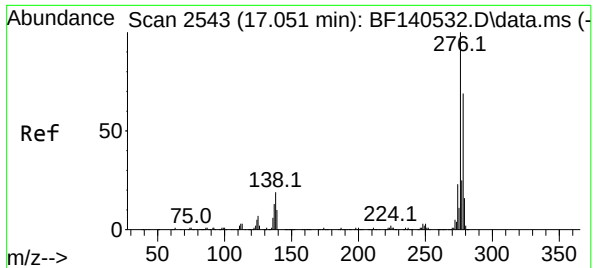
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2289
Delta R.T. 0.018 min
Lab File: BF140760.D
Acq: 06 Dec 2024 12:08

Tgt Ion:264 Resp: 194773
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.474 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 55181

Ion Ratio Lower Upper

276 100

138 20.3 15.5 23.3

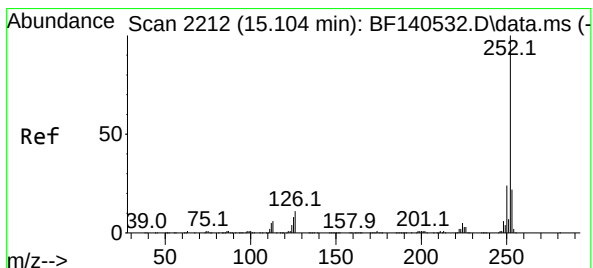
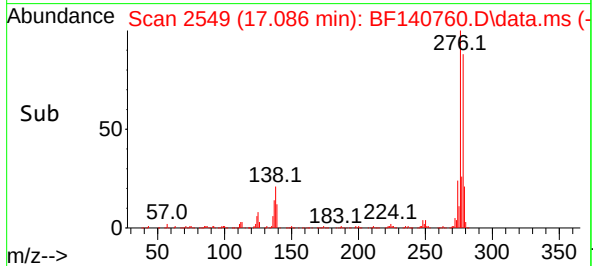
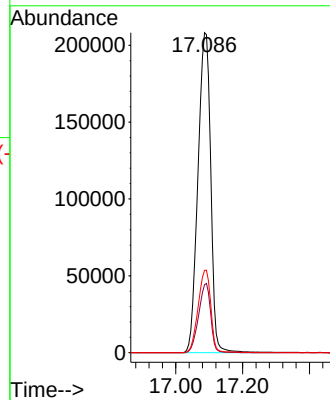
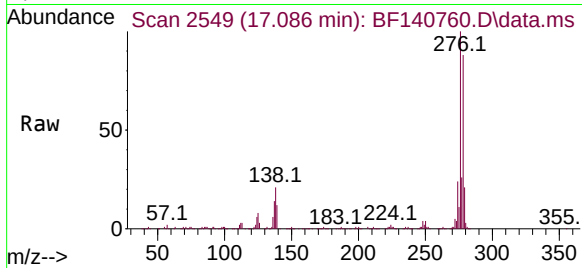
277 25.6 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#88

Benzo(b)fluoranthene

Concen: 42.513 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.018 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

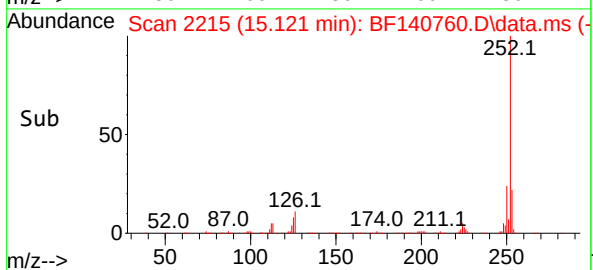
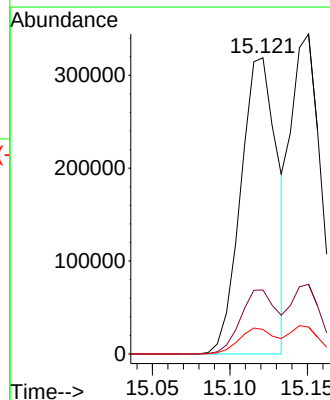
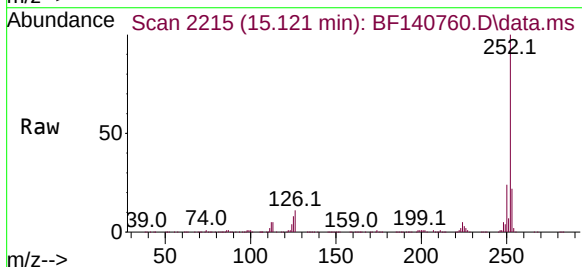
Tgt Ion:252 Resp: 520105

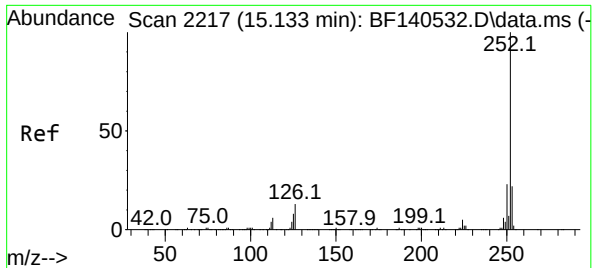
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 8.3 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 43.392 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 46454

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

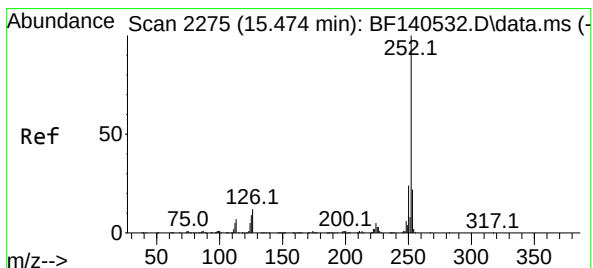
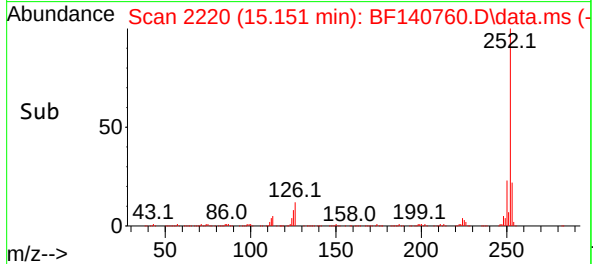
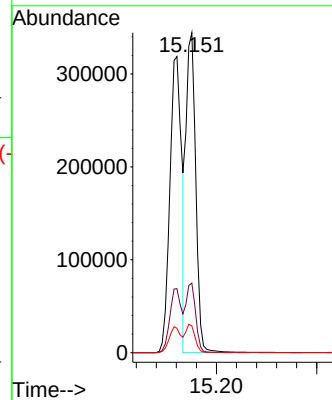
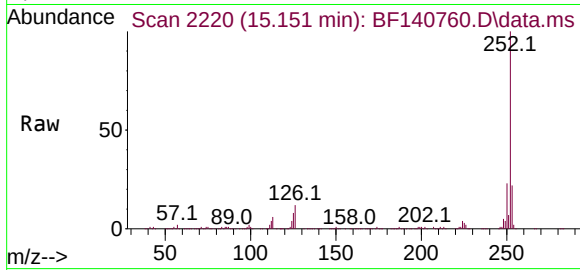
125 8.4 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#90

Benzo(a)pyrene

Concen: 42.833 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.024 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

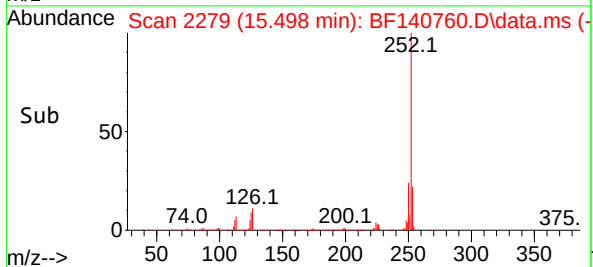
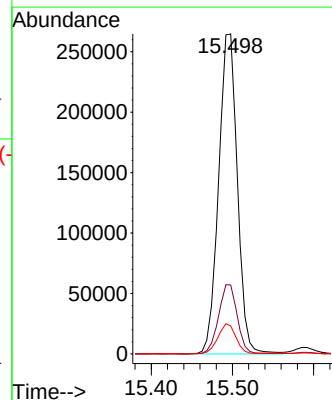
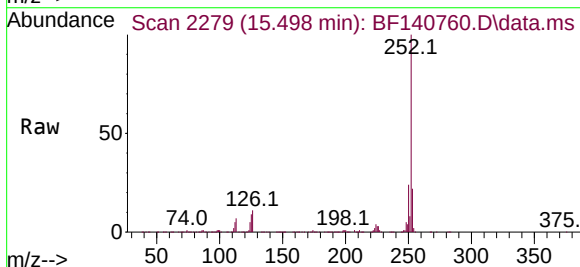
Tgt Ion:252 Resp: 426071

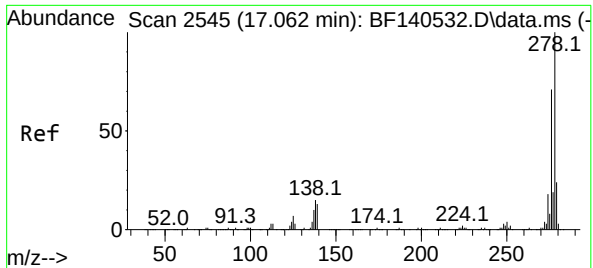
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 8.8 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 44.209 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 45956

Ion Ratio Lower Upper

278 100

139 12.6 10.2 15.4

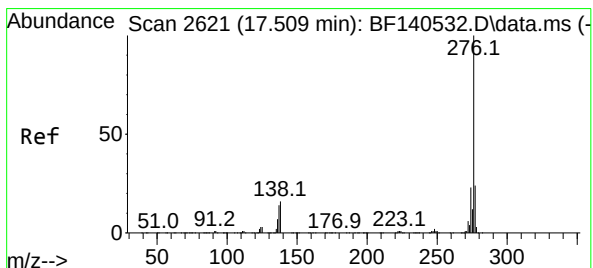
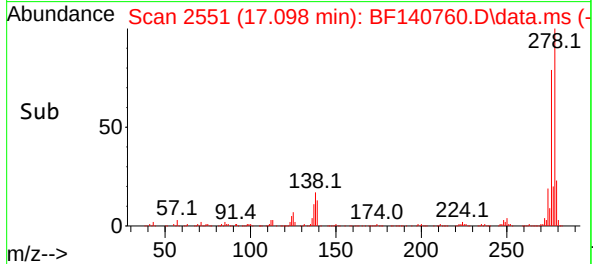
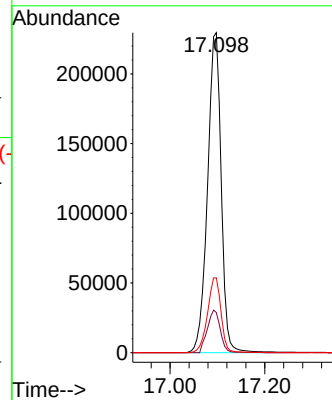
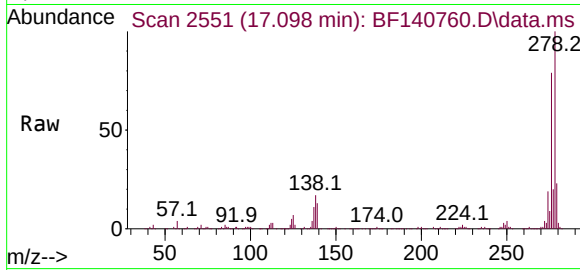
279 23.4 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#92

Benzo(g,h,i)perylene

Concen: 43.853 ng

RT: 17.545 min Scan# 2627

Delta R.T. 0.035 min

Lab File: BF140760.D

Acq: 06 Dec 2024 12:08

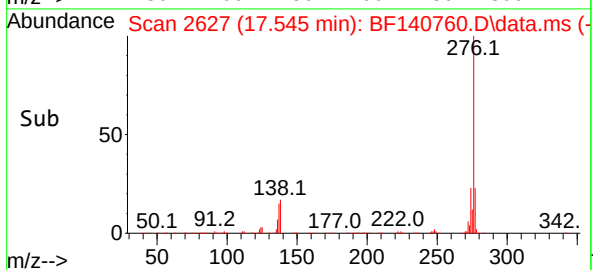
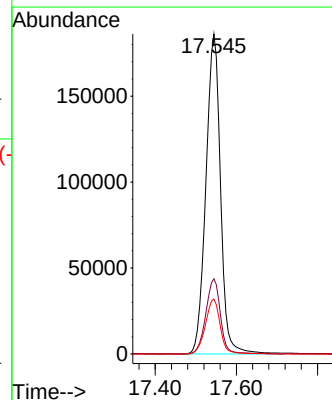
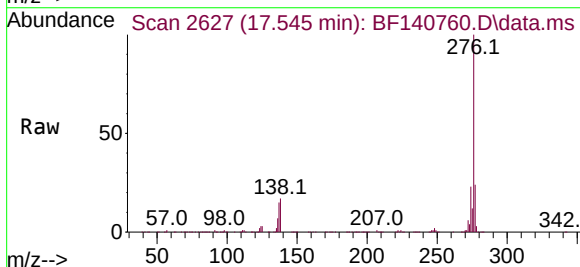
Tgt Ion:276 Resp: 465177

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 17.2 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140760.D
 Acq On : 06 Dec 2024 12:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 06 11:51:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	88	0.00
2	1,4-Dioxane	0.493	0.492	0.2	89	-0.02
3	Pyridine	1.084	1.123	-3.6	83	-0.01
4	n-Nitrosodimethylamine	0.637	0.605	5.0	82	0.00
5 S	2-Fluorophenol	1.172	1.219	-4.0	92	0.00
6	Aniline	1.091	1.149	-5.3	81	0.00
7 S	Phenol-d6	1.550	1.600	-3.2	88	0.00
8	2-Chlorophenol	1.261	1.329	-5.4	92	0.00
9	Benzaldehyde	0.820	0.698	14.9	84	0.00
10 C	Phenol	1.583	1.642	-3.7	87	0.00
11	bis(2-Chloroethyl)ether	1.211	1.301	-7.4	92	0.00
12	1,3-Dichlorobenzene	1.417	1.489	-5.1	94	0.00
13 C	1,4-Dichlorobenzene	1.435	1.511	-5.3	94	0.00
14	1,2-Dichlorobenzene	1.344	1.423	-5.9	93	0.00
15	Benzyl Alcohol	1.149	1.154	-0.4	83	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.467	-2.5	89	0.00
17	2-Methylphenol	1.009	1.049	-4.0	89	0.00
18	Hexachloroethane	0.536	0.558	-4.1	92	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.954	-4.1	89	0.00
20	3+4-Methylphenols	1.298	1.394	-7.4	91	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	85	0.00
22	Acetophenone	0.488	0.519	-6.4	91	0.00
23 S	Nitrobenzene-d5	0.391	0.403	-3.1	87	0.00
24	Nitrobenzene	0.404	0.418	-3.5	88	0.00
25	Isophorone	0.652	0.688	-5.5	88	0.00
26 C	2-Nitrophenol	0.179	0.197	-10.1	92	0.00
27	2,4-Dimethylphenol	0.214	0.240	-12.1	91	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.431	-8.6	92	0.00
29 C	2,4-Dichlorophenol	0.284	0.310	-9.2	93	0.02
30	1,2,4-Trichlorobenzene	0.324	0.348	-7.4	93	0.00
31	Naphthalene	1.030	1.097	-6.5	92	0.00
32	Benzoic acid	0.164	0.204	-24.4	98	0.03
33	4-Chloroaniline	0.308	0.343	-11.4	89	0.01
34 C	Hexachlorobutadiene	0.215	0.231	-7.4	93	0.00
35	Caprolactam	0.088	0.093	-5.7	88	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.340	-6.9	88	0.00
37	2-Methylnaphthalene	0.654	0.711	-8.7	93	0.00
38	1-Methylnaphthalene	0.641	0.695	-8.4	92	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.622	-6.1	94	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.127	-18.7	95	0.00
42 S	2,4,6-Tribromophenol	0.214	0.232	-8.4	92	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.389	-6.0	91	0.00
44	2,4,5-Trichlorophenol	0.399	0.420	-5.3	89	0.02
45 S	2-Fluorobiphenyl	1.342	1.395	-3.9	92	0.00
46	1,1'-Biphenyl	1.493	1.572	-5.3	93	0.00
47	2-Chloronaphthalene	1.131	1.192	-5.4	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140760.D
 Acq On : 06 Dec 2024 12:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 06 11:51:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	0.363	0.365	-0.6	85	0.00
49	Acenaphthylene	1.710	1.791	-4.7	92	0.00
50	Dimethylphthalate	1.317	1.408	-6.9	93	0.00
51	2,6-Dinitrotoluene	0.299	0.319	-6.7	91	0.00
52 C	Acenaphthene	1.086	1.128	-3.9	91	0.00
53	3-Nitroaniline	0.292	0.309	-5.8	88	0.01
54 P	2,4-Dinitrophenol	0.122	0.186	-52.5#	114	0.01
55	Dibenzofuran	1.657	1.698	-2.5	89	0.00
56 P	4-Nitrophenol	0.199	0.251	-26.1#	103	0.02
57	2,4-Dinitrotoluene	0.397	0.428	-7.8	90	0.00
58	Fluorene	1.330	1.400	-5.3	92	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.357	-16.7	98	0.00
60	Diethylphthalate	1.338	1.450	-8.4	94	0.00
61	4-Chlorophenyl-phenylether	0.653	0.719	-10.1	96	0.00
62	4-Nitroaniline	0.306	0.318	-3.9	87	0.01
63	Azobenzene	1.267	1.339	-5.7	93	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.125	-22.5	98	0.01
66 c	n-Nitrosodiphenylamine	0.591	0.622	-5.2	93	0.00
67	4-Bromophenyl-phenylether	0.206	0.229	-11.2	99	0.00
68	Hexachlorobenzene	0.238	0.255	-7.1	95	0.00
69	Atrazine	0.166	0.141	15.1	87	0.00
70 C	Pentachlorophenol	0.105	0.108	-2.9	80	0.00
71	Phenanthrene	0.961	1.011	-5.2	93	0.00
72	Anthracene	0.940	1.001	-6.5	94	0.00
73	Carbazole	0.905	0.968	-7.0	94	0.00
74	Di-n-butylphthalate	1.044	1.208	-15.7	102	0.00
75 C	Fluoranthene	1.044	1.149	-10.1	98	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77	Benzidine	0.581	0.555	4.5	92	0.01
78	Pyrene	1.849	1.921	-3.9	98	0.00
79 S	Terphenyl-d14	1.284	1.356	-5.6	100	0.00
80	Butylbenzylphthalate	0.666	0.741	-11.3	103	0.00
81	Benzo(a)anthracene	1.324	1.390	-5.0	102	0.00
82	3,3'-Dichlorobenzidine	0.397	0.427	-7.6	98	0.00
83	Chrysene	1.211	1.297	-7.1	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.902	-7.3	103	0.00
85 c	Di-n-octyl phthalate	1.150	1.265	-10.0	106	0.00
86 I	Perylene-d12	1.000	1.000	0.0	92	0.02
87	Indeno(1,2,3-cd)pyrene	1.303	1.417	-8.7	100	0.04
88	Benzo(b)fluoranthene	1.256	1.335	-6.3	104	0.02
89	Benzo(k)fluoranthene	1.099	1.193	-8.6	100	0.02
90 C	Benzo(a)pyrene	1.021	1.094	-7.1	100	0.02
91	Dibenzo(a,h)anthracene	1.067	1.180	-10.6	102	0.04
92	Benzo(g,h,i)perylene	1.089	1.194	-9.6	101	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140760.D
Acq On : 06 Dec 2024 12:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 06 11:51:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140760.D
 Acq On : 06 Dec 2024 12:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 06 11:51:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	88	0.00
2	1,4-Dioxane	40.000	39.896	0.3	89	-0.02
3	Pyridine	40.000	41.413	-3.5	83	-0.01
4	n-Nitrosodimethylamine	40.000	37.945	5.1	82	0.00
5 S	2-Fluorophenol	80.000	83.162	-4.0	92	0.00
6	Aniline	40.000	42.142	-5.4	81	0.00
7 S	Phenol-d6	80.000	82.586	-3.2	88	0.00
8	2-Chlorophenol	40.000	42.168	-5.4	92	0.00
9	Benzaldehyde	40.000	34.021	14.9	84	0.00
10 C	Phenol	40.000	41.507	-3.8	87	0.00
11	bis(2-Chloroethyl)ether	40.000	42.965	-7.4	92	0.00
12	1,3-Dichlorobenzene	40.000	42.028	-5.1	94	0.00
13 C	1,4-Dichlorobenzene	40.000	42.135	-5.3	94	0.00
14	1,2-Dichlorobenzene	40.000	42.351	-5.9	93	0.00
15	Benzyl Alcohol	40.000	40.164	-0.4	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.013	-2.5	89	0.00
17	2-Methylphenol	40.000	41.575	-3.9	89	0.00
18	Hexachloroethane	40.000	41.656	-4.1	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.650	-4.1	89	0.00
20	3+4-Methylphenols	40.000	42.961	-7.4	91	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	85	0.00
22	Acetophenone	40.000	42.552	-6.4	91	0.00
23 S	Nitrobenzene-d5	80.000	82.527	-3.2	87	0.00
24	Nitrobenzene	40.000	41.340	-3.4	88	0.00
25	Isophorone	40.000	42.182	-5.5	88	0.00
26 C	2-Nitrophenol	40.000	43.892	-9.7	92	0.00
27	2,4-Dimethylphenol	40.000	44.847	-12.1	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	43.386	-8.5	92	0.00
29 C	2,4-Dichlorophenol	40.000	43.683	-9.2	93	0.02
30	1,2,4-Trichlorobenzene	40.000	42.979	-7.4	93	0.00
31	Naphthalene	40.000	42.579	-6.4	92	0.00
32	Benzoic acid	40.000	44.312	-10.8	98	0.03
33	4-Chloroaniline	40.000	44.466	-11.2	89	0.01
34 C	Hexachlorobutadiene	40.000	43.124	-7.8	93	0.00
35	Caprolactam	40.000	42.490	-6.2	88	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.811	-7.0	88	0.00
37	2-Methylnaphthalene	40.000	43.448	-8.6	93	0.00
38	1-Methylnaphthalene	40.000	43.322	-8.3	92	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	85	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	42.527	-6.3	94	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.236	-5.6	95	0.00
42 S	2,4,6-Tribromophenol	80.000	86.678	-8.3	92	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.399	-6.0	91	0.00
44	2,4,5-Trichlorophenol	40.000	42.166	-5.4	89	0.02
45 S	2-Fluorobiphenyl	80.000	83.136	-3.9	92	0.00
46	1,1'-Biphenyl	40.000	42.115	-5.3	93	0.00
47	2-Chloronaphthalene	40.000	42.156	-5.4	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140760.D
 Acq On : 06 Dec 2024 12:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 06 11:51:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	40.151	-0.4	85	0.00
49	Acenaphthylene	40.000	41.916	-4.8	92	0.00
50	Dimethylphthalate	40.000	42.765	-6.9	93	0.00
51	2,6-Dinitrotoluene	40.000	42.697	-6.7	91	0.00
52 C	Acenaphthene	40.000	41.551	-3.9	91	0.00
53	3-Nitroaniline	40.000	42.347	-5.9	88	0.01
54 P	2,4-Dinitrophenol	40.000	51.248	-28.1#	114	0.01
55	Dibenzofuran	40.000	40.992	-2.5	89	0.00
56 P	4-Nitrophenol	40.000	50.328	-25.8#	103	0.02
57	2,4-Dinitrotoluene	40.000	43.077	-7.7	90	0.00
58	Fluorene	40.000	42.119	-5.3	92	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	46.618	-16.5	98	0.00
60	Diethylphthalate	40.000	43.342	-8.4	94	0.00
61	4-Chlorophenyl-phenylether	40.000	44.094	-10.2	96	0.00
62	4-Nitroaniline	40.000	41.509	-3.8	87	0.01
63	Azobenzene	40.000	42.261	-5.7	93	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	48.729	-21.8	98	0.01
66 c	n-Nitrosodiphenylamine	40.000	42.074	-5.2	93	0.00
67	4-Bromophenyl-phenylether	40.000	44.407	-11.0	99	0.00
68	Hexachlorobenzene	40.000	42.749	-6.9	95	0.00
69	Atrazine	40.000	33.976	15.1	87	0.00
70 C	Pentachlorophenol	40.000	41.011	-2.5	80	0.00
71	Phenanthrene	40.000	42.080	-5.2	93	0.00
72	Anthracene	40.000	42.585	-6.5	94	0.00
73	Carbazole	40.000	42.809	-7.0	94	0.00
74	Di-n-butylphthalate	40.000	46.268	-15.7	102	0.00
75 C	Fluoranthene	40.000	44.016	-10.0	98	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77	Benzydine	40.000	38.204	4.5	92	0.01
78	Pyrene	40.000	41.551	-3.9	98	0.00
79 S	Terphenyl-d14	80.000	84.481	-5.6	100	0.00
80	Butylbenzylphthalate	40.000	44.480	-11.2	103	0.00
81	Benzo(a)anthracene	40.000	42.005	-5.0	102	0.00
82	3,3'-Dichlorobenzidine	40.000	42.973	-7.4	98	0.00
83	Chrysene	40.000	42.841	-7.1	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.886	-7.2	103	0.00
85 c	Di-n-octyl phthalate	40.000	44.010	-10.0	106	0.00
86 I	Perylene-d12	20.000	20.000	0.0	92	0.02
87	Indeno(1,2,3-cd)pyrene	40.000	43.474	-8.7	100	0.04
88	Benzo(b)fluoranthene	40.000	42.513	-6.3	104	0.02
89	Benzo(k)fluoranthene	40.000	43.392	-8.5	100	0.02
90 C	Benzo(a)pyrene	40.000	42.833	-7.1	100	0.02
91	Dibenzo(a,h)anthracene	40.000	44.209	-10.5	102	0.04
92	Benzo(g,h,i)perylene	40.000	43.853	-9.6	101	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140760.D
Acq On : 06 Dec 2024 12:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 06 11:51:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5112 SAS No.: P5112 SDG No.: P5112

Instrument ID: BNA_F Calibration Date/Time: 12/10/2024 10:05

Lab File ID: BF140795.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.234		5.3	
Phenol-d6	1.550	1.641		5.9	
Nitrobenzene-d5	0.391	0.401		2.6	
Naphthalene	1.030	1.087		5.5	
2-Fluorobiphenyl	1.342	1.367		1.9	
Acenaphthylene	1.710	1.736		1.5	
Acenaphthene	1.086	1.111		2.3	20.0
Fluorene	1.330	1.366		2.7	
2,4,6-Tribromophenol	0.214	0.227		6.1	
Phenanthrene	0.961	1.010		5.1	
Anthracene	0.940	0.990		5.3	
Fluoranthene	1.044	1.102		5.6	20.0
Pyrene	1.849	1.929		4.3	
Terphenyl-d14	1.284	1.331		3.7	
Benzo (a) anthracene	1.324	1.373		3.7	
Chrysene	1.211	1.263		4.3	
Benzo (b) fluoranthene	1.256	1.352		7.6	
Benzo (k) fluoranthene	1.099	1.108		0.8	
Benzo (a) pyrene	1.021	1.089		6.7	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.397		7.2	
Dibenzo (a,h) anthracene	1.067	1.155		8.2	
Benzo (g,h,i) perylene	1.089	1.179		8.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140795.D
 Acq On : 10 Dec 2024 10:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	109804	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	416335	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	236601	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	435620	20.000	ng	0.00
76) Chrysene-d12	14.051	240	252154	20.000	ng	0.00
86) Perylene-d12	15.551	264	232565	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	542149	84.243	ng	0.00
7) Phenol-d6	6.516	99	720577	84.695	ng	0.00
23) Nitrobenzene-d5	7.434	82	668034	82.074	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	214600	84.807	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1294041	81.489	ng	-0.01
79) Terphenyl-d14	12.980	244	1342965	82.932	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	112677	41.643	ng	99
3) Pyridine	3.393	79	267813	44.985	ng	99
4) n-Nitrosodimethylamine	3.363	42	141477	40.433	ng	90
6) Aniline	6.534	93	281318	46.977	ng	# 79
8) 2-Chlorophenol	6.657	128	294855	42.586	ng	100
9) Benzaldehyde	6.422	77	167165	37.115	ng	96
10) Phenol	6.528	94	369558	42.533	ng	95
11) bis(2-Chloroethyl)ether	6.604	93	284049	42.721	ng	99
12) 1,3-Dichlorobenzene	6.804	146	329507	42.354	ng	99
13) 1,4-Dichlorobenzene	6.881	146	333481	42.334	ng	99
14) 1,2-Dichlorobenzene	7.039	146	310614	42.081	ng	99
15) Benzyl Alcohol	7.016	79	257458	40.805	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	323367	41.168	ng	74
17) 2-Methylphenol	7.134	107	235348	42.464	ng	95
18) Hexachloroethane	7.375	117	122159	41.521	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	209309	41.627	ng	94
20) 3+4-Methylphenols	7.286	107	308640	43.325	ng	# 86
22) Acetophenone	7.281	105	420910	41.469	ng	97
24) Nitrobenzene	7.457	77	346924	41.240	ng	97
25) Isophorone	7.692	82	565357	41.644	ng	99
26) 2-Nitrophenol	7.769	139	163051	43.737	ng	95
27) 2,4-Dimethylphenol	7.810	122	198925m	44.597	ng	
28) bis(2-Chloroethoxy)met...	7.892	93	351072	42.449	ng	100
29) 2,4-Dichlorophenol	8.016	162	257410	43.552	ng	98
30) 1,2,4-Trichlorobenzene	8.086	180	284305	42.129	ng	100
31) Naphthalene	8.169	128	904837	42.194	ng	99
32) Benzoic acid	7.969	122	164343	43.188	ng	99
33) 4-Chloroaniline	8.228	127	285939	44.534	ng	99
34) Hexachlorobutadiene	8.281	225	186861	41.805	ng	99
35) Caprolactam	8.604	113	78193m	42.750	ng	
36) 4-Chloro-3-methylphenol	8.716	107	282857	42.744	ng	99
37) 2-Methylnaphthalene	8.857	142	580377	42.609	ng	100
38) 1-Methylnaphthalene	8.957	142	566751	42.449	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	288981	41.721	ng	98
41) Hexachlorocyclopentadiene	9.010	237	51368	37.278	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	177813	40.911	ng	99

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 Data File : BF140795.D
 Acq On : 10 Dec 2024 10:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

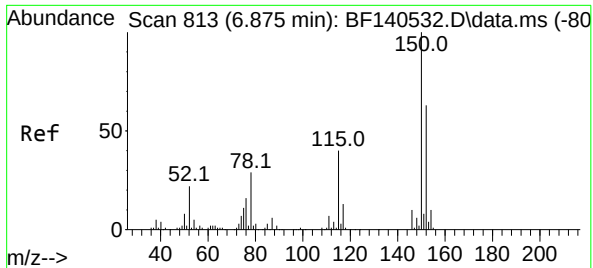
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 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	198042	41.985	ng	96
46) 1,1'-Biphenyl	9.322	154	738135	41.786	ng	99
47) 2-Chloronaphthalene	9.351	162	562272	42.007	ng	99
48) 2-Nitroaniline	9.457	65	175242	40.789	ng	95
49) Acenaphthylene	9.769	152	821276	40.609	ng	100
50) Dimethylphthalate	9.627	163	640218	41.086	ng	99
51) 2,6-Dinitrotoluene	9.698	165	149045	42.174	ng	92
52) Acenaphthene	9.939	154	525698	40.910	ng	100
53) 3-Nitroaniline	9.869	138	150847	43.642	ng	97
54) 2,4-Dinitrophenol	9.986	184	83716	49.090	ng	95
55) Dibenzofuran	10.110	168	785764	40.089	ng	100
56) 4-Nitrophenol	10.051	139	123057	52.203	ng	93
57) 2,4-Dinitrotoluene	10.104	165	196879	41.918	ng	96
58) Fluorene	10.457	166	646619	41.100	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	158644	43.762	ng	91
60) Diethylphthalate	10.322	149	649999	41.056	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	320255	41.479	ng	96
62) 4-Nitroaniline	10.492	138	156861	43.270	ng	92
63) Azobenzene	10.604	77	602888	40.212	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	109495	49.188	ng	92
66) n-Nitrosodiphenylamine	10.569	169	546366	42.412	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	191275	42.636	ng	97
68) Hexachlorobenzene	11.004	284	221195	42.582	ng	98
69) Atrazine	11.092	200	120863	33.350	ng	98
70) Pentachlorophenol	11.210	266	83249	36.413	ng	98
71) Phenanthrene	11.421	178	879846	42.018	ng	99
72) Anthracene	11.474	178	862183	42.092	ng	100
73) Carbazole	11.633	167	830443	42.144	ng	100
74) Di-n-butylphthalate	11.951	149	974455	42.835	ng	99
75) Fluoranthene	12.616	202	960297	42.238	ng	100
77) Benzidine	12.739	184	378294	51.600	ng	99
78) Pyrene	12.845	202	972662	41.719	ng	99
80) Butylbenzylphthalate	13.451	149	340318	40.519	ng	99
81) Benzo(a)anthracene	14.039	228	692372	41.480	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	221470	44.193	ng	99
83) Chrysene	14.074	228	636850	41.726	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	406345	38.315	ng	98
85) Di-n-octyl phthalate	14.639	149	611309	42.178	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	649588	42.860	ng	98
88) Benzo(b)fluoranthene	15.109	252	628913	43.053	ng	98
89) Benzo(k)fluoranthene	15.139	252	515177	40.302	ng	99
90) Benzo(a)pyrene	15.486	252	506727	42.664	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	537247	43.284	ng	99
92) Benzo(g,h,i)perylene	17.527	276	548332	43.292	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

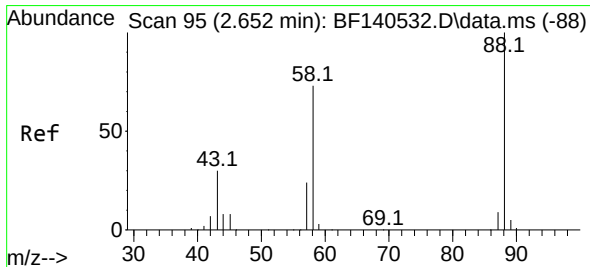
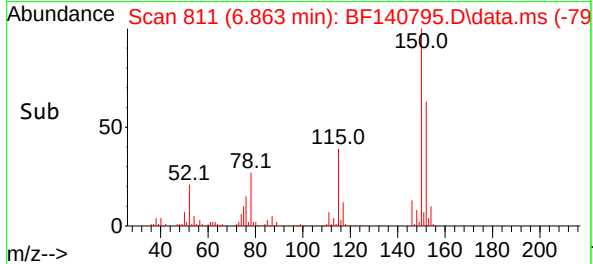
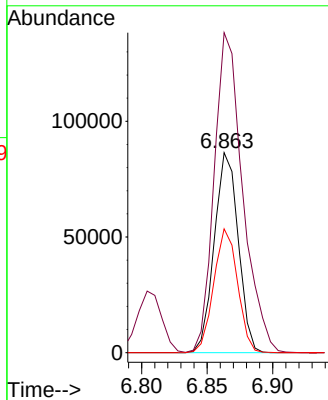
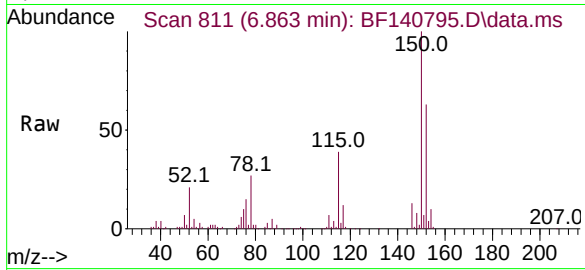
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

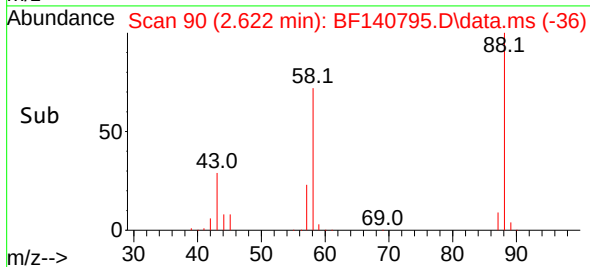
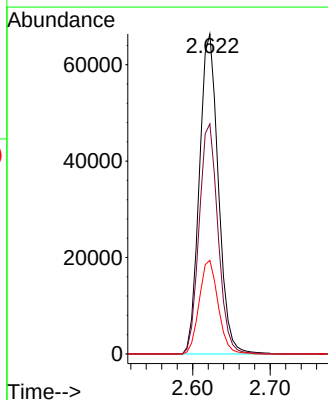
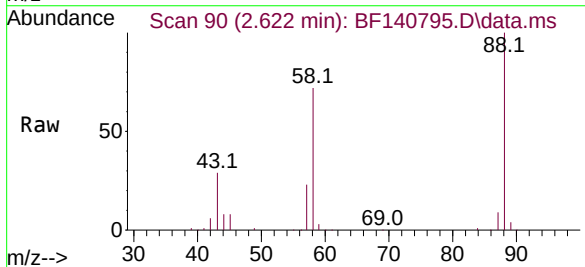
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ClientSampleId :
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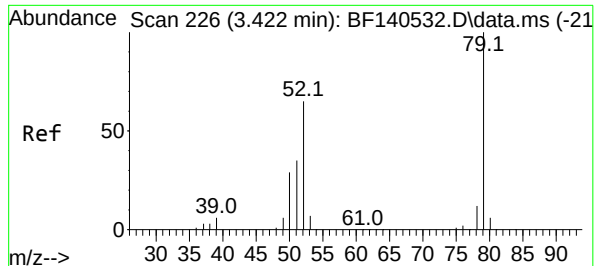
Tgt Ion:152 Resp: 109804
Ion Ratio Lower Upper
152 100
150 160.0 128.5 192.7
115 61.9 50.2 75.4



#2
1,4-Dioxane
Concen: 41.643 ng
RT: 2.622 min Scan# 90
Delta R.T. -0.029 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 88 Resp: 112677
Ion Ratio Lower Upper
88 100
58 71.6 57.4 86.2
43 29.2 24.3 36.5

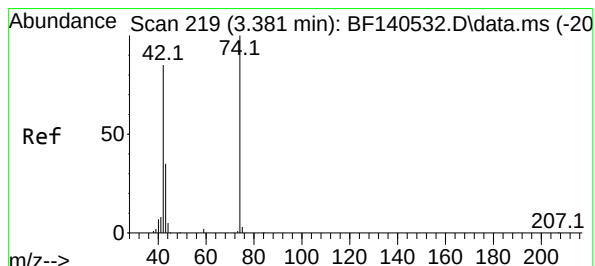
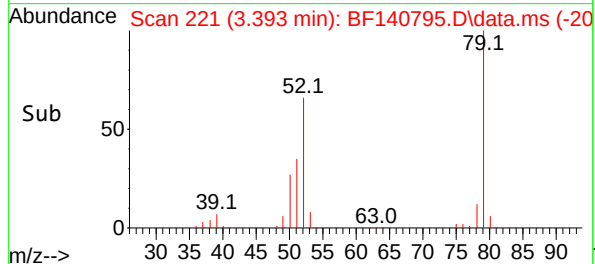
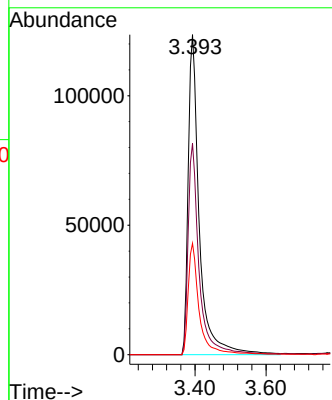
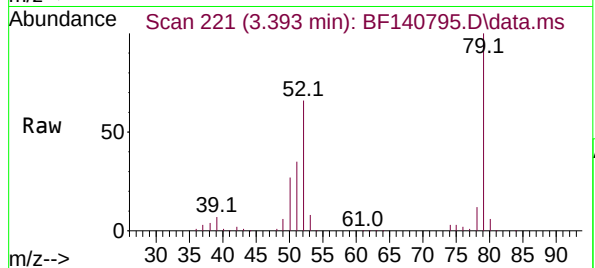




#3
Pyridine
Concen: 44.985 ng
RT: 3.393 min Scan# 216
Delta R.T. -0.029 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

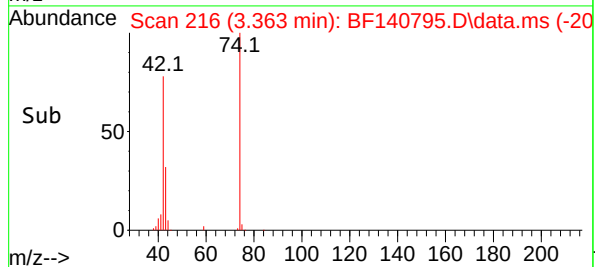
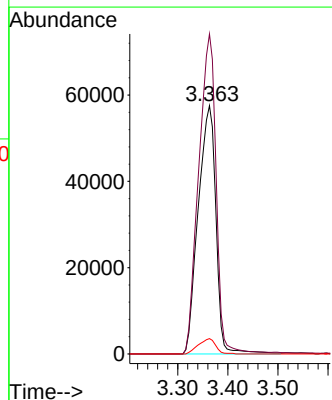
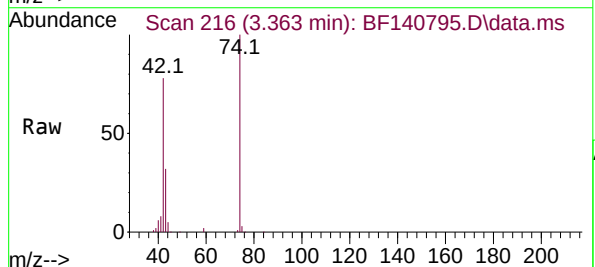
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

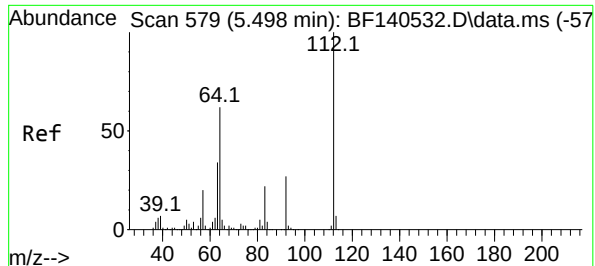
Tgt Ion: 79 Resp: 267813
Ion Ratio Lower Upper
79 100
52 66.0 52.1 78.1
51 34.8 27.8 41.8



#4
n-Nitrosodimethylamine
Concen: 40.433 ng
RT: 3.363 min Scan# 216
Delta R.T. -0.018 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 42 Resp: 141477
Ion Ratio Lower Upper
42 100
74 128.9 93.8 140.6
44 6.2 4.6 6.8

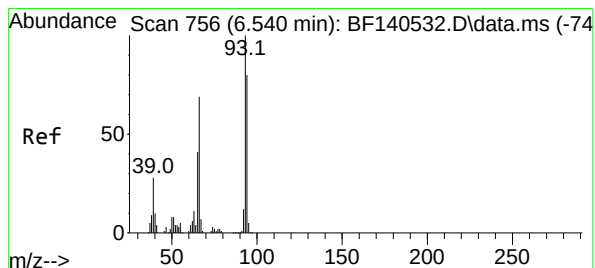
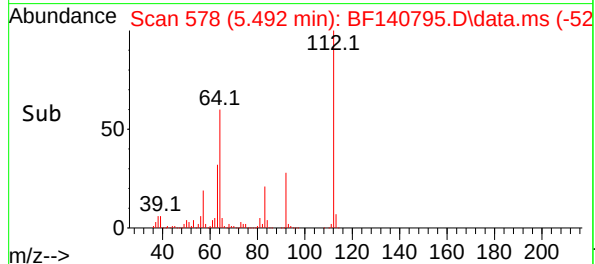
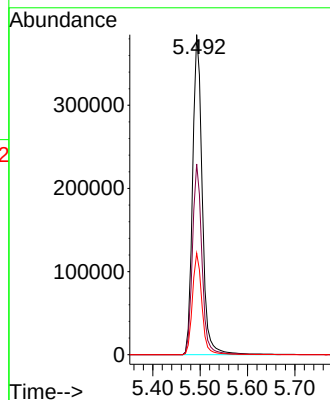
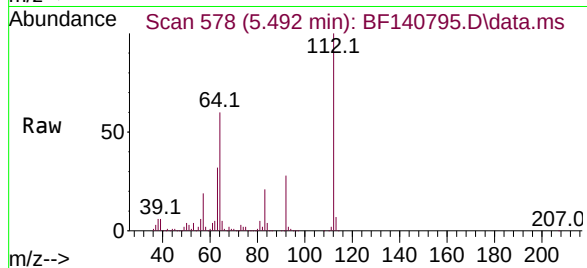




#5
2-Fluorophenol
Concen: 84.243 ng
RT: 5.492 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

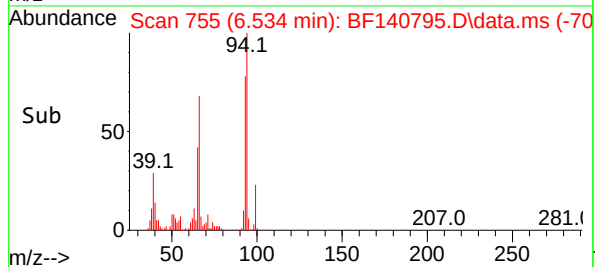
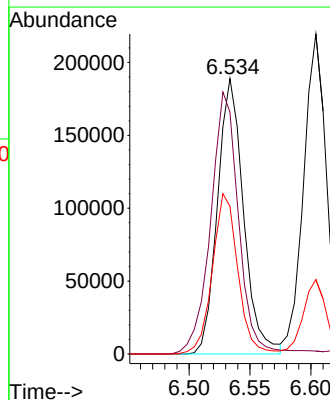
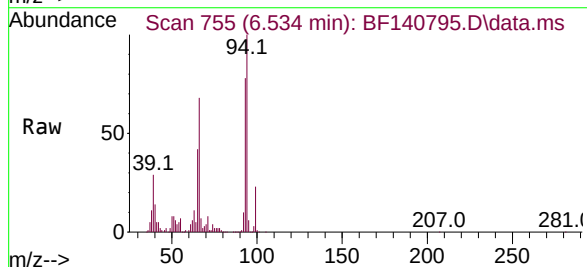
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ClientSampleId :
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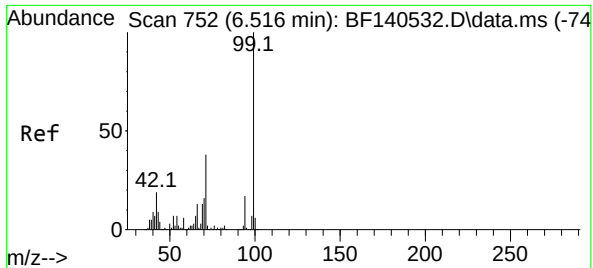
Tgt Ion:112 Resp: 542149
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 31.7 27.0 40.4



#6
Aniline
Concen: 46.977 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 93 Resp: 281318
Ion Ratio Lower Upper
93 100
66 87.8 56.5 84.7#
65 53.6 32.9 49.3#

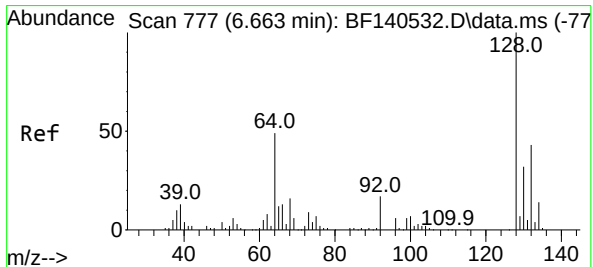
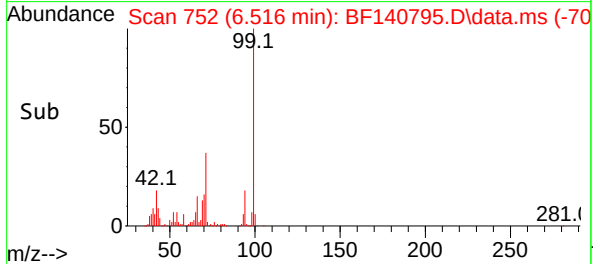
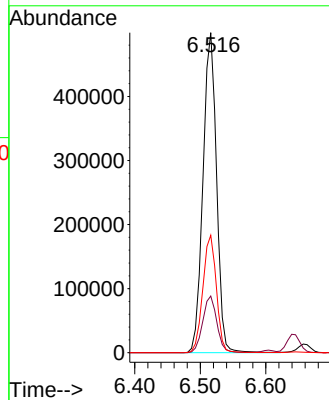
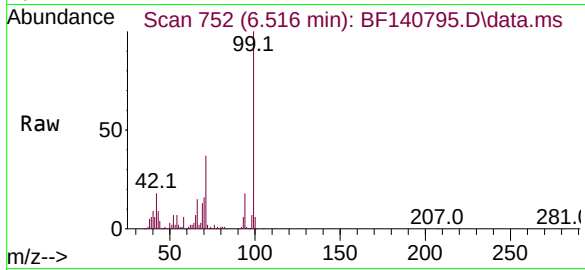




#7
Phenol-d6
Concen: 84.695 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

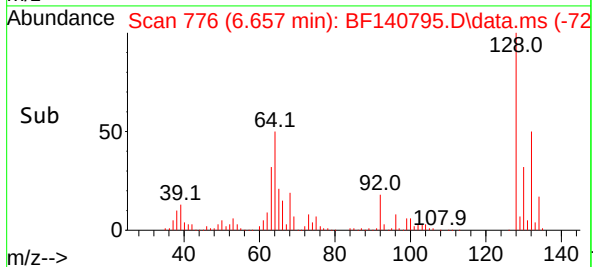
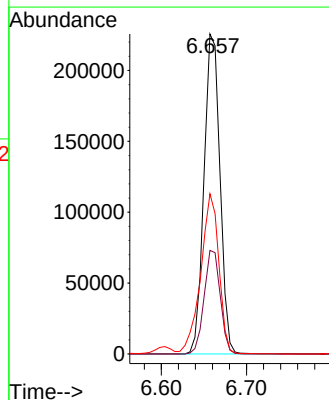
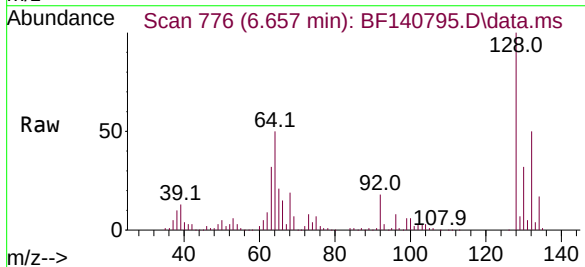
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ClientSampleId :
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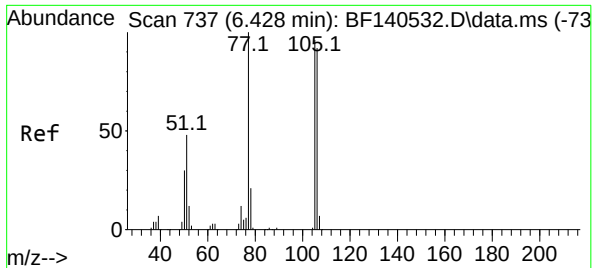
Tgt Ion: 99 Resp: 720577
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 36.7 30.6 46.0



#8
2-Chlorophenol
Concen: 42.586 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 128 Resp: 294855
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 50.0 30.2 70.2

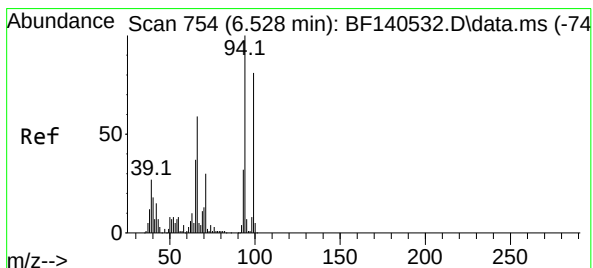
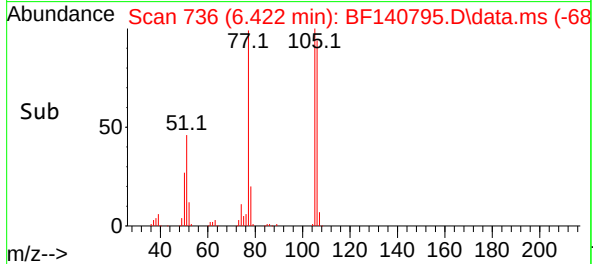
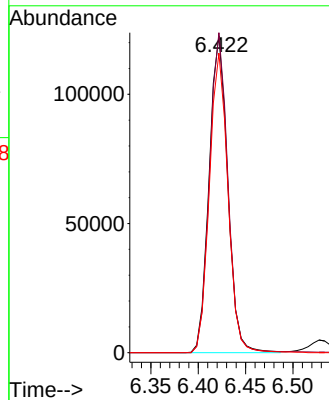
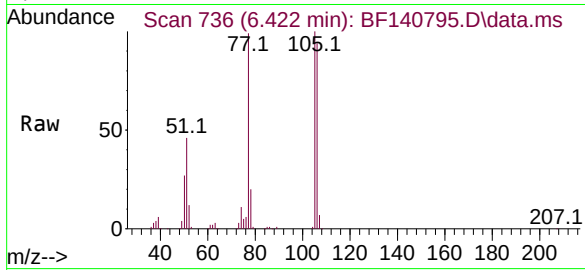




#9
Benzaldehyde
Concen: 37.115 ng
RT: 6.422 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

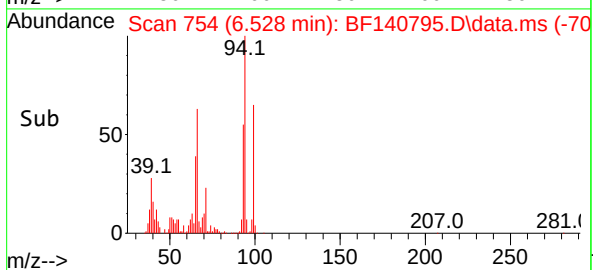
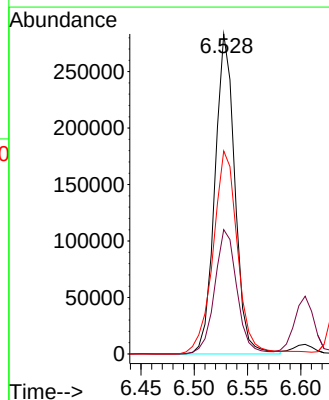
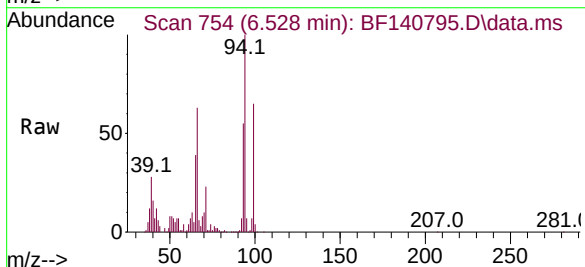
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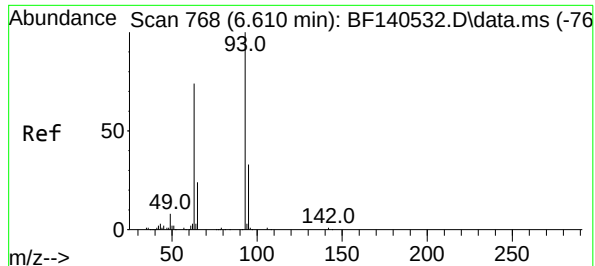
Tgt Ion: 77 Resp: 167165
Ion Ratio Lower Upper
77 100
105 100.9 75.6 115.6
106 94.5 72.0 112.0



#10
Phenol
Concen: 42.533 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 94 Resp: 369558
Ion Ratio Lower Upper
94 100
65 38.8 17.2 57.2
66 63.4 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 42.721 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

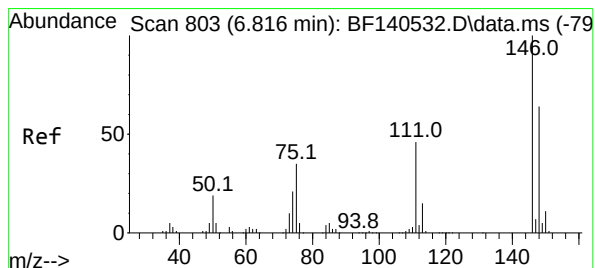
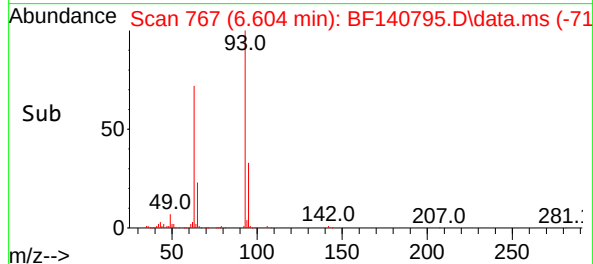
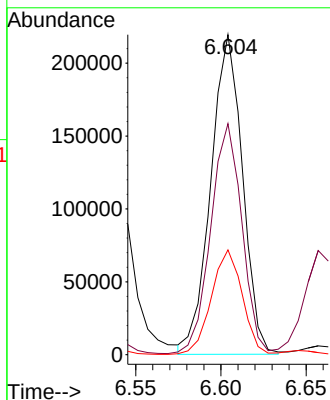
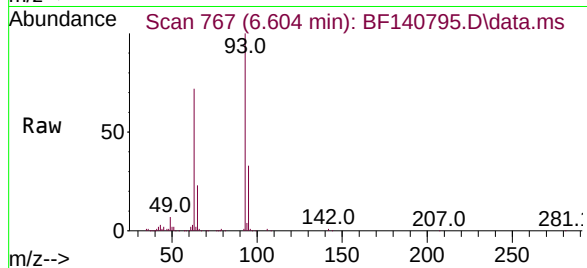
Tgt Ion: 93 Resp: 284049

Ion Ratio Lower Upper

93 100

63 72.2 52.8 92.8

95 32.7 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 42.354 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

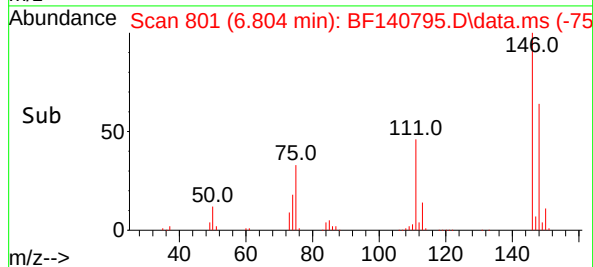
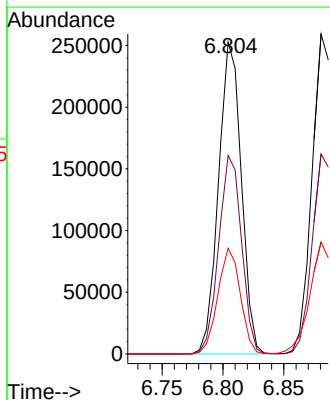
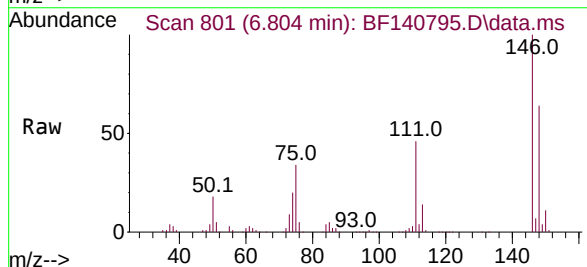
Tgt Ion: 146 Resp: 329507

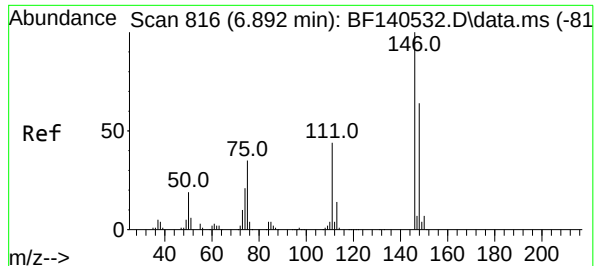
Ion Ratio Lower Upper

146 100

148 63.6 51.3 76.9

75 33.9 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 42.334 ng

RT: 6.881 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

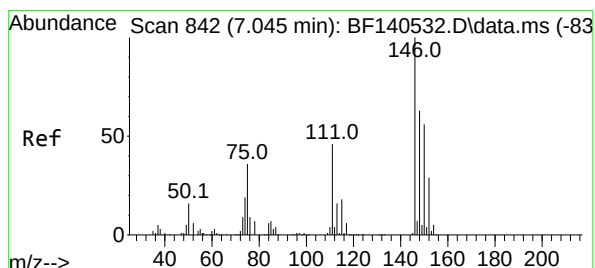
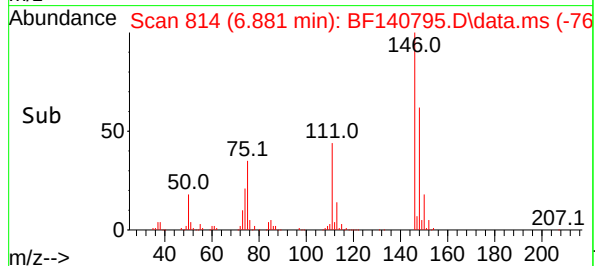
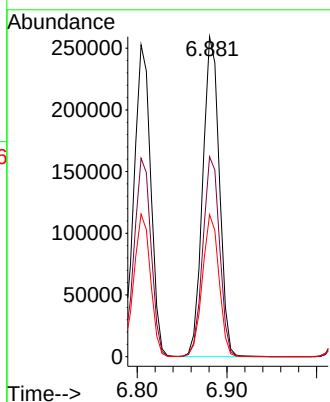
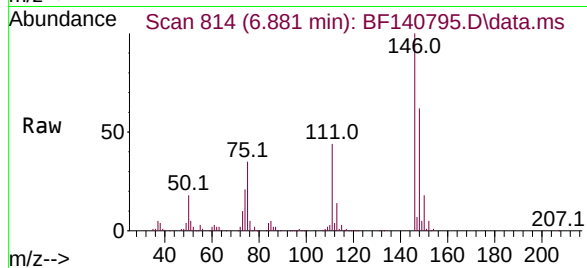
Tgt Ion:146 Resp: 333481

Ion Ratio Lower Upper

146 100

148 62.5 51.0 76.6

111 44.4 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 42.081 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

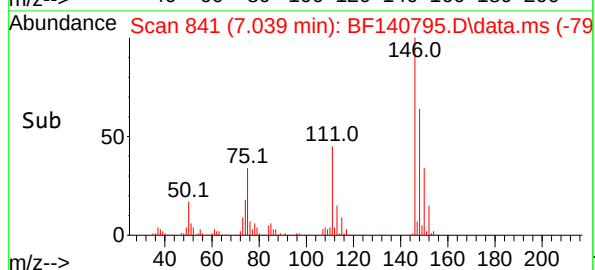
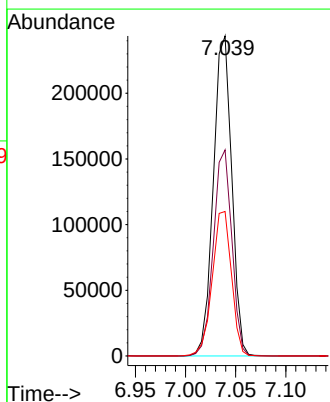
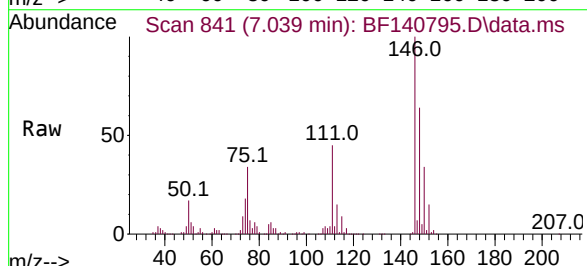
Tgt Ion:146 Resp: 310614

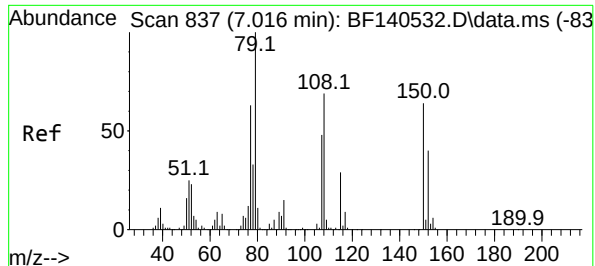
Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

111 45.2 36.7 55.1





#15

Benzyl Alcohol

Concen: 40.805 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

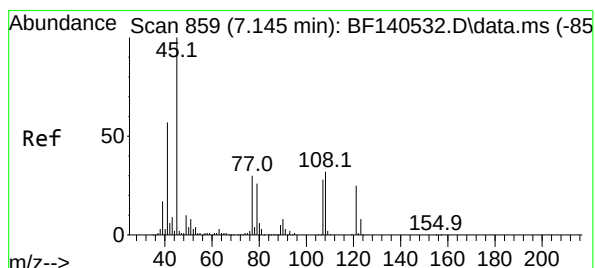
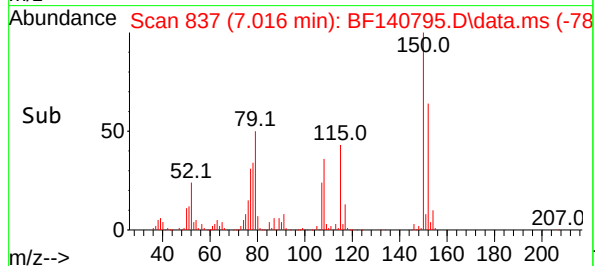
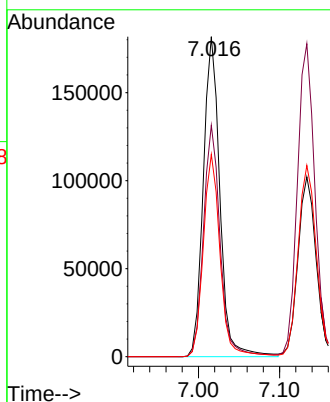
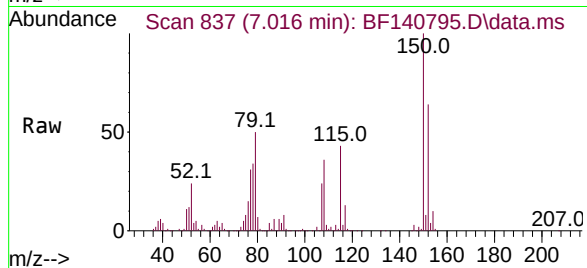
Tgt Ion: 79 Resp: 257458

Ion Ratio Lower Upper

79 100

108 72.3 55.0 82.6

77 63.2 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.168 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

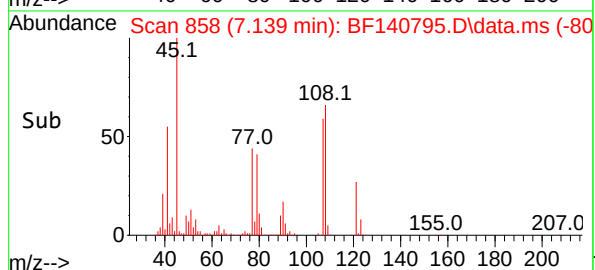
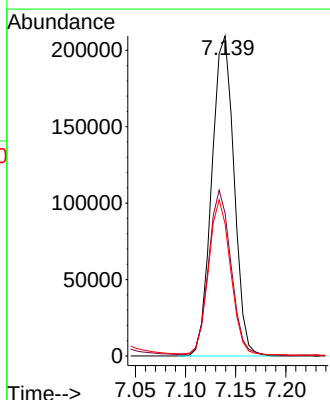
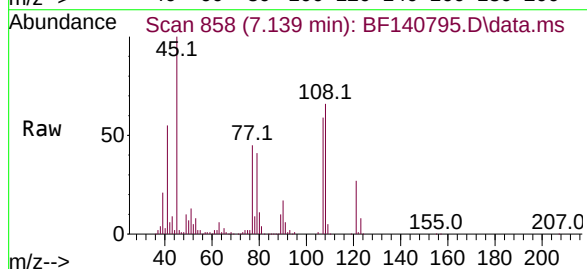
Tgt Ion: 45 Resp: 323367

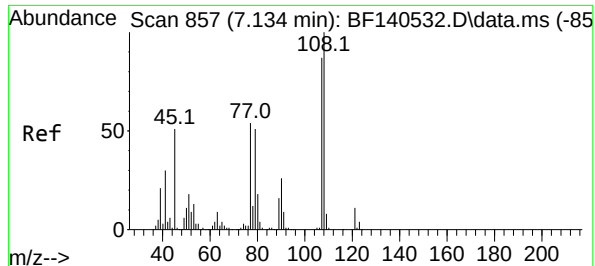
Ion Ratio Lower Upper

45 100

77 44.6 10.7 50.7

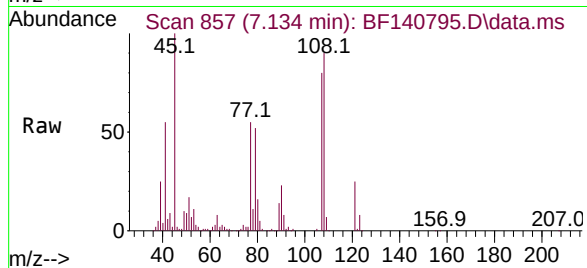
79 41.3 7.0 47.0



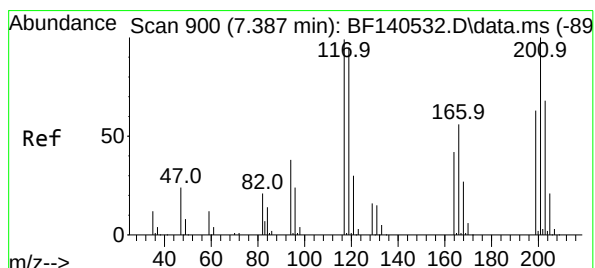
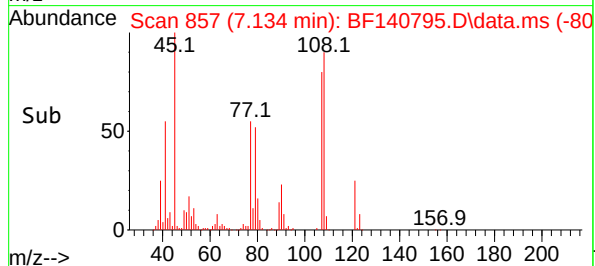
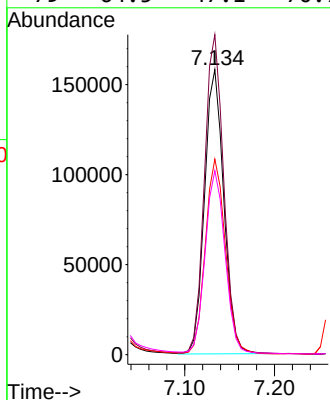


#17
2-Methylphenol
Concen: 42.464 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

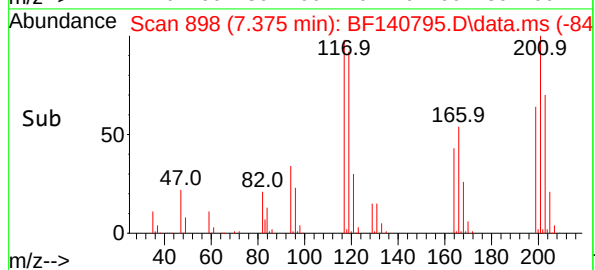
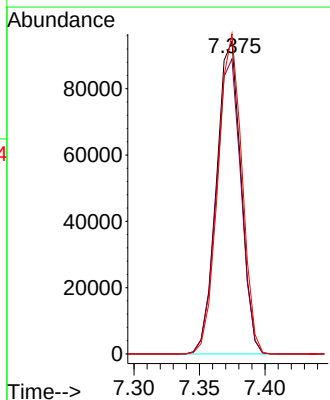
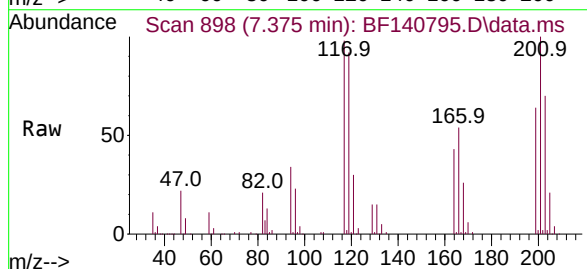


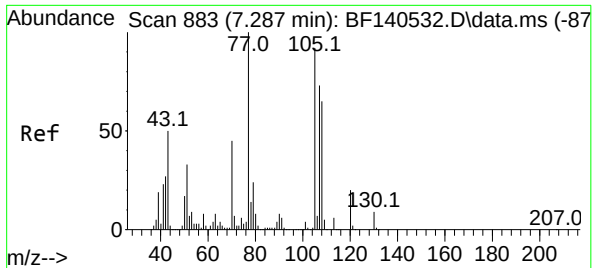
Tgt Ion:	107	Resp:	235348
Ion	Ratio	Lower	Upper
107	100		
108	112.2	91.7	137.5
77	68.6	49.3	73.9
79	64.5	47.1	70.7



#18
Hexachloroethane
Concen: 41.521 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:	117	Resp:	122159
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.1	115.7
201	102.4	81.1	121.7

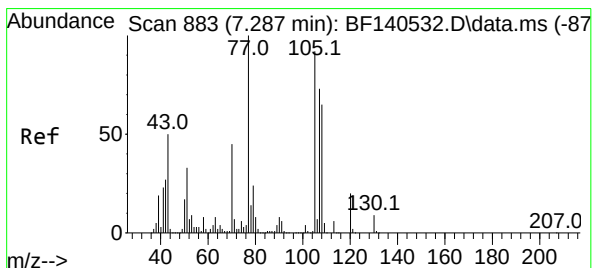
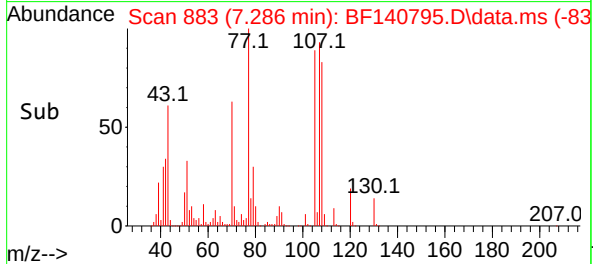
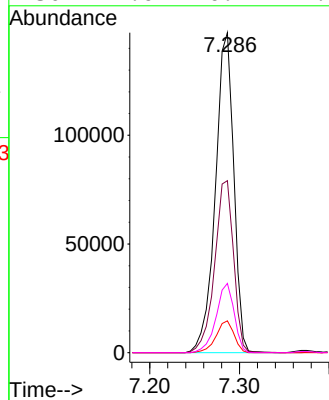
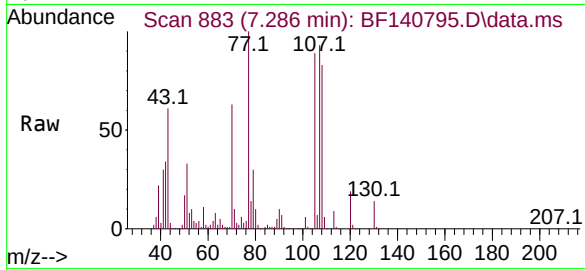




#19
n-Nitroso-di-n-propylamine
Concen: 41.627 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

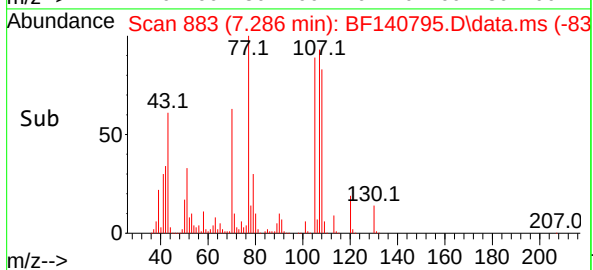
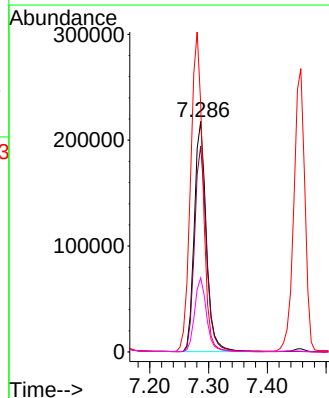
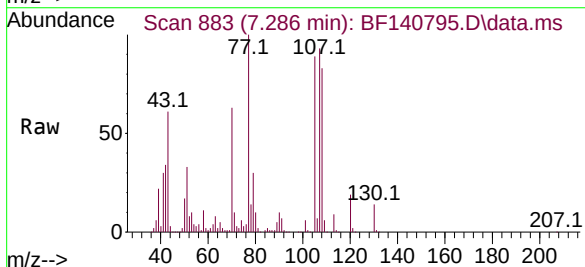
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

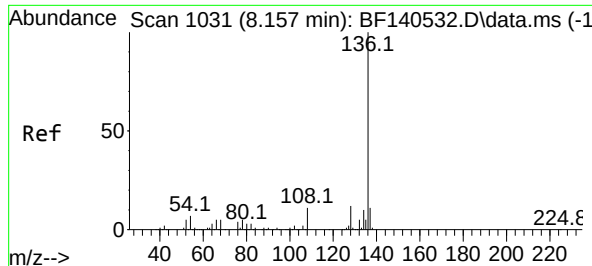
Tgt Ion: 70 Resp: 209309
Ion Ratio Lower Upper
70 100
42 53.8 47.6 71.4
101 10.0 7.6 11.4
130 21.6 16.2 24.4



#20
3+4-Methylphenols
Concen: 43.325 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 107 Resp: 308640
Ion Ratio Lower Upper
107 100
108 89.3 69.9 109.9
77 107.7 117.7 157.7#
79 32.1 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1031

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 416335

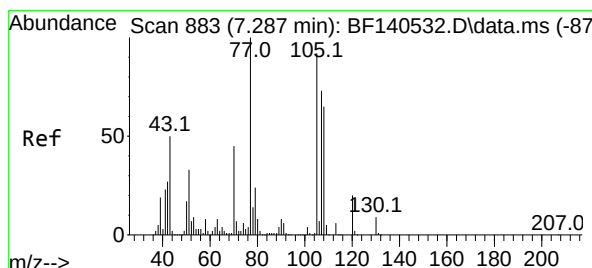
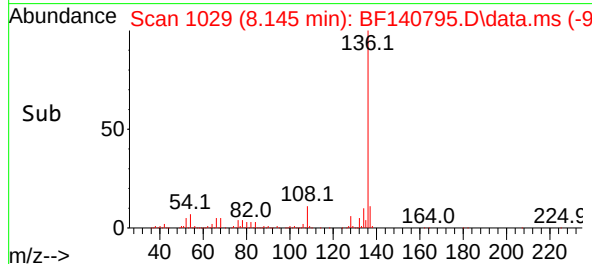
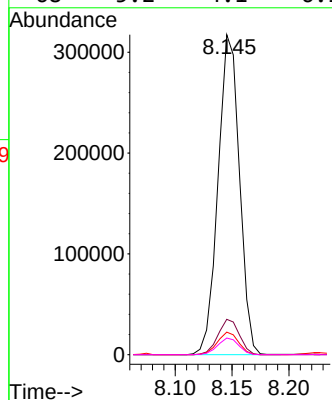
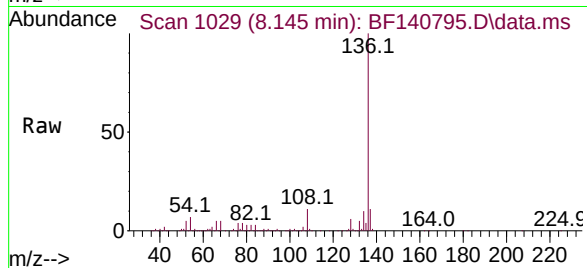
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.0 5.8 8.8

68 5.2 4.1 6.1



#22

Acetophenone

Concen: 41.469 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Tgt Ion:105 Resp: 420910

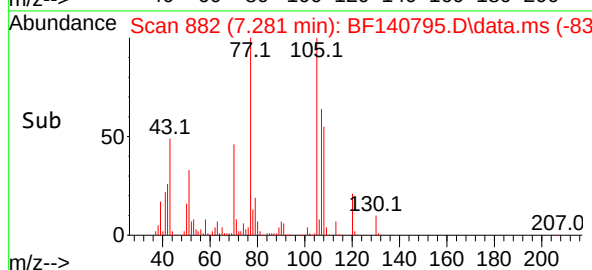
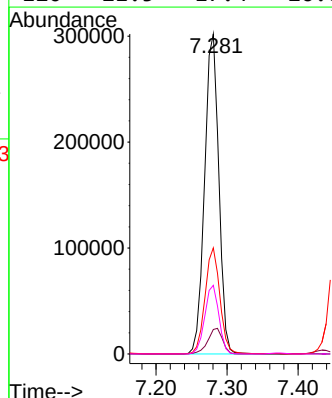
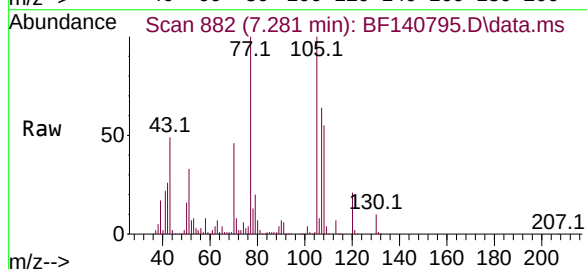
Ion Ratio Lower Upper

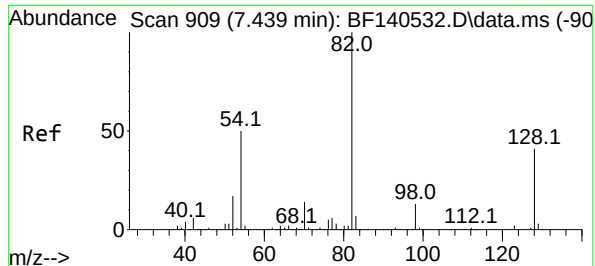
105 100

71 7.7 6.2 9.2

51 33.1 29.0 43.6

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 82.074 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

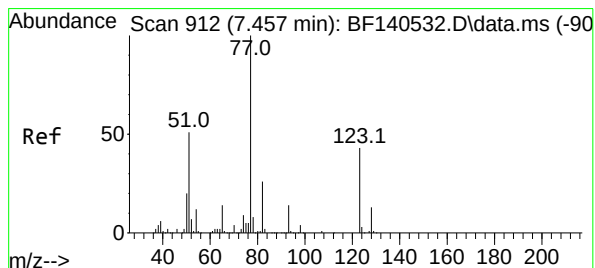
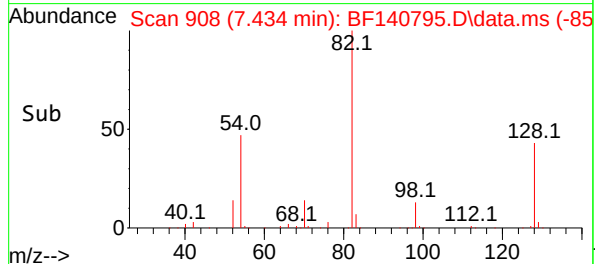
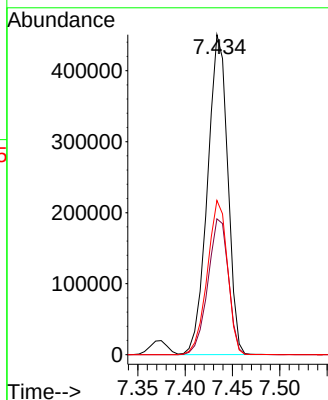
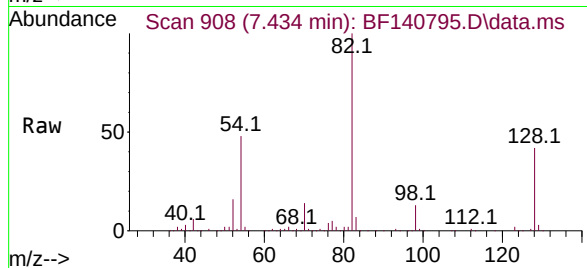
Tgt Ion: 82 Resp: 668034

Ion Ratio Lower Upper

82 100

128 42.5 33.0 49.4

54 48.2 39.5 59.3



#24

Nitrobenzene

Concen: 41.240 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

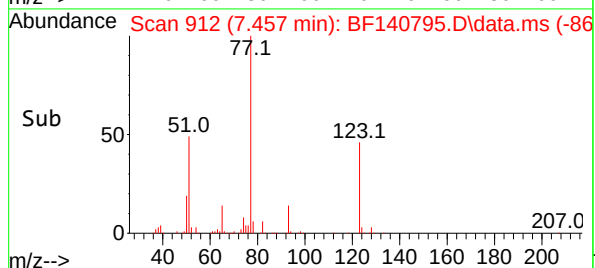
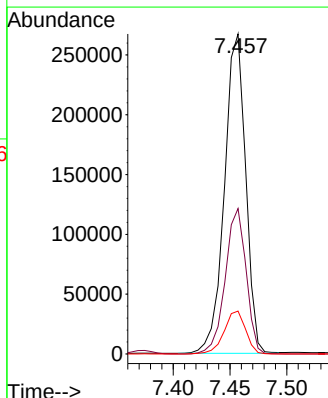
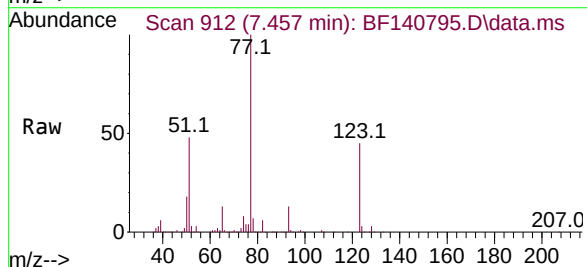
Tgt Ion: 77 Resp: 346924

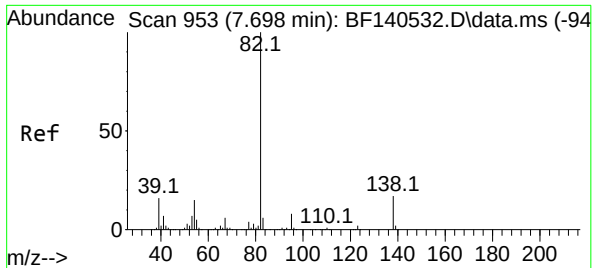
Ion Ratio Lower Upper

77 100

123 45.5 34.3 51.5

65 13.4 11.2 16.8

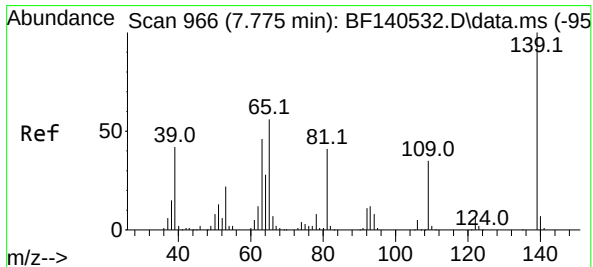
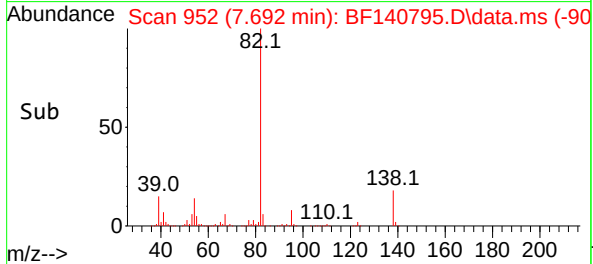
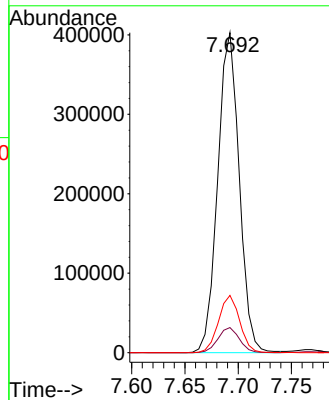
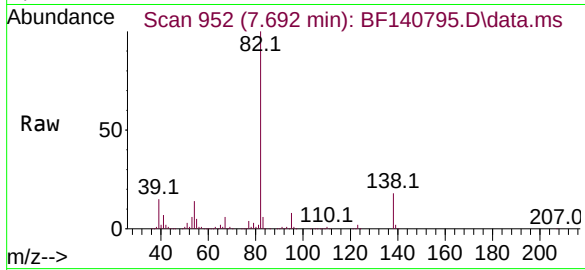




#25
Isophorone
Concen: 41.644 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

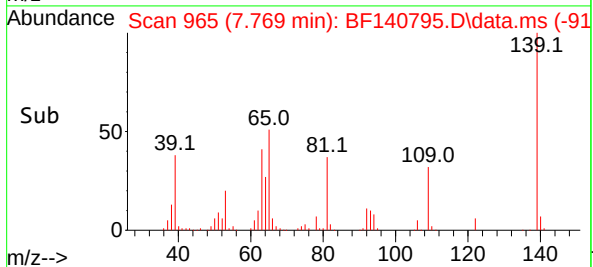
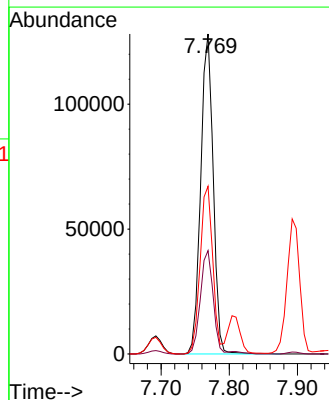
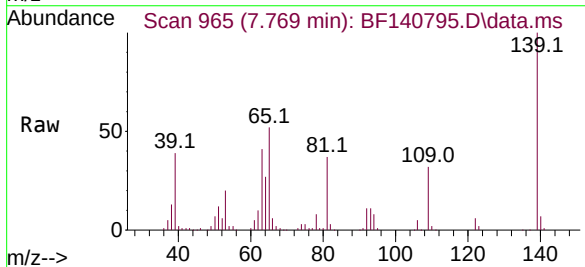
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

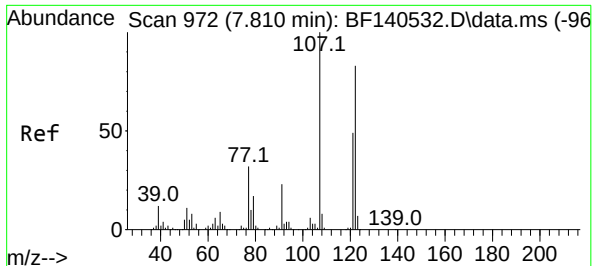
Tgt Ion: 82 Resp: 565357
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.9 13.8 20.6



#26
2-Nitrophenol
Concen: 43.737 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion: 139 Resp: 163051
Ion Ratio Lower Upper
139 100
109 32.3 28.0 42.0
65 52.4 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 44.597 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

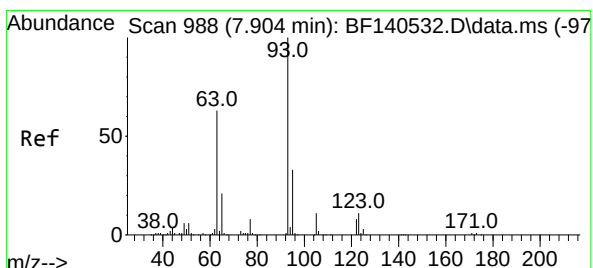
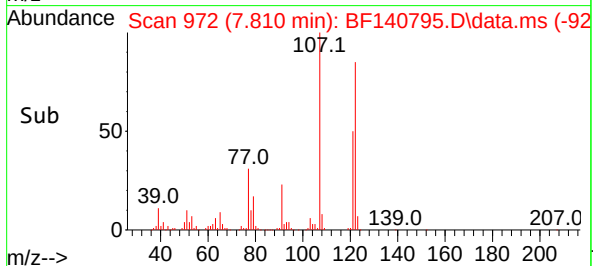
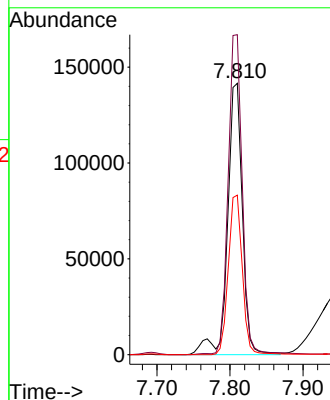
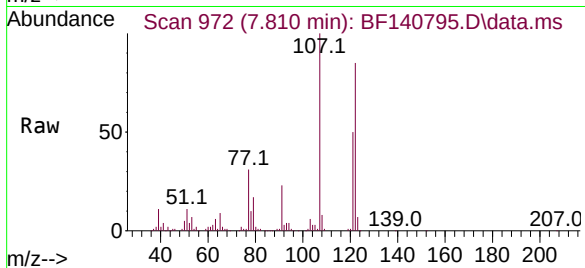
Tgt Ion:122 Resp: 198925

Ion Ratio Lower Upper

122 100

107 117.9 96.8 145.2

121 58.7 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 42.449 ng

RT: 7.892 min Scan# 986

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

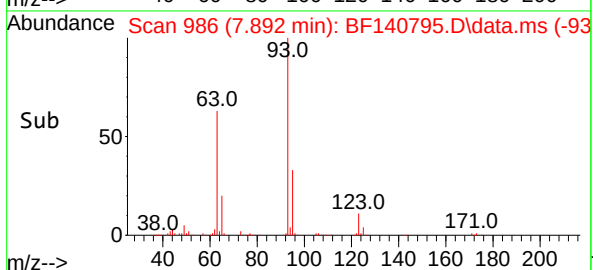
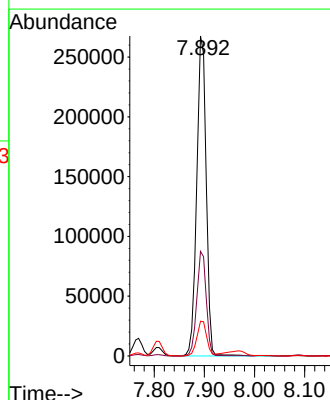
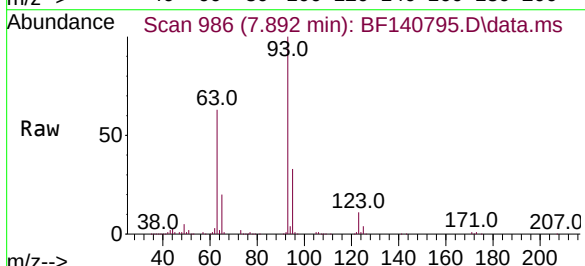
Tgt Ion: 93 Resp: 351072

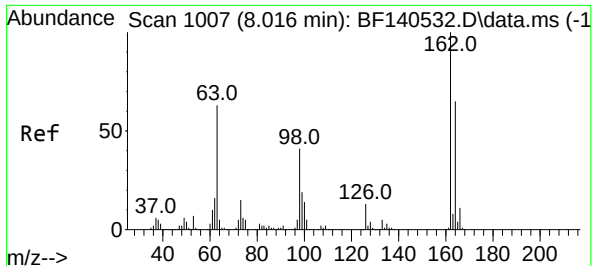
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 10.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 43.552 ng

RT: 8.016 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

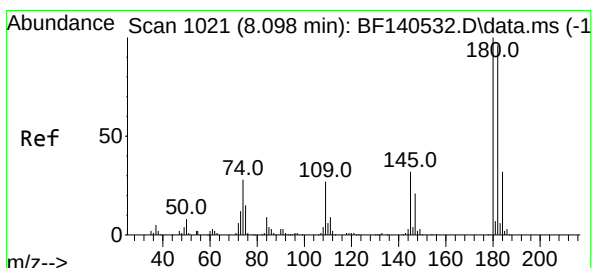
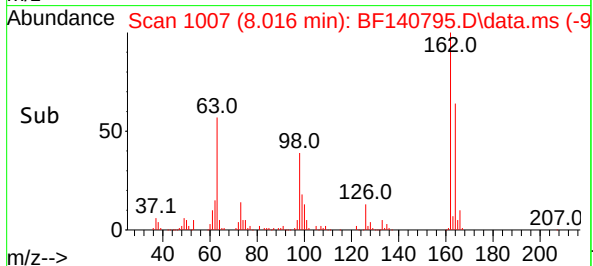
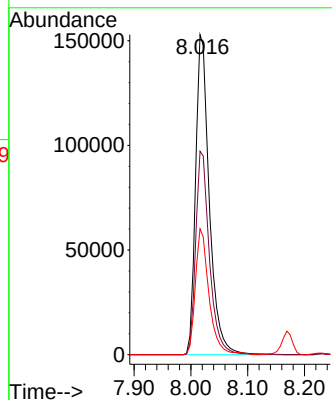
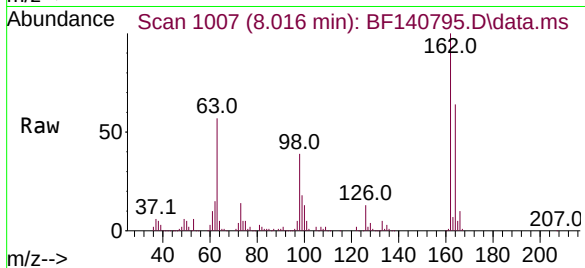
Tgt Ion:162 Resp: 257410

Ion Ratio Lower Upper

162 100

164 63.6 44.8 84.8

98 39.4 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 42.129 ng

RT: 8.086 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

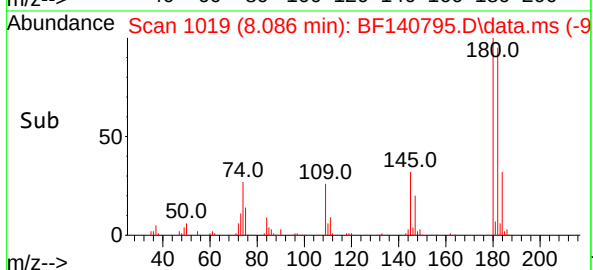
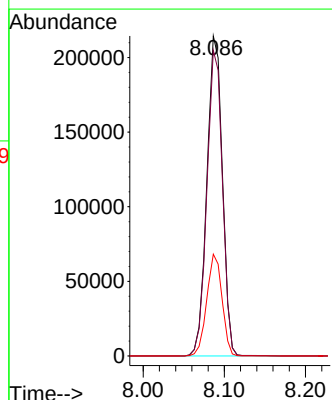
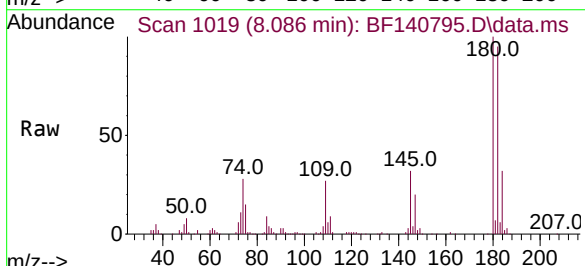
Tgt Ion:180 Resp: 284305

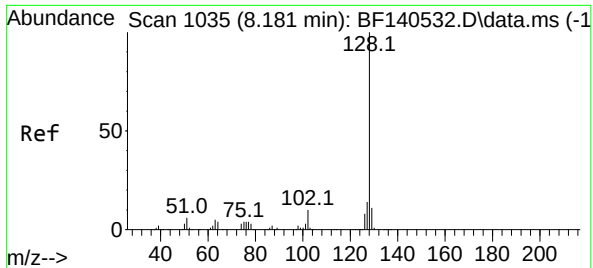
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.8 25.9 38.9

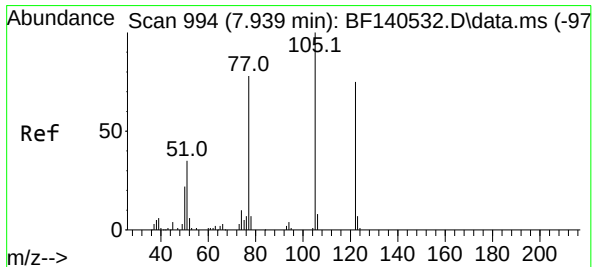
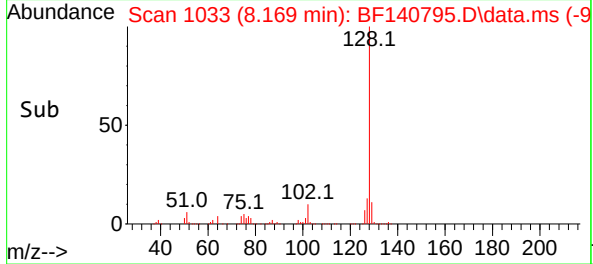
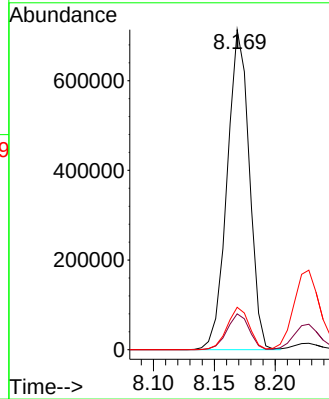
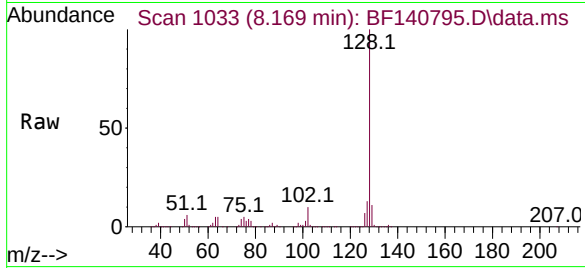




#31
Naphthalene
Concen: 42.194 ng
RT: 8.169 min Scan# 1035
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

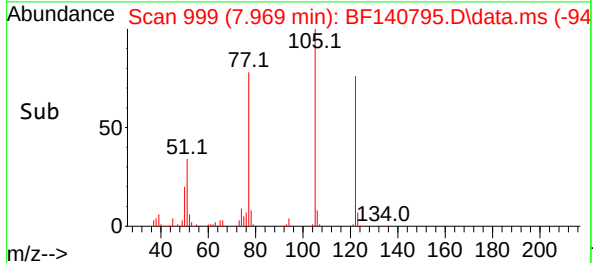
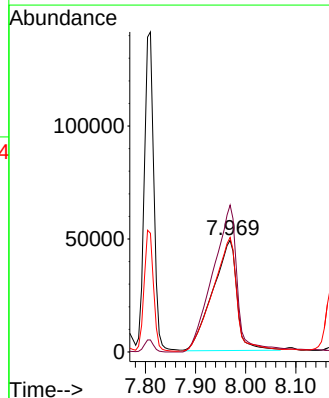
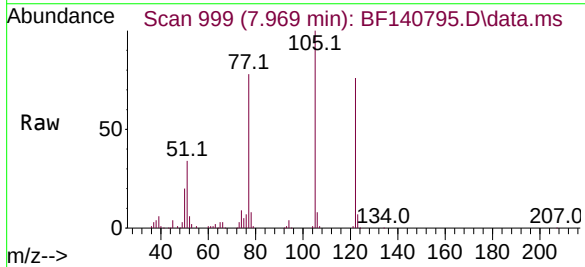
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

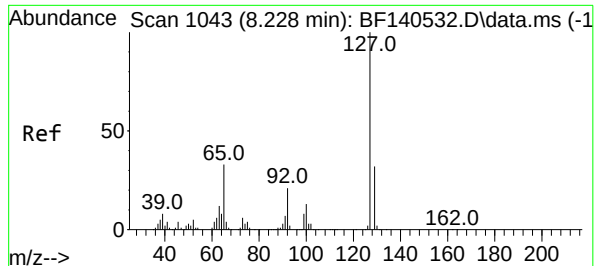
Tgt Ion:128 Resp: 904837
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 43.188 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.030 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:122 Resp: 164343
Ion Ratio Lower Upper
122 100
105 131.6 109.3 149.3
77 102.6 82.3 122.3





#33

4-Chloroaniline

Concen: 44.534 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 285939

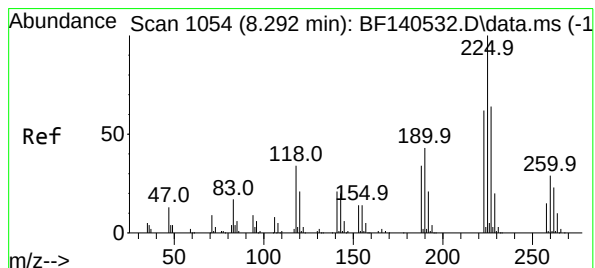
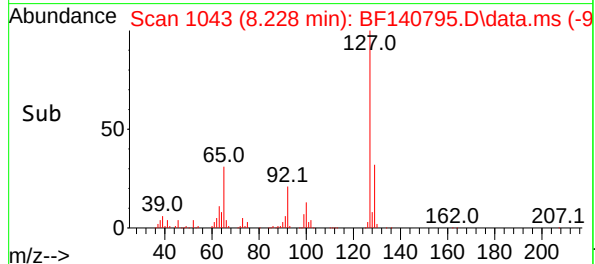
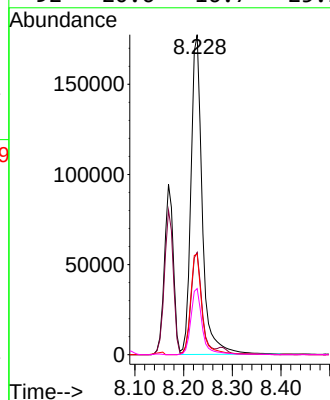
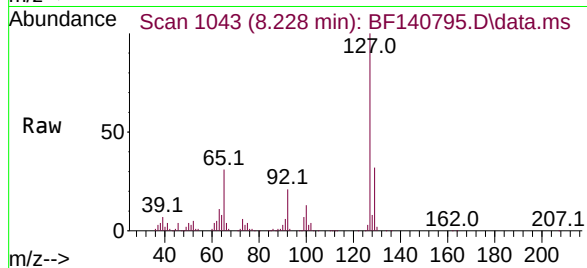
Ion Ratio Lower Upper

127 100

129 31.9 26.0 39.0

65 31.5 26.0 39.0

92 20.6 16.7 25.1



#34

Hexachlorobutadiene

Concen: 41.805 ng

RT: 8.281 min Scan# 1052

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

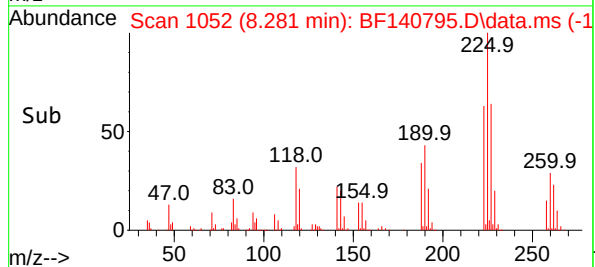
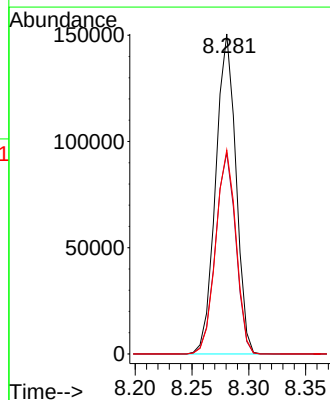
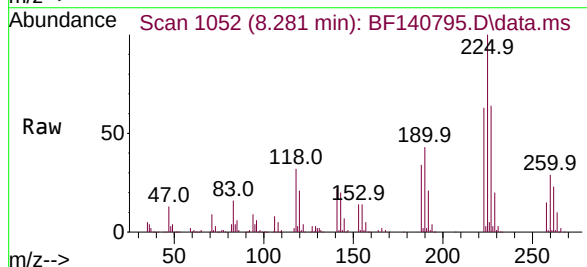
Tgt Ion:225 Resp: 186861

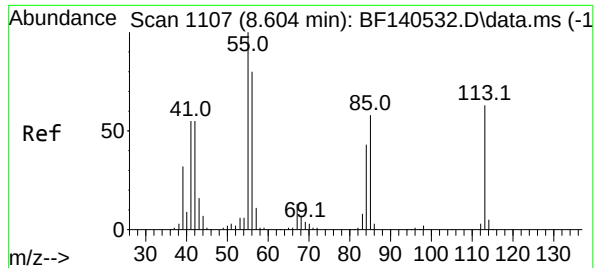
Ion Ratio Lower Upper

225 100

223 62.9 49.8 74.8

227 63.8 51.3 76.9





#35

Caprolactam

Concen: 42.750 ng m

RT: 8.604 min Scan# 1107

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

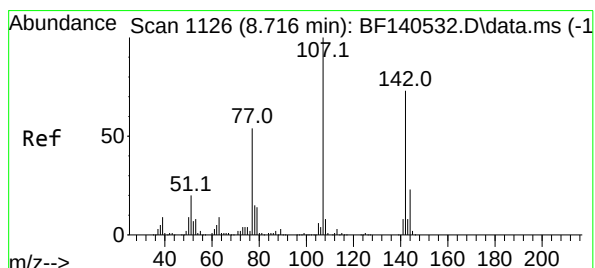
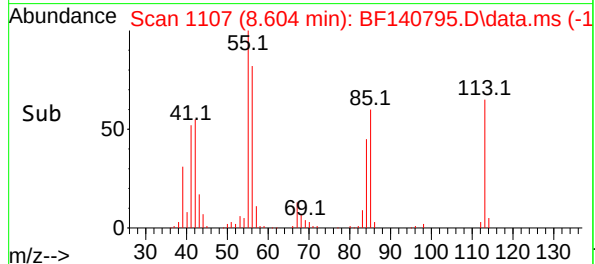
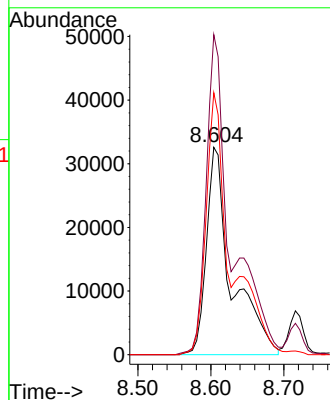
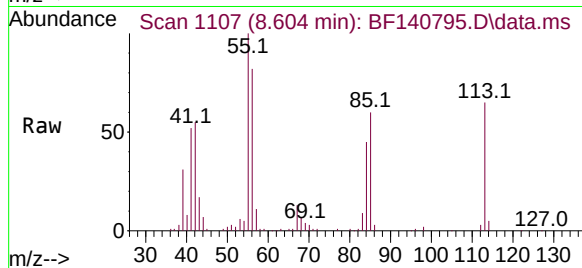
Tgt Ion:113 Resp: 78193

Ion Ratio Lower Upper

113 100

55 154.3 137.7 177.7

56 126.2 106.4 146.4



#36

4-Chloro-3-methylphenol

Concen: 42.744 ng

RT: 8.716 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

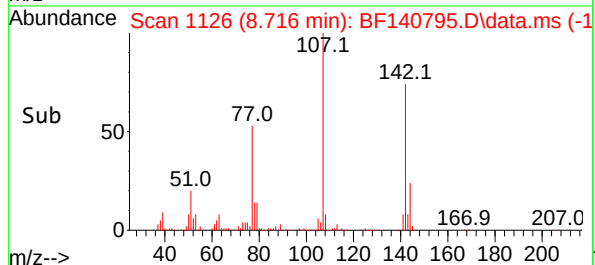
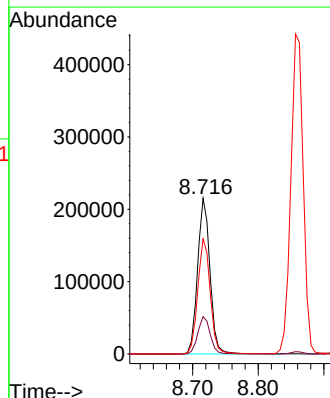
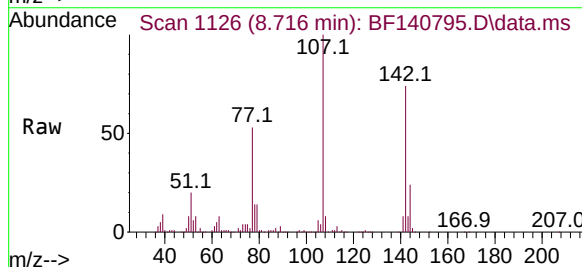
Tgt Ion:107 Resp: 282857

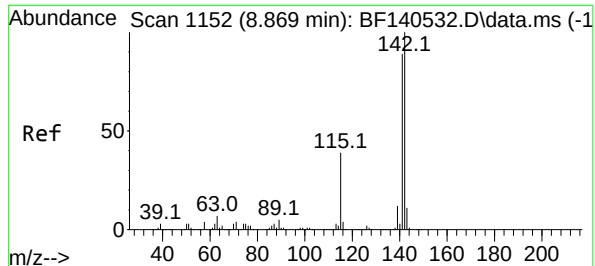
Ion Ratio Lower Upper

107 100

144 24.0 18.7 28.1

142 74.0 58.3 87.5





#37

2-Methylnaphthalene

Concen: 42.609 ng

RT: 8.857 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

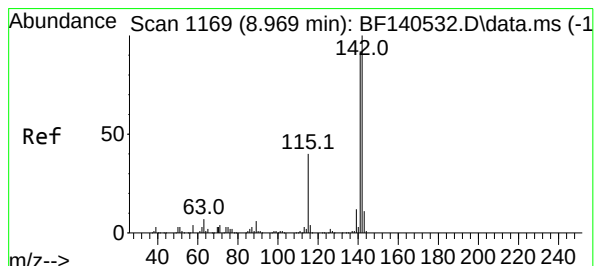
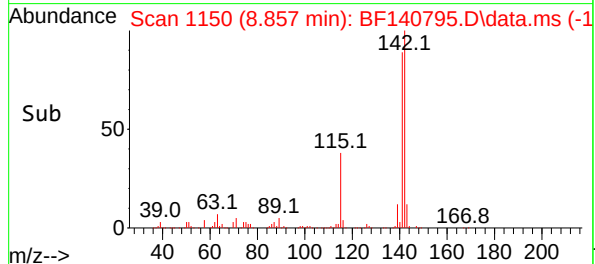
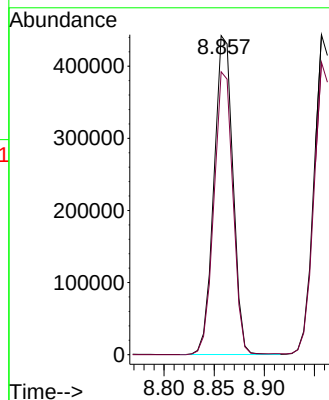
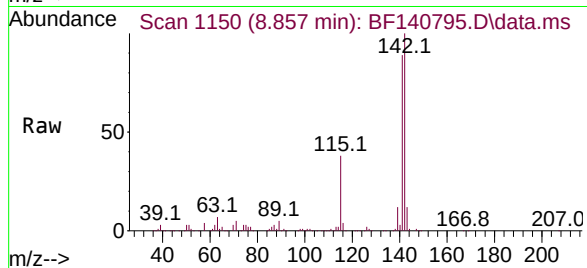
SSTDCCC040

Tgt Ion:142 Resp: 580377

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.6



#38

1-Methylnaphthalene

Concen: 42.449 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.012 min

Lab File: BF140795.D

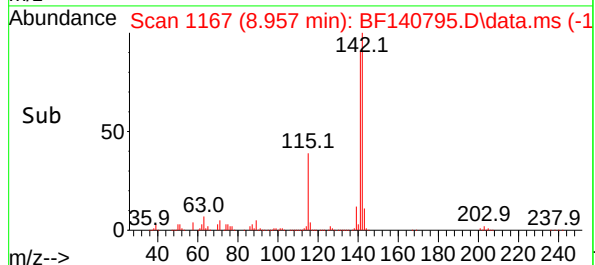
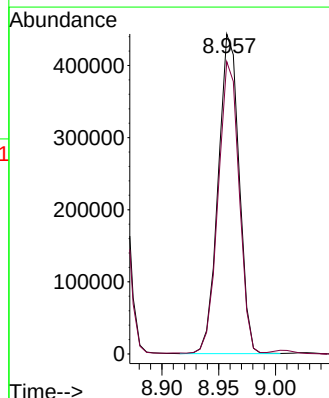
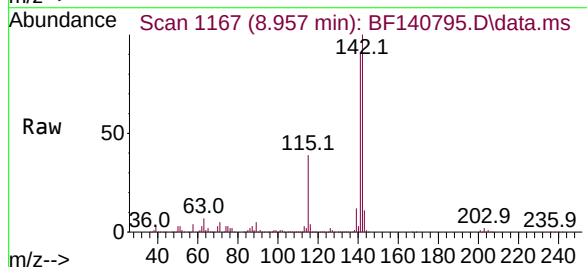
Acq: 10 Dec 2024 10:05

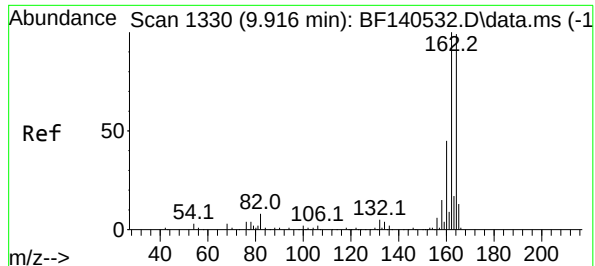
Tgt Ion:142 Resp: 566751

Ion Ratio Lower Upper

142 100

141 91.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

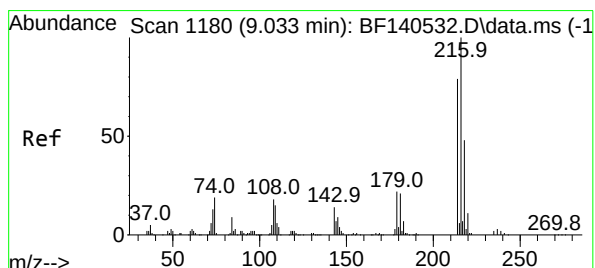
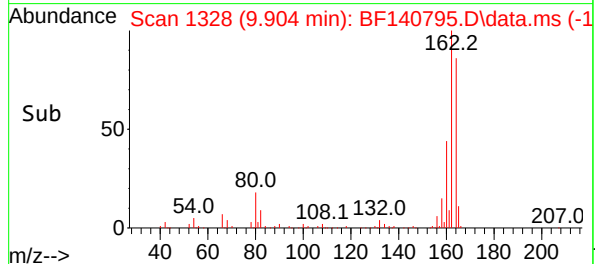
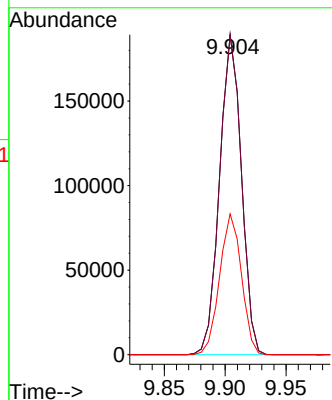
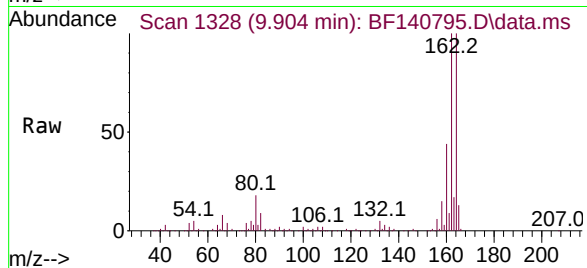
Tgt Ion:164 Resp: 236601

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

160 44.0 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.721 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Tgt Ion:216 Resp: 288981

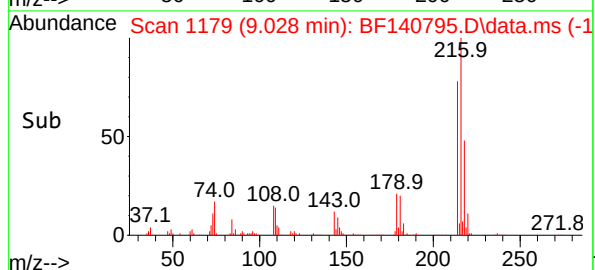
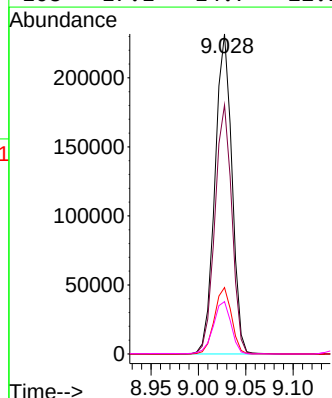
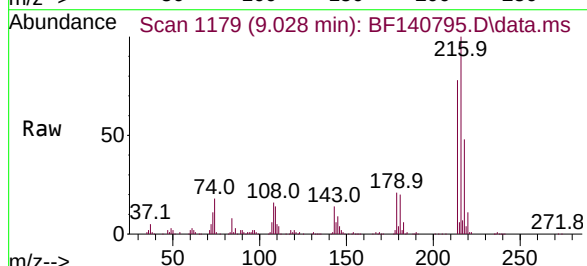
Ion Ratio Lower Upper

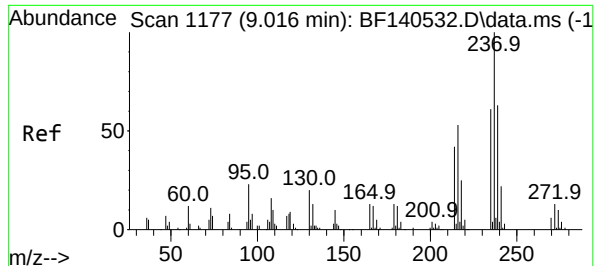
216 100

214 77.8 63.0 94.4

179 20.8 17.5 26.3

108 17.1 14.7 22.1

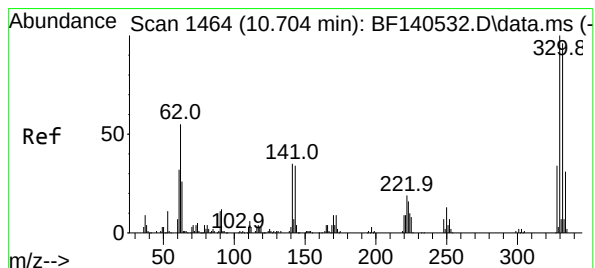
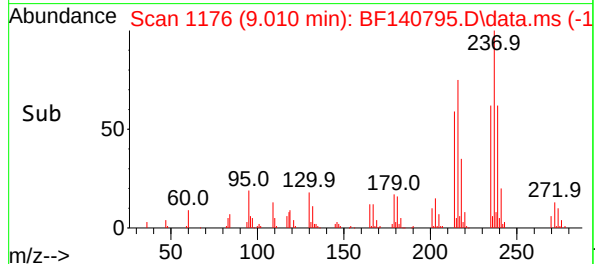
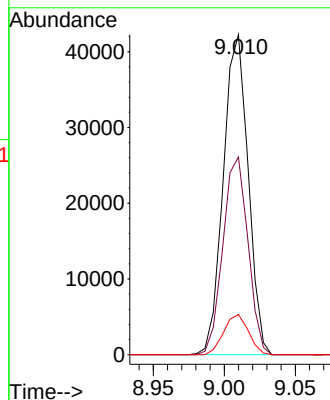
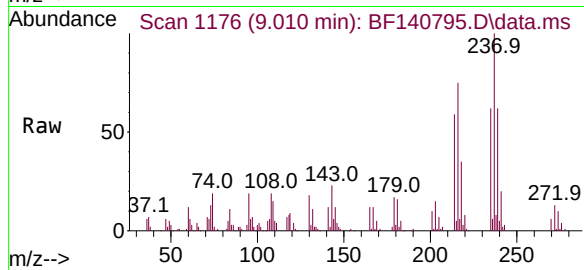




#41
Hexachlorocyclopentadiene
Concen: 37.278 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

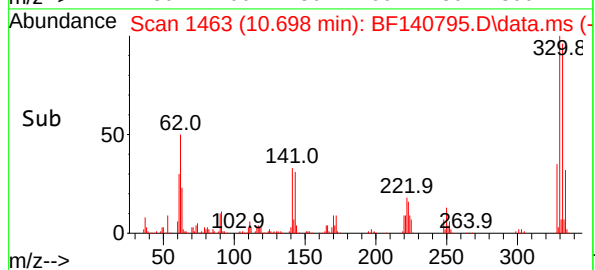
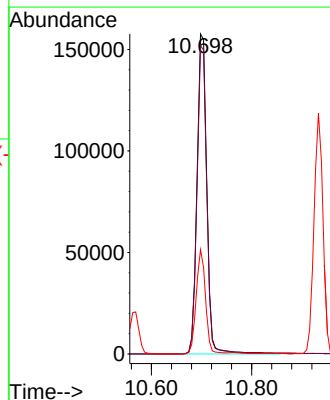
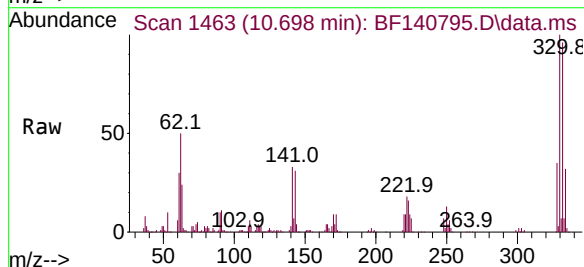
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

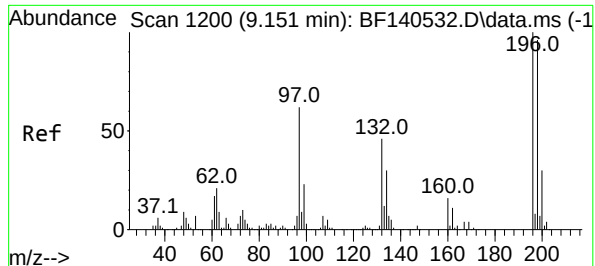
Tgt Ion:237 Resp: 51368
Ion Ratio Lower Upper
237 100
235 61.8 41.1 81.1
272 12.6 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 84.807 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:330 Resp: 214600
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 30.9 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 40.911 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

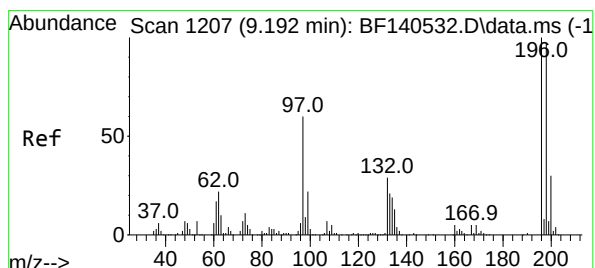
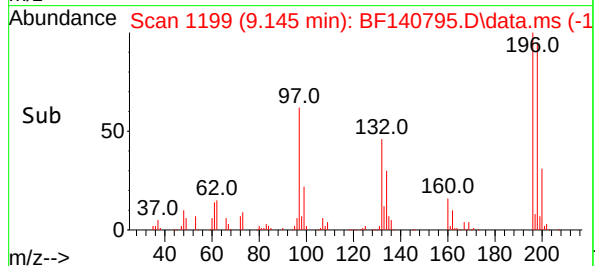
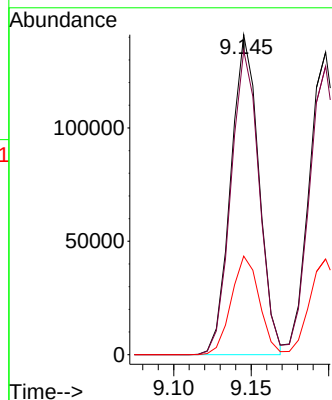
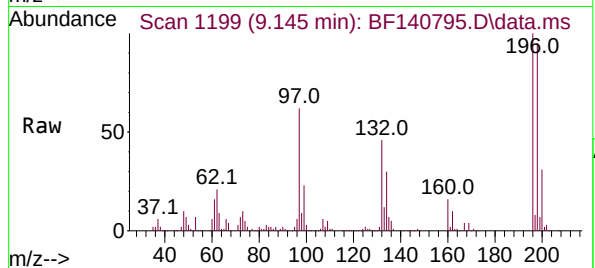
Tgt Ion:196 Resp: 177813

Ion Ratio Lower Upper

196 100

198 95.1 76.8 115.2

200 30.8 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 41.985 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Tgt Ion:196 Resp: 198042

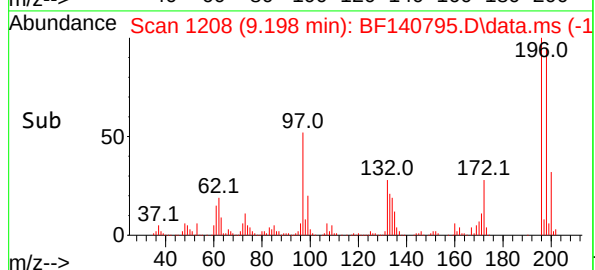
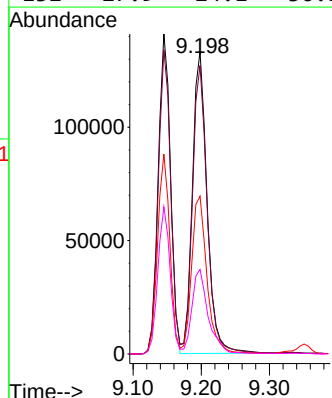
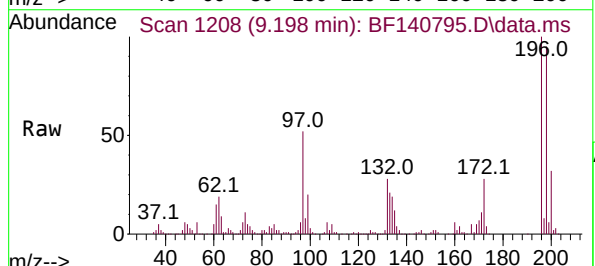
Ion Ratio Lower Upper

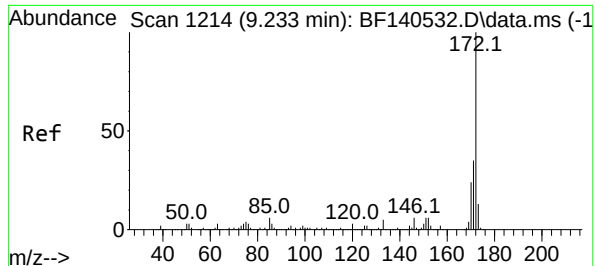
196 100

198 95.3 77.2 115.8

97 52.1 47.1 70.7

132 27.9 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 81.489 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

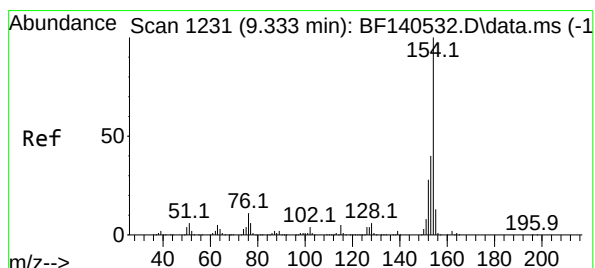
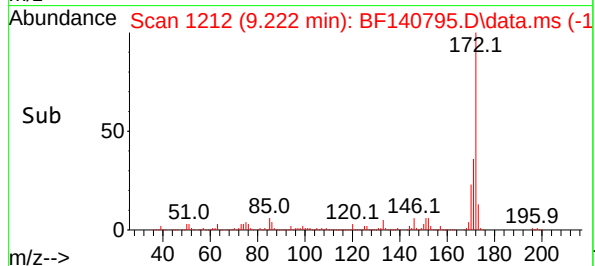
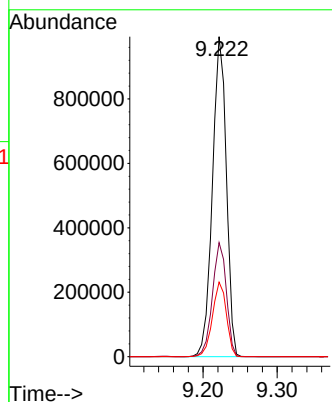
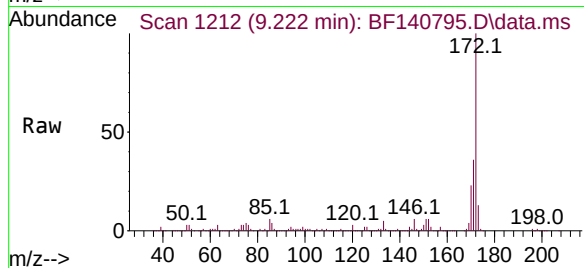
Tgt Ion:172 Resp: 1294041

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 41.786 ng

RT: 9.322 min Scan# 1229

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

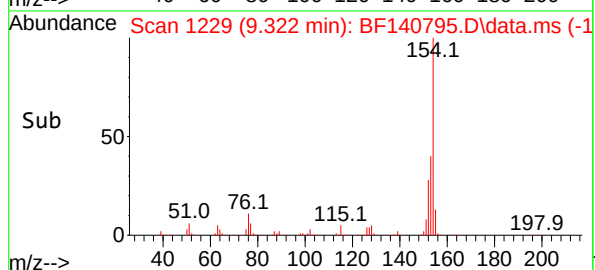
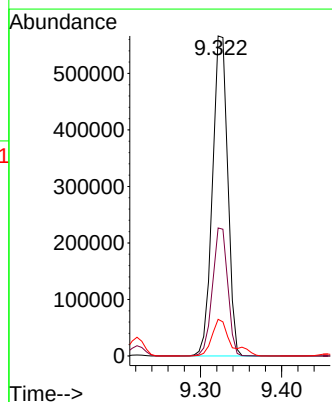
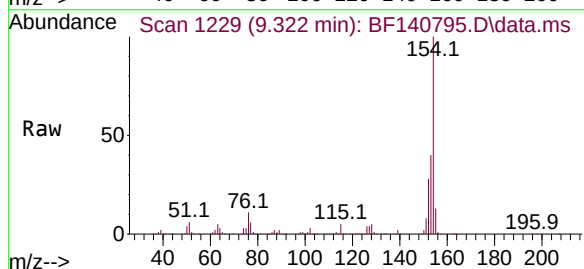
Tgt Ion:154 Resp: 738135

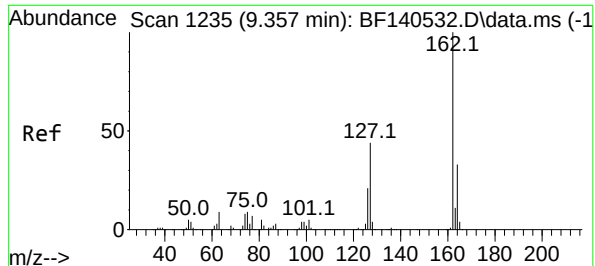
Ion Ratio Lower Upper

154 100

153 40.0 20.4 60.4

76 11.4 0.0 31.2





#47

2-Chloronaphthalene

Concen: 42.007 ng

RT: 9.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

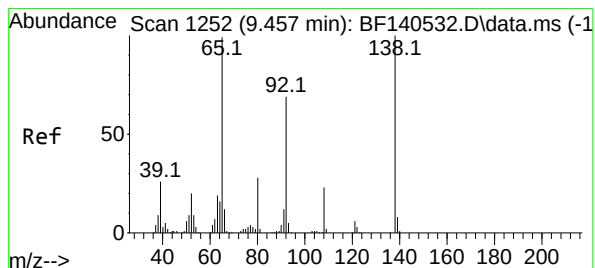
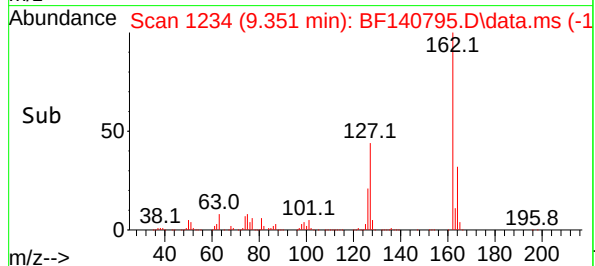
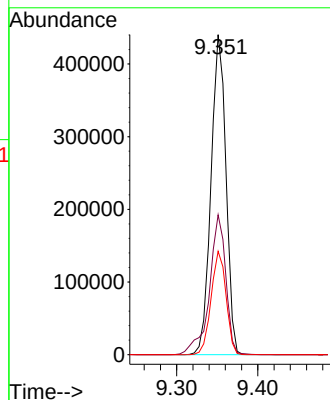
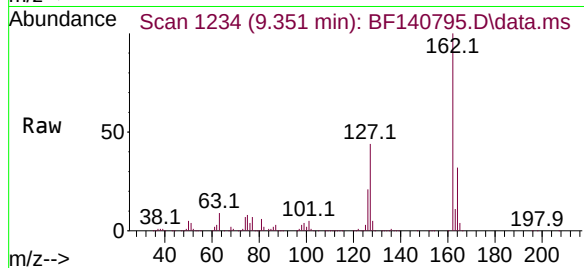
Tgt Ion:162 Resp: 562272

Ion Ratio Lower Upper

162 100

127 43.7 35.7 53.5

164 32.3 26.1 39.1



#48

2-Nitroaniline

Concen: 40.789 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

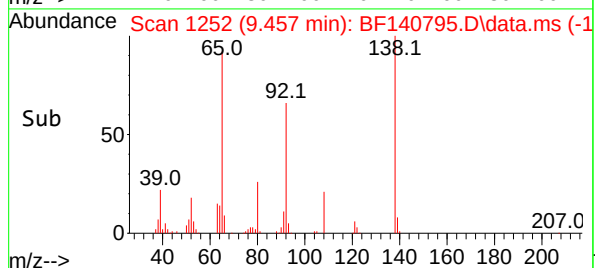
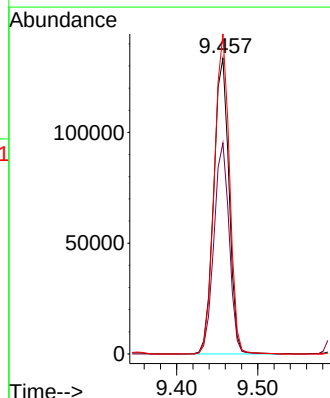
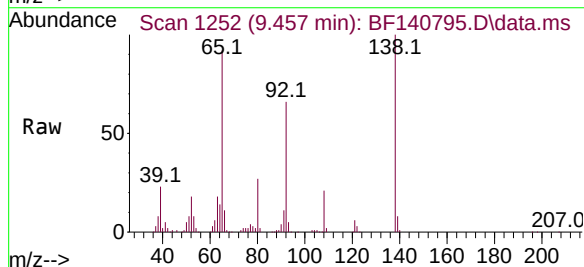
Tgt Ion: 65 Resp: 175242

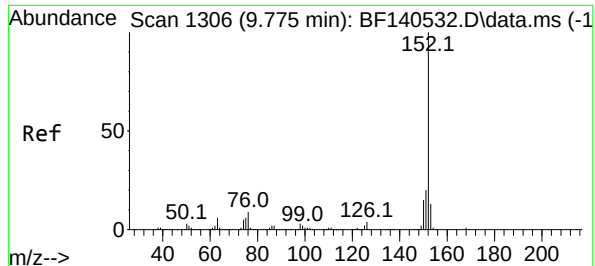
Ion Ratio Lower Upper

65 100

92 71.4 56.1 84.1

138 108.2 81.0 121.6





#49

Acenaphthylene

Concen: 40.609 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

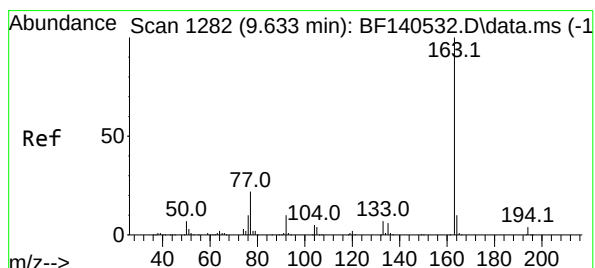
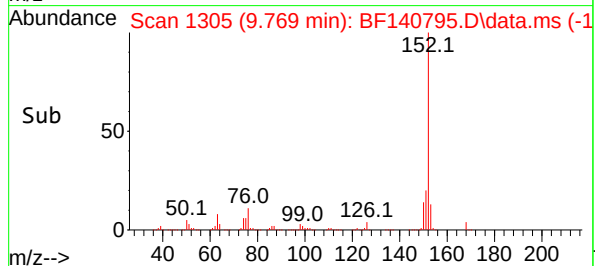
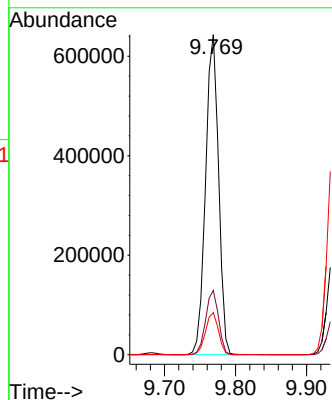
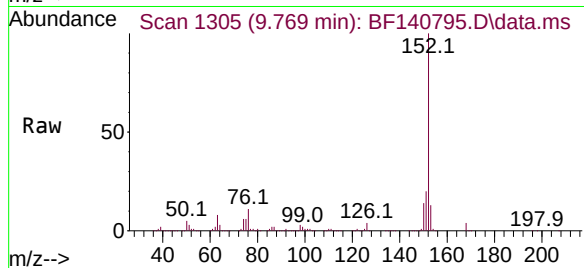
Tgt Ion:152 Resp: 821276

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 41.086 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

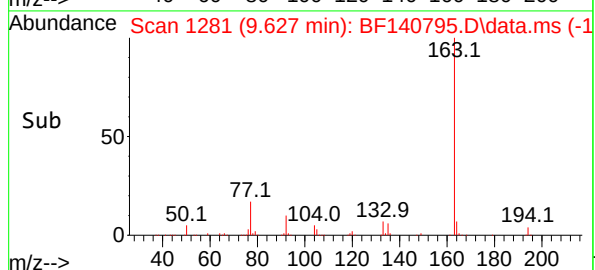
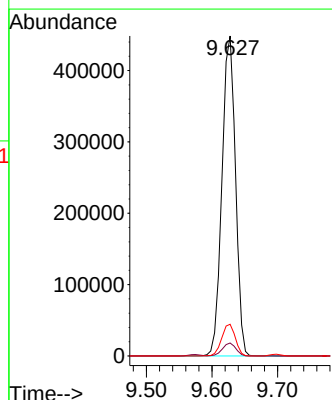
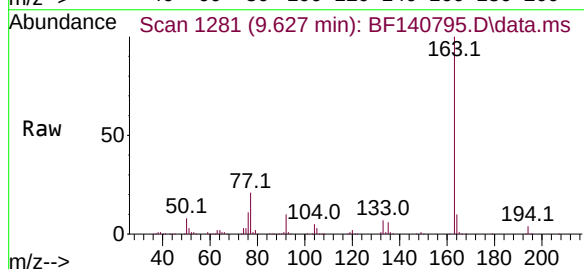
Tgt Ion:163 Resp: 640218

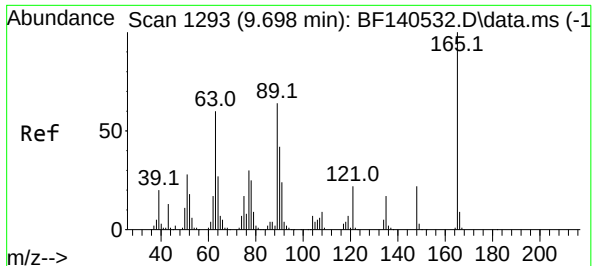
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 42.174 ng

RT: 9.698 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

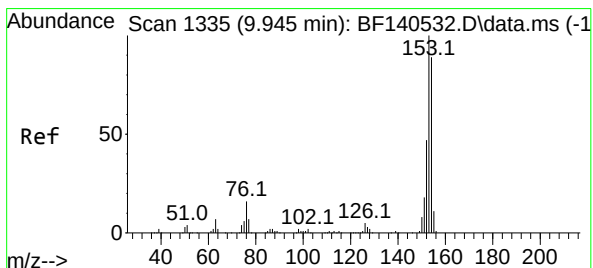
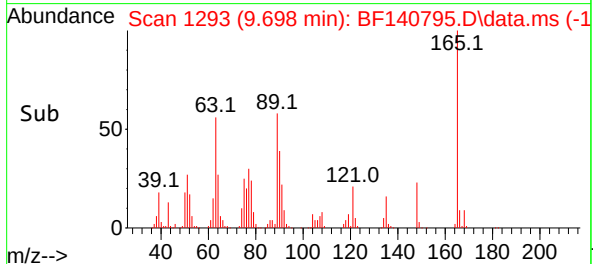
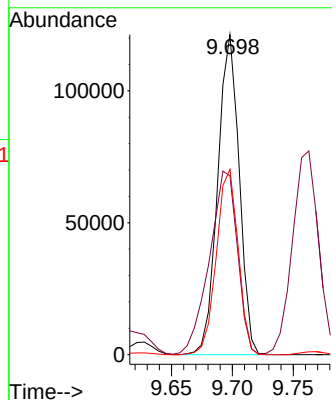
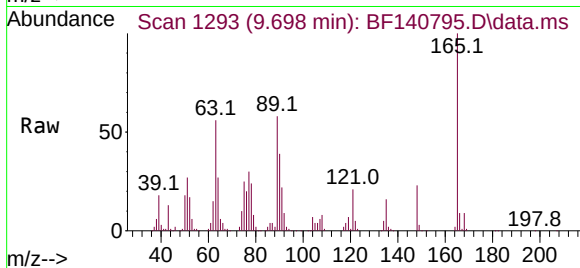
Tgt Ion:165 Resp: 149045

Ion Ratio Lower Upper

165 100

63 55.9 49.9 74.9

89 57.9 50.9 76.3



#52

Acenaphthene

Concen: 40.910 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

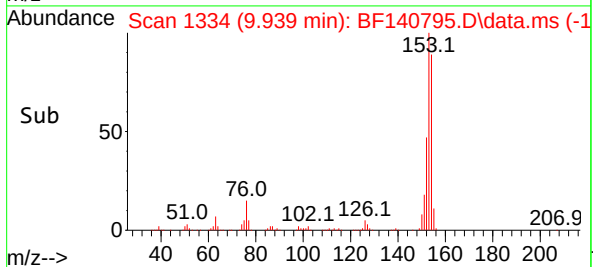
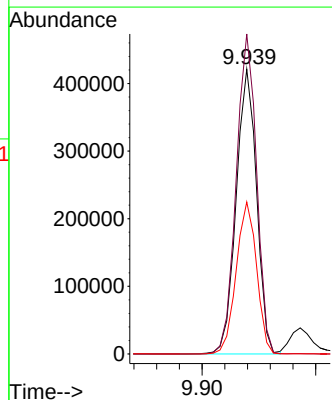
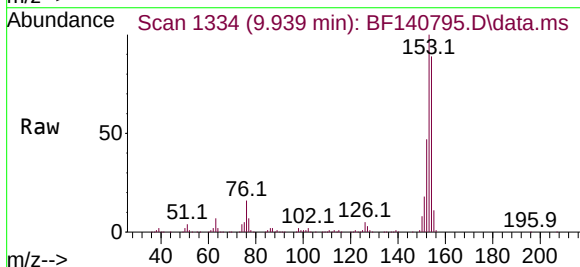
Tgt Ion:154 Resp: 525698

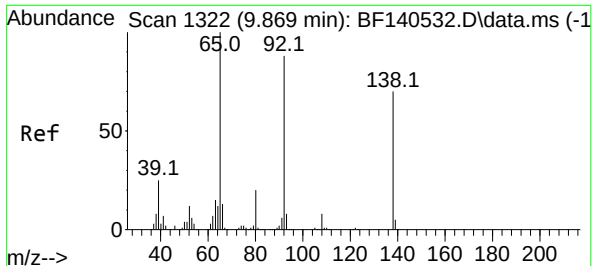
Ion Ratio Lower Upper

154 100

153 112.4 89.7 134.5

152 53.4 42.5 63.7

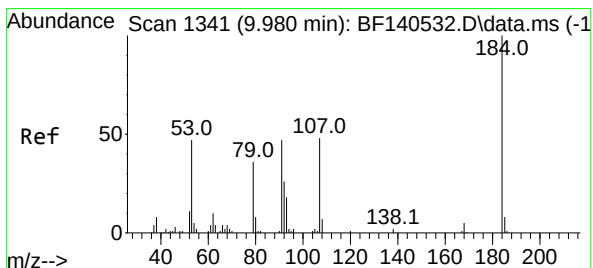
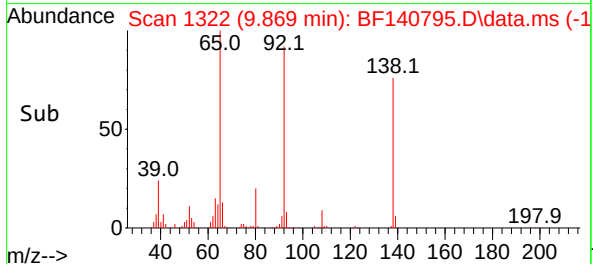
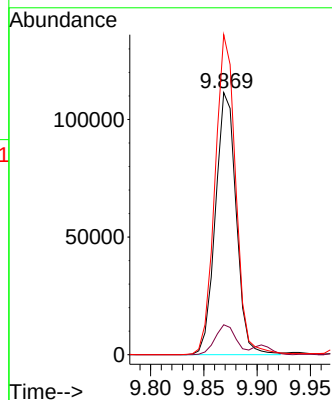
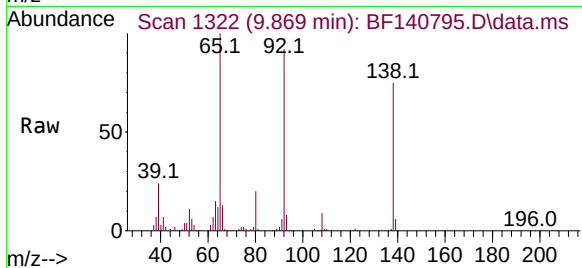




#53
3-Nitroaniline
Concen: 43.642 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

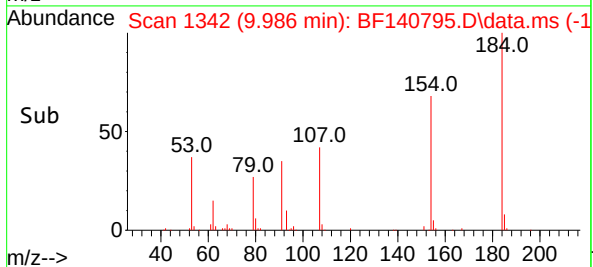
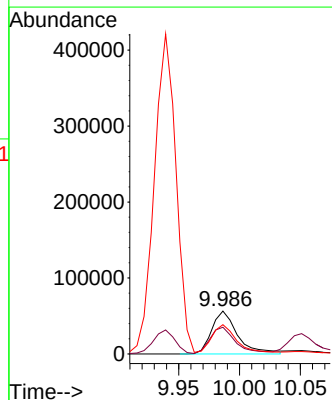
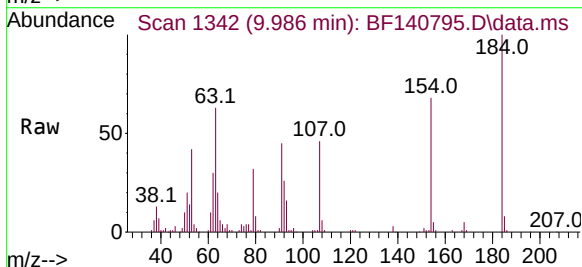
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

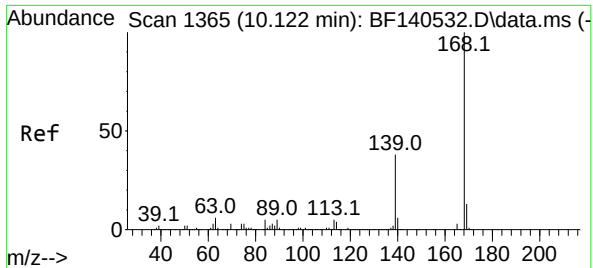
Tgt Ion:138 Resp: 150847
Ion Ratio Lower Upper
138 100
108 11.4 9.2 13.8
92 122.1 100.6 150.8



#54
2,4-Dinitrophenol
Concen: 49.090 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:184 Resp: 83716
Ion Ratio Lower Upper
184 100
63 62.5 54.1 81.1
154 68.3 57.4 86.0





#55

Dibenzofuran

Concen: 40.089 ng

RT: 10.110 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

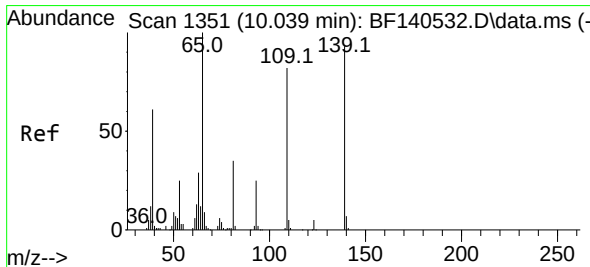
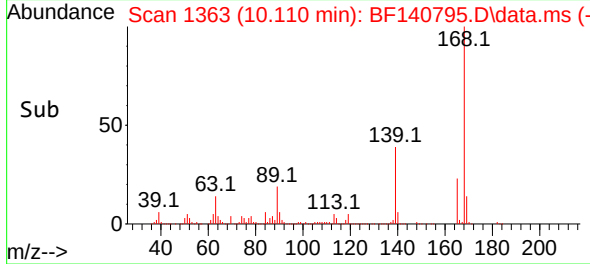
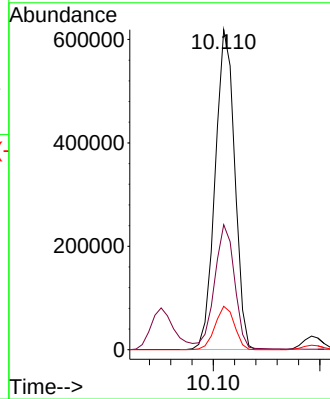
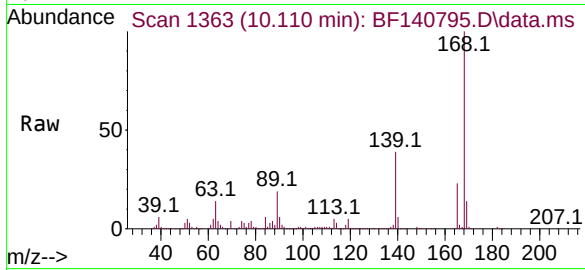
Tgt Ion:168 Resp: 785764

Ion Ratio Lower Upper

168 100

139 39.0 31.3 46.9

169 13.5 10.5 15.7



#56

4-Nitrophenol

Concen: 52.203 ng

RT: 10.051 min Scan# 1353

Delta R.T. 0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

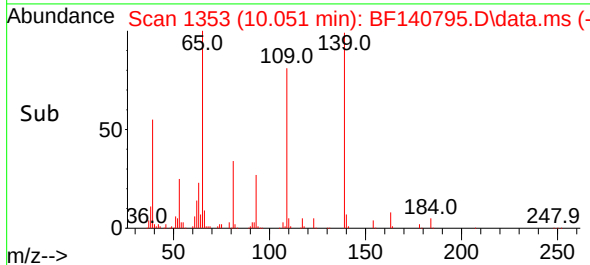
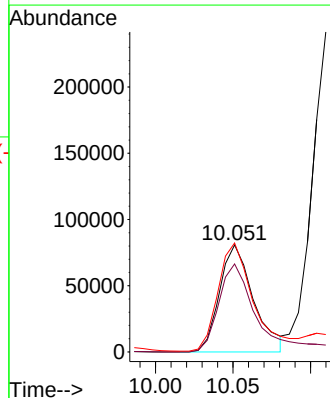
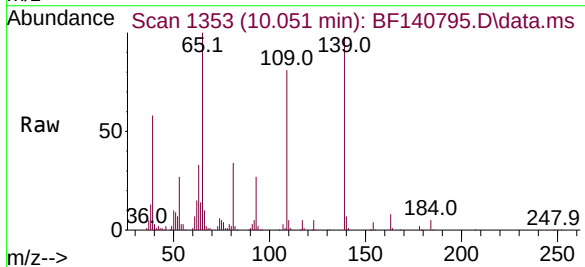
Tgt Ion:139 Resp: 123057

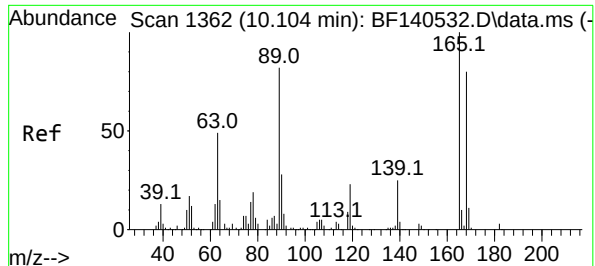
Ion Ratio Lower Upper

139 100

109 82.3 68.4 108.4

65 101.8 88.6 128.6

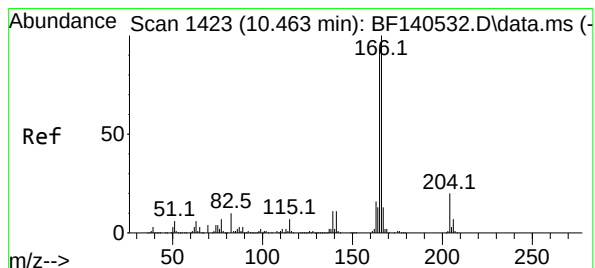
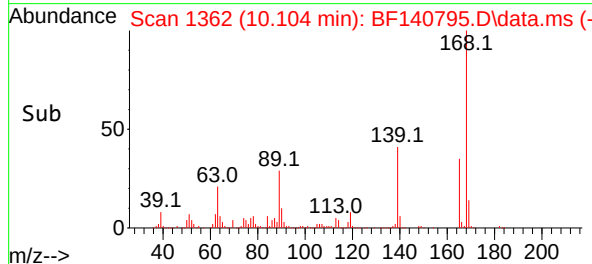
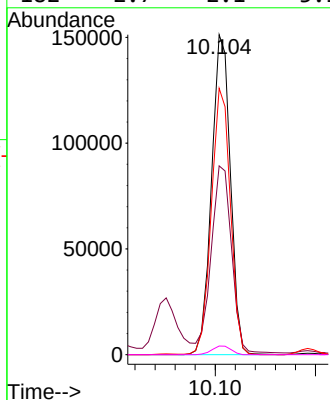
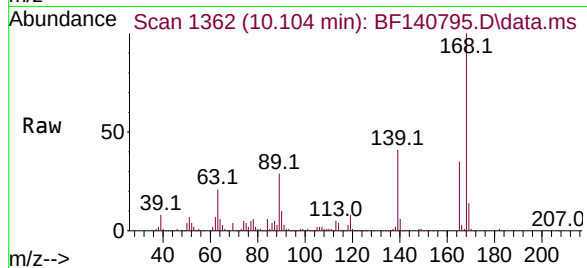




#57
2,4-Dinitrotoluene
Concen: 41.918 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

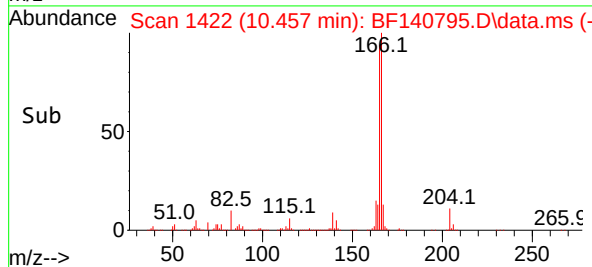
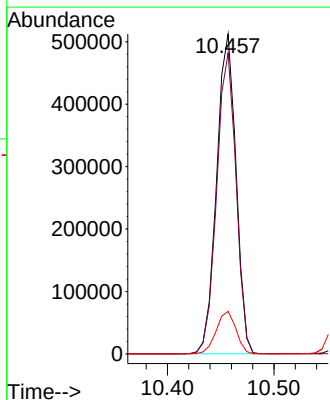
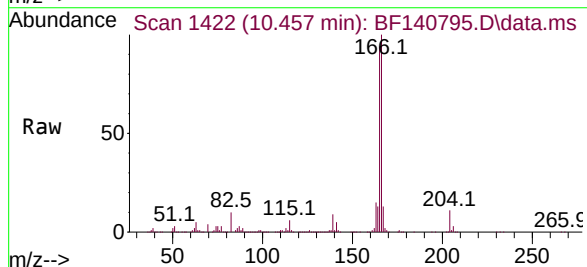
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

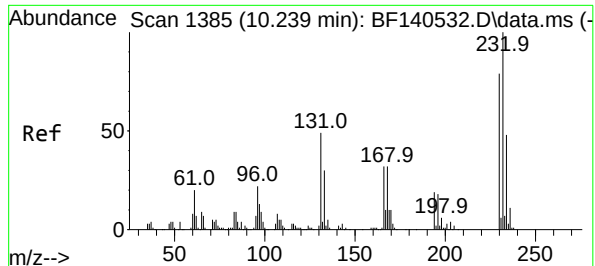
Tgt Ion:165 Resp: 196879
Ion Ratio Lower Upper
165 100
63 59.0 41.7 62.5
89 83.3 65.8 98.8
182 2.7 2.1 3.1



#58
Fluorene
Concen: 41.100 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:166 Resp: 646619
Ion Ratio Lower Upper
166 100
165 94.0 74.6 111.8
167 13.3 10.6 16.0

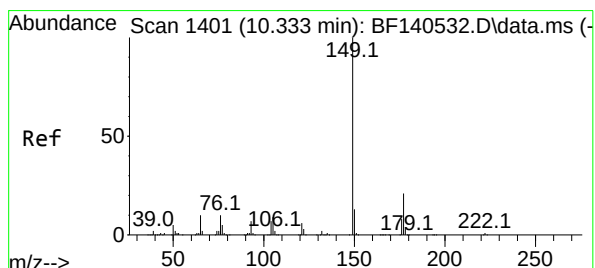
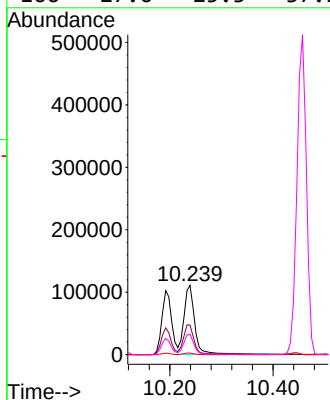
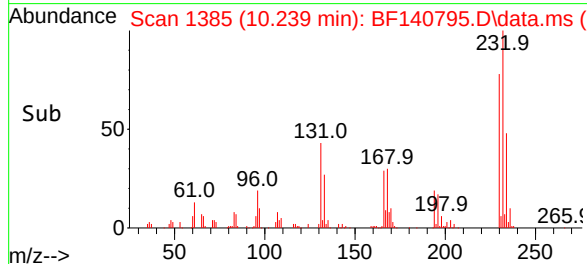
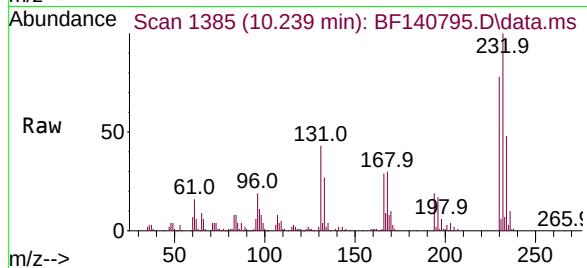




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.762 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

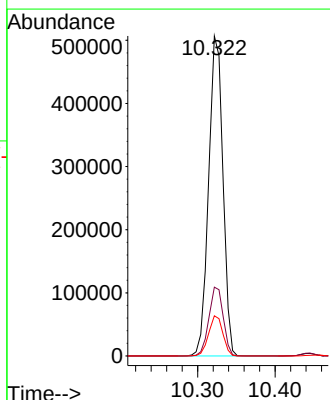
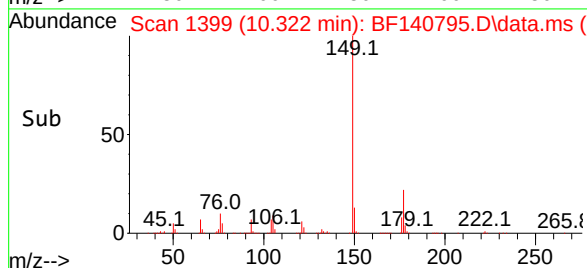
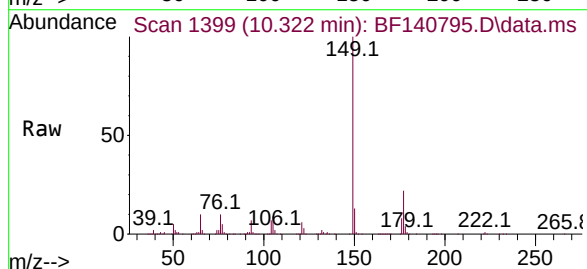
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

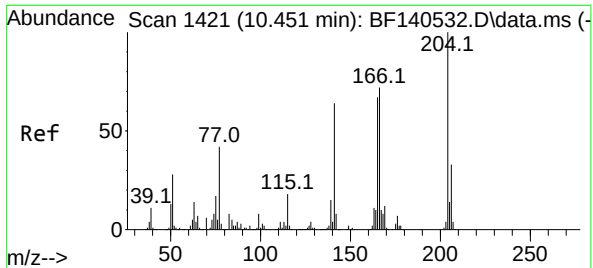
Tgt Ion:232 Resp: 158644
Ion Ratio Lower Upper
232 100
131 42.2 39.6 59.4
130 2.3 1.9 2.9
166 27.6 25.3 37.9



#60
Diethylphthalate
Concen: 41.056 ng
RT: 10.322 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:149 Resp: 649999
Ion Ratio Lower Upper
149 100
177 21.5 17.1 25.7
150 12.6 10.1 15.1

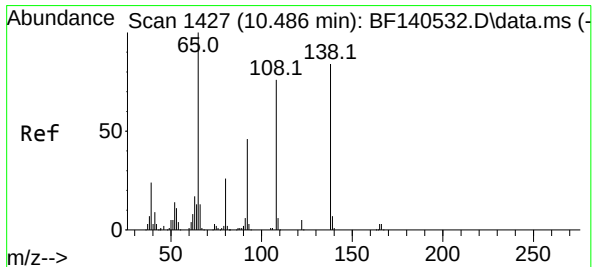
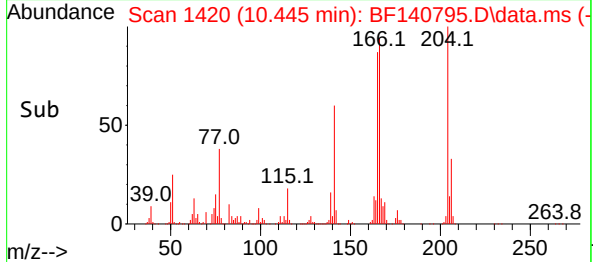
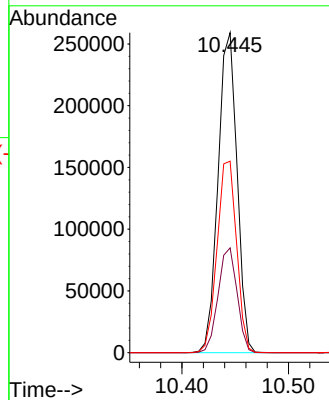
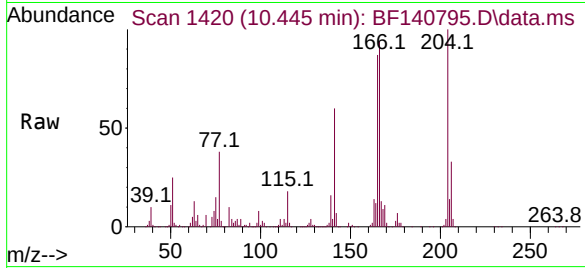




#61
4-Chlorophenyl-phenylether
Concen: 41.479 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

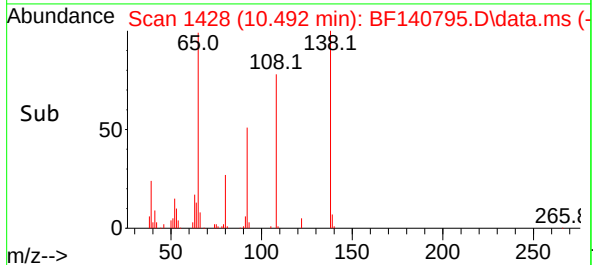
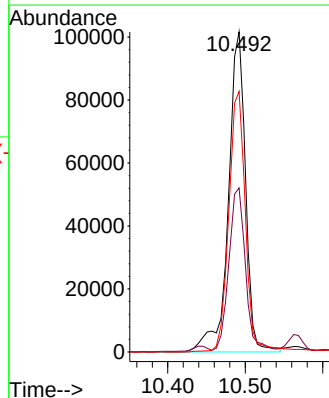
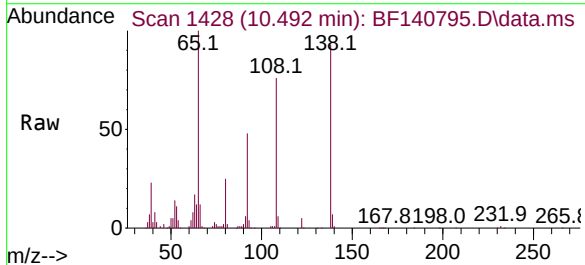
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

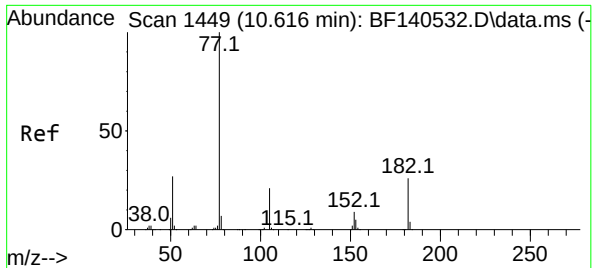
Tgt Ion:204 Resp: 320255
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 59.8 51.1 76.7



#62
4-Nitroaniline
Concen: 43.270 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:138 Resp: 156861
Ion Ratio Lower Upper
138 100
92 51.3 34.5 74.5
108 81.4 70.6 110.6

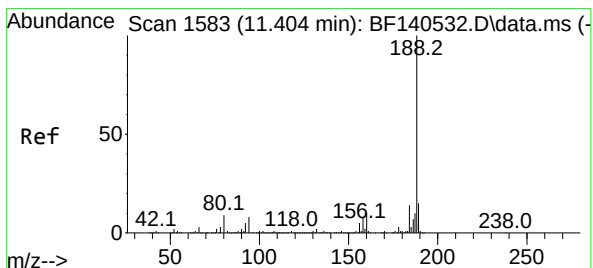
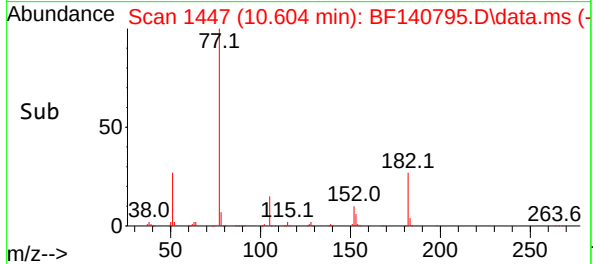
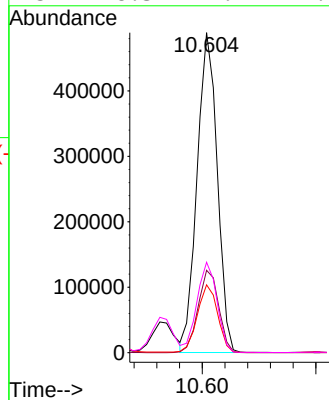
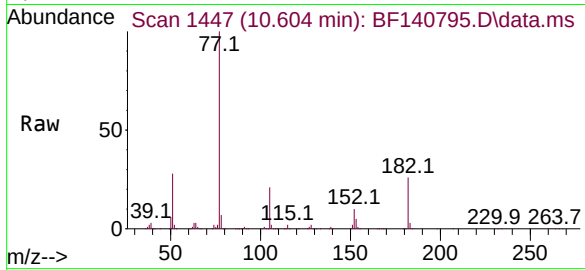




#63
Azobenzene
Concen: 40.212 ng
RT: 10.604 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

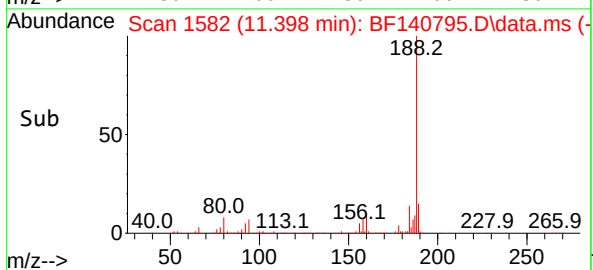
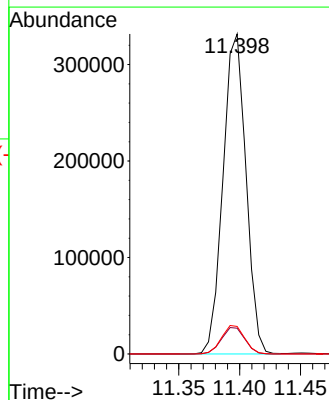
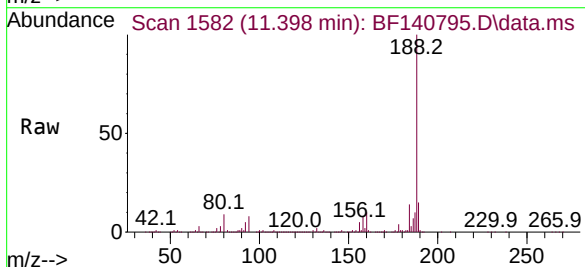
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

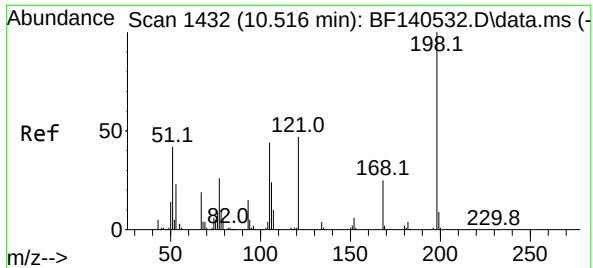
Tgt Ion: 77	Resp: 602888
Ion Ratio	Lower Upper
77 100	
182 25.7	5.3 45.3
105 21.2	0.3 40.3
51 28.3	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:188	Resp: 435620
Ion Ratio	Lower Upper
188 100	
94 8.1	6.4 9.6
80 8.6	6.9 10.3

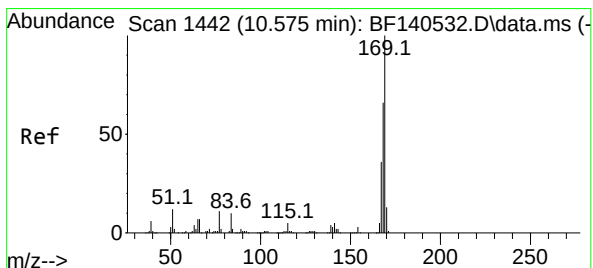
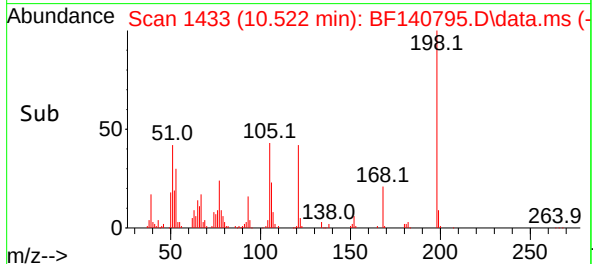
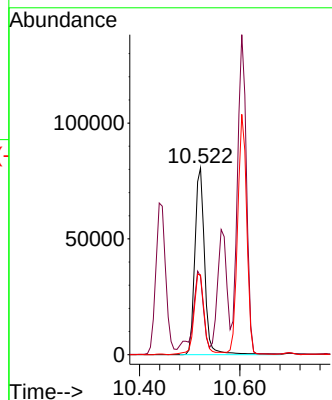
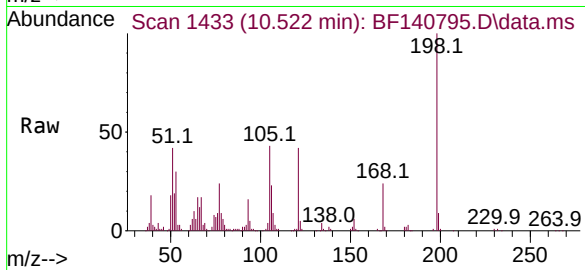




#65
4,6-Dinitro-2-methylphenol
Concen: 49.188 ng
RT: 10.522 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

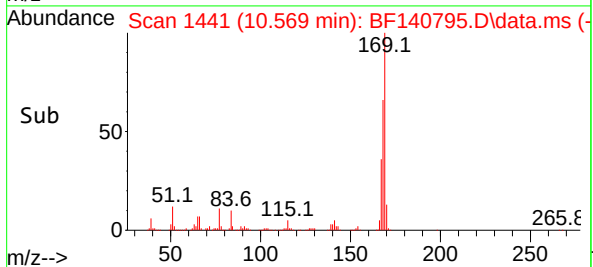
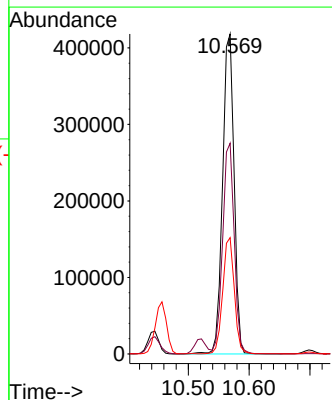
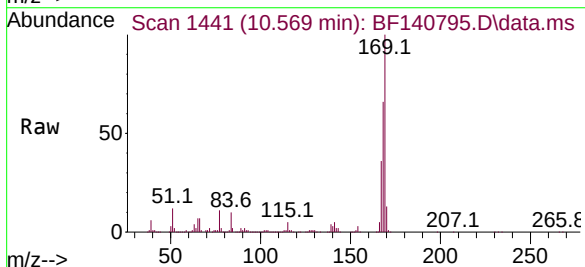
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

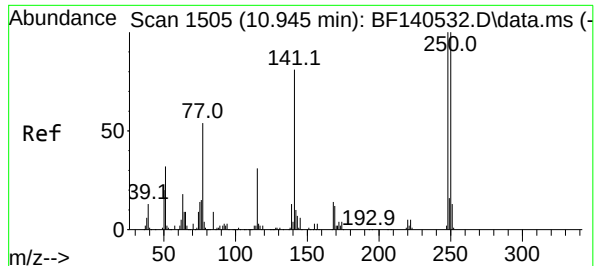
Tgt Ion:198 Resp: 109495
Ion Ratio Lower Upper
198 100
51 41.9 29.4 69.4
105 42.8 25.4 65.4



#66
n-Nitrosodiphenylamine
Concen: 42.412 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

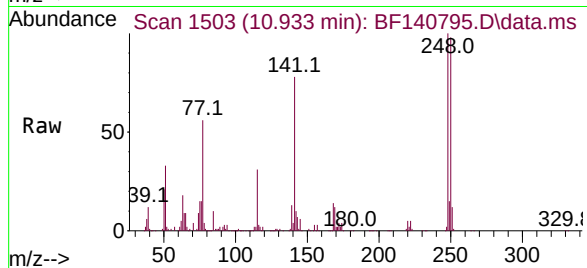
Tgt Ion:169 Resp: 546366
Ion Ratio Lower Upper
169 100
168 65.8 53.2 79.8
167 36.3 29.0 43.6



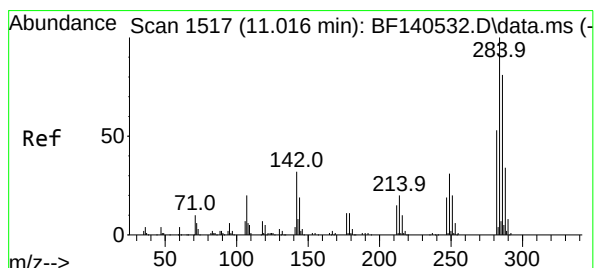
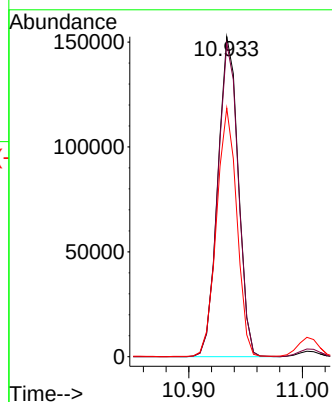
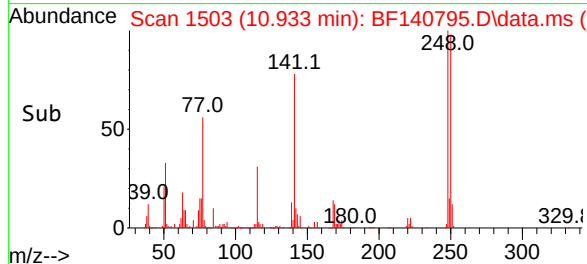


#67
4-Bromophenyl-phenylether
Concen: 42.636 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

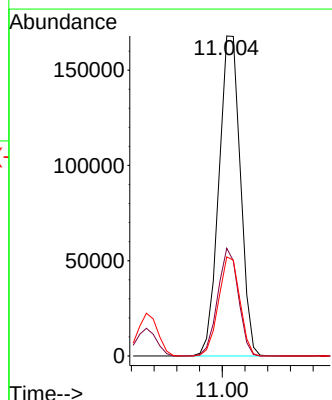
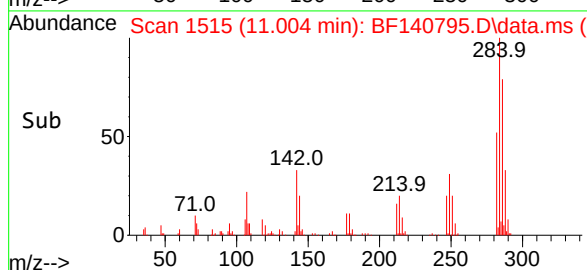
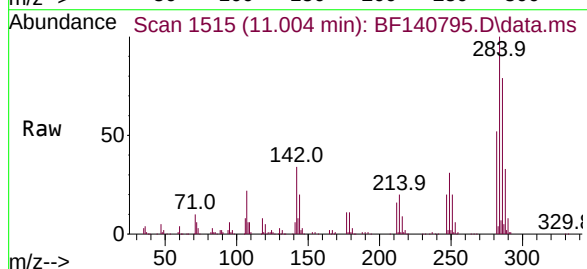


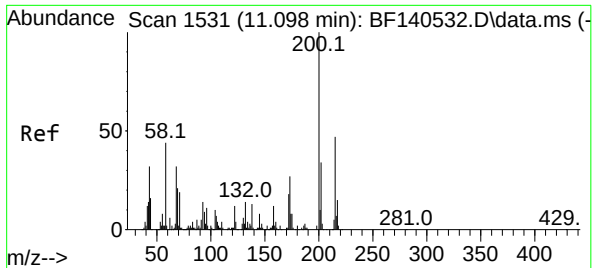
Tgt Ion:248 Resp: 191275
Ion Ratio Lower Upper
248 100
250 97.9 79.8 119.8
141 77.7 64.7 97.1



#68
Hexachlorobenzene
Concen: 42.582 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.012 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:284 Resp: 221195
Ion Ratio Lower Upper
284 100
142 33.7 25.3 37.9
249 31.0 24.8 37.2





#69

Atrazine

Concen: 33.350 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

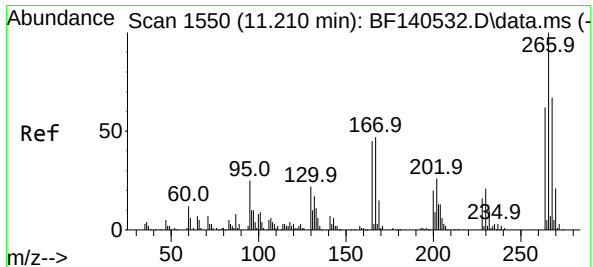
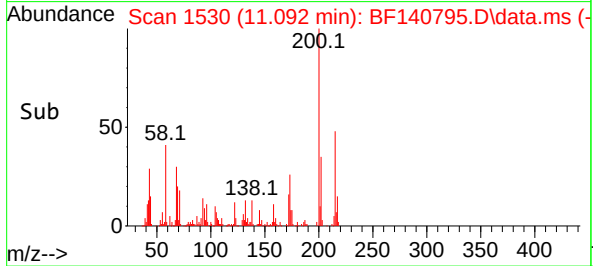
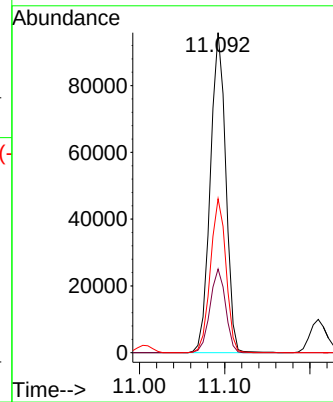
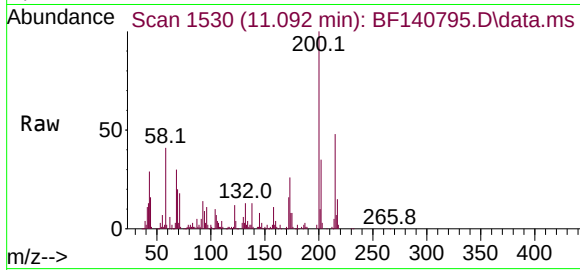
Tgt Ion:200 Resp: 120863

Ion Ratio Lower Upper

200 100

173 26.1 7.0 47.0

215 48.1 26.7 66.7



#70

Pentachlorophenol

Concen: 36.413 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

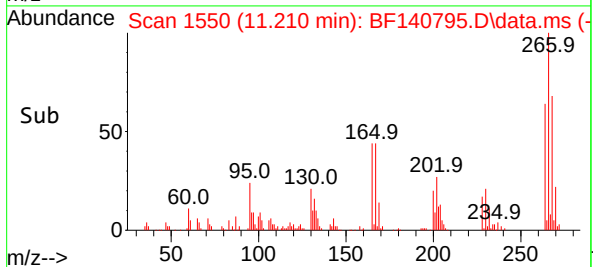
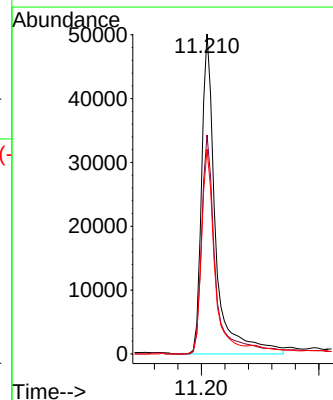
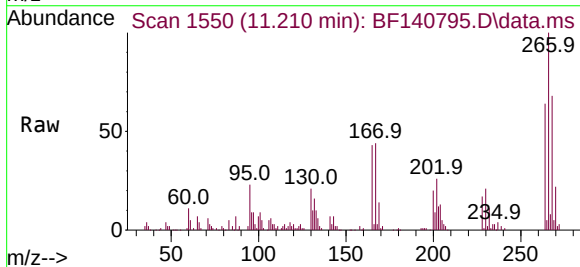
Tgt Ion:266 Resp: 83249

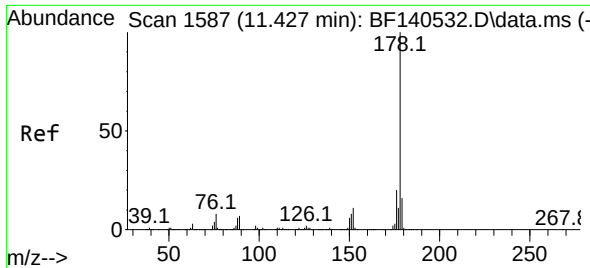
Ion Ratio Lower Upper

266 100

268 68.4 53.7 80.5

264 64.0 49.8 74.8

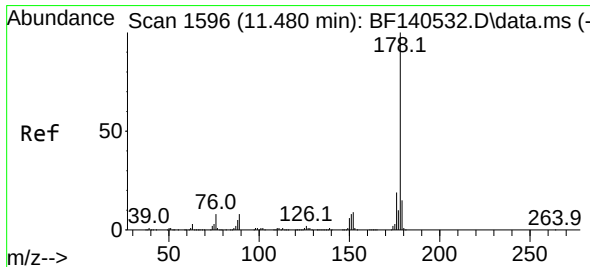
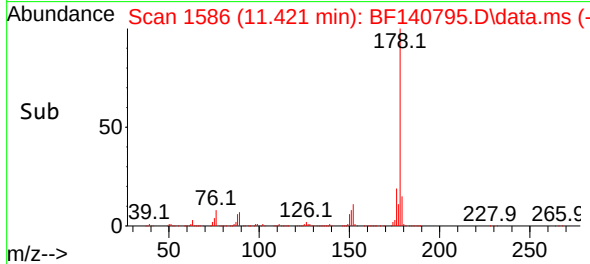
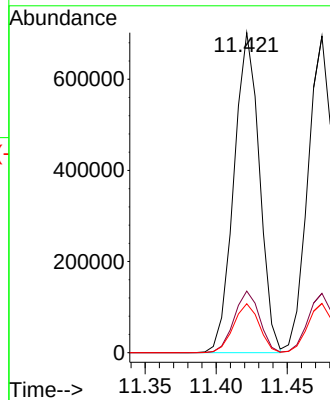
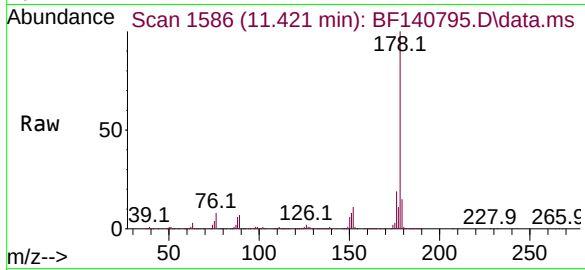




#71
Phenanthrene
Concen: 42.018 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

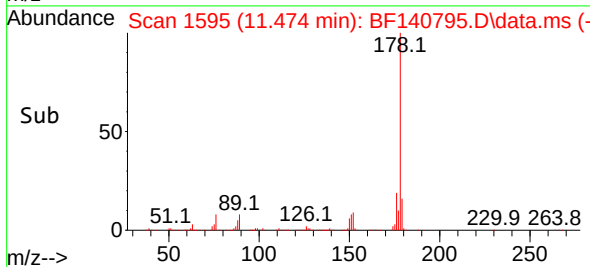
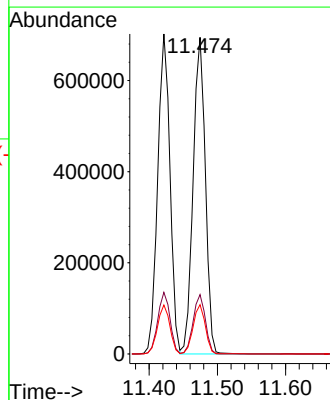
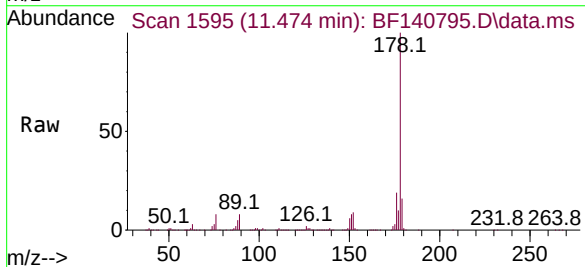
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

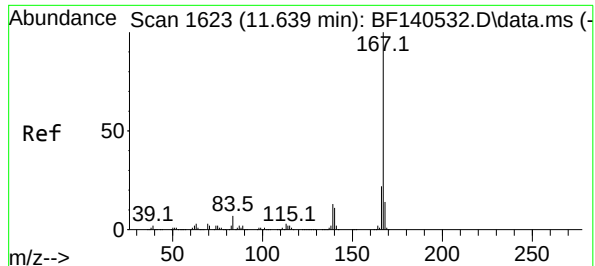
Tgt Ion:178 Resp: 879846
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.3 12.4 18.6



#72
Anthracene
Concen: 42.092 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:178 Resp: 862183
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.2 18.4

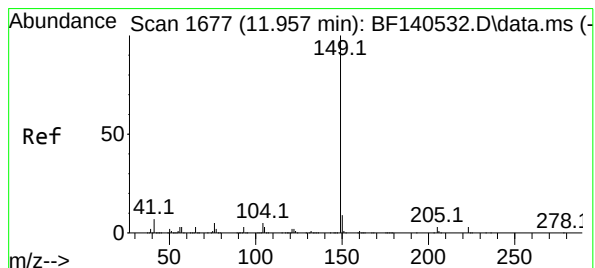
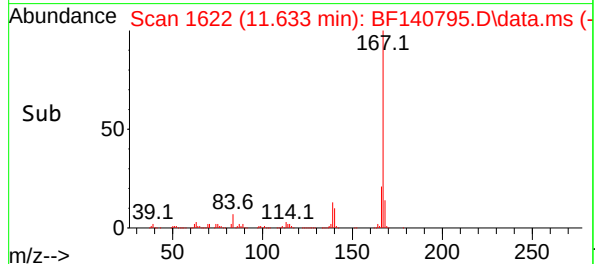
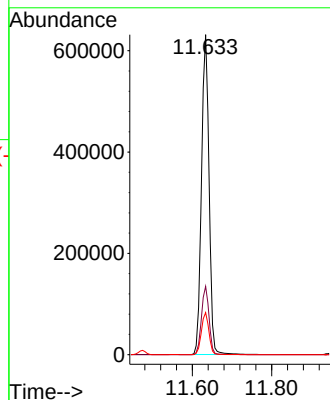
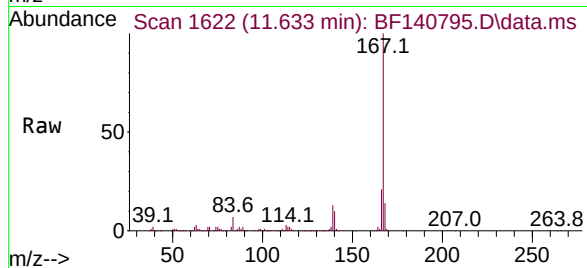




#73
Carbazole
Concen: 42.144 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

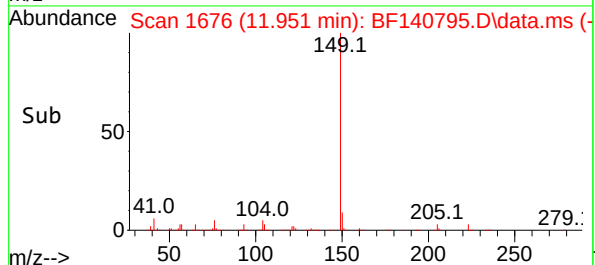
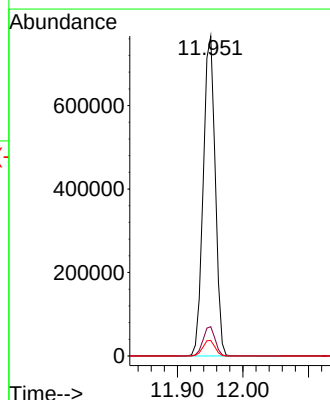
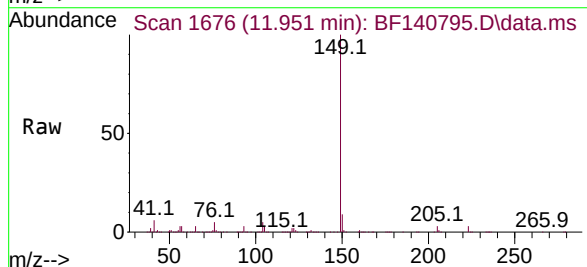
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

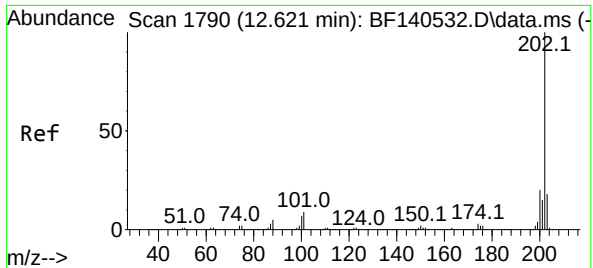
Tgt Ion:167 Resp: 830443
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 13.1 10.6 15.8



#74
Di-n-butylphthalate
Concen: 42.835 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:149 Resp: 974455
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 4.9 4.1 6.1

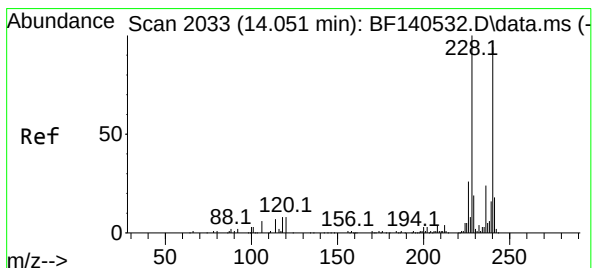
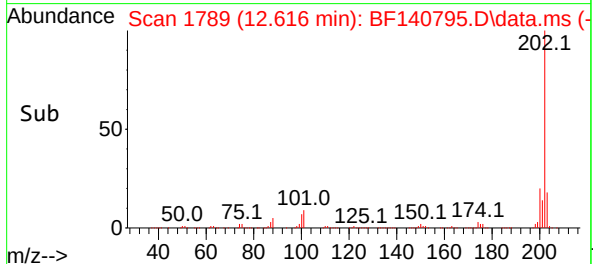
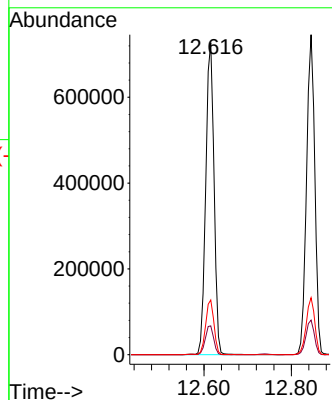
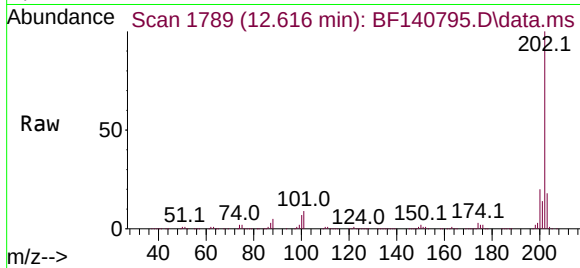




#75
Fluoranthene
Concen: 42.238 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

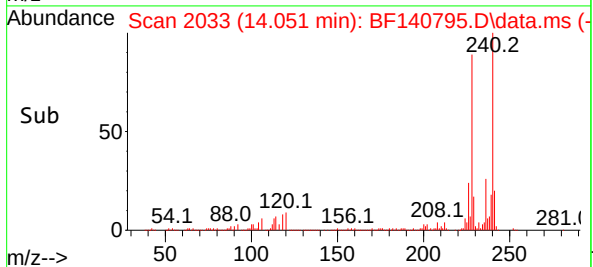
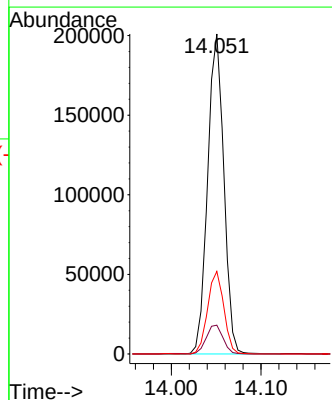
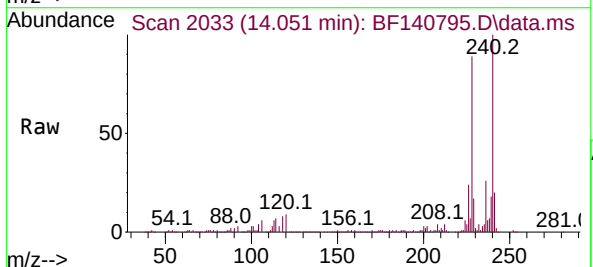
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

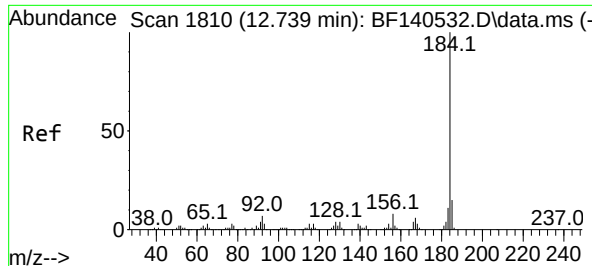
Tgt Ion:202 Resp: 960297
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.9
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:240 Resp: 252154
Ion Ratio Lower Upper
240 100
120 9.0 7.3 10.9
236 25.8 20.6 31.0

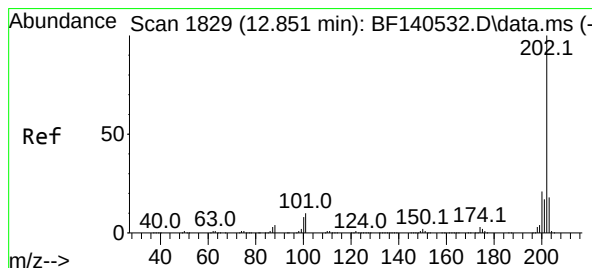
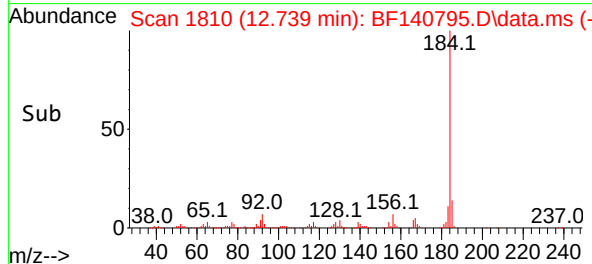
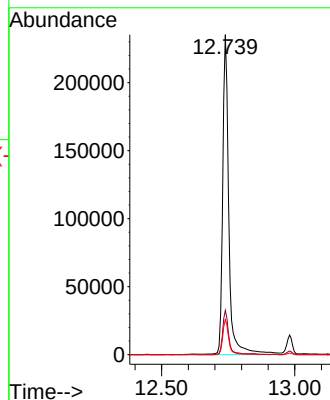
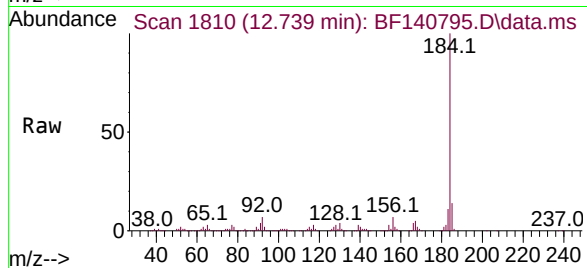




#77
Benzidine
Concen: 51.600 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

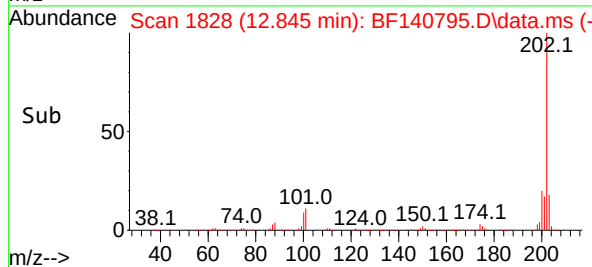
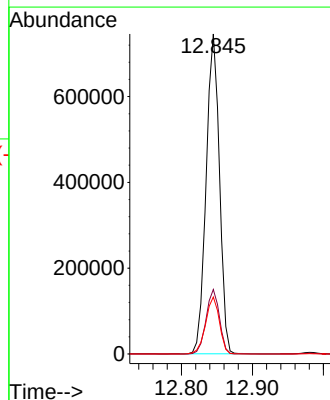
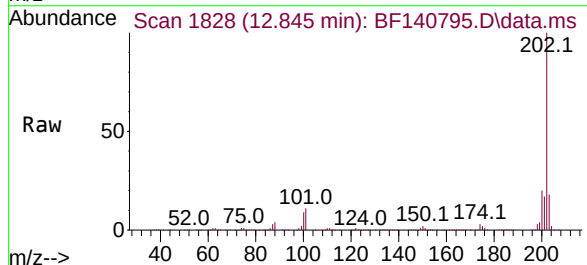
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

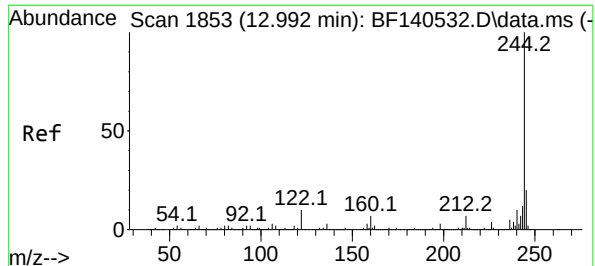
Tgt Ion:184 Resp: 378294
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 11.0 8.8 13.2



#78
Pyrene
Concen: 41.719 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:202 Resp: 972662
Ion Ratio Lower Upper
202 100
200 20.1 16.5 24.7
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 82.932 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

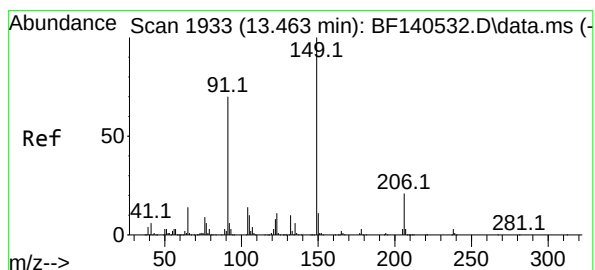
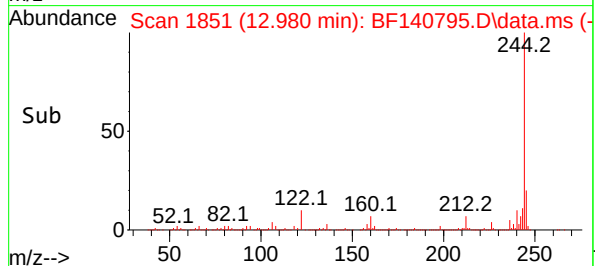
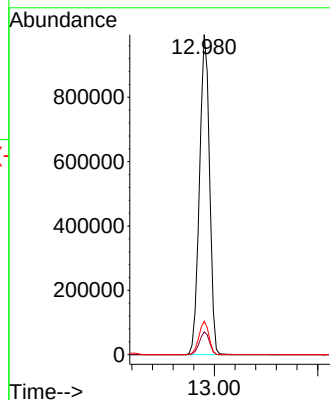
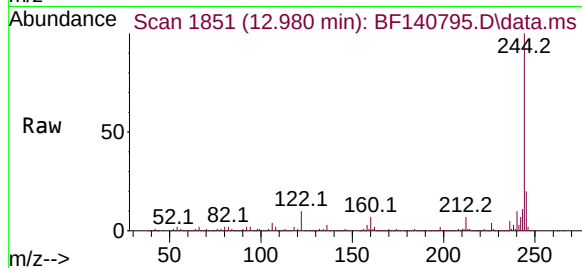
Tgt Ion:244 Resp: 1342965

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.5 8.0 12.0



#80

Butylbenzylphthalate

Concen: 40.519 ng

RT: 13.451 min Scan# 1931

Delta R.T. -0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

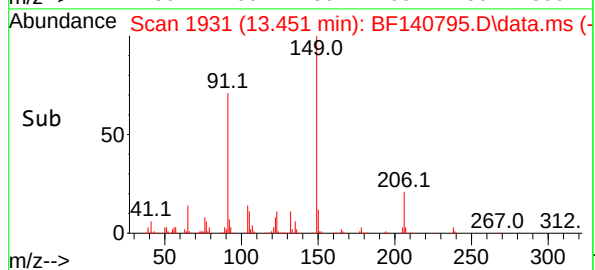
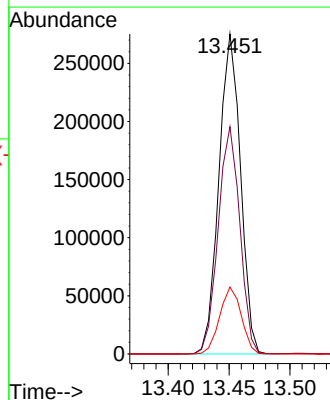
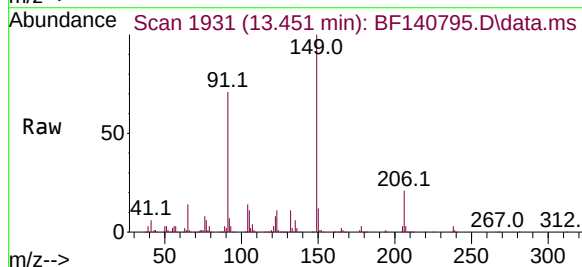
Tgt Ion:149 Resp: 340318

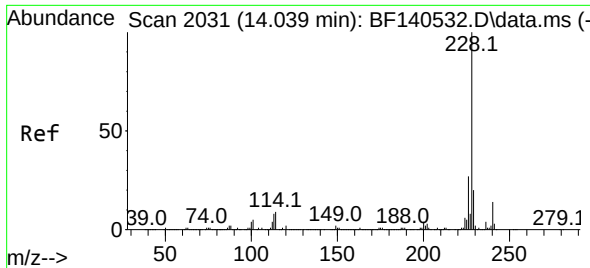
Ion Ratio Lower Upper

149 100

91 71.0 56.2 84.2

206 20.9 16.4 24.6

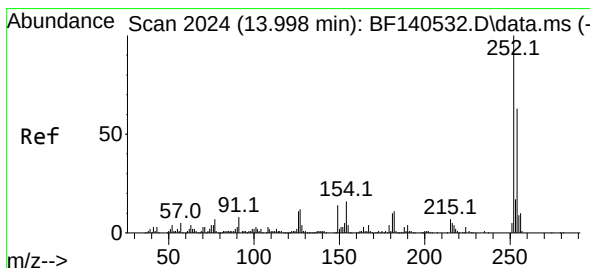
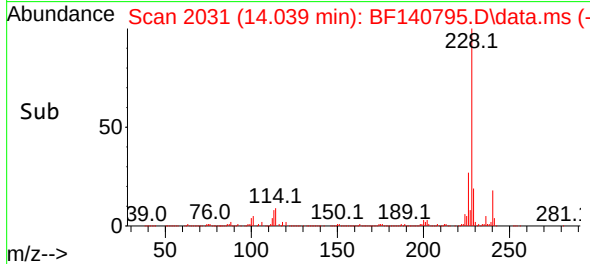
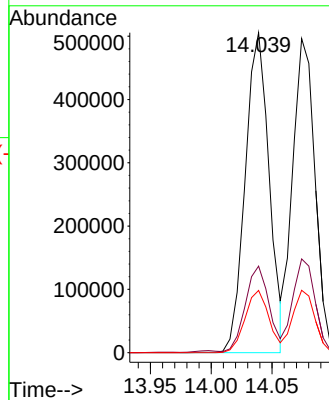
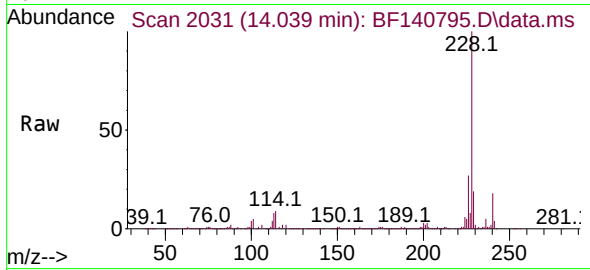




#81
Benzo(a)anthracene
Concen: 41.480 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

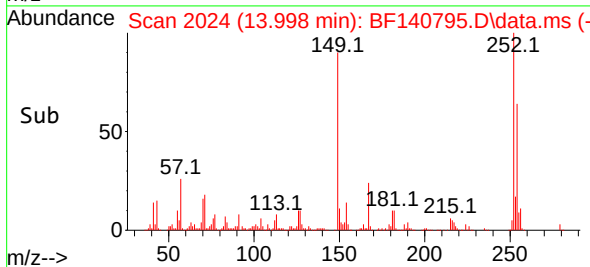
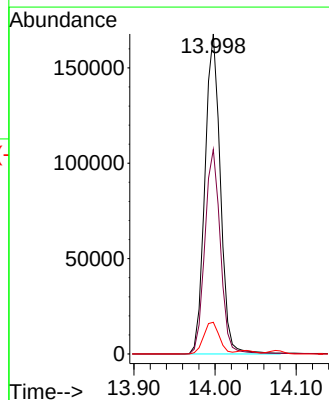
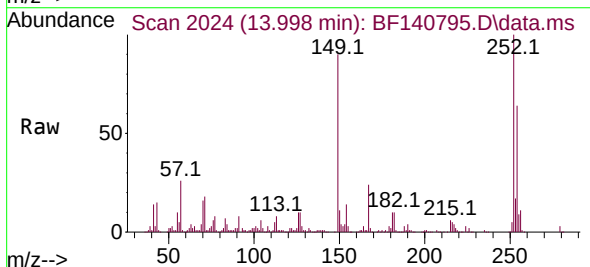
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

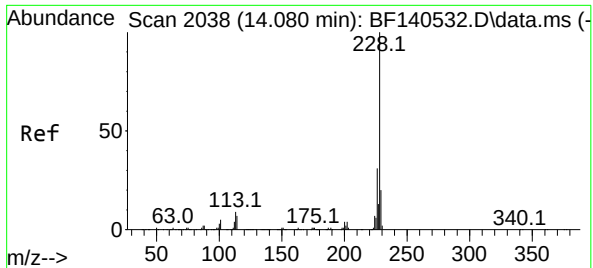
Tgt Ion:228 Resp: 692372
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.4 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 44.193 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:252 Resp: 221470
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 9.9 8.6 13.0

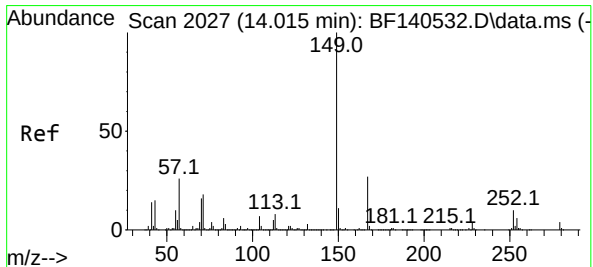
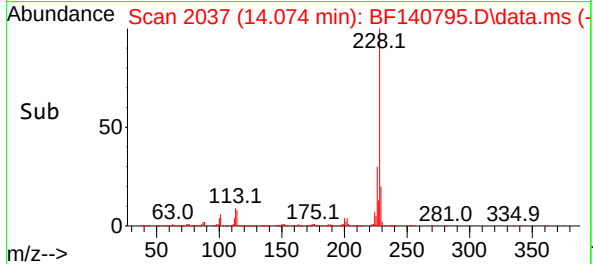
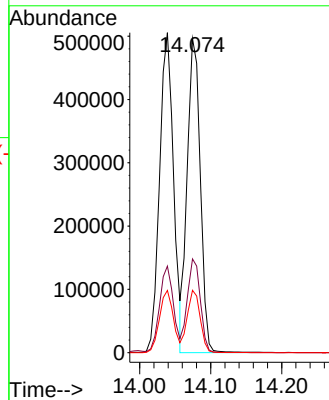
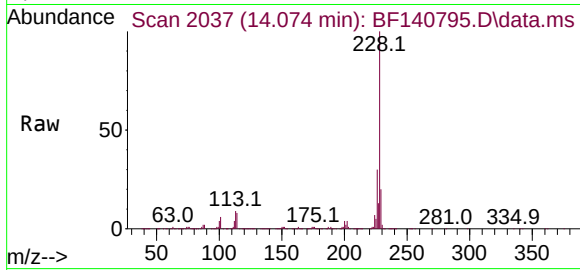




#83
Chrysene
Concen: 41.726 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

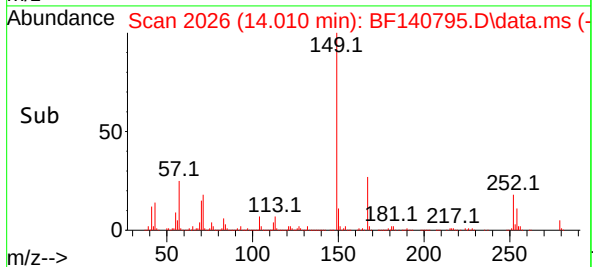
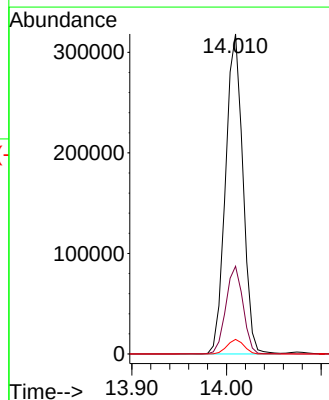
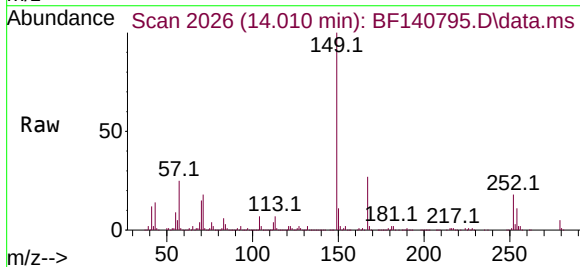
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

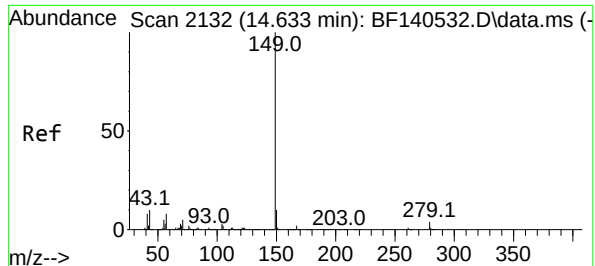
Tgt Ion:228 Resp: 636850
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 19.9 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.315 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:149 Resp: 406345
Ion Ratio Lower Upper
149 100
167 27.4 21.2 31.8
279 4.6 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 42.178 ng

RT: 14.639 min Scan# 2132

Delta R.T. 0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

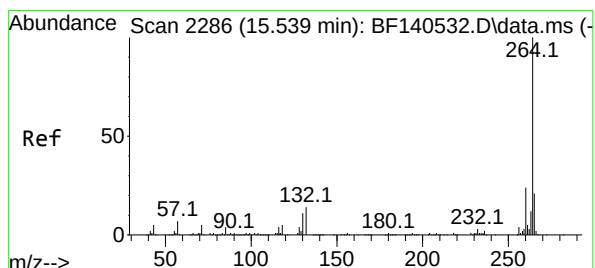
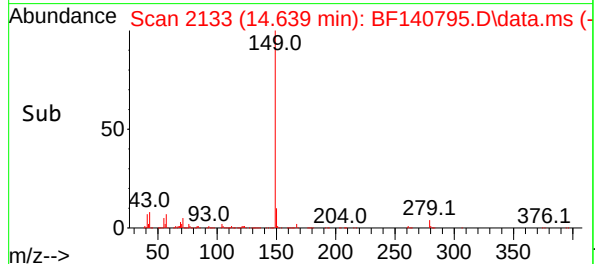
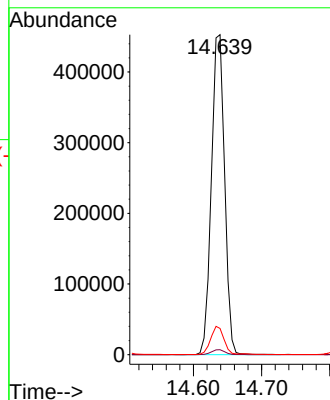
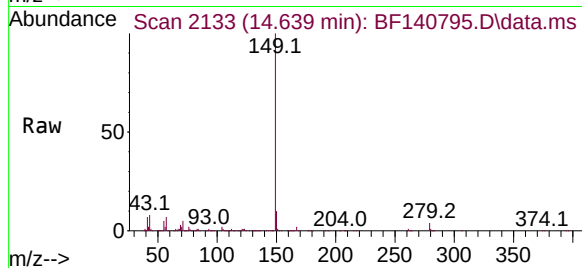
Tgt Ion:149 Resp: 611309

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.0 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2288

Delta R.T. 0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

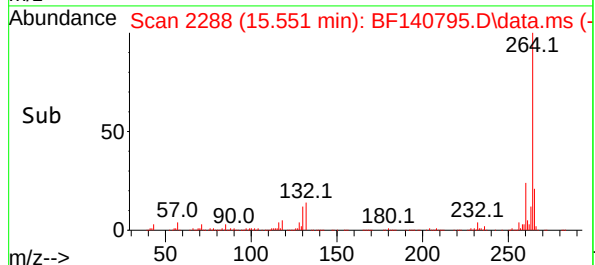
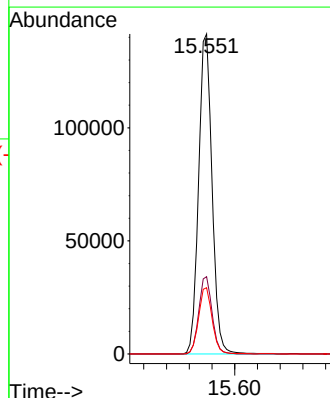
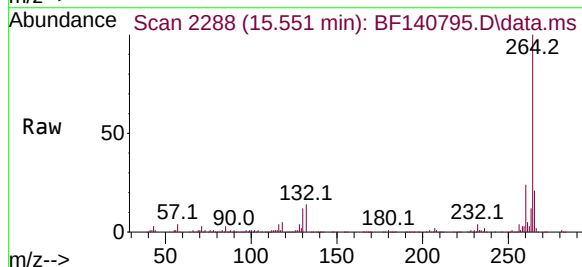
Tgt Ion:264 Resp: 232565

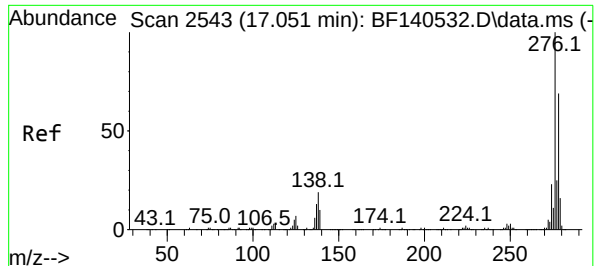
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 20.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.860 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

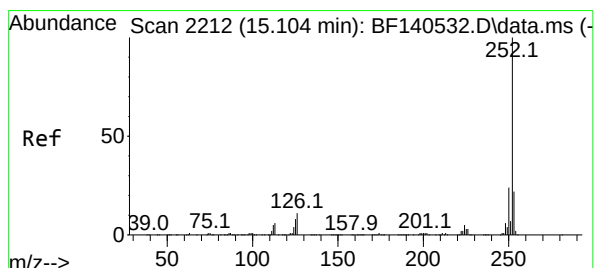
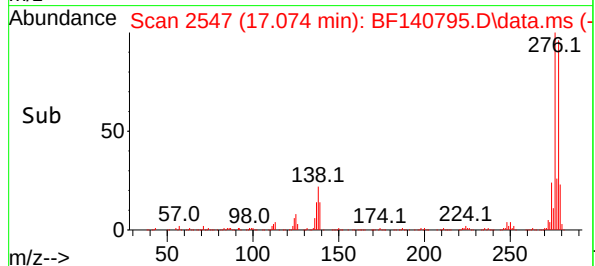
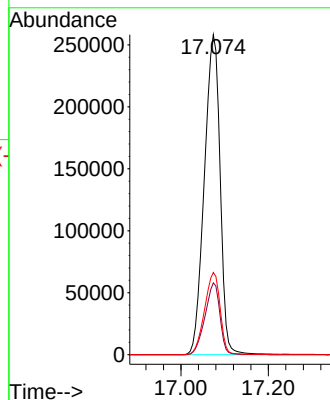
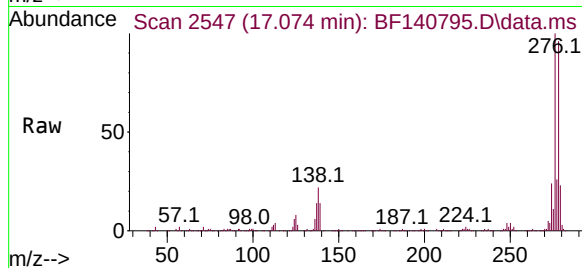
Tgt Ion:276 Resp: 649588

Ion Ratio Lower Upper

276 100

138 21.2 15.5 23.3

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 43.053 ng

RT: 15.109 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

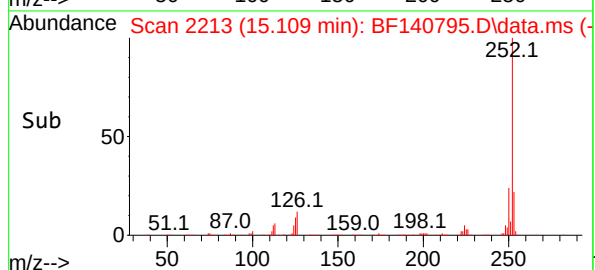
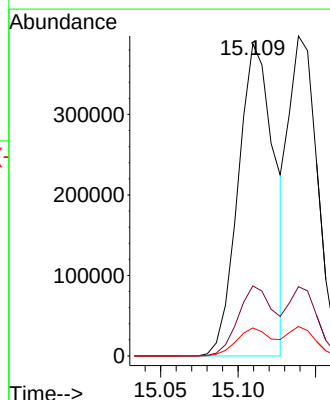
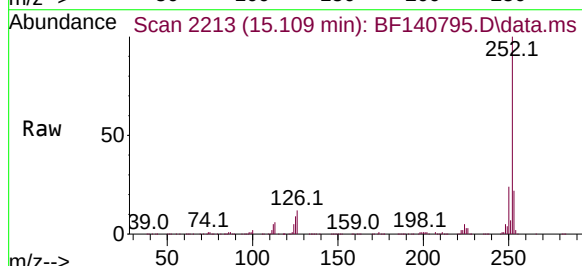
Tgt Ion:252 Resp: 628913

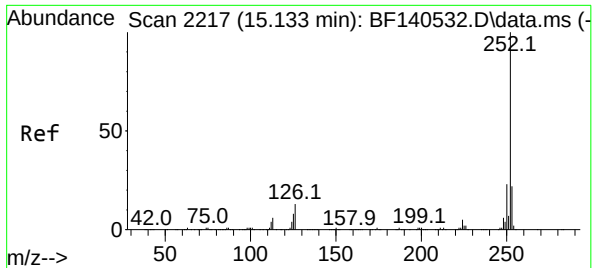
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 9.0 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 40.302 ng

RT: 15.139 min Scan# 2217

Delta R.T. 0.006 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

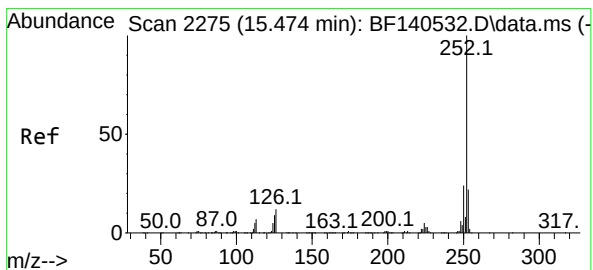
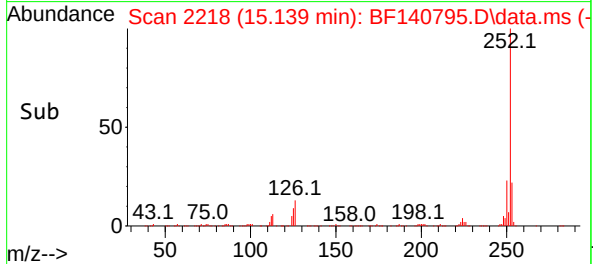
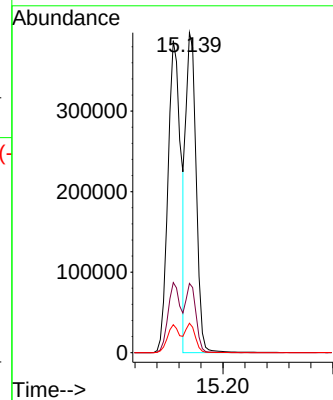
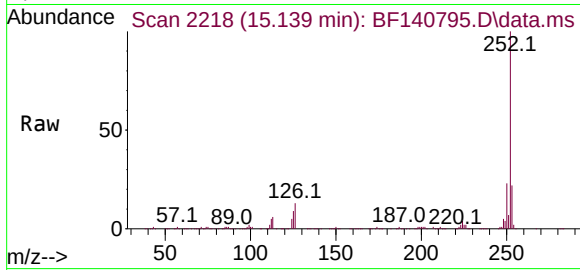
Tgt Ion:252 Resp: 515177

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.2 6.5 9.7



#90

Benzo(a)pyrene

Concen: 42.664 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF140795.D

Acq: 10 Dec 2024 10:05

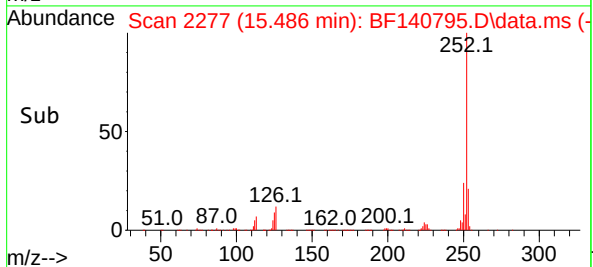
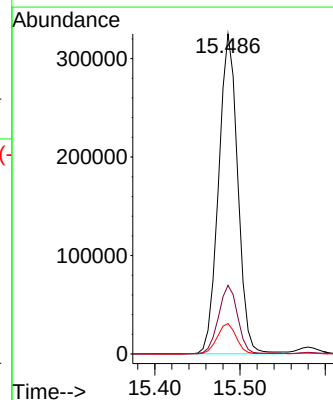
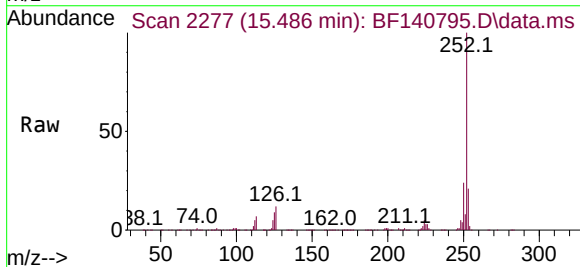
Tgt Ion:252 Resp: 506727

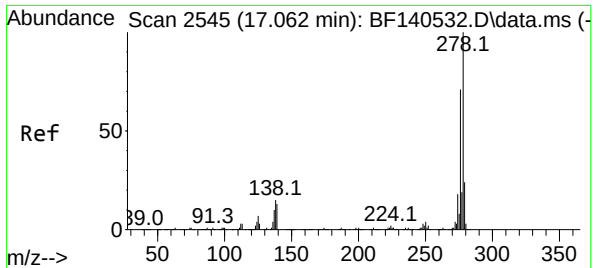
Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

125 9.5 7.0 10.6

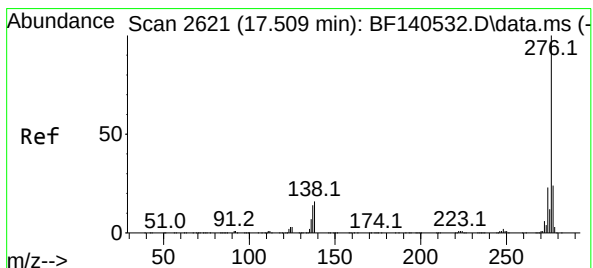
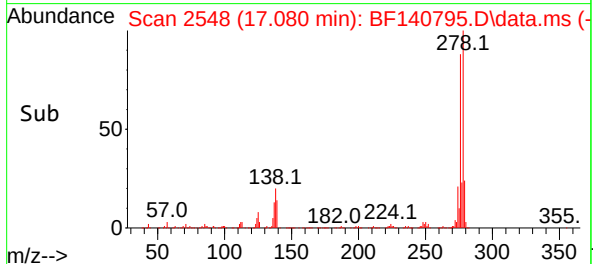
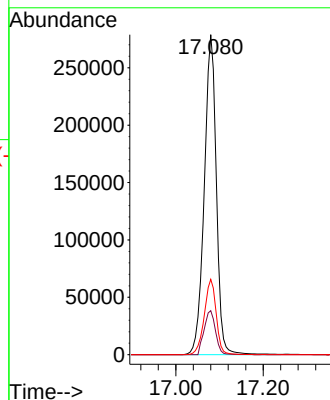
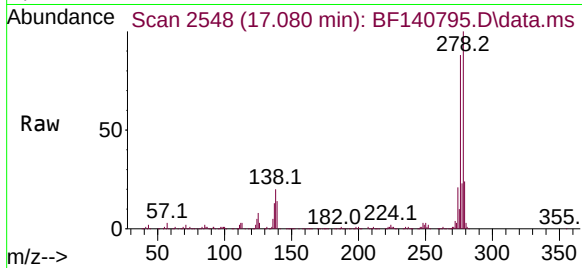




#91
Dibenzo(a,h)anthracene
Concen: 43.284 ng
RT: 17.080 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

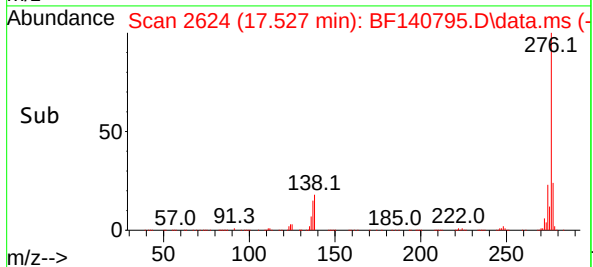
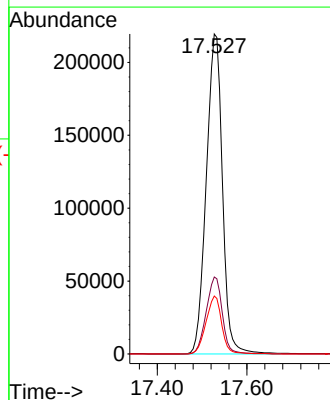
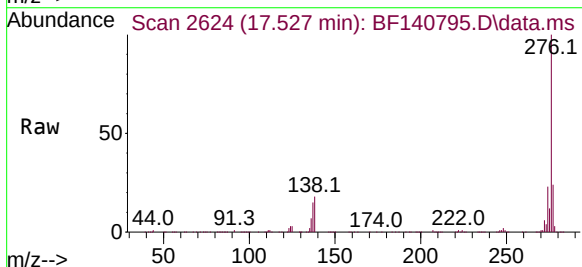
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 537247
Ion Ratio Lower Upper
278 100
139 13.7 10.2 15.4
279 23.6 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 43.292 ng
RT: 17.527 min Scan# 2624
Delta R.T. 0.018 min
Lab File: BF140795.D
Acq: 10 Dec 2024 10:05

Tgt Ion:276 Resp: 548332
Ion Ratio Lower Upper
276 100
277 24.1 18.9 28.3
138 18.1 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140795.D
 Acq On : 10 Dec 2024 10:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	-0.01
2	1,4-Dioxane	0.493	0.513	-4.1	107	-0.03
3	Pyridine	1.084	1.220	-12.5	105	-0.03
4	n-Nitrosodimethylamine	0.637	0.644	-1.1	101	-0.02
5 S	2-Fluorophenol	1.172	1.234	-5.3	107	0.00
6	Aniline	1.091	1.281	-17.4	105	0.00
7 S	Phenol-d6	1.550	1.641	-5.9	105	0.00
8	2-Chlorophenol	1.261	1.343	-6.5	107	0.00
9	Benzaldehyde	0.820	0.761	7.2	105	0.00
10 C	Phenol	1.583	1.683	-6.3	103	0.00
11	bis(2-Chloroethyl)ether	1.211	1.293	-6.8	106	0.00
12	1,3-Dichlorobenzene	1.417	1.500	-5.9	110	-0.01
13 C	1,4-Dichlorobenzene	1.435	1.519	-5.9	109	-0.01
14	1,2-Dichlorobenzene	1.344	1.414	-5.2	107	0.00
15	Benzyl Alcohol	1.149	1.172	-2.0	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.472	-2.9	103	0.00
17	2-Methylphenol	1.009	1.072	-6.2	105	0.00
18	Hexachloroethane	0.536	0.556	-3.7	106	-0.01
19 P	n-Nitroso-di-n-propylamine	0.916	0.953	-4.0	103	0.00
20	3+4-Methylphenols	1.298	1.405	-8.2	107	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	101	-0.01
22	Acetophenone	0.488	0.505	-3.5	106	0.00
23 S	Nitrobenzene-d5	0.391	0.401	-2.6	103	0.00
24	Nitrobenzene	0.404	0.417	-3.2	105	0.00
25	Isophorone	0.652	0.679	-4.1	103	0.00
26 C	2-Nitrophenol	0.179	0.196	-9.5	109	0.00
27	2,4-Dimethylphenol	0.214	0.239	-11.7	107	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.422	-6.3	107	-0.01
29 C	2,4-Dichlorophenol	0.284	0.309	-8.8	110	0.00
30	1,2,4-Trichlorobenzene	0.324	0.341	-5.2	109	-0.01
31	Naphthalene	1.030	1.087	-5.5	108	-0.01
32	Benzoic acid	0.164	0.197	-20.1	112	0.03
33	4-Chloroaniline	0.308	0.343	-11.4	106	0.00
34 C	Hexachlorobutadiene	0.215	0.224	-4.2	107	-0.01
35	Caprolactam	0.088	0.094	-6.8	105	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.340	-6.9	105	0.00
37	2-Methylnaphthalene	0.654	0.697	-6.6	108	-0.01
38	1-Methylnaphthalene	0.641	0.681	-6.2	107	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	101	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.586	0.611	-4.3	109	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.109	-1.9	96	0.00
42 S	2,4,6-Tribromophenol	0.214	0.227	-6.1	106	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.376	-2.5	104	0.00
44	2,4,5-Trichlorophenol	0.399	0.419	-5.0	105	0.00
45 S	2-Fluorobiphenyl	1.342	1.367	-1.9	107	-0.01
46	1,1'-Biphenyl	1.493	1.560	-4.5	109	-0.01
47	2-Chloronaphthalene	1.131	1.188	-5.0	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140795.D
 Acq On : 10 Dec 2024 10:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	0.363	0.370	-1.9	102	0.00
49	Acenaphthylene	1.710	1.736	-1.5	105	0.00
50	Dimethylphthalate	1.317	1.353	-2.7	105	0.00
51	2,6-Dinitrotoluene	0.299	0.315	-5.4	106	0.00
52 C	Acenaphthene	1.086	1.111	-2.3	106	0.00
53	3-Nitroaniline	0.292	0.319	-9.2	107	0.00
54 P	2,4-Dinitrophenol	0.122	0.177	-45.1#	128	0.00
55	Dibenzofuran	1.657	1.661	-0.2	103	-0.01
56 P	4-Nitrophenol	0.199	0.260	-30.7#	127	0.01
57	2,4-Dinitrotoluene	0.397	0.416	-4.8	104	0.00
58	Fluorene	1.330	1.366	-2.7	106	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.335	-9.5	108	0.00
60	Diethylphthalate	1.338	1.374	-2.7	106	-0.01
61	4-Chlorophenyl-phenylether	0.653	0.677	-3.7	107	0.00
62	4-Nitroaniline	0.306	0.331	-8.2	107	0.00
63	Azobenzene	1.267	1.274	-0.6	104	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.126	-23.5	114	0.00
66 c	n-Nitrosodiphenylamine	0.591	0.627	-6.1	108	0.00
67	4-Bromophenyl-phenylether	0.206	0.220	-6.8	109	-0.01
68	Hexachlorobenzene	0.238	0.254	-6.7	108	-0.01
69	Atrazine	0.166	0.139	16.3	99	0.00
70 C	Pentachlorophenol	0.105	0.096	8.6	82	0.00
71	Phenanthrene	0.961	1.010	-5.1	106	0.00
72	Anthracene	0.940	0.990	-5.3	107	0.00
73	Carbazole	0.905	0.953	-5.3	107	0.00
74	Di-n-butylphthalate	1.044	1.118	-7.1	109	0.00
75 C	Fluoranthene	1.044	1.102	-5.6	108	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77	Benzidine	0.581	0.750	-29.1#	138	0.00
78	Pyrene	1.849	1.929	-4.3	110	0.00
79 S	Terphenyl-d14	1.284	1.331	-3.7	109	-0.01
80	Butylbenzylphthalate	0.666	0.675	-1.4	105	-0.01
81	Benzo(a)anthracene	1.324	1.373	-3.7	112	0.00
82	3,3'-Dichlorobenzidine	0.397	0.439	-10.6	112	0.00
83	Chrysene	1.211	1.263	-4.3	111	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.806	4.2	102	0.00
85 c	Di-n-octyl phthalate	1.150	1.212	-5.4	113	0.00
86 I	Perylene-d12	1.000	1.000	0.0	110	0.01
87	Indeno(1,2,3-cd)pyrene	1.303	1.397	-7.2	118	0.02
88	Benzo(b)fluoranthene	1.256	1.352	-7.6	125	0.00
89	Benzo(k)fluoranthene	1.099	1.108	-0.8	111	0.00
90 C	Benzo(a)pyrene	1.021	1.089	-6.7	119	0.01
91	Dibenzo(a,h)anthracene	1.067	1.155	-8.2	119	0.02
92	Benzo(g,h,i)perylene	1.089	1.179	-8.3	119	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
Data File : BF140795.D
Acq On : 10 Dec 2024 10:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140795.D
 Acq On : 10 Dec 2024 10:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	-0.01
2	1,4-Dioxane	40.000	41.643	-4.1	107	-0.03
3	Pyridine	40.000	44.985	-12.5	105	-0.03
4	n-Nitrosodimethylamine	40.000	40.433	-1.1	101	-0.02
5 S	2-Fluorophenol	80.000	84.243	-5.3	107	0.00
6	Aniline	40.000	46.977	-17.4	105	0.00
7 S	Phenol-d6	80.000	84.695	-5.9	105	0.00
8	2-Chlorophenol	40.000	42.586	-6.5	107	0.00
9	Benzaldehyde	40.000	37.115	7.2	105	0.00
10 C	Phenol	40.000	42.533	-6.3	103	0.00
11	bis(2-Chloroethyl)ether	40.000	42.721	-6.8	106	0.00
12	1,3-Dichlorobenzene	40.000	42.354	-5.9	110	-0.01
13 C	1,4-Dichlorobenzene	40.000	42.334	-5.8	109	-0.01
14	1,2-Dichlorobenzene	40.000	42.081	-5.2	107	0.00
15	Benzyl Alcohol	40.000	40.805	-2.0	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.168	-2.9	103	0.00
17	2-Methylphenol	40.000	42.464	-6.2	105	0.00
18	Hexachloroethane	40.000	41.521	-3.8	106	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	41.627	-4.1	103	0.00
20	3+4-Methylphenols	40.000	43.325	-8.3	107	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	101	-0.01
22	Acetophenone	40.000	41.469	-3.7	106	0.00
23 S	Nitrobenzene-d5	80.000	82.074	-2.6	103	0.00
24	Nitrobenzene	40.000	41.240	-3.1	105	0.00
25	Isophorone	40.000	41.644	-4.1	103	0.00
26 C	2-Nitrophenol	40.000	43.737	-9.3	109	0.00
27	2,4-Dimethylphenol	40.000	44.597	-11.5	107	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.449	-6.1	107	-0.01
29 C	2,4-Dichlorophenol	40.000	43.552	-8.9	110	0.00
30	1,2,4-Trichlorobenzene	40.000	42.129	-5.3	109	-0.01
31	Naphthalene	40.000	42.194	-5.5	108	-0.01
32	Benzoic acid	40.000	43.188	-8.0	112	0.03
33	4-Chloroaniline	40.000	44.534	-11.3	106	0.00
34 C	Hexachlorobutadiene	40.000	41.805	-4.5	107	-0.01
35	Caprolactam	40.000	42.750	-6.9	105	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.744	-6.9	105	0.00
37	2-Methylnaphthalene	40.000	42.609	-6.5	108	-0.01
38	1-Methylnaphthalene	40.000	42.449	-6.1	107	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	101	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	41.721	-4.3	109	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.278	6.8	96	0.00
42 S	2,4,6-Tribromophenol	80.000	84.807	-6.0	106	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.911	-2.3	104	0.00
44	2,4,5-Trichlorophenol	40.000	41.985	-5.0	105	0.00
45 S	2-Fluorobiphenyl	80.000	81.489	-1.9	107	-0.01
46	1,1'-Biphenyl	40.000	41.786	-4.5	109	-0.01
47	2-Chloronaphthalene	40.000	42.007	-5.0	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140795.D
 Acq On : 10 Dec 2024 10:05
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 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	40.789	-2.0	102	0.00
49	Acenaphthylene	40.000	40.609	-1.5	105	0.00
50	Dimethylphthalate	40.000	41.086	-2.7	105	0.00
51	2,6-Dinitrotoluene	40.000	42.174	-5.4	106	0.00
52 C	Acenaphthene	40.000	40.910	-2.3	106	0.00
53	3-Nitroaniline	40.000	43.642	-9.1	107	0.00
54 P	2,4-Dinitrophenol	40.000	49.090	-22.7	128	0.00
55	Dibenzofuran	40.000	40.089	-0.2	103	-0.01
56 P	4-Nitrophenol	40.000	52.203	-30.5#	127	0.01
57	2,4-Dinitrotoluene	40.000	41.918	-4.8	104	0.00
58	Fluorene	40.000	41.100	-2.8	106	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	43.762	-9.4	108	0.00
60	Diethylphthalate	40.000	41.056	-2.6	106	-0.01
61	4-Chlorophenyl-phenylether	40.000	41.479	-3.7	107	0.00
62	4-Nitroaniline	40.000	43.270	-8.2	107	0.00
63	Azobenzene	40.000	40.212	-0.5	104	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	49.188	-23.0	114	0.00
66 c	n-Nitrosodiphenylamine	40.000	42.412	-6.0	108	0.00
67	4-Bromophenyl-phenylether	40.000	42.636	-6.6	109	-0.01
68	Hexachlorobenzene	40.000	42.582	-6.5	108	-0.01
69	Atrazine	40.000	33.350	16.6	99	0.00
70 C	Pentachlorophenol	40.000	36.413	9.0	82	0.00
71	Phenanthrene	40.000	42.018	-5.0	106	0.00
72	Anthracene	40.000	42.092	-5.2	107	0.00
73	Carbazole	40.000	42.144	-5.4	107	0.00
74	Di-n-butylphthalate	40.000	42.835	-7.1	109	0.00
75 C	Fluoranthene	40.000	42.238	-5.6	108	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	105	0.00
77	Benzidine	40.000	51.600	-29.0#	138	0.00
78	Pyrene	40.000	41.719	-4.3	110	0.00
79 S	Terphenyl-d14	80.000	82.932	-3.7	109	-0.01
80	Butylbenzylphthalate	40.000	40.519	-1.3	105	-0.01
81	Benzo(a)anthracene	40.000	41.480	-3.7	112	0.00
82	3,3'-Dichlorobenzidine	40.000	44.193	-10.5	112	0.00
83	Chrysene	40.000	41.726	-4.3	111	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.315	4.2	102	0.00
85 c	Di-n-octyl phthalate	40.000	42.178	-5.4	113	0.00
86 I	Perylene-d12	20.000	20.000	0.0	110	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	42.860	-7.1	118	0.02
88	Benzo(b)fluoranthene	40.000	43.053	-7.6	125	0.00
89	Benzo(k)fluoranthene	40.000	40.302	-0.8	111	0.00
90 C	Benzo(a)pyrene	40.000	42.664	-6.7	119	0.01
91	Dibenzo(a,h)anthracene	40.000	43.284	-8.2	119	0.02
92	Benzo(g,h,i)perylene	40.000	43.292	-8.2	119	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
Data File : BF140795.D
Acq On : 10 Dec 2024 10:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 10 10:27:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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



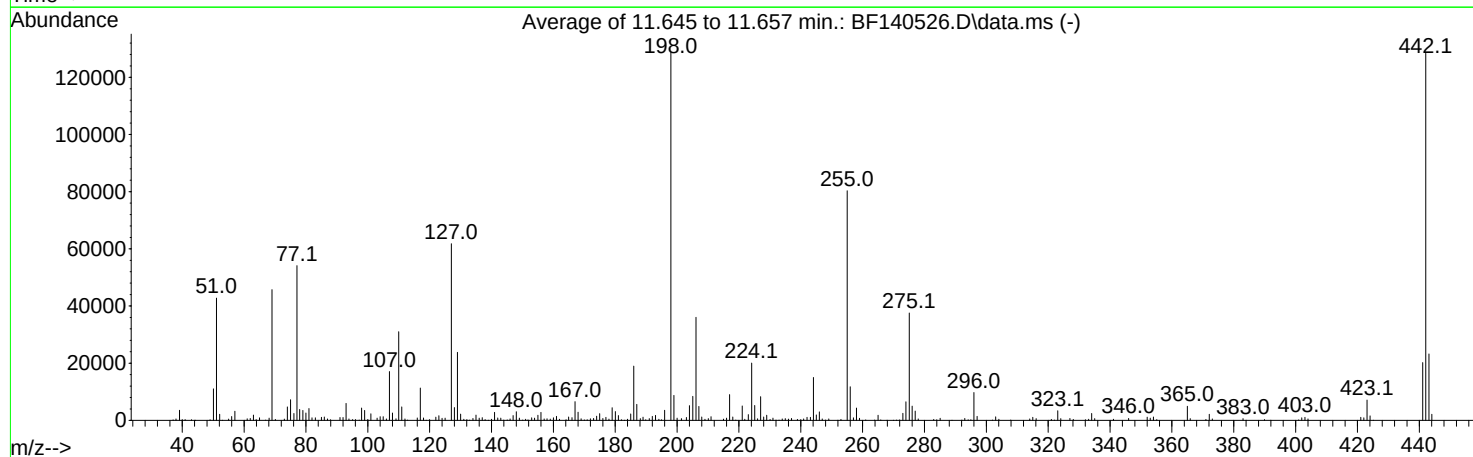
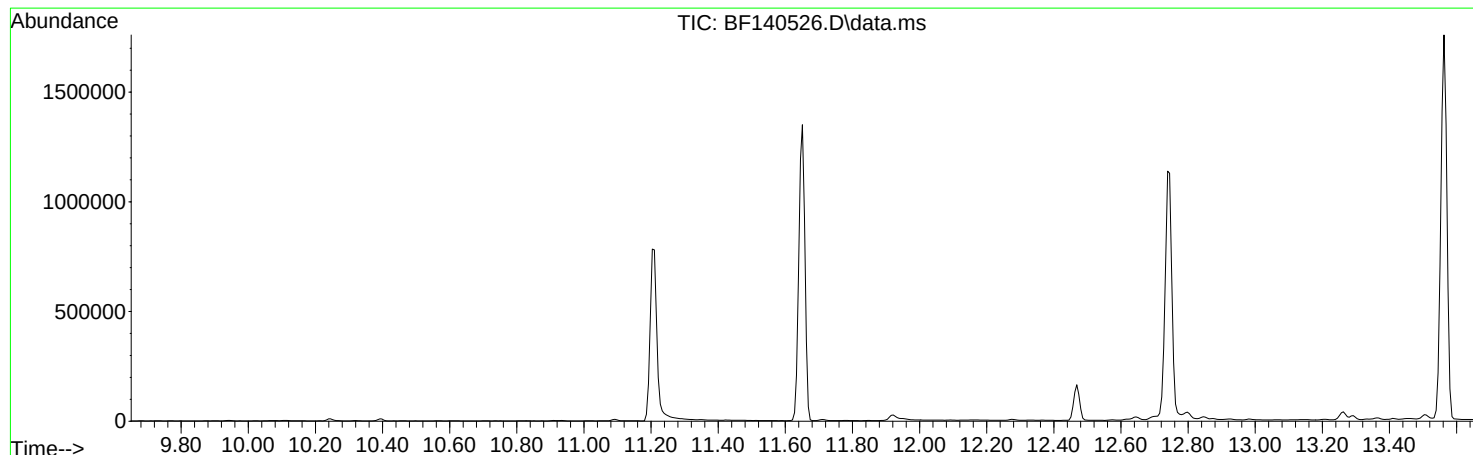
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1624, 1625, 1626; 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	33.3	42792	PASS
68	69	0.00	2	1.8	810	PASS
69	198	0.00	100	35.5	45731	PASS
70	69	0.00	2	0.7	327	PASS
127	198	10	80	48.0	61811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	128688	PASS
199	198	5	9	6.8	8723	PASS
275	198	10	60	29.2	37552	PASS
365	198	1	100	3.8	4944	PASS
441	198	0.01	100	15.7	20189	PASS
442	442	50	100	100.0	128421	PASS
443	442	15	24	18.1	23261	PASS

DDT Breakdown

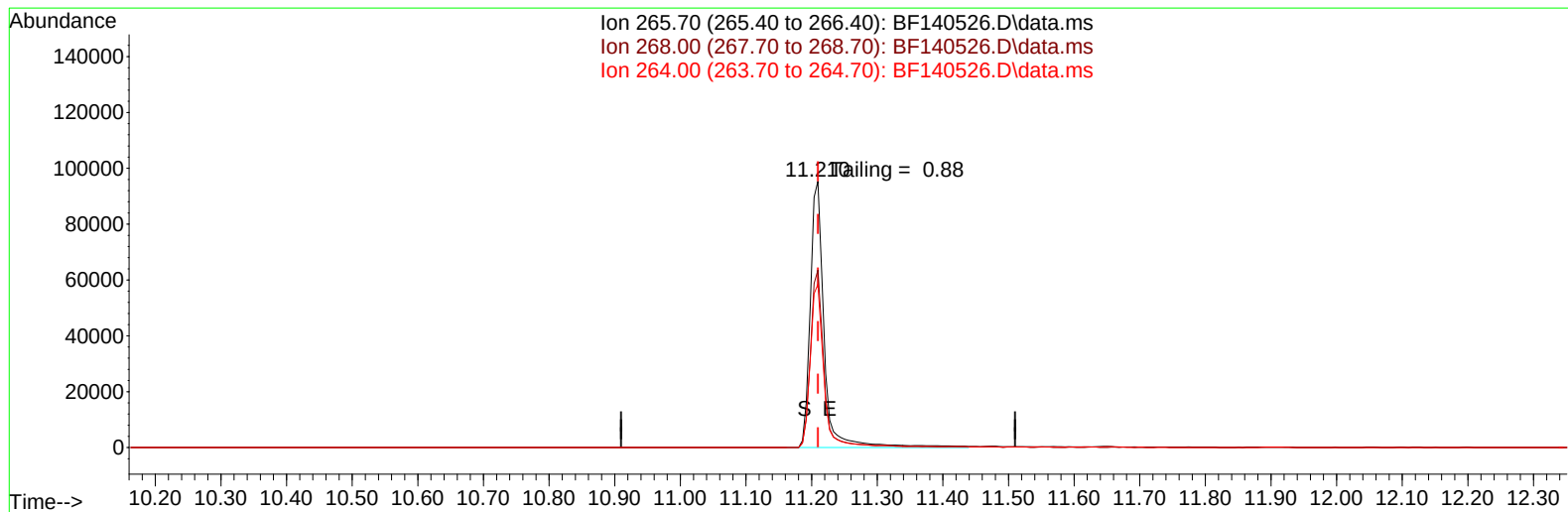
Date	Instrument Name	DFTPP Data File
11/21/2024	BNA_F	<u>BF140526.D</u>
Compound Name	Response	Retention Time
DDT	424151	13.562
DDD	14557	13.262
DDE	1132	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
15689	439840	3.57

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

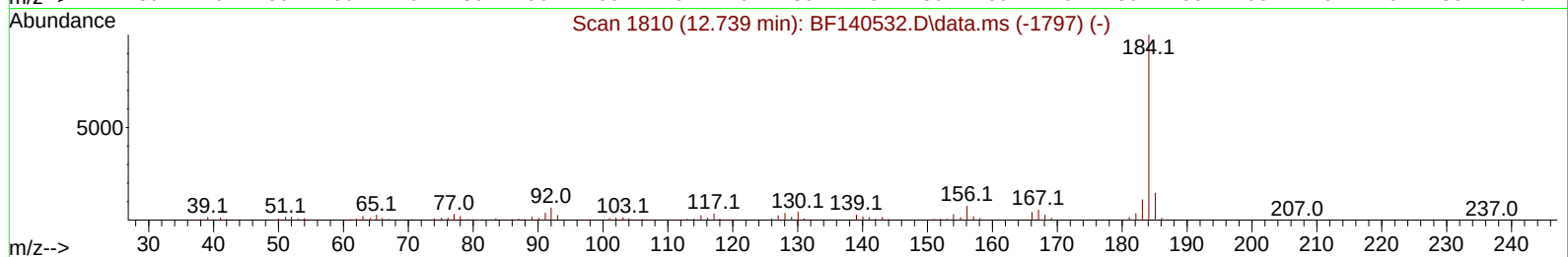
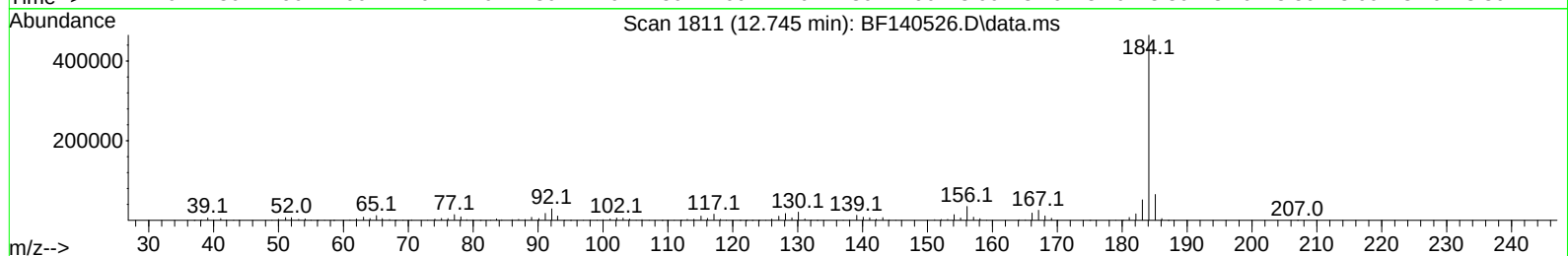
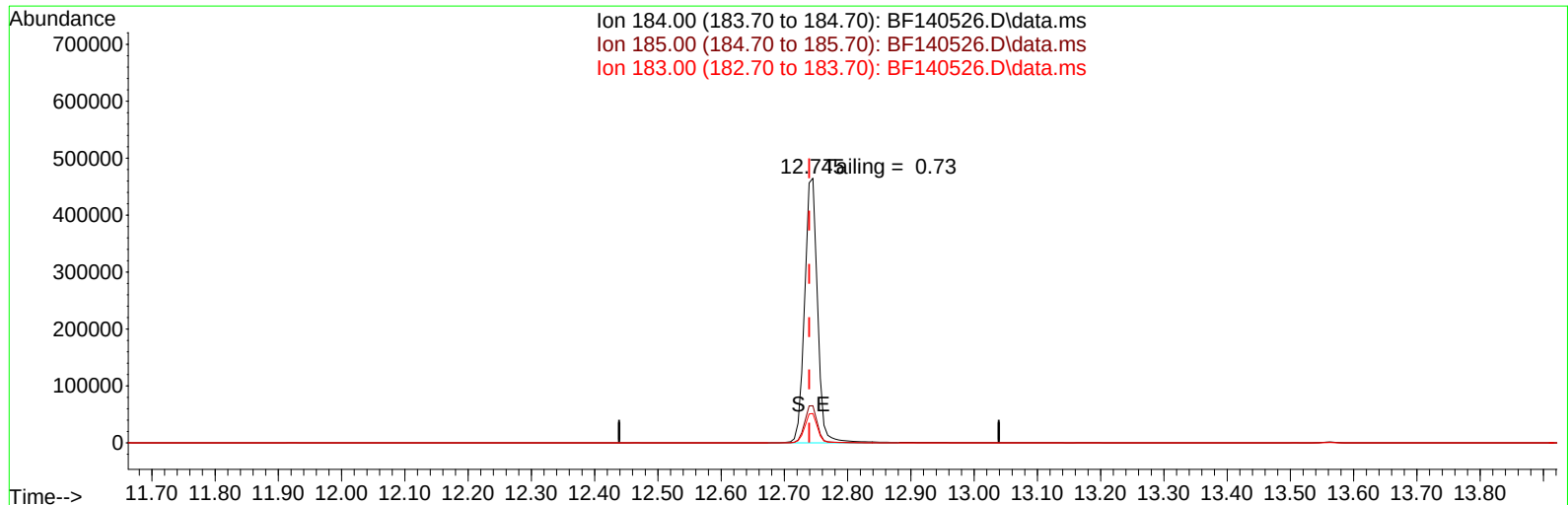
Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140526.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 32779.12 ng

response 668077

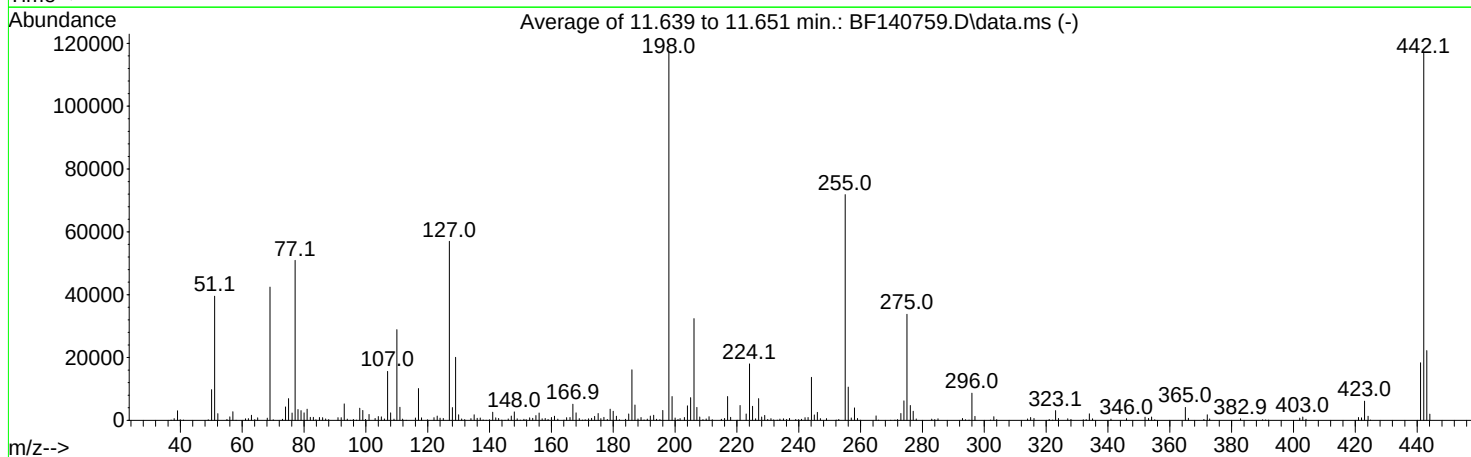
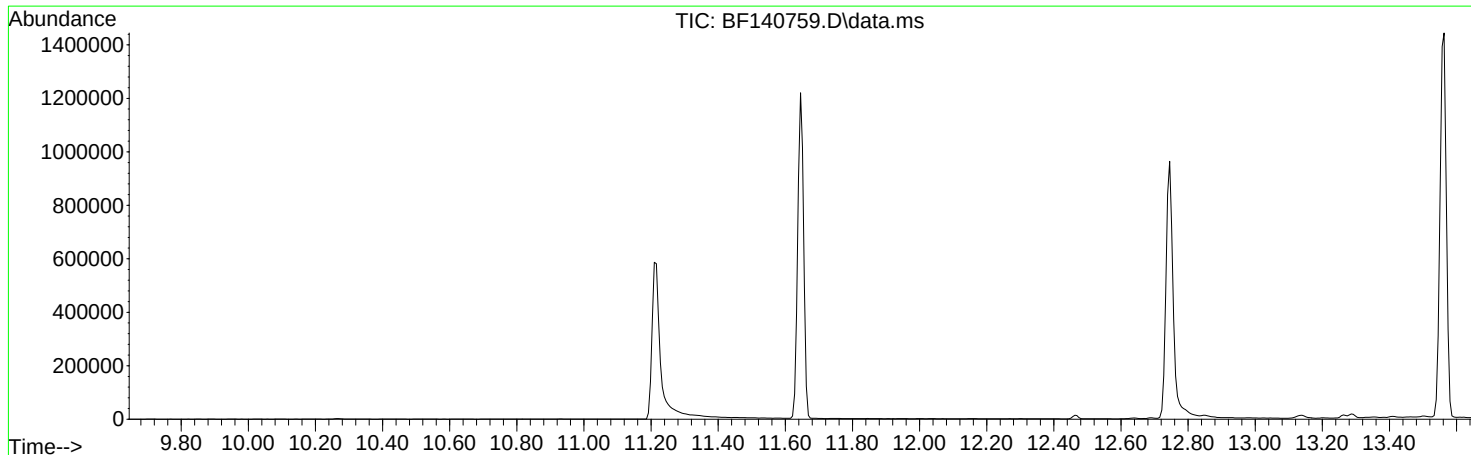
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.02
183.00	11.00	11.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140759.D
Acq On : 06 Dec 2024 11:41
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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1623, 1624, 1625; 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	33.8	39536	PASS
68	69	0.00	2	1.7	736	PASS
69	198	0.00	100	36.2	42400	PASS
70	69	0.00	2	0.5	199	PASS
127	198	10	80	48.7	56981	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	117088	PASS
199	198	5	9	6.5	7592	PASS
275	198	10	60	28.8	33768	PASS
365	198	1	100	3.5	4147	PASS
441	198	0.01	100	15.7	18356	PASS
442	442	50	100	100.0	116827	PASS
443	442	15	24	19.0	22187	PASS

DDT Breakdown

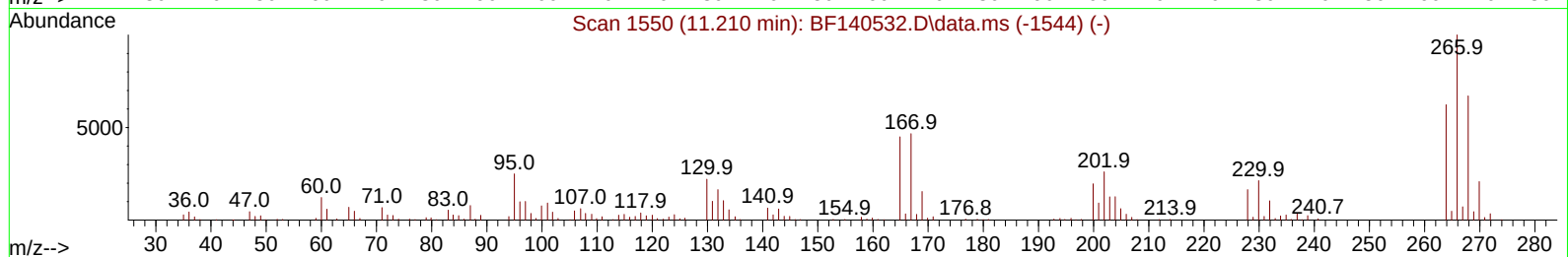
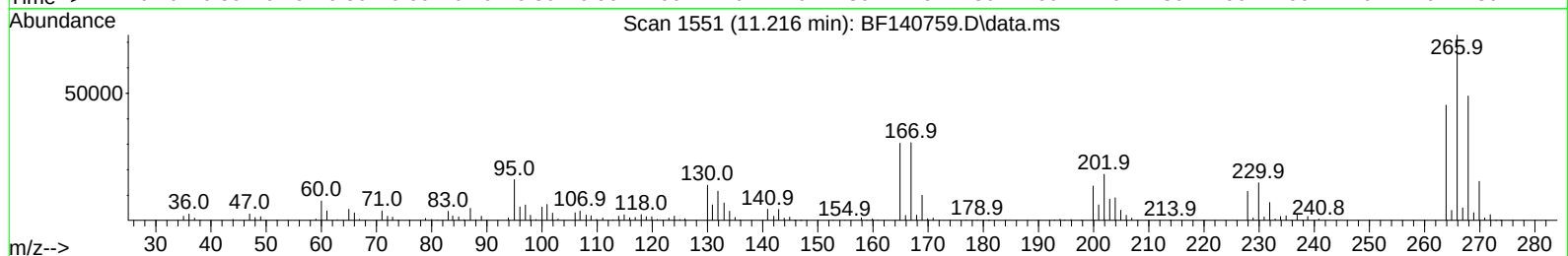
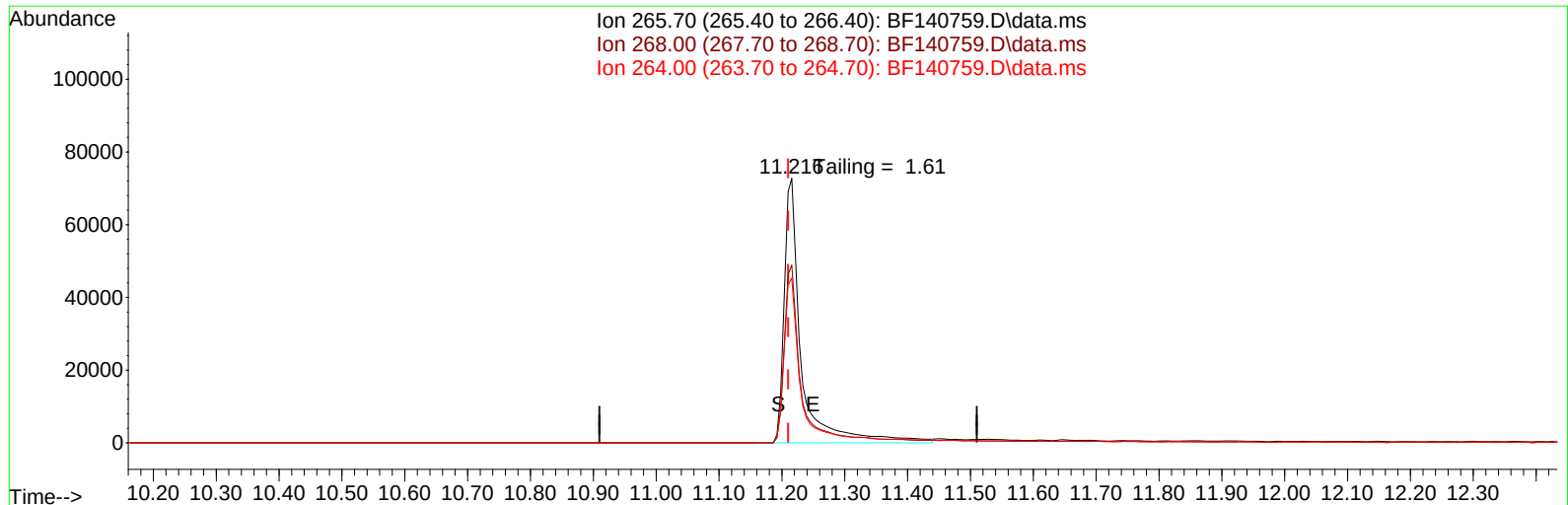
Date	Instrument Name	DFTPP Data File
12/6/2024	BNA_F	<u>BF140759.D</u>
Compound Name	Response	Retention Time
DDT	385885	13.563
DDD	10302	13.286
DDE	523	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10825	396710	2.73

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140759.D
Acq On : 06 Dec 2024 11:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 06 11:51:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140759.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 133330.10 ng

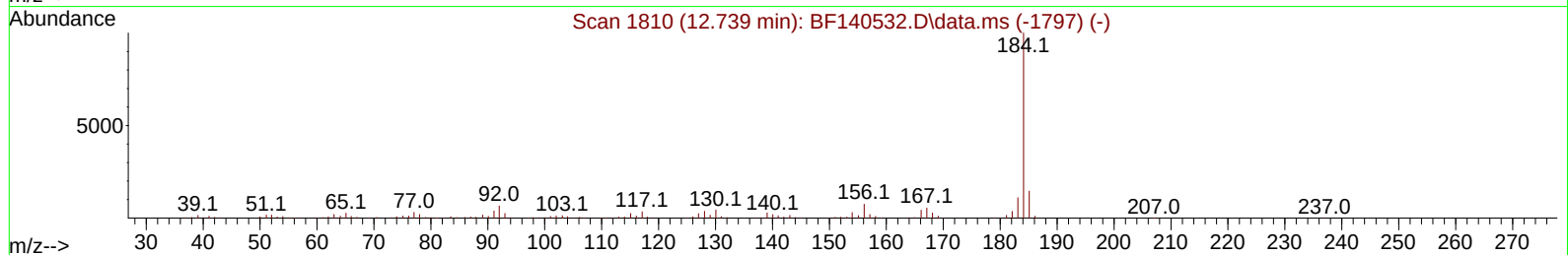
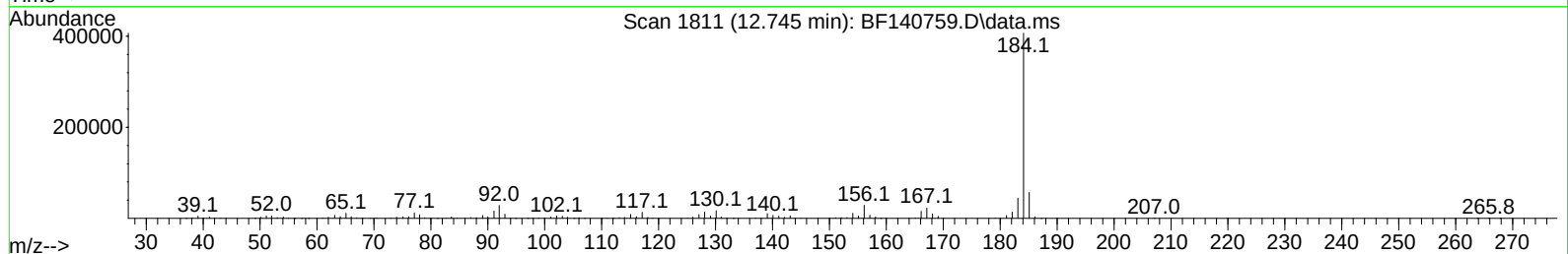
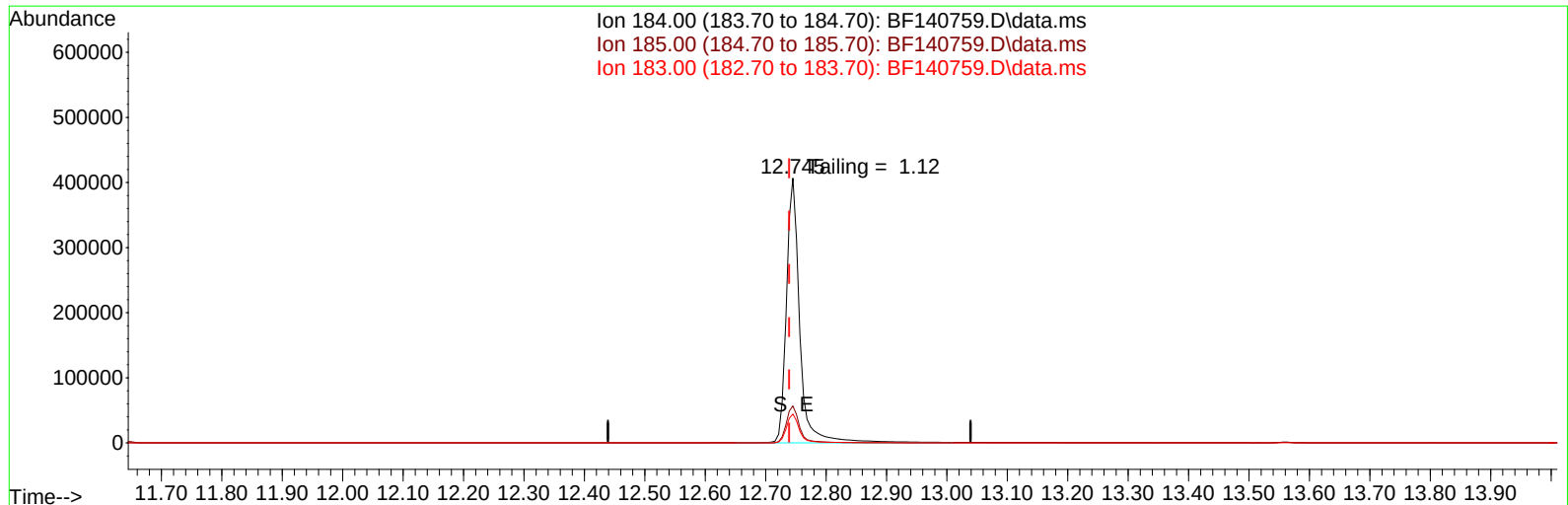
response 138552

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	67.23
264.00	62.30	62.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140759.D
Acq On : 06 Dec 2024 11:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 06 11:51:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140759.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 121878.40 ng

response 623664

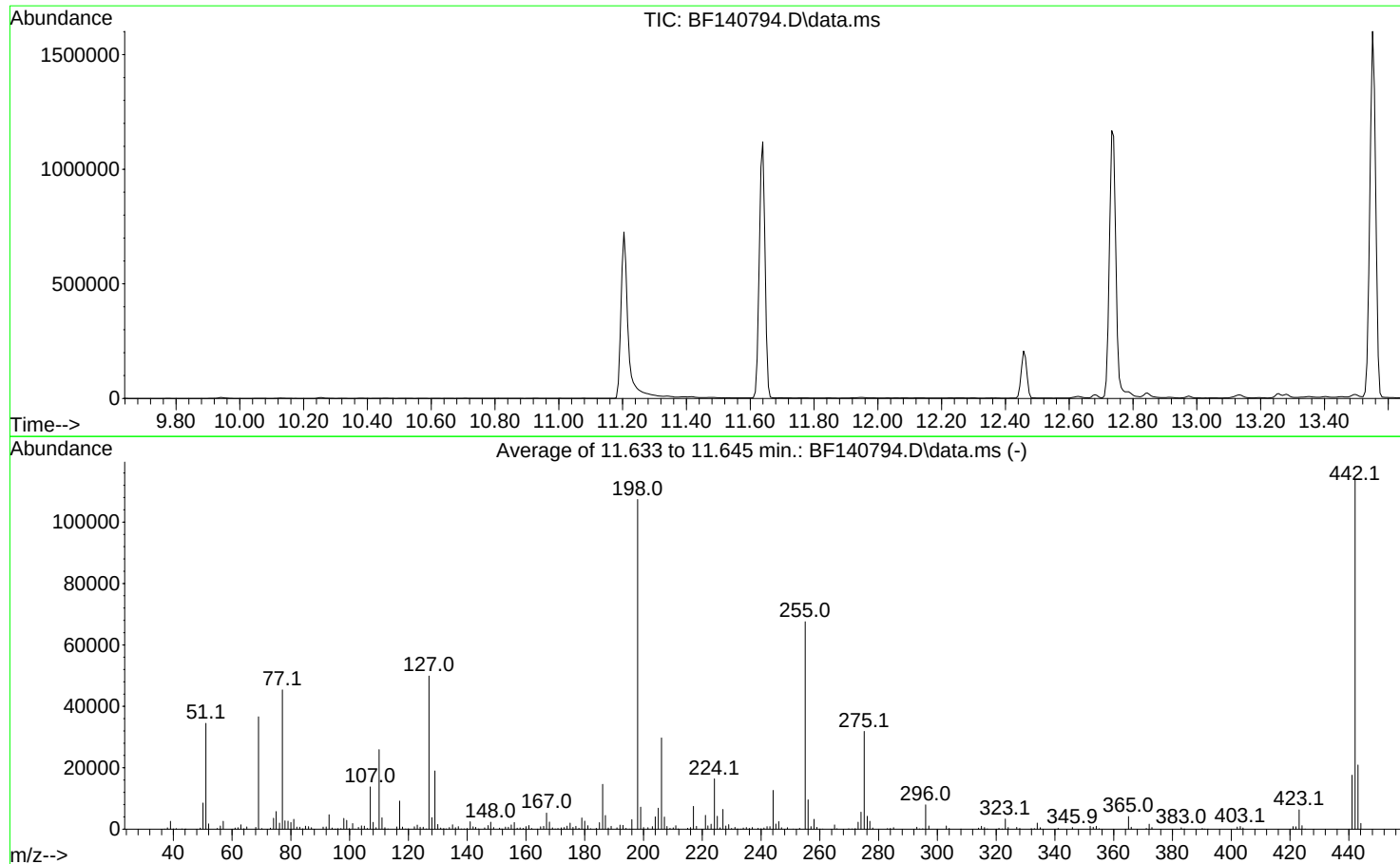
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	13.97
183.00	11.00	10.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
Data File : BF140794.D
Acq On : 10 Dec 2024 09:39
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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1615

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.1	34491	PASS
68	69	0.00	2	1.7	612	PASS
69	198	0.00	100	34.1	36603	PASS
70	69	0.00	2	0.6	224	PASS
127	198	10	80	46.4	49859	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	107384	PASS
199	198	5	9	6.7	7204	PASS
275	198	10	60	29.7	31861	PASS
365	198	1	100	3.8	4092	PASS
441	198	0.01	100	16.4	17566	PASS
442	442	50	100	100.0	113861	PASS
443	442	15	24	18.4	20920	PASS

DDT Breakdown

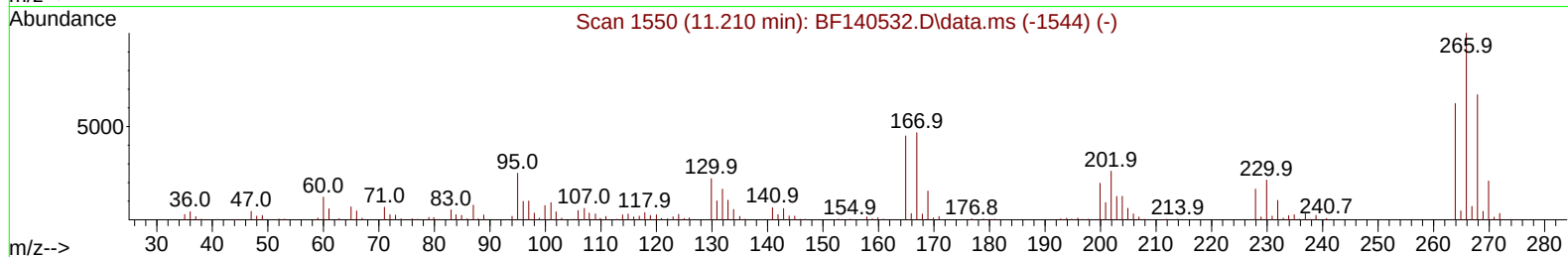
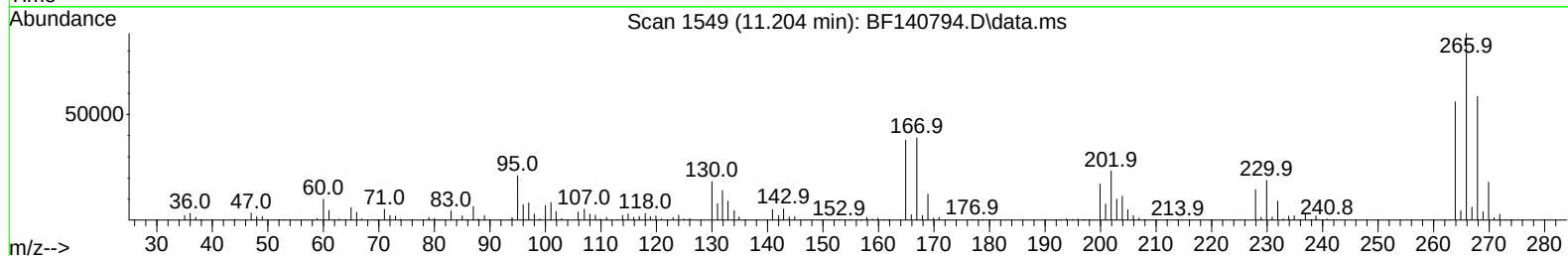
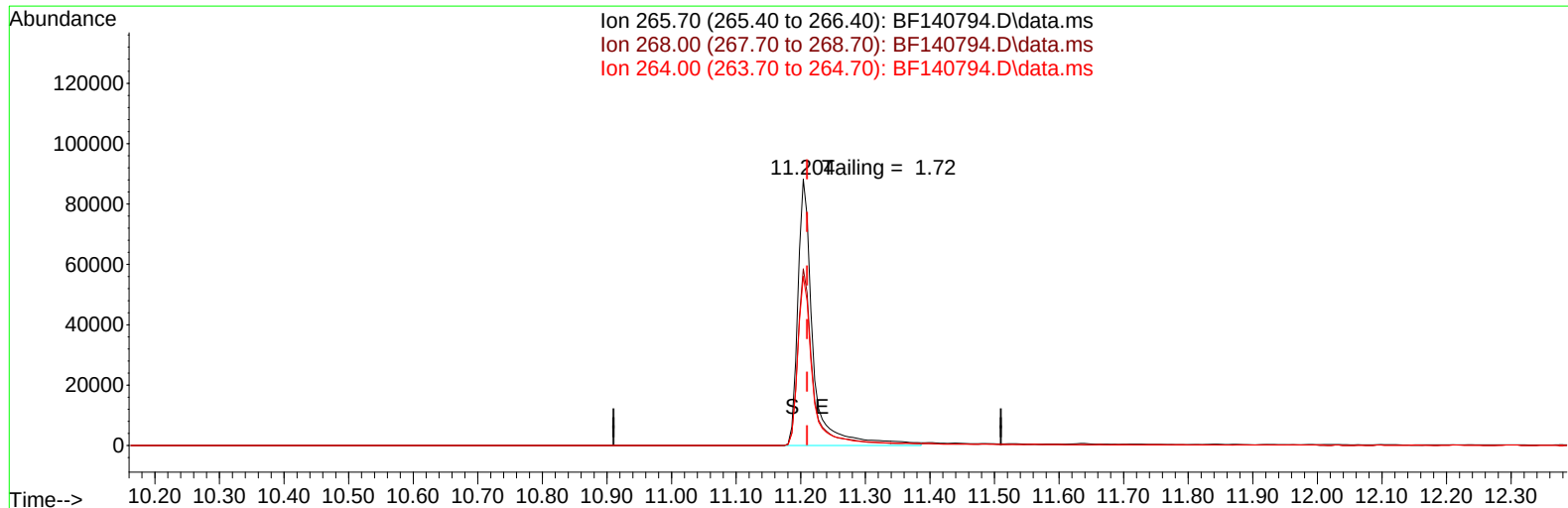
Date	Instrument Name	DFTPP Data File
12/10/2024	BNA_F	<u>BF140794.D</u>
Compound Name	Response	Retention Time
DDT	411486	13.557
DDD	11786	13.257
DDE	692	12.916
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12478	423964	2.94

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
Data File : BF140794.D
Acq On : 10 Dec 2024 09:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 10 13:02:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140794.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 18336.39 ng

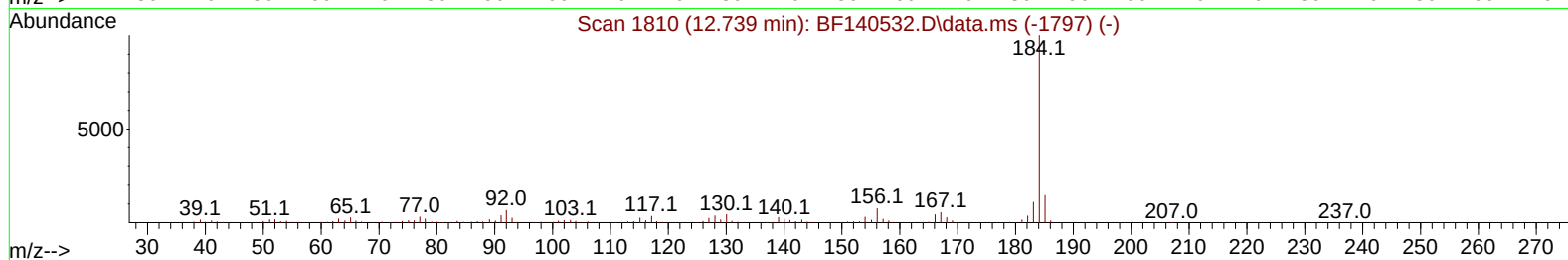
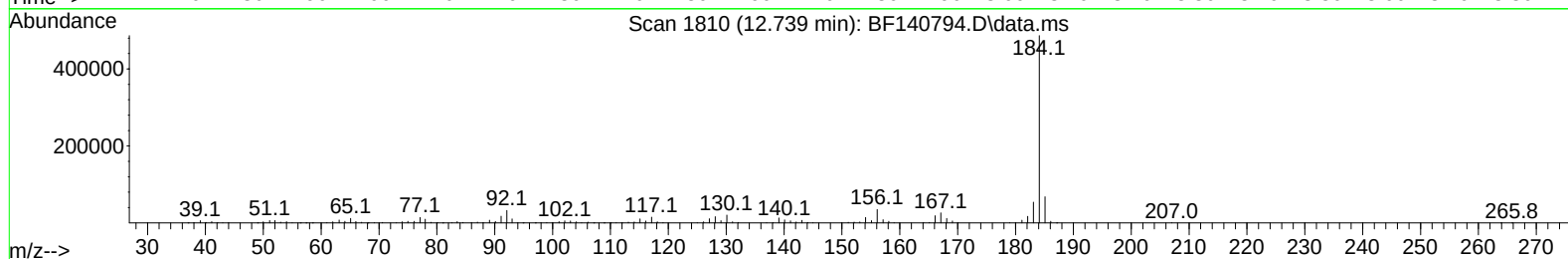
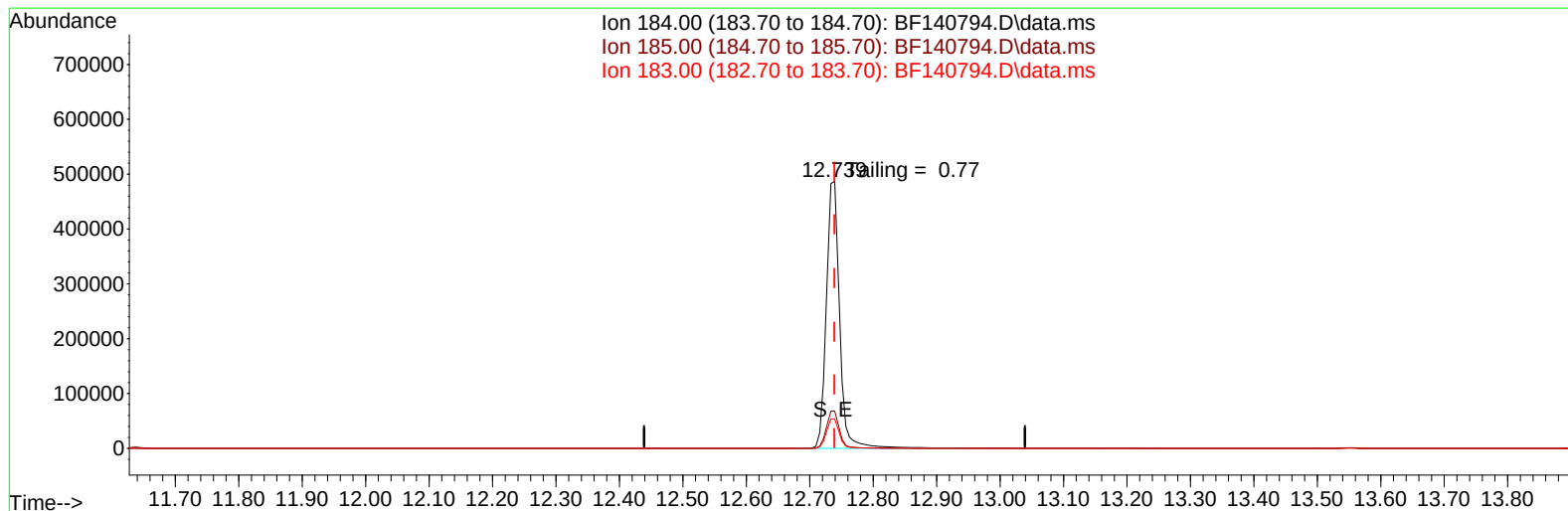
response 144930

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	66.34
264.00	62.30	63.51
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
Data File : BF140794.D
Acq On : 10 Dec 2024 09:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 10 13:02:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140794.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 18878.97 ng

response 709173

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	13.95
183.00	11.00	11.08
0.00	0.00	0.00

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	PB165423BL	SDG No.:	P5112
Lab Sample ID:	PB165423BL	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
BF140761.D	1	12/06/24 08:55	12/06/24 12:51	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.083	U	0.083	0.17	mg/Kg
208-96-8	Acenaphthylene	0.087	U	0.087	0.17	mg/Kg
83-32-9	Acenaphthene	0.081	U	0.081	0.17	mg/Kg
86-73-7	Fluorene	0.086	U	0.086	0.17	mg/Kg
85-01-8	Phenanthrene	0.084	U	0.084	0.17	mg/Kg
120-12-7	Anthracene	0.084	U	0.084	0.17	mg/Kg
206-44-0	Fluoranthene	0.082	U	0.082	0.17	mg/Kg
129-00-0	Pyrene	0.083	U	0.083	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.081	U	0.081	0.17	mg/Kg
218-01-9	Chrysene	0.080	U	0.080	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.081	U	0.081	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.083	U	0.083	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.093	U	0.093	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.078	U	0.078	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.081	U	0.081	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.080	U	0.080	0.17	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	92.7		18 - 107	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.3		20 - 109	97%	SPK: 100
1718-51-0	Terphenyl-d14	82.4		10 - 105	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74700	6.869			
1146-65-2	Naphthalene-d8	286000	8.151			
15067-26-2	Acenaphthene-d10	164000	9.91			
1517-22-2	Phenanthrene-d10	333000	11.398			
1719-03-5	Chrysene-d12	265000	14.057			
1520-96-3	Perylene-d12	224000	15.568			

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	PB165423BL	SDG No.:	P5112
Lab Sample ID:	PB165423BL	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
BF140761.D	1	12/06/24 08:55	12/06/24 12:51	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140761.D
Acq On : 06 Dec 2024 12:51
Operator : RC/JU
Sample : PB165423BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165423BL

Quant Time: Dec 06 12:14:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	74703	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	285610	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	164143	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	333073	20.000	ng	0.00
76) Chrysene-d12	14.057	240	265116	20.000	ng	0.00
86) Perylene-d12	15.568	264	224020	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	623215	142.342	ng	0.02
7) Phenol-d6	6.516	99	800761	138.343	ng	0.00
23) Nitrobenzene-d5	7.434	82	517801	92.734	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	267010	152.097	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1072045	97.311	ng	0.00
79) Terphenyl-d14	12.992	244	1403509	82.434	ng	0.00

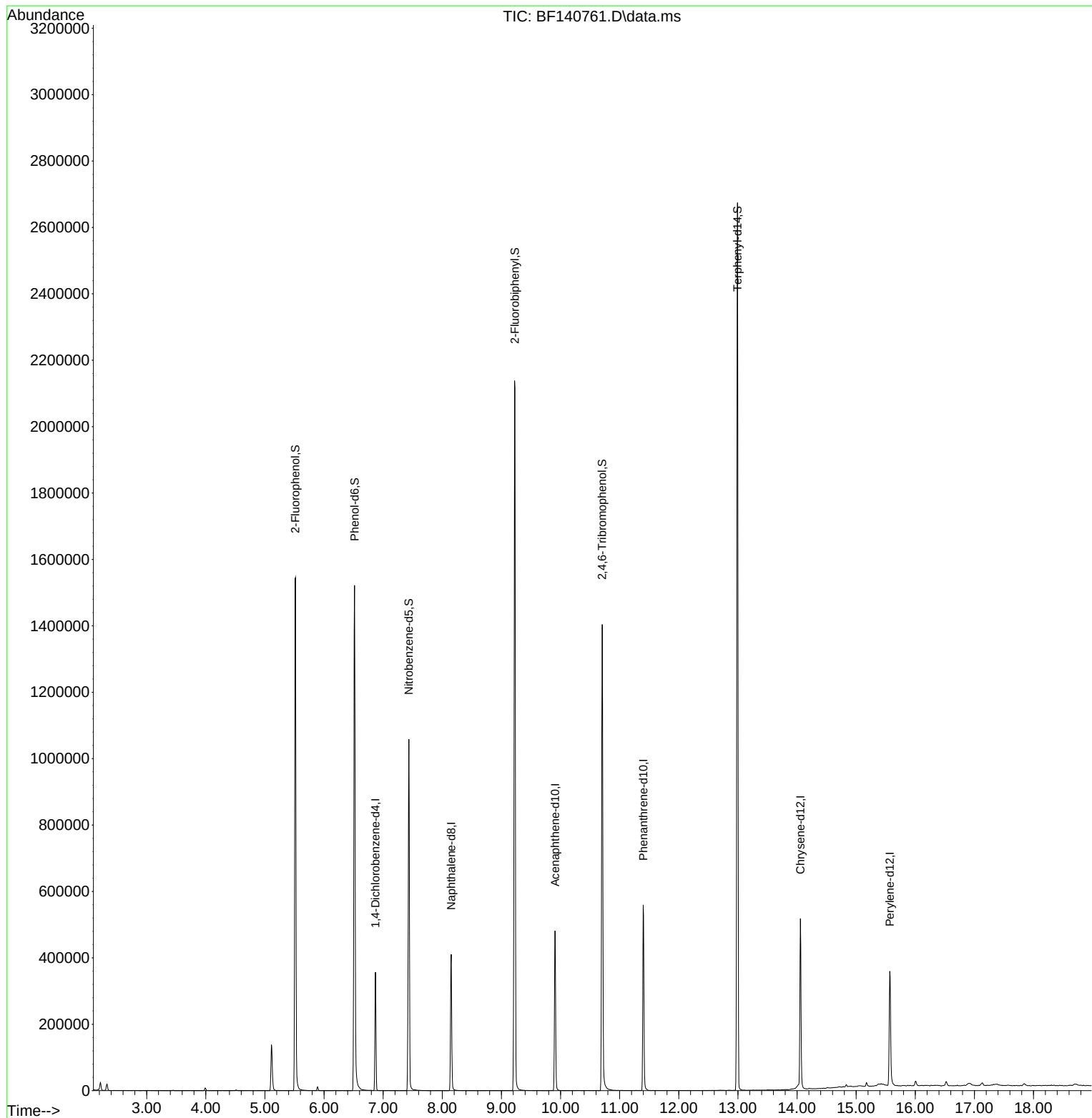
Target Compounds	Qvalue

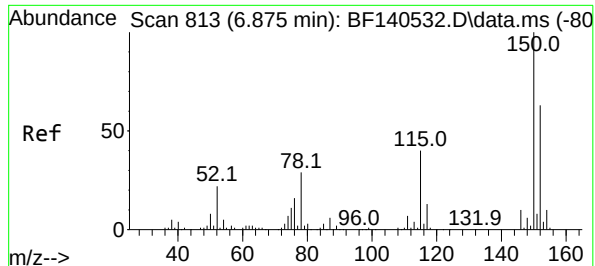
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
Data File : BF140761.D
Acq On : 06 Dec 2024 12:51
Operator : RC/JU
Sample : PB165423BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165423BL

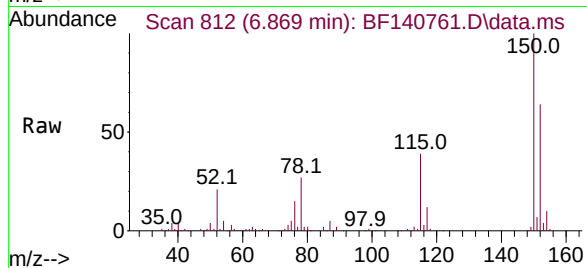
Quant Time: Dec 06 12:14:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



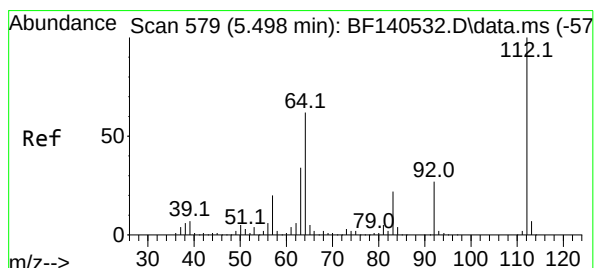
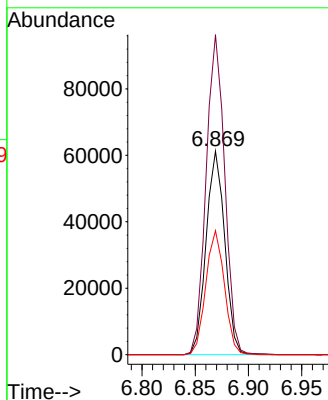
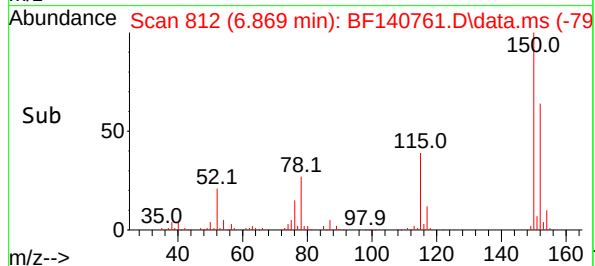


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140761.D
Acq: 06 Dec 2024 12:51

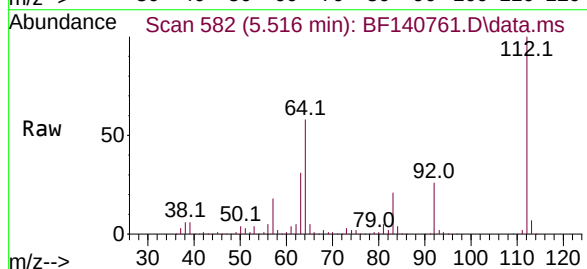
Instrument :
BNA_F
ClientSampleId :
PB165423BL



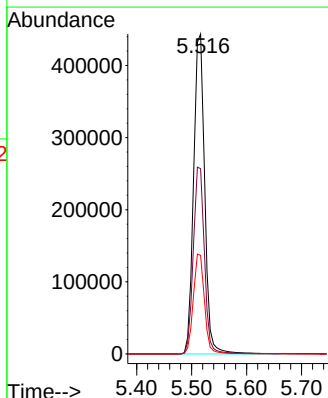
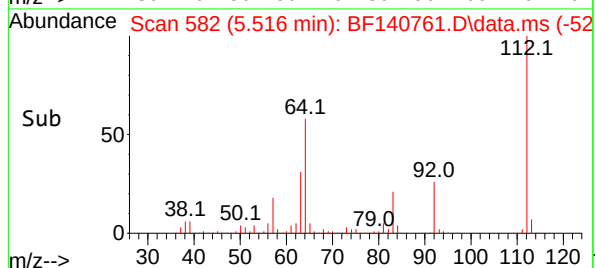
Tgt Ion:152 Resp: 74703
Ion Ratio Lower Upper
152 100
150 157.2 128.5 192.7
115 60.9 50.2 75.4

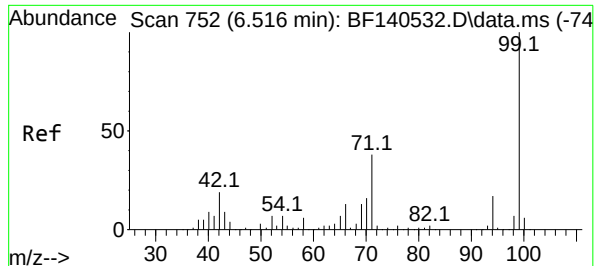


#5
2-Fluorophenol
Concen: 142.342 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140761.D
Acq: 06 Dec 2024 12:51



Tgt Ion:112 Resp: 623215
Ion Ratio Lower Upper
112 100
64 57.9 49.2 73.8
63 30.8 27.0 40.4

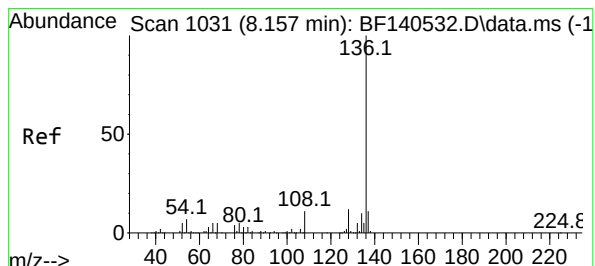
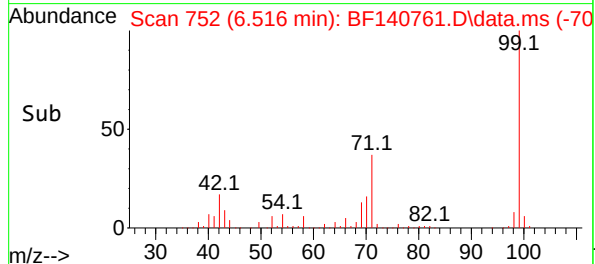
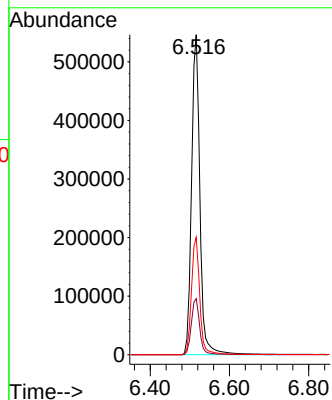
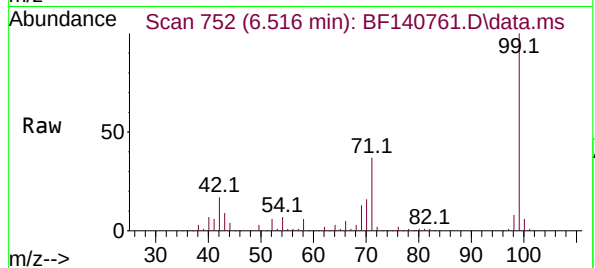




#7
Phenol-d6
Concen: 138.343 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140761.D
Acq: 06 Dec 2024 12:51

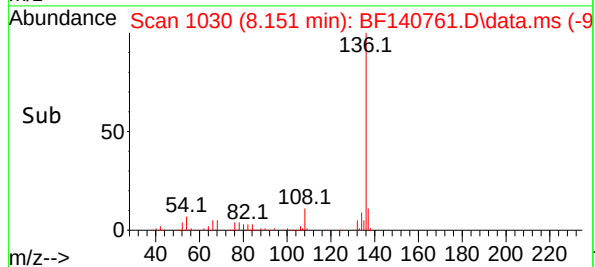
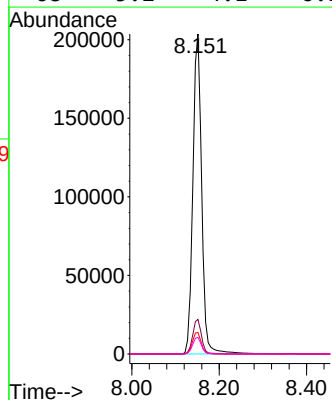
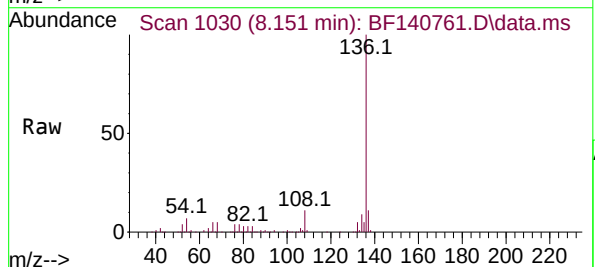
Instrument :
BNA_F
ClientSampleId :
PB165423BL

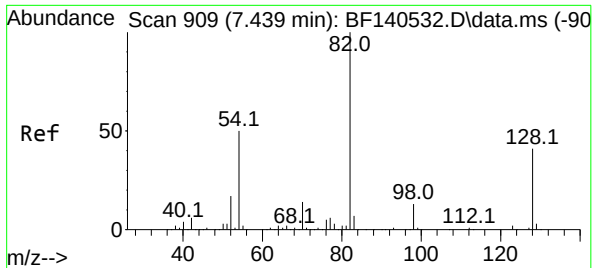
Tgt Ion: 99 Resp: 800761
Ion Ratio Lower Upper
99 100
42 17.5 15.4 23.0
71 36.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140761.D
Acq: 06 Dec 2024 12:51

Tgt Ion: 136 Resp: 285610
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.7 5.8 8.8
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 92.734 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

Instrument :

BNA_F

ClientSampleId :

PB165423BL

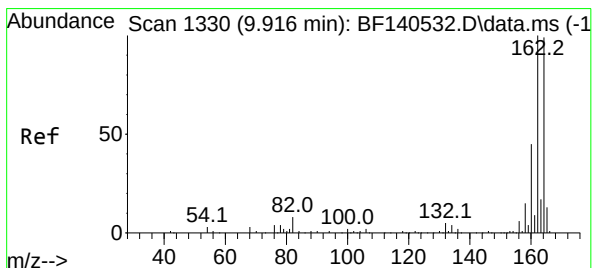
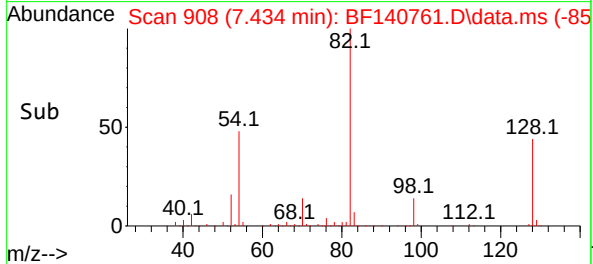
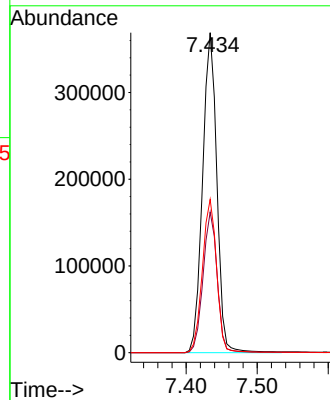
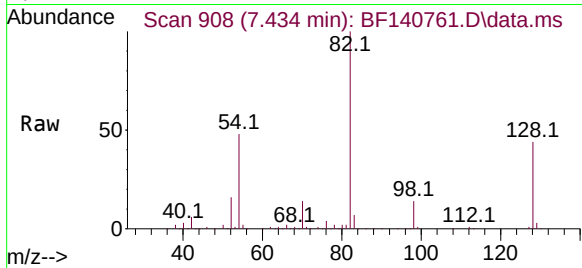
Tgt Ion: 82 Resp: 517801

Ion Ratio Lower Upper

82 100

128 43.9 33.0 49.4

54 47.9 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

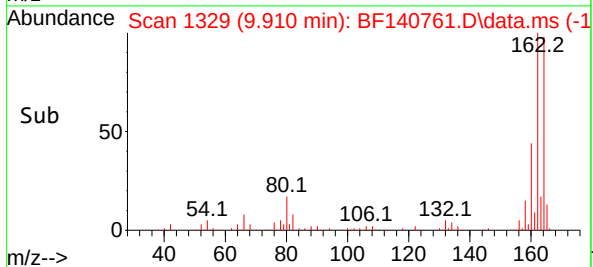
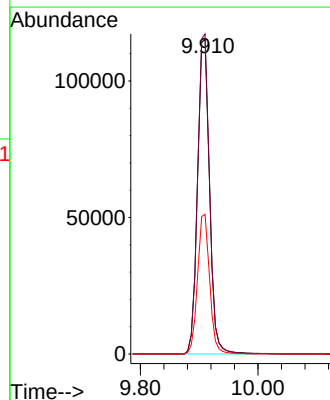
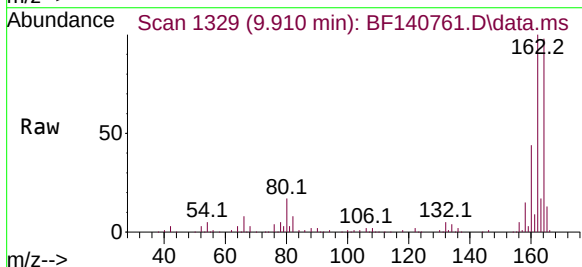
Tgt Ion:164 Resp: 164143

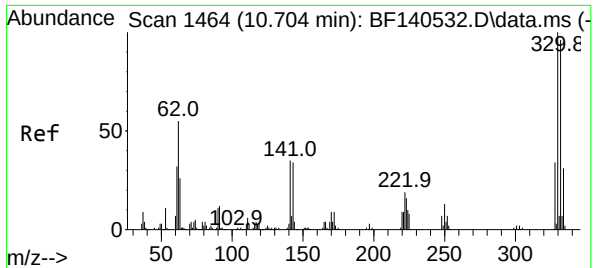
Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

160 44.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 152.097 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140761.D

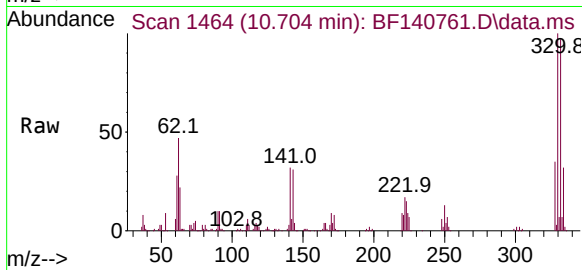
Acq: 06 Dec 2024 12:51

Instrument :

BNA_F

ClientSampleId :

PB165423BL



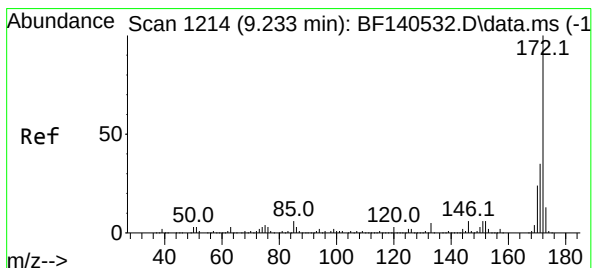
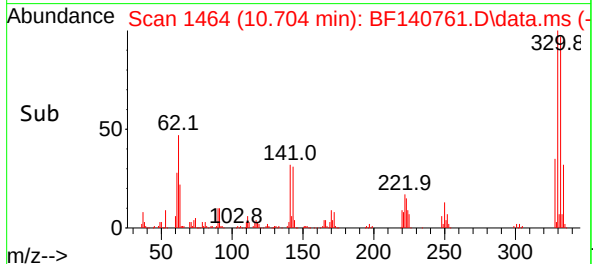
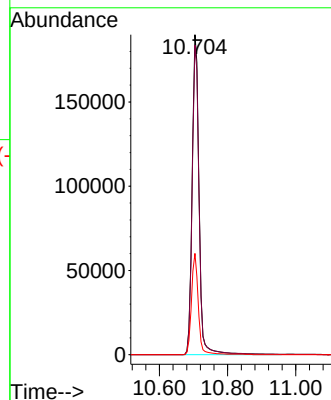
Tgt Ion:330 Resp: 267010

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 31.2 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 97.311 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

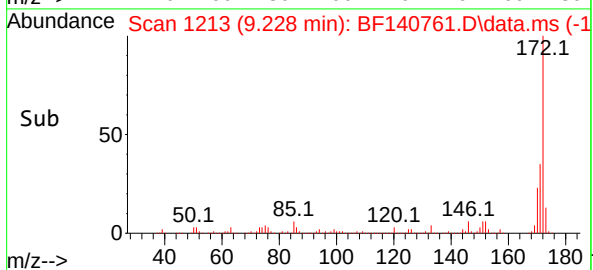
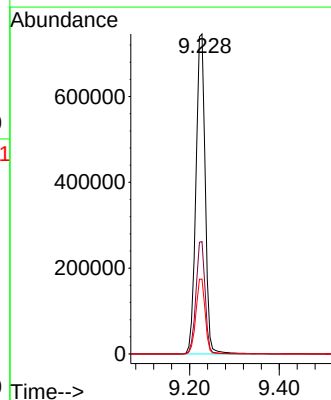
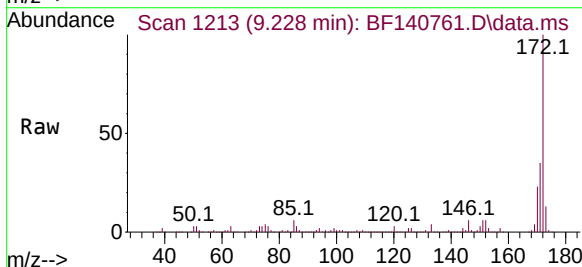
Tgt Ion:172 Resp: 1072045

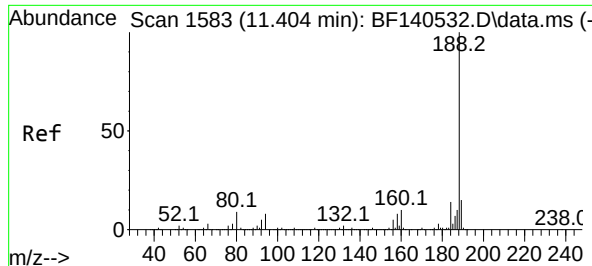
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

Instrument :

BNA_F

ClientSampleId :

PB165423BL

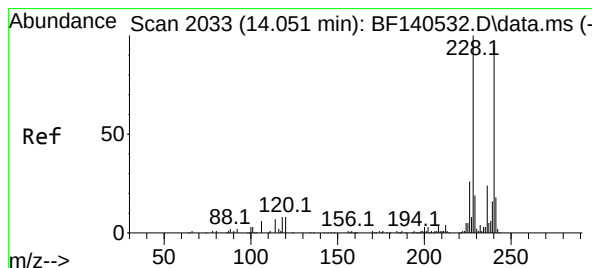
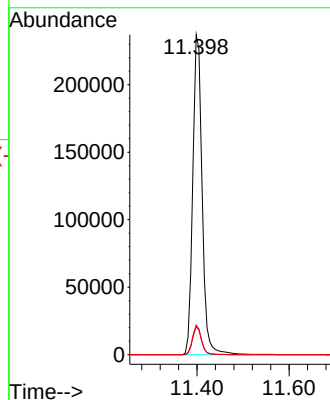
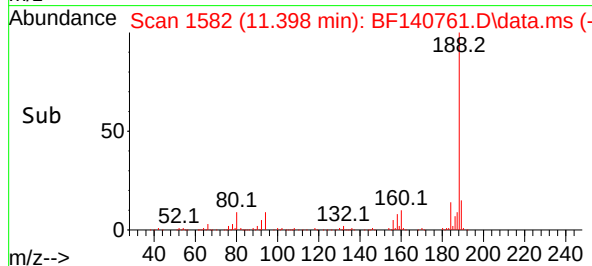
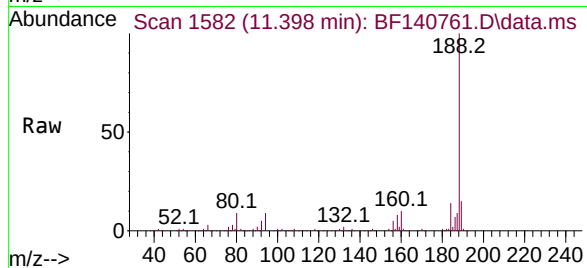
Tgt Ion:188 Resp: 333073

Ion Ratio Lower Upper

188 100

94 8.8 6.4 9.6

80 9.2 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

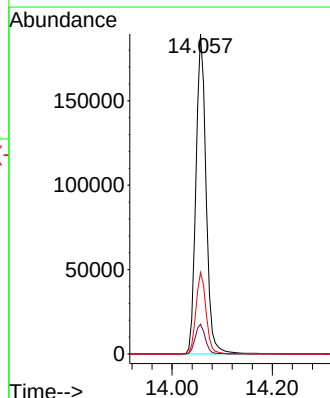
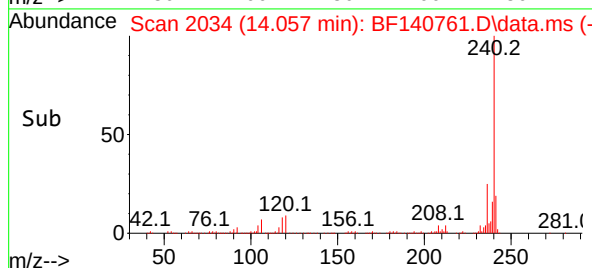
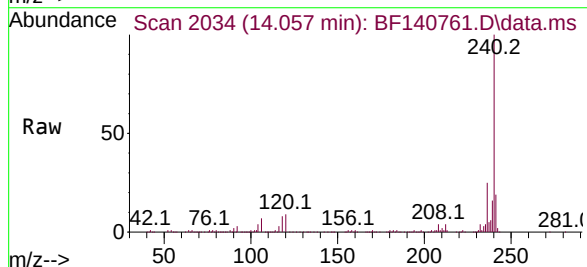
Tgt Ion:240 Resp: 265116

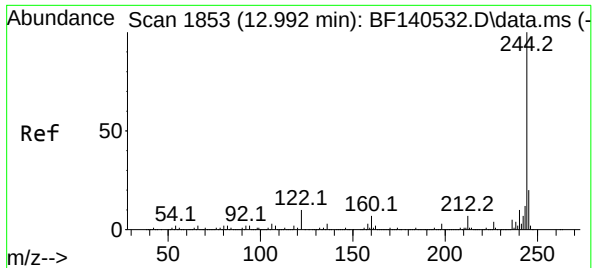
Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 25.5 20.6 31.0





#79

Terphenyl-d14

Concen: 82.434 ng

RT: 12.992 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

Instrument :

BNA_F

ClientSampleId :

PB165423BL

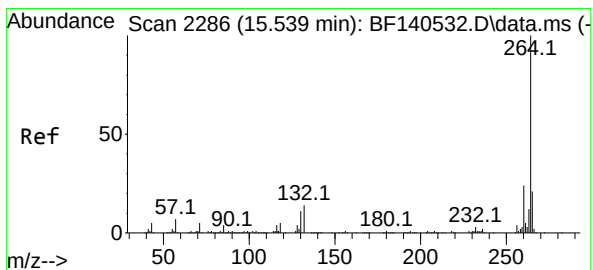
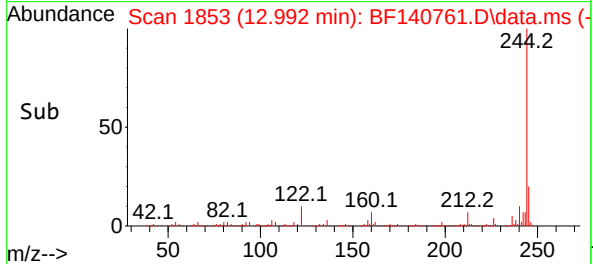
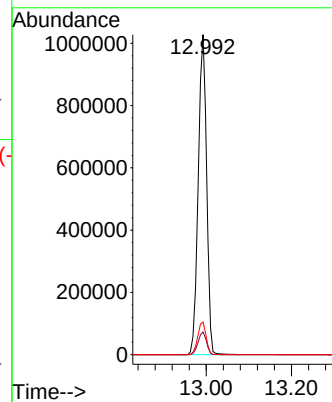
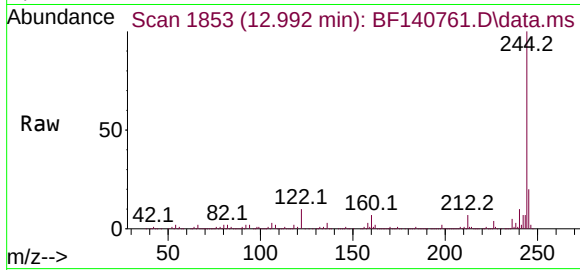
Tgt Ion:244 Resp: 1403509

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.2 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2291

Delta R.T. 0.030 min

Lab File: BF140761.D

Acq: 06 Dec 2024 12:51

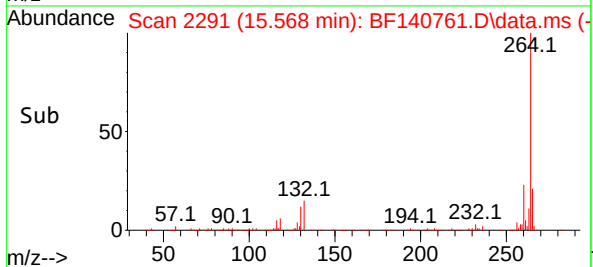
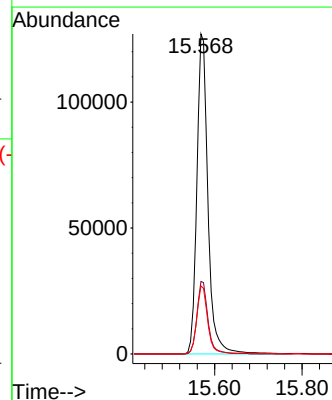
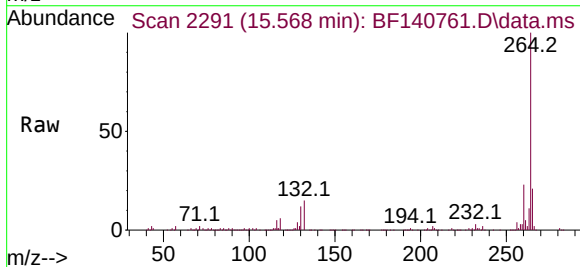
Tgt Ion:264 Resp: 224020

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 21.2 16.6 25.0



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	PB165423BS	SDG No.:	P5112
Lab Sample ID:	PB165423BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 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
BF140762.D	1	12/06/24 08:55	12/06/24 13:16	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1.50		0.083	0.17	mg/Kg
208-96-8	Acenaphthylene	1.60		0.086	0.17	mg/Kg
83-32-9	Acenaphthene	1.50		0.081	0.17	mg/Kg
86-73-7	Fluorene	1.50		0.085	0.17	mg/Kg
85-01-8	Phenanthrene	1.60		0.084	0.17	mg/Kg
120-12-7	Anthracene	1.70		0.084	0.17	mg/Kg
206-44-0	Fluoranthene	1.70		0.082	0.17	mg/Kg
129-00-0	Pyrene	1.40		0.083	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.70		0.081	0.17	mg/Kg
218-01-9	Chrysene	1.60		0.079	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.081	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.80		0.083	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.093	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.60		0.078	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.70		0.081	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.080	0.17	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	92.3		18 - 107	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.9		20 - 109	96%	SPK: 100
1718-51-0	Terphenyl-d14	96.0		10 - 105	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87700	6.869			
1146-65-2	Naphthalene-d8	337000	8.151			
15067-26-2	Acenaphthene-d10	193000	9.91			
1517-22-2	Phenanthrene-d10	364000	11.404			
1719-03-5	Chrysene-d12	240000	14.057			
1520-96-3	Perylene-d12	193000	15.556			

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	10th Street & 2nd Avenue	Date Received:	
Client Sample ID:	PB165423BS	SDG No.:	P5112
Lab Sample ID:	PB165423BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 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
BF140762.D	1	12/06/24 08:55	12/06/24 13:16	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140762.D
 Acq On : 06 Dec 2024 13:16
 Operator : RC/JU
 Sample : PB165423BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165423BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 12:37:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	87714	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	336659	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	192900	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	363576	20.000	ng	0.00
76) Chrysene-d12	14.057	240	240000	20.000	ng	0.00
86) Perylene-d12	15.556	264	193248	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	710968	138.297	ng	0.02
7) Phenol-d6	6.522	99	926111	136.266	ng	0.00
23) Nitrobenzene-d5	7.439	82	607364	92.280	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	304728	147.705	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1241313	95.878	ng	0.00
79) Terphenyl-d14	12.992	244	1480146	96.033	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.751	88	82509	38.173	ng	98
3) Pyridine	3.516	79	198902	41.824	ng	99
4) n-Nitrosodimethylamine	3.469	42	115475	41.313	ng	92
6) Aniline	6.539	93	230946	48.278	ng	# 63
8) 2-Chlorophenol	6.669	128	262537	47.468	ng	94
9) Benzaldehyde	6.428	77	68018	18.905	ng	98
10) Phenol	6.534	94	324940	46.816	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	263909	49.688	ng	97
12) 1,3-Dichlorobenzene	6.810	146	273365	43.987	ng	99
13) 1,4-Dichlorobenzene	6.886	146	280476	44.573	ng	100
14) 1,2-Dichlorobenzene	7.039	146	265286	44.991	ng	100
15) Benzyl Alcohol	7.022	79	234355	46.498	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	297829	47.465	ng	# 61
17) 2-Methylphenol	7.139	107	205938	46.515	ng	94
18) Hexachloroethane	7.381	117	103632	44.095	ng	98
19) n-Nitroso-di-n-propyla...	7.286	70	187861	46.771	ng	97
20) 3+4-Methylphenols	7.292	107	276452	48.580	ng	# 79
22) Acetophenone	7.281	105	367962	44.832	ng	# 94
24) Nitrobenzene	7.457	77	290540	42.711	ng	99
25) Isophorone	7.698	82	513131	46.742	ng	99
26) 2-Nitrophenol	7.775	139	142467	47.260	ng	96
27) 2,4-Dimethylphenol	7.810	122	213578m	59.215	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	311986	46.650	ng	99
29) 2,4-Dichlorophenol	8.028	162	233108	48.774	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	240608	44.092	ng	99
31) Naphthalene	8.175	128	784819	45.258	ng	99
32) Benzoic acid	7.963	122	120209	39.752	ng	98
33) 4-Chloroaniline	8.239	127	107878	20.778	ng	98
34) Hexachlorobutadiene	8.286	225	160000	44.267	ng	100
35) Caprolactam	8.610	113	70555m	47.703	ng	
36) 4-Chloro-3-methylphenol	8.727	107	250795	46.868	ng	99
37) 2-Methylnaphthalene	8.863	142	523686	47.546	ng	100
38) 1-Methylnaphthalene	8.963	142	482164	44.661	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	258940	45.853	ng	99
41) Hexachlorocyclopentadiene	9.016	237	195535	147.294	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	162791	45.940	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140762.D
 Acq On : 06 Dec 2024 13:16
 Operator : RC/JU
 Sample : PB165423BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165423BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 12:37:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	173343	45.074	ng	97
46) 1,1'-Biphenyl	9.327	154	664390	46.131	ng	100
47) 2-Chloronaphthalene	9.357	162	496087	45.459	ng	98
48) 2-Nitroaniline	9.463	65	156602	44.708	ng	95
49) Acenaphthylene	9.774	152	796256	48.292	ng	100
50) Dimethylphthalate	9.633	163	612732	48.230	ng	100
51) 2,6-Dinitrotoluene	9.704	165	128701	44.668	ng	94
52) Acenaphthene	9.945	154	484392	46.235	ng	99
53) 3-Nitroaniline	9.874	138	80397	28.530	ng	99
54) 2,4-Dinitrophenol	9.998	184	134351	89.053	ng	90
55) Dibenzofuran	10.122	168	734204	45.945	ng	99
56) 4-Nitrophenol	10.063	139	154405	80.341	ng	93
57) 2,4-Dinitrotoluene	10.116	165	177214	46.278	ng	94
58) Fluorene	10.463	166	596159	46.477	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	156322	52.890	ng	# 91
60) Diethylphthalate	10.333	149	626390	48.528	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	298099	47.356	ng	98
62) 4-Nitroaniline	10.498	138	134738	45.588	ng	94
63) Azobenzene	10.610	77	583476	47.734	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	97656	52.563	ng	95
66) n-Nitrosodiphenylamine	10.574	169	523926	48.729	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	181461	48.464	ng	96
68) Hexachlorobenzene	11.016	284	206588	47.650	ng	98
69) Atrazine	11.104	200	168177	55.601	ng	98
70) Pentachlorophenol	11.216	266	171479	89.866	ng	99
71) Phenanthrene	11.427	178	849472	48.606	ng	99
72) Anthracene	11.480	178	877387	51.322	ng	99
73) Carbazole	11.639	167	792099	48.163	ng	100
74) Di-n-butylphthalate	11.957	149	993945	52.349	ng	100
75) Fluoranthene	12.621	202	946290	49.870	ng	99
77) Benzidine	12.745	184	232728	33.352	ng	99
78) Pyrene	12.851	202	957620	43.154	ng	99
80) Butylbenzylphthalate	13.462	149	392953	49.155	ng	99
81) Benzo(a)anthracene	14.045	228	790541	49.760	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	169885	35.616	ng	100
83) Chrysene	14.086	228	676595	46.575	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	508592	50.385	ng	98
85) Di-n-octyl phthalate	14.645	149	710648	51.515	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	616440	48.948	ng	99
88) Benzo(b)fluoranthene	15.121	252	558213	45.988	ng	99
89) Benzo(k)fluoranthene	15.151	252	570351	53.695	ng	99
90) Benzo(a)pyrene	15.498	252	516562	52.340	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	511387	49.583	ng	100
92) Benzo(g,h,i)perylene	17.545	276	467548	44.424	ng	98

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

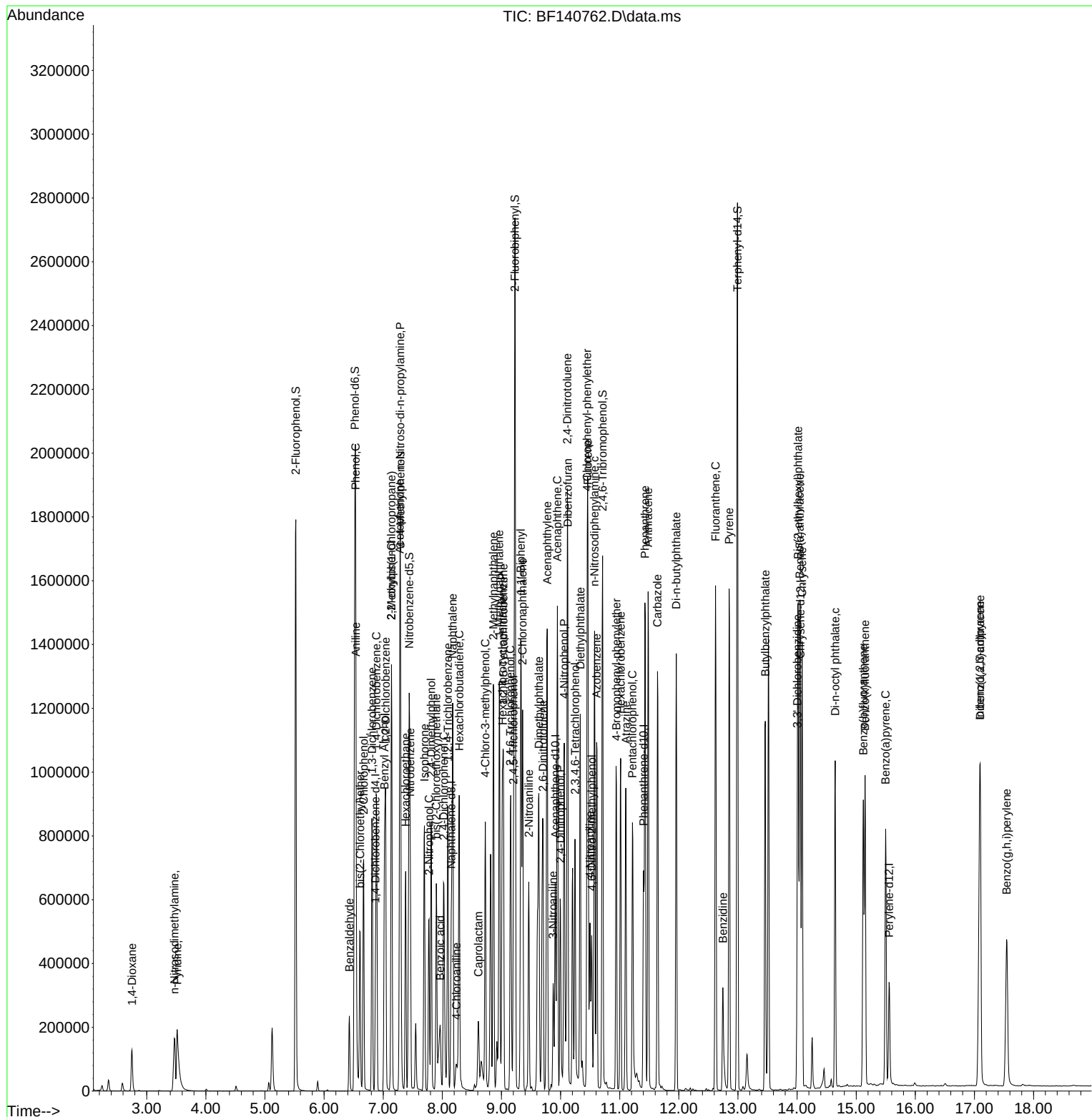
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Acq On    : 06 Dec 2024 13:16  
Operator  : RC/JU  
Sample    : PB165423BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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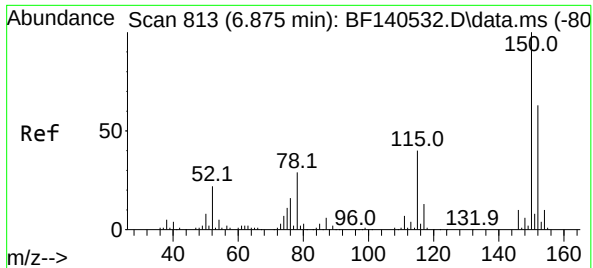
Instrument :
BNA_F
ClientSampleId :
PB165423BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

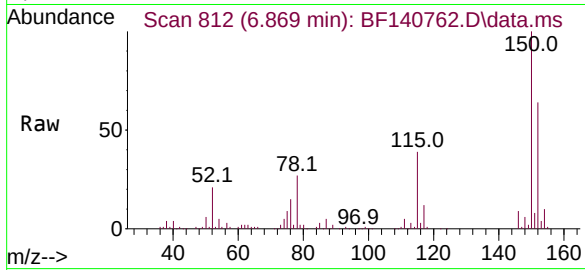
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

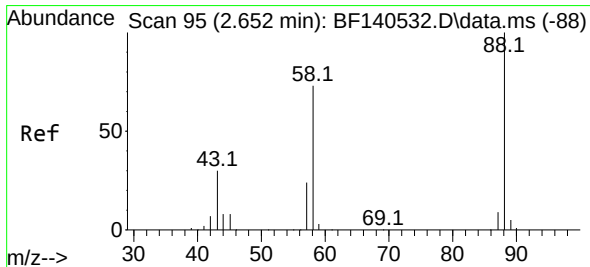
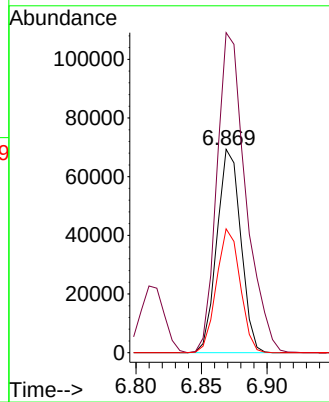
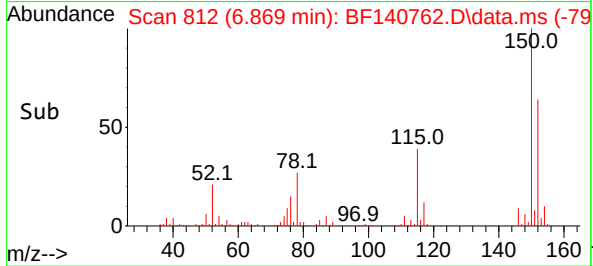
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:152 Resp: 87714
Ion Ratio Lower Upper
152 100
150 157.4 128.5 192.7
115 60.9 50.2 75.4

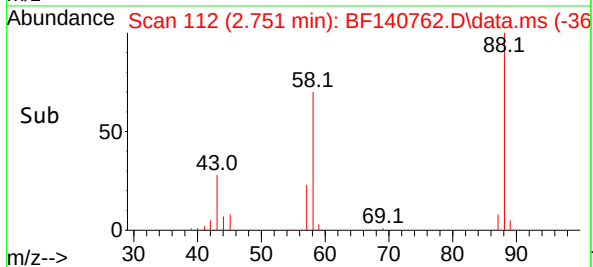
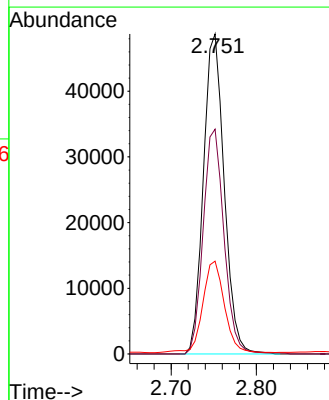
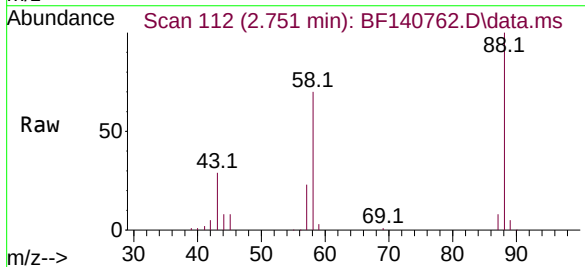
Manual Integrations
APPROVED

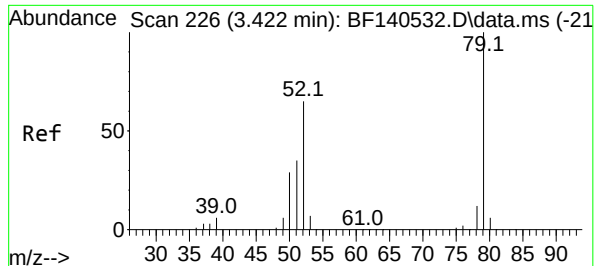
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#2
1,4-Dioxane
Concen: 38.173 ng
RT: 2.751 min Scan# 112
Delta R.T. 0.100 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion: 88 Resp: 82509
Ion Ratio Lower Upper
88 100
58 70.4 57.4 86.2
43 29.7 24.3 36.5





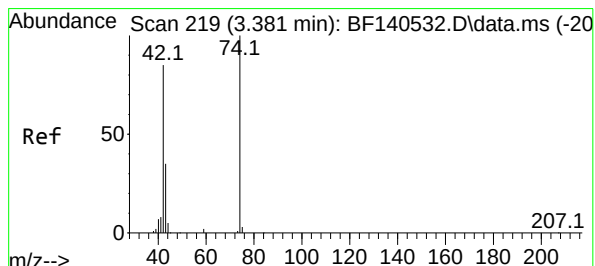
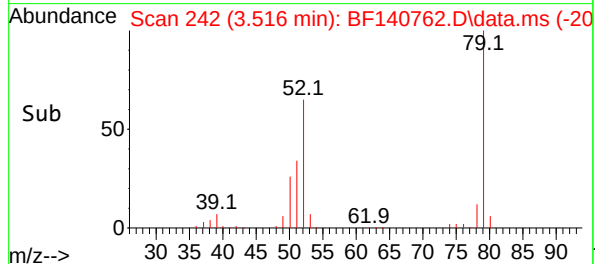
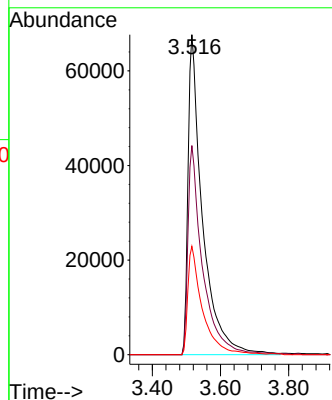
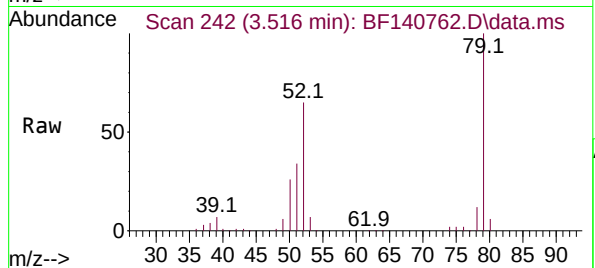
#3
Pyridine
Concen: 41.824 ng
RT: 3.516 min Scan# 24
Delta R.T. 0.094 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :
BNA_F
ClientSampleId :
PB165423BS

Tgt Ion: 79 Resp: 19890
Ion Ratio Lower Upper
79 100
52 65.3 52.1 78.1
51 33.8 27.8 41.8

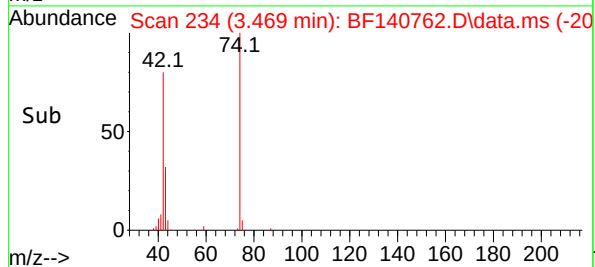
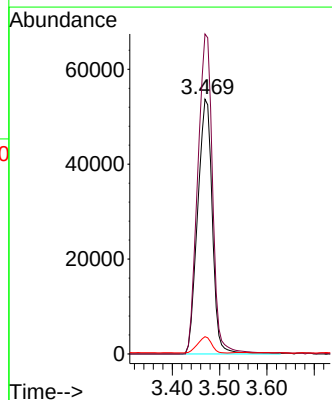
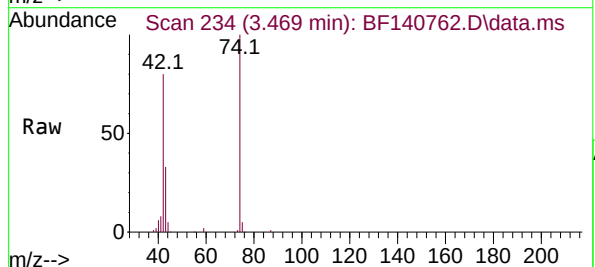
Manual Integrations
APPROVED

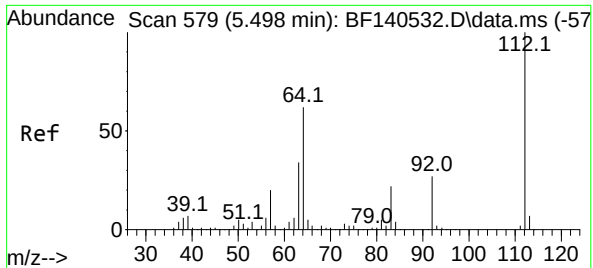
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#4
n-Nitrosodimethylamine
Concen: 41.313 ng
RT: 3.469 min Scan# 234
Delta R.T. 0.088 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion: 42 Resp: 115475
Ion Ratio Lower Upper
42 100
74 125.7 93.8 140.6
44 6.8 4.6 6.8





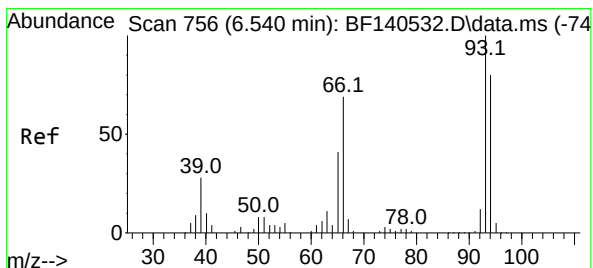
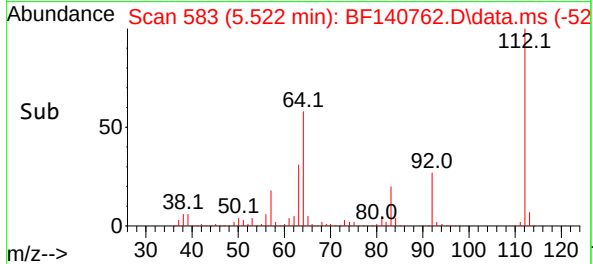
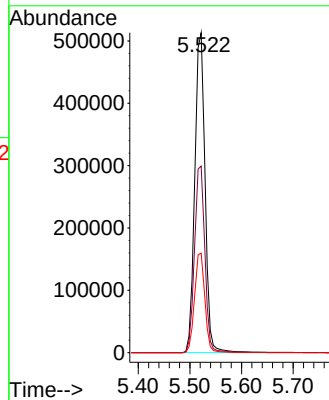
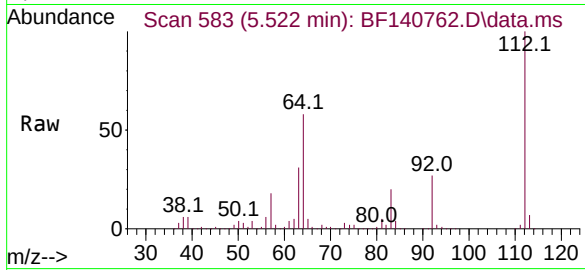
#5
2-Fluorophenol
Concen: 138.297 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.023 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :
BNA_F
ClientSampleId :
PB165423BS

Tgt Ion:112 Resp: 71096
Ion Ratio Lower Upper
112 100
64 58.3 49.2 73.8
63 31.1 27.0 40.4

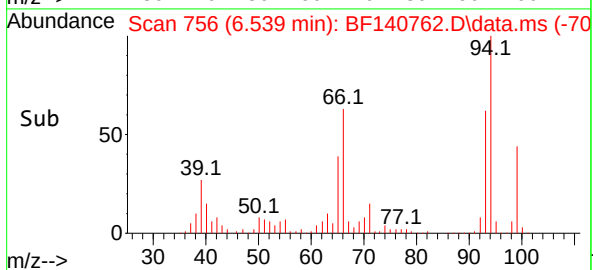
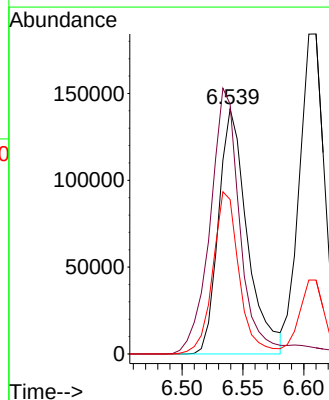
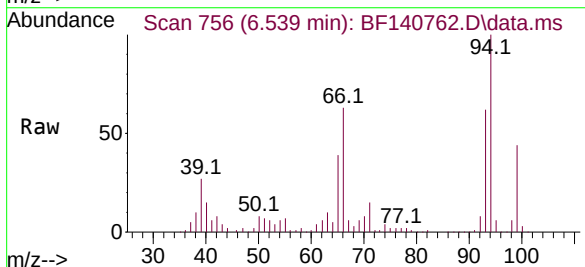
Manual Integrations
APPROVED

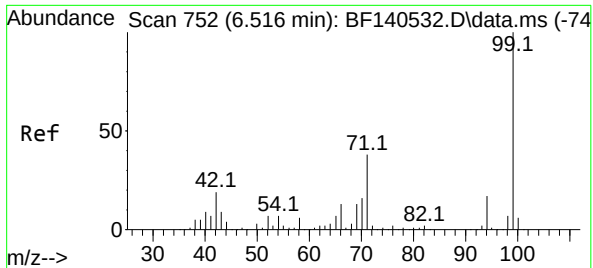
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#6
Aniline
Concen: 48.278 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion: 93 Resp: 230946
Ion Ratio Lower Upper
93 100
66 101.9 56.5 84.7#
65 63.0 32.9 49.3#





#7

Phenol-d6

Concen: 136.266 ng

RT: 6.522 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion: 99 Resp: 92611

Ion Ratio Lower Upper

99 100

42 17.9 15.4 23.0

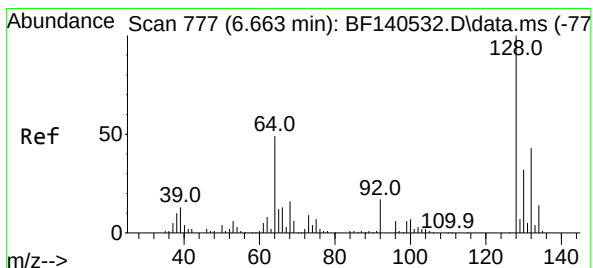
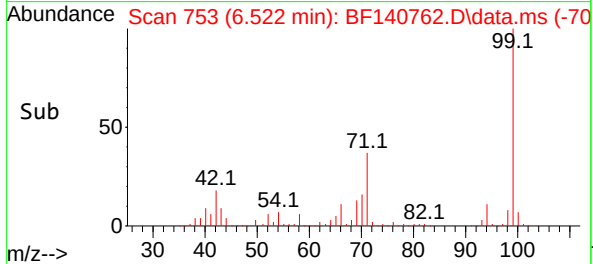
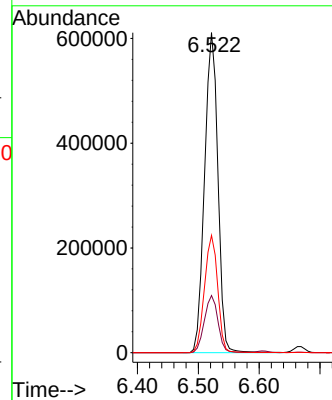
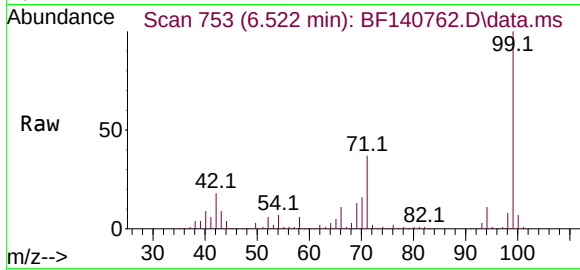
71 36.7 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#8

2-Chlorophenol

Concen: 47.468 ng

RT: 6.669 min Scan# 778

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

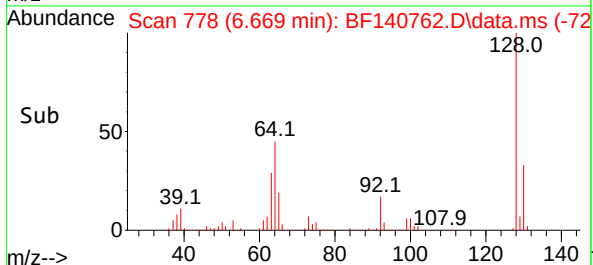
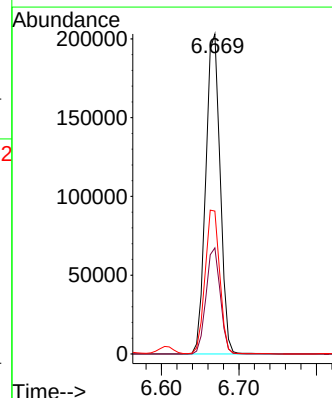
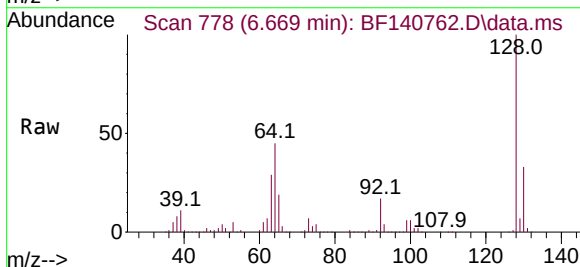
Tgt Ion:128 Resp: 262537

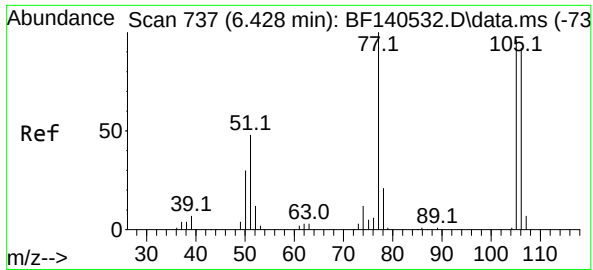
Ion Ratio Lower Upper

128 100

130 33.2 12.3 52.3

64 44.6 30.2 70.2





#9

Benzaldehyde

Concen: 18.905 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion: 77 Resp: 68018

Ion Ratio Lower Upper

77 100

105 93.7 75.6 115.6

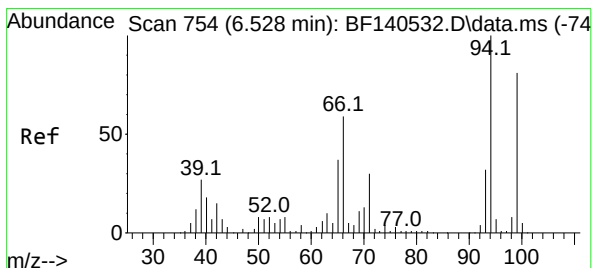
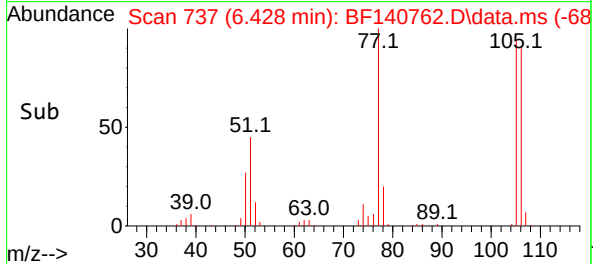
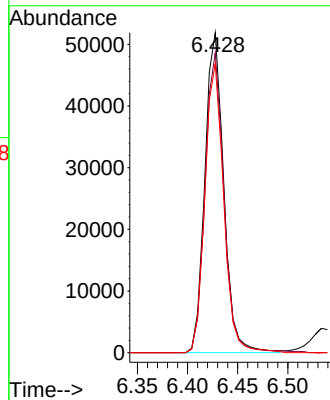
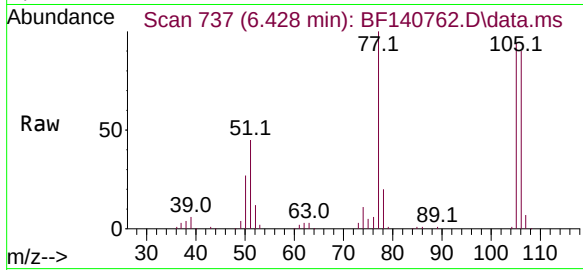
106 90.3 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#10

Phenol

Concen: 46.816 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

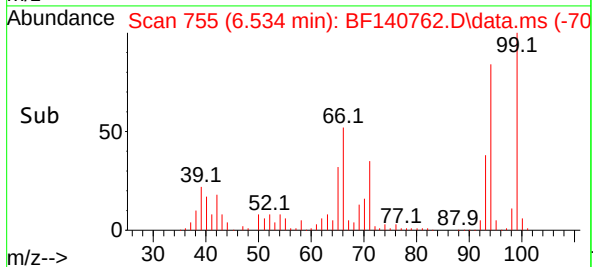
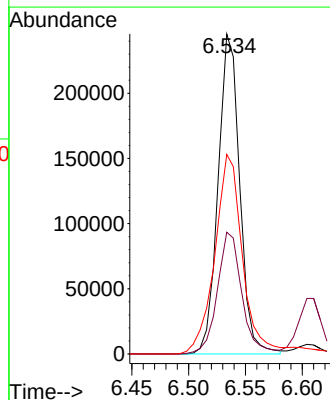
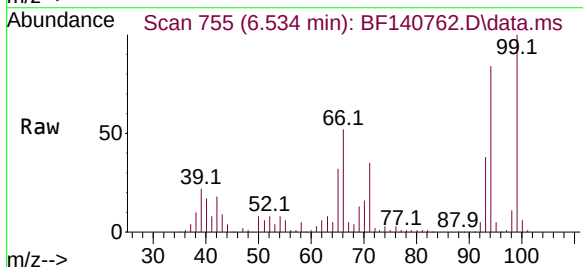
Tgt Ion: 94 Resp: 324940

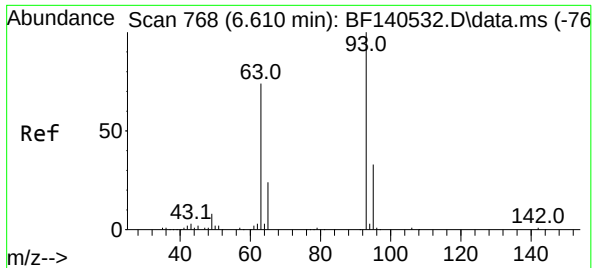
Ion Ratio Lower Upper

94 100

65 38.0 17.2 57.2

66 62.3 39.2 79.2





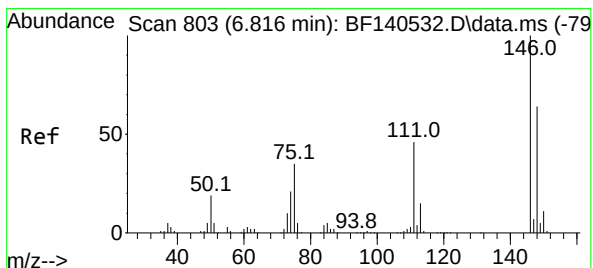
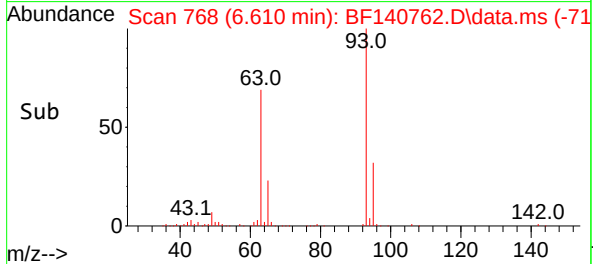
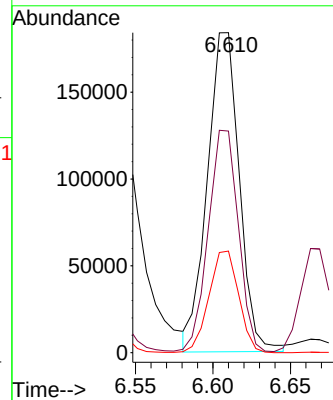
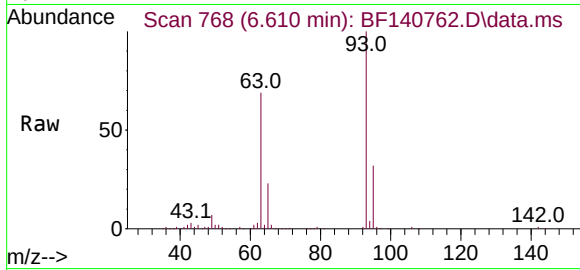
#11
bis(2-Chloroethyl)ether
Concen: 49.688 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :
BNA_F
ClientSampleId :
PB165423BS

Tgt Ion: 93 Resp: 263909
Ion Ratio Lower Upper
93 100
63 69.3 52.8 92.8
95 31.8 12.3 52.3

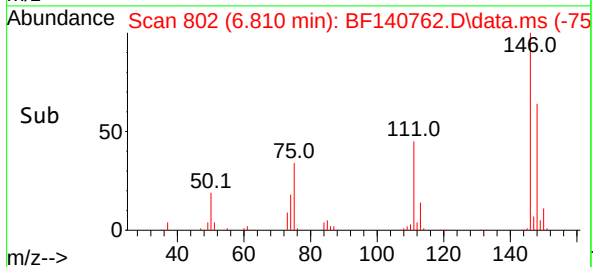
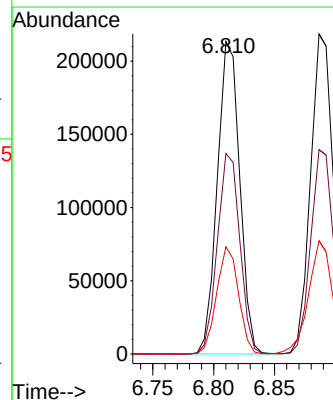
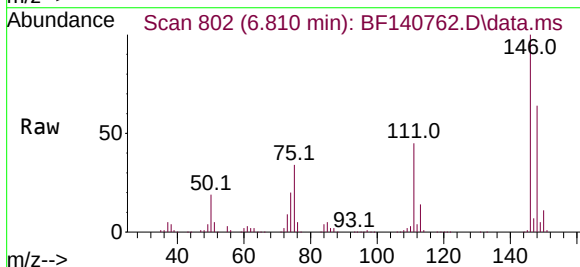
Manual Integrations
APPROVED

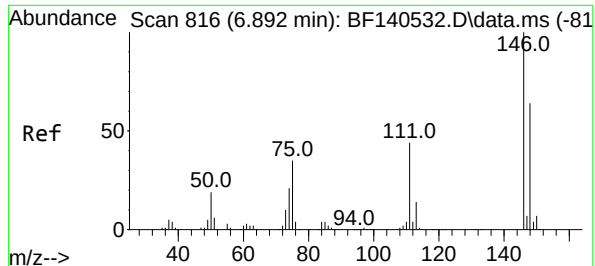
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#12
1,3-Dichlorobenzene
Concen: 43.987 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion:146 Resp: 273365
Ion Ratio Lower Upper
146 100
148 64.2 51.3 76.9
75 34.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 44.573 ng

RT: 6.886 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:146 Resp: 280470

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

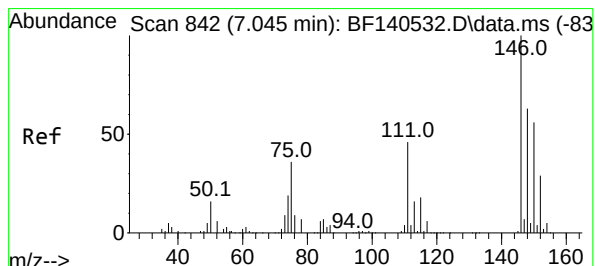
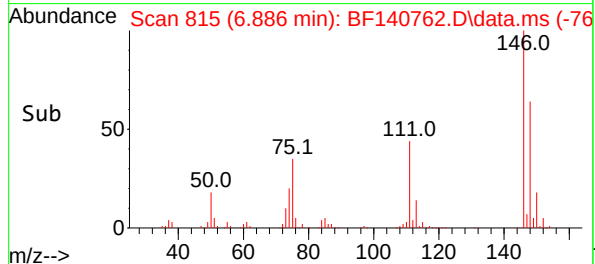
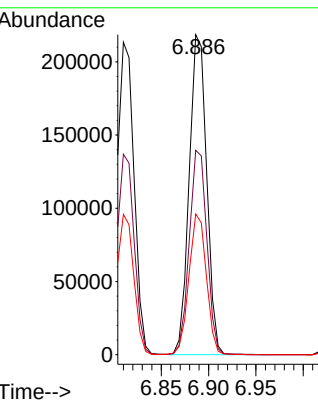
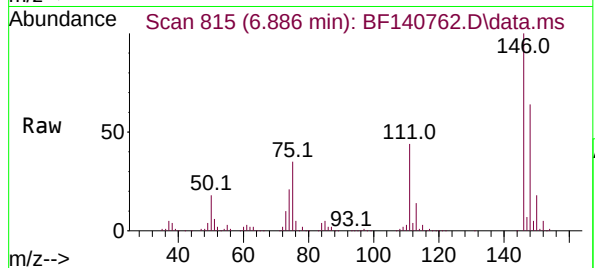
111 44.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#14

1,2-Dichlorobenzene

Concen: 44.991 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

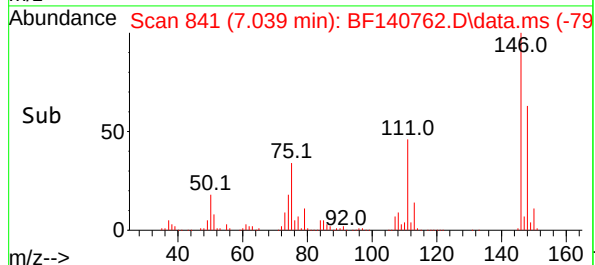
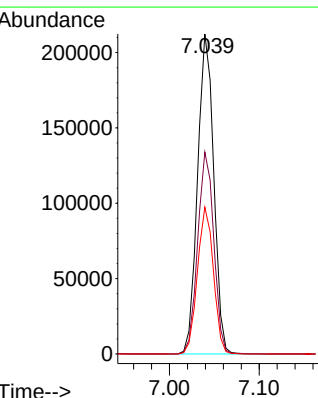
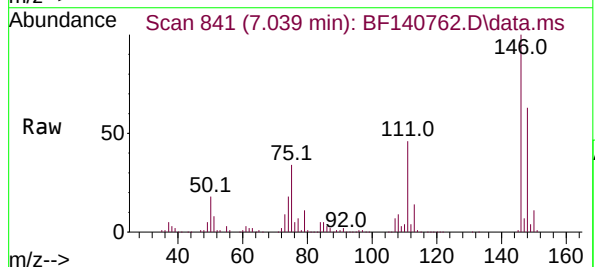
Tgt Ion:146 Resp: 265286

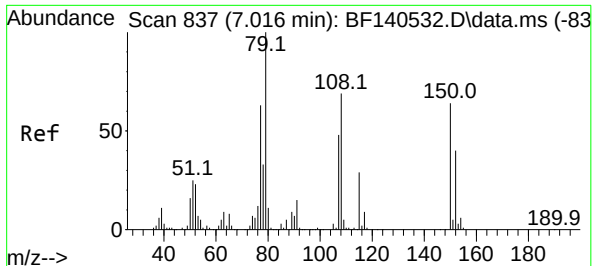
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.8 36.7 55.1





#15

Benzyl Alcohol

Concen: 46.498 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion: 79 Resp: 23435

Ion Ratio Lower Upper

79 100

108 71.7 55.0 82.6

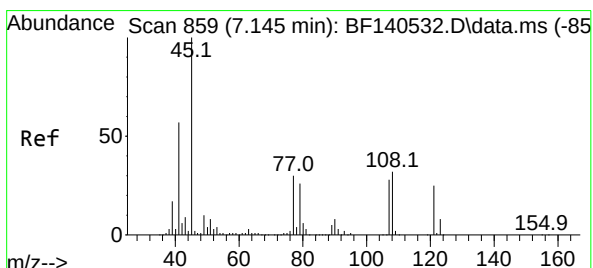
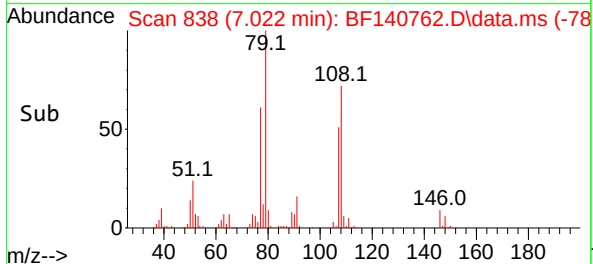
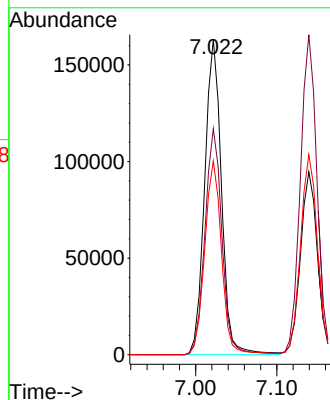
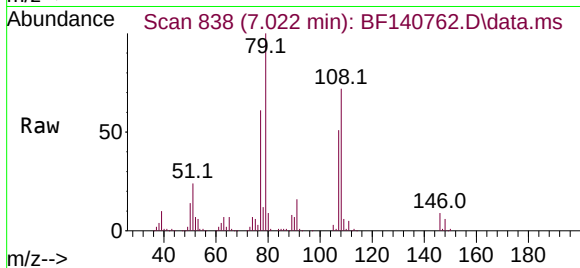
77 61.4 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.465 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

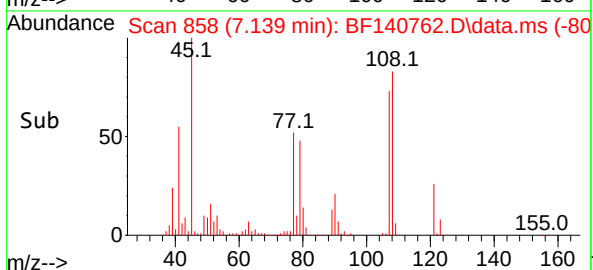
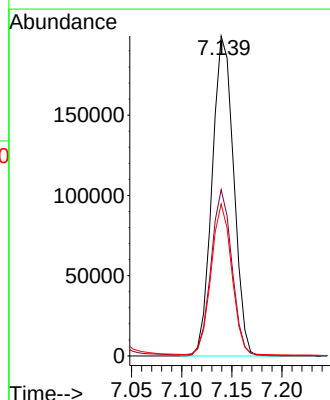
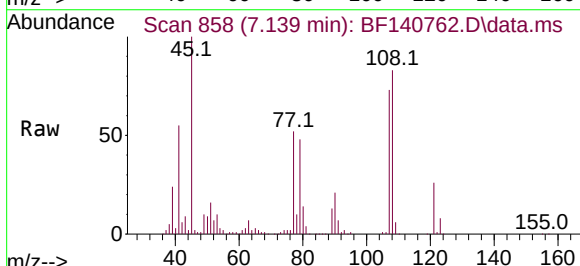
Tgt Ion: 45 Resp: 297829

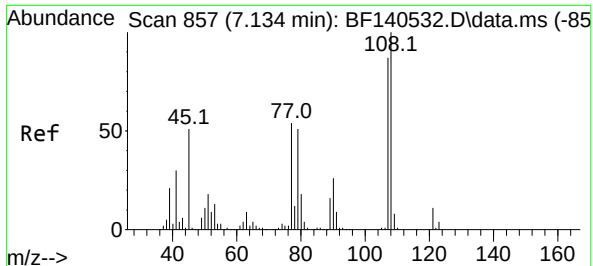
Ion Ratio Lower Upper

45 100

77 52.0 10.7 50.7#

79 47.5 7.0 47.0#





#17

2-Methylphenol

Concen: 46.515 ng

RT: 7.139 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF140762.D

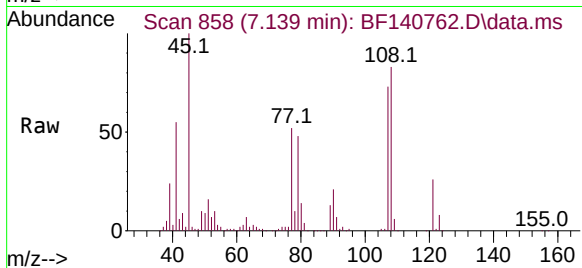
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS



Tgt Ion:107 Resp: 205938

Ion Ratio Lower Upper

107 100

108 114.2 91.7 137.5

77 71.4 49.3 73.9

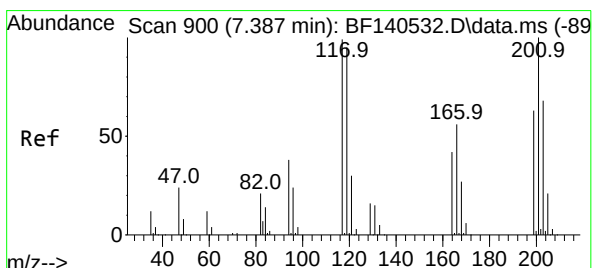
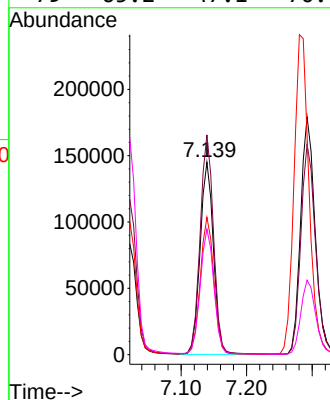
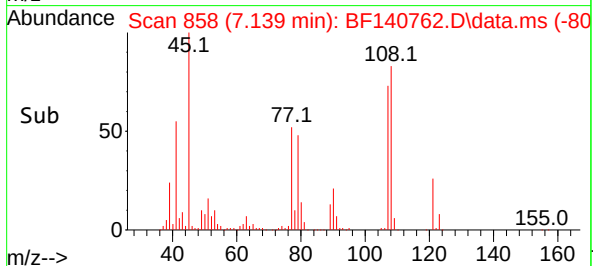
79 65.2 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#18

Hexachloroethane

Concen: 44.095 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

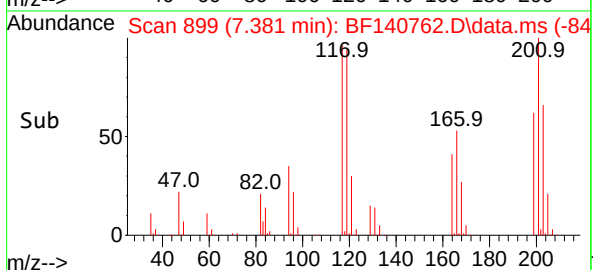
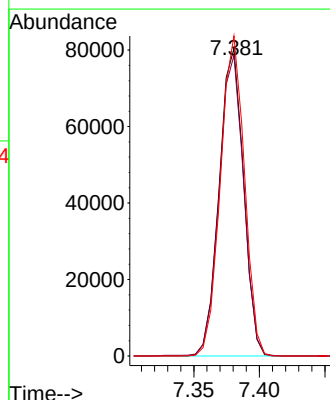
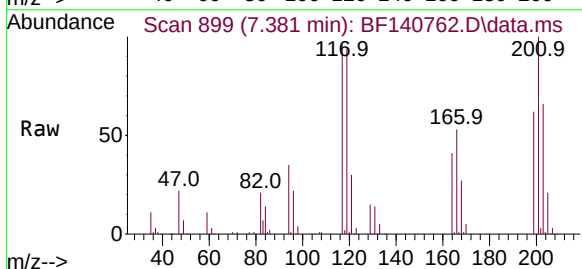
Tgt Ion:117 Resp: 103632

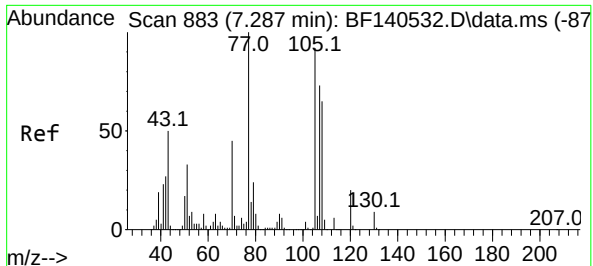
Ion Ratio Lower Upper

117 100

119 97.7 77.1 115.7

201 104.0 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 46.771 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140762.D

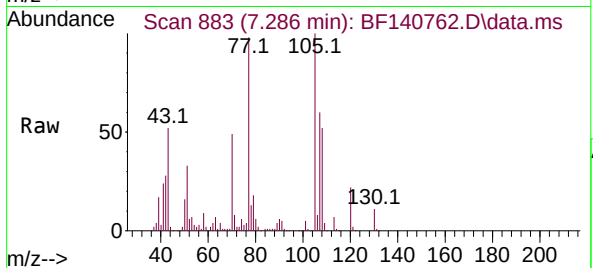
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS



Tgt Ion: 70 Resp: 18786

Ion Ratio Lower Upper

70 100

42 56.7 47.6 71.4

101 9.8 7.6 11.4

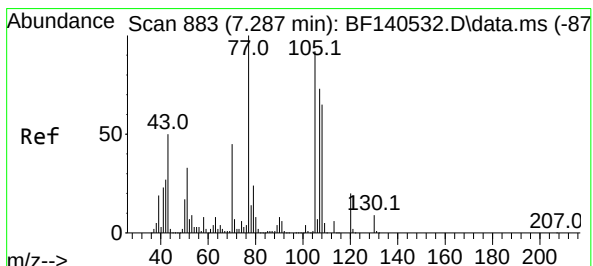
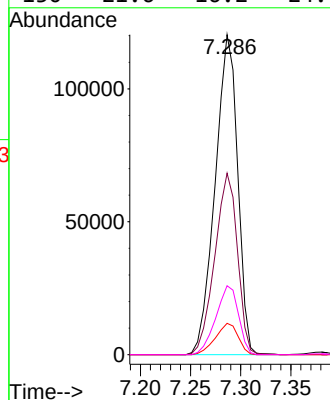
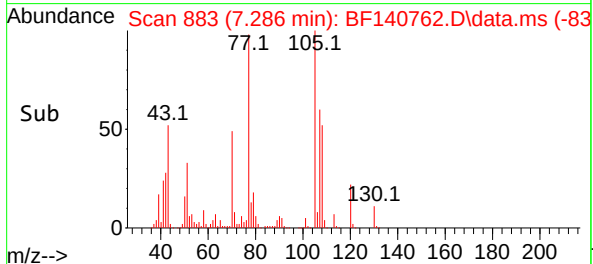
130 21.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#20

3+4-Methylphenols

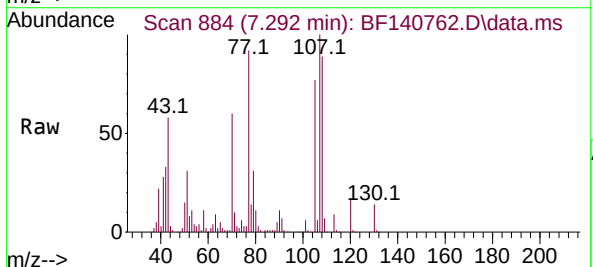
Concen: 48.580 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16



Tgt Ion:107 Resp: 276452

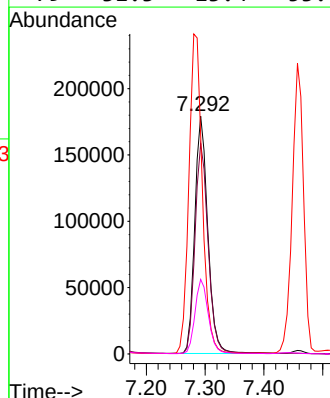
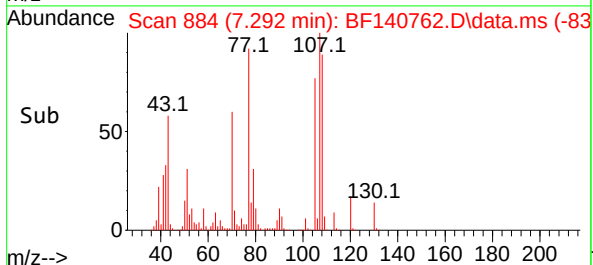
Ion Ratio Lower Upper

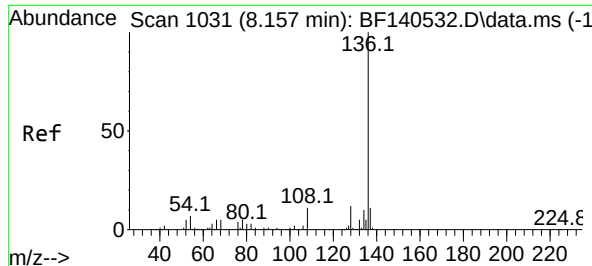
107 100

108 88.5 69.9 109.9

77 91.9 117.7 157.7#

79 31.3 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:136 Resp: 336659

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.9 5.8 8.8

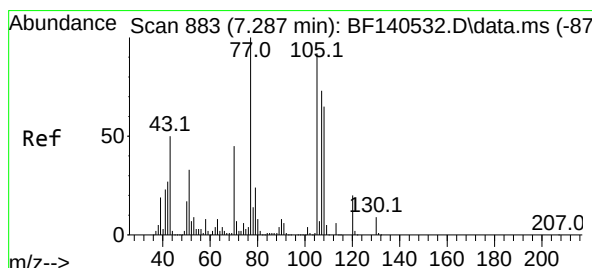
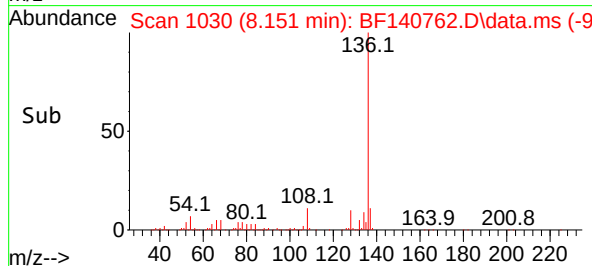
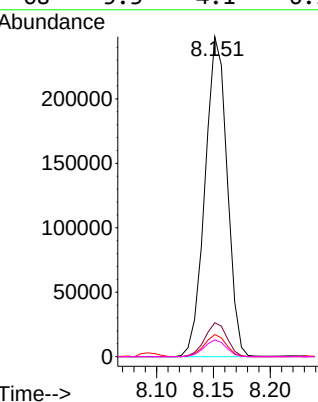
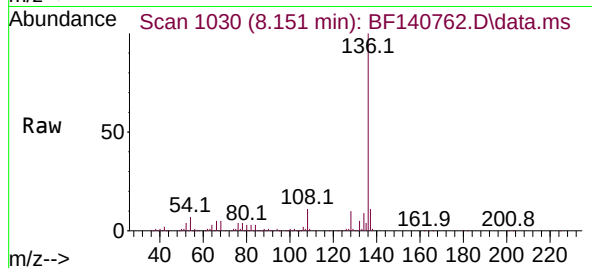
68 5.3 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#22

Acetophenone

Concen: 44.832 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Tgt Ion:105 Resp: 367962

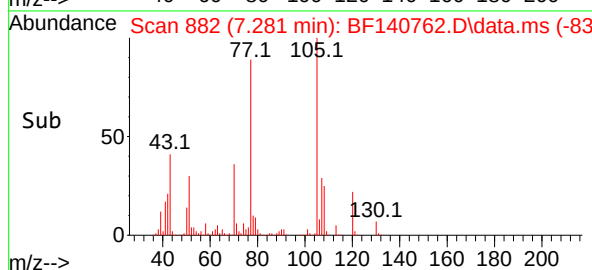
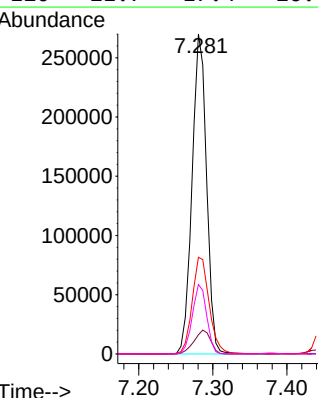
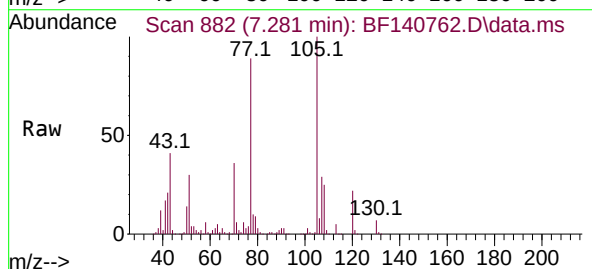
Ion Ratio Lower Upper

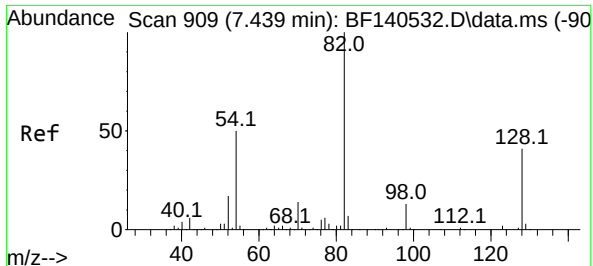
105 100

71 6.0 6.2 9.2#

51 30.2 29.0 43.6

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.280 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion: 82 Resp: 607364

Ion Ratio Lower Upper

82 100

128 43.7 33.0 49.4

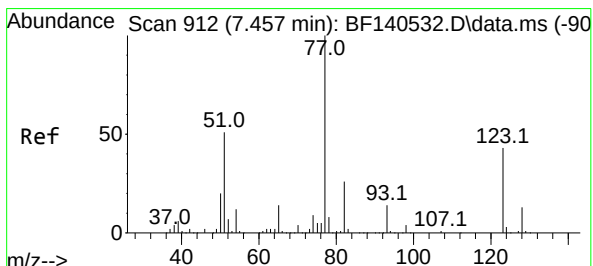
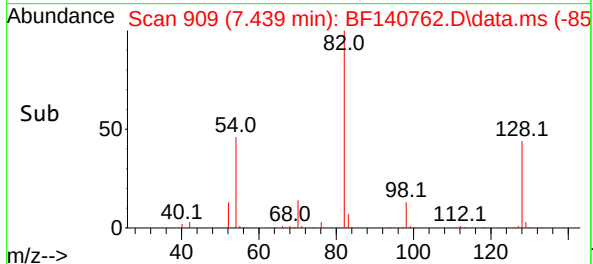
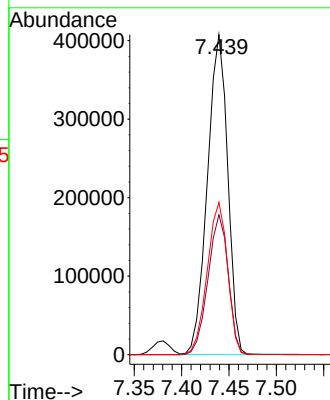
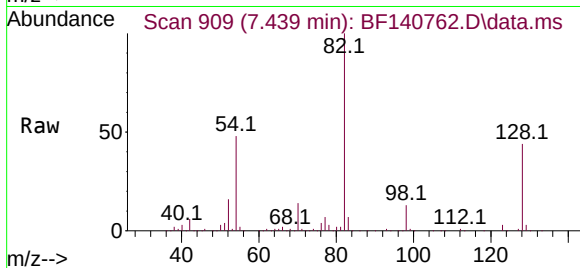
54 47.6 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#24

Nitrobenzene

Concen: 42.711 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

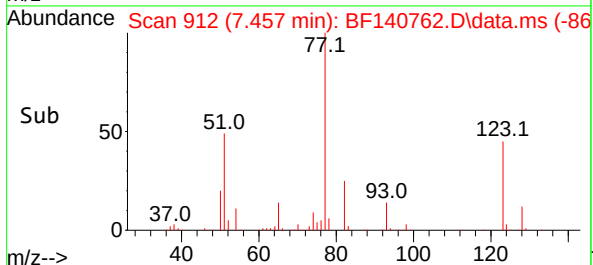
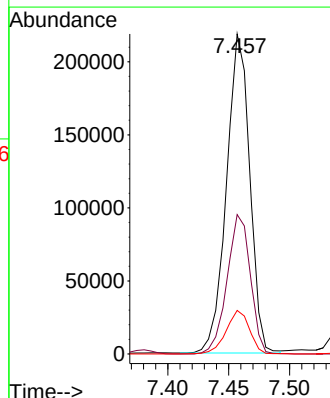
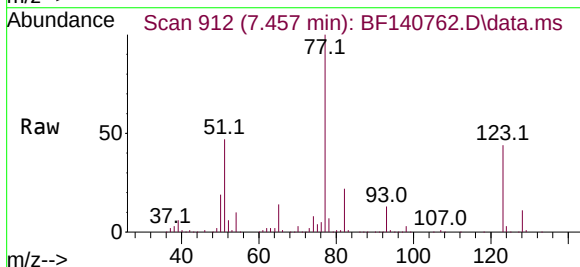
Tgt Ion: 77 Resp: 290540

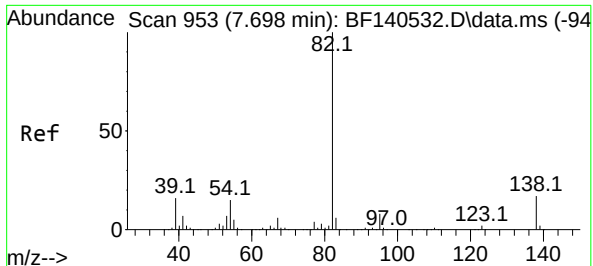
Ion Ratio Lower Upper

77 100

123 43.5 34.3 51.5

65 13.6 11.2 16.8





#25

Isophorone

Concen: 46.742 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion: 82 Resp: 51313

Ion Ratio Lower Upper

82 100

95 7.9 6.4 9.6

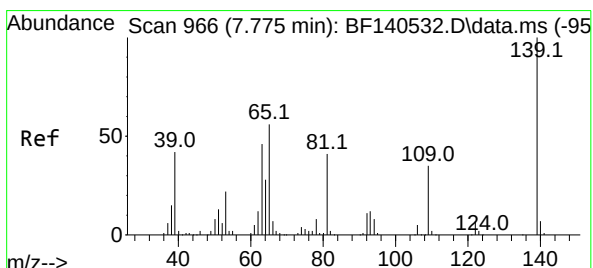
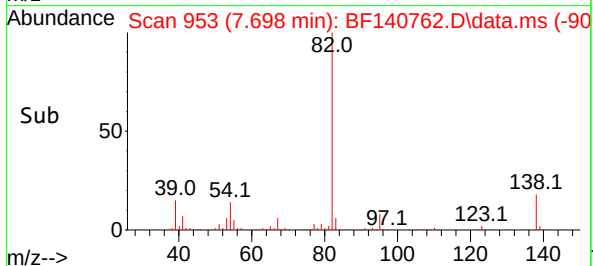
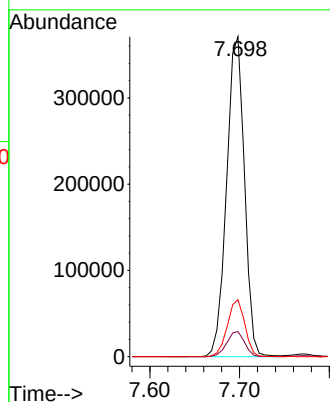
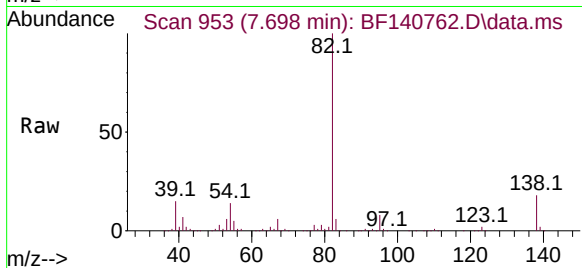
138 17.8 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#26

2-Nitrophenol

Concen: 47.260 ng

RT: 7.775 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

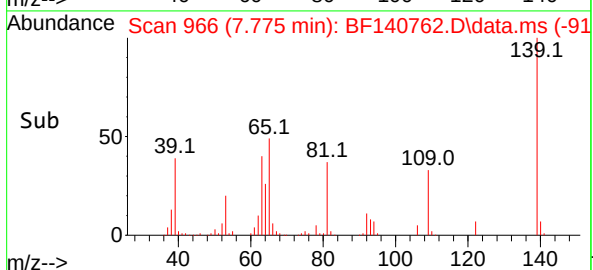
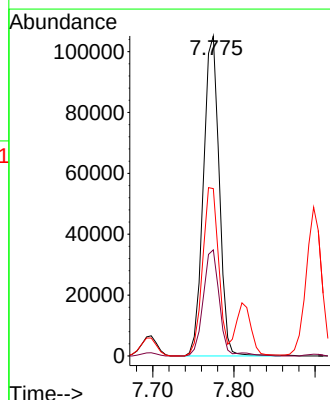
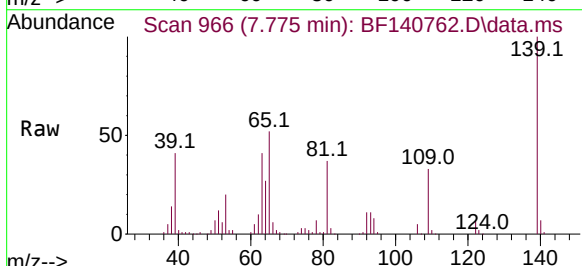
Tgt Ion:139 Resp: 142467

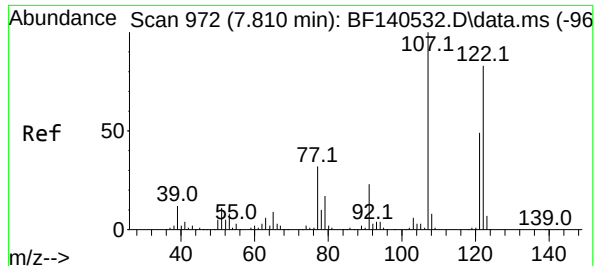
Ion Ratio Lower Upper

139 100

109 33.1 28.0 42.0

65 52.3 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 59.215 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:122 Resp: 213578

Ion Ratio Lower Upper

122 100

107 118.9 96.8 145.2

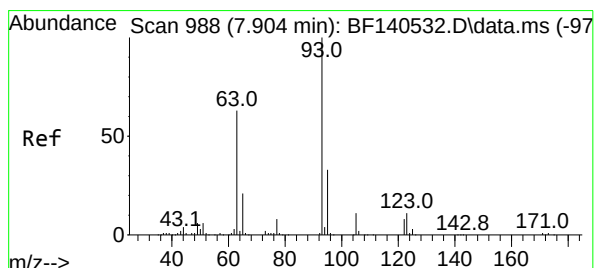
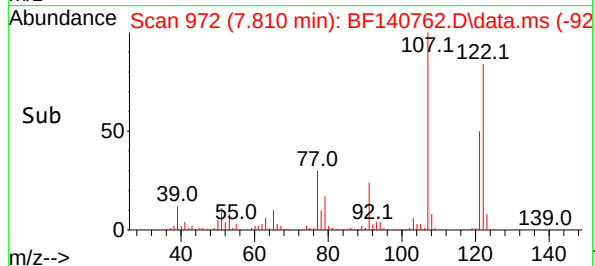
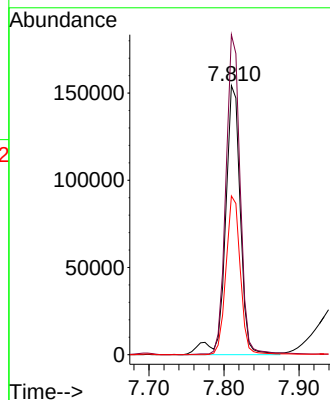
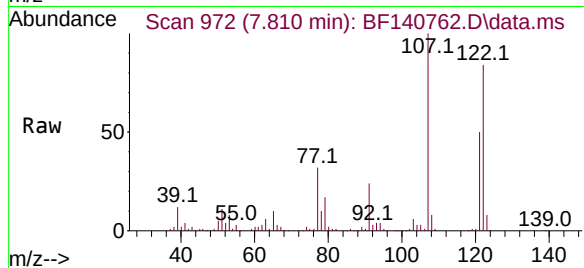
121 59.0 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#28

bis(2-Chloroethoxy)methane

Concen: 46.650 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

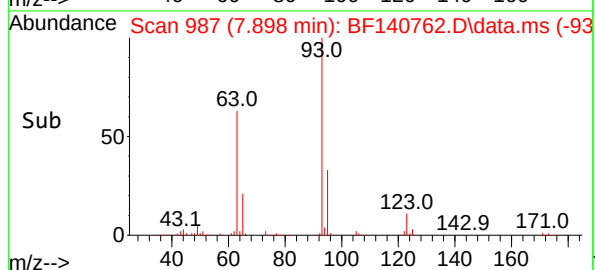
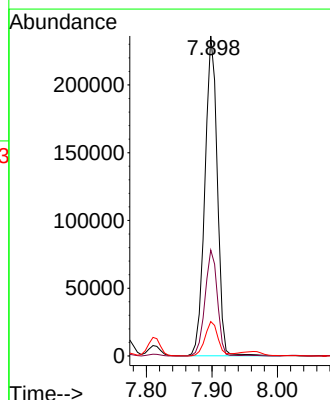
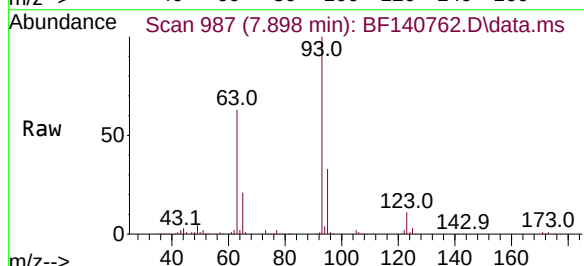
Tgt Ion: 93 Resp: 311986

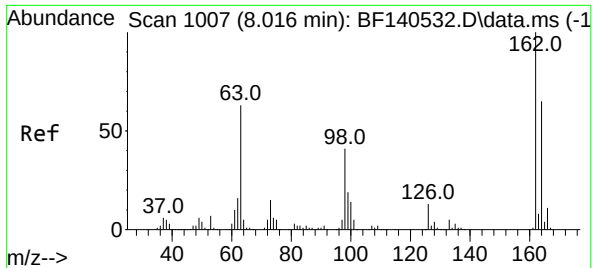
Ion Ratio Lower Upper

93 100

95 33.1 26.1 39.1

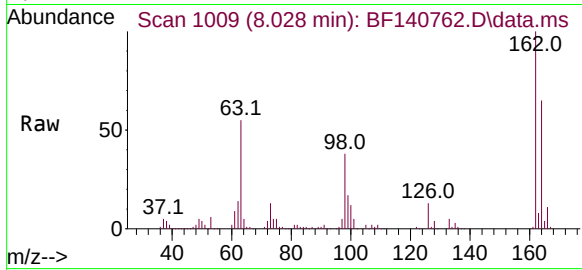
123 10.7 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 48.774 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.012 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

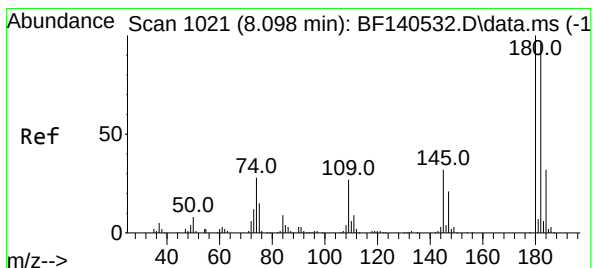
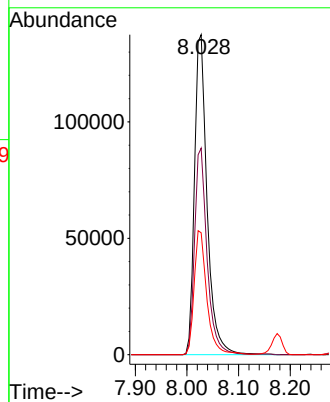
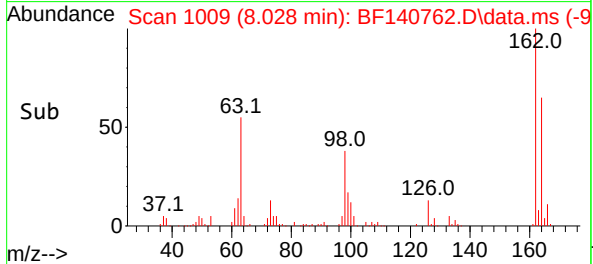
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:162 Resp: 233108
Ion Ratio Lower Upper
162 100
164 64.5 44.8 84.8
98 38.1 21.2 61.2

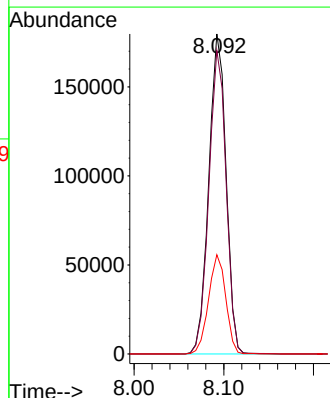
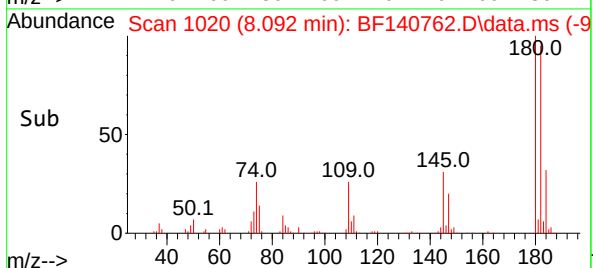
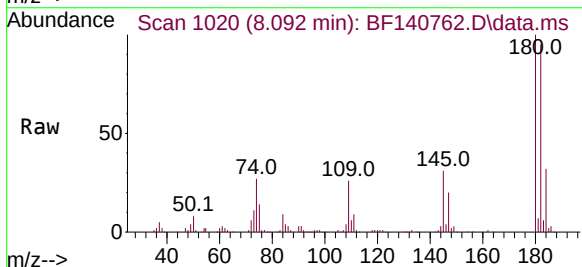
Manual Integrations
APPROVED

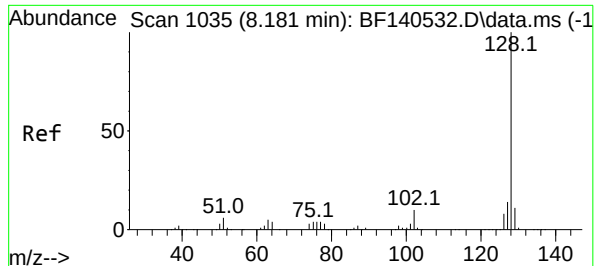
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#30
1,2,4-Trichlorobenzene
Concen: 44.092 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion:180 Resp: 240608
Ion Ratio Lower Upper
180 100
182 94.8 76.4 114.6
145 31.0 25.9 38.9





#31

Naphthalene

Concen: 45.258 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:128 Resp: 784819

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

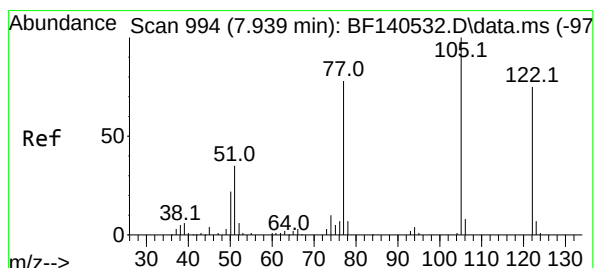
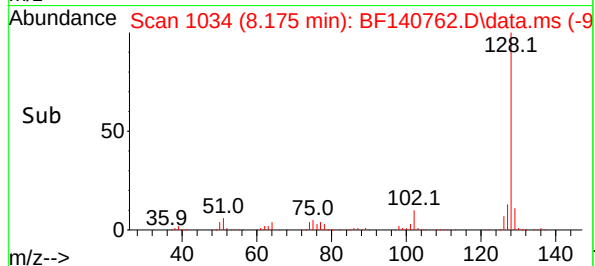
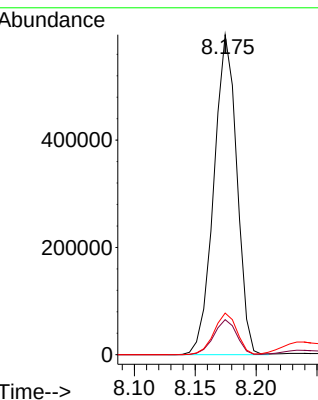
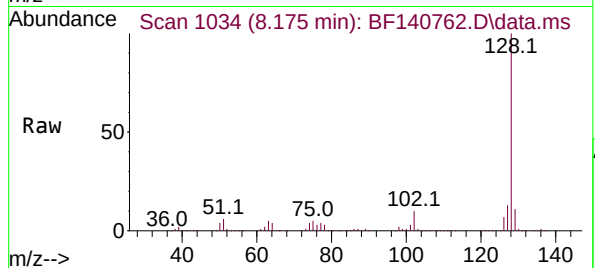
127 13.0 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#32

Benzoic acid

Concen: 39.752 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.024 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

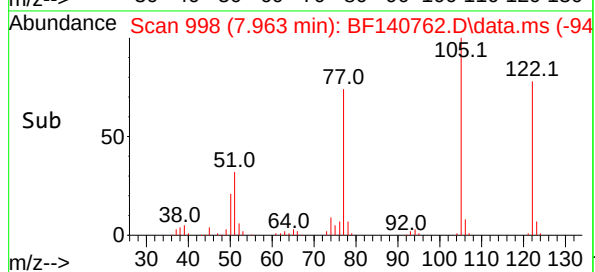
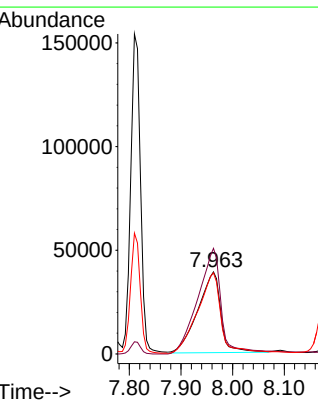
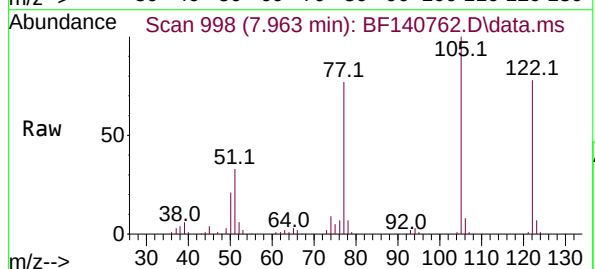
Tgt Ion:122 Resp: 120209

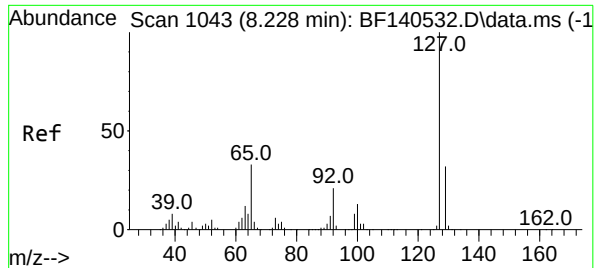
Ion Ratio Lower Upper

122 100

105 128.6 109.3 149.3

77 98.8 82.3 122.3





#33

4-Chloroaniline

Concen: 20.778 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:127 Resp: 107878

Ion Ratio Lower Upper

127 100

129 34.6 26.0 39.0

65 33.4 26.0 39.0

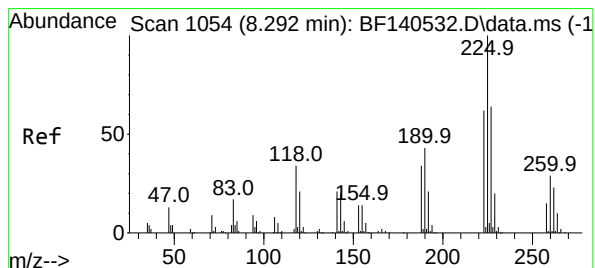
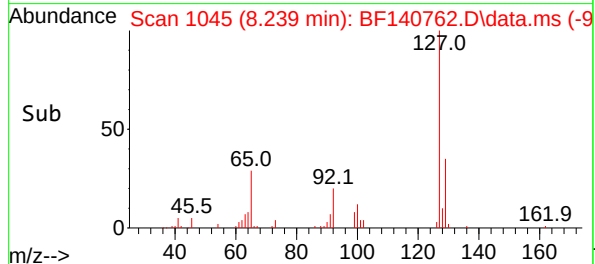
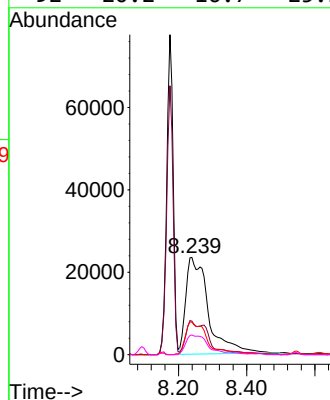
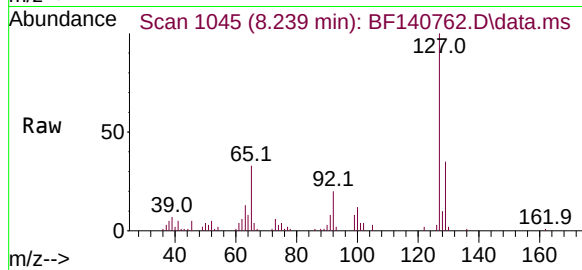
92 20.2 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#34

Hexachlorobutadiene

Concen: 44.267 ng

RT: 8.286 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

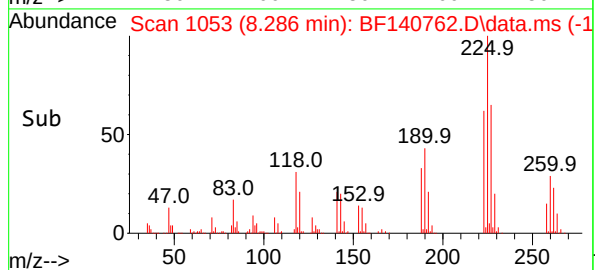
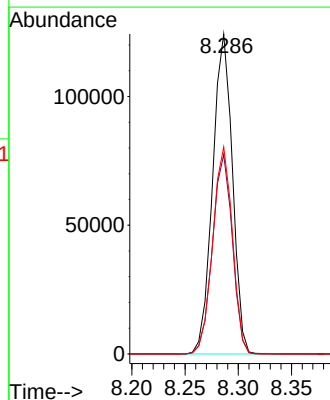
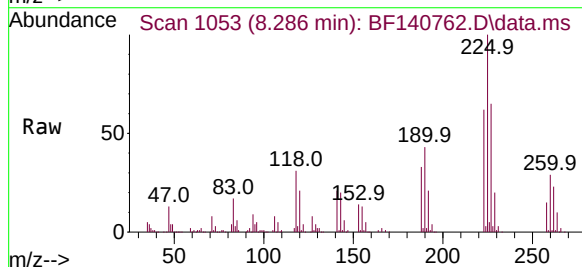
Tgt Ion:225 Resp: 160000

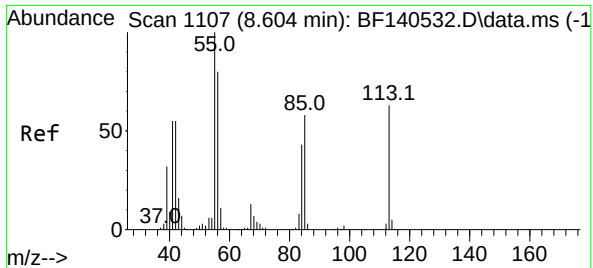
Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.8

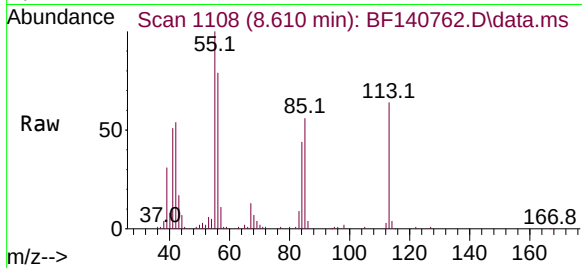
227 64.7 51.3 76.9





#35
Caprolactam
Concen: 47.703 ng m
RT: 8.610 min Scan# 1108
Delta R.T. 0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

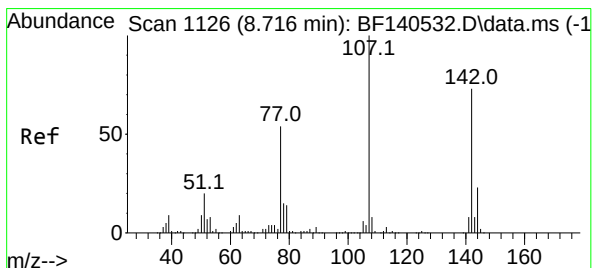
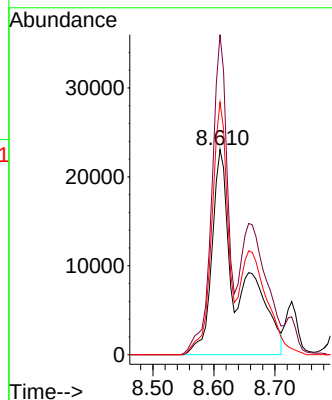
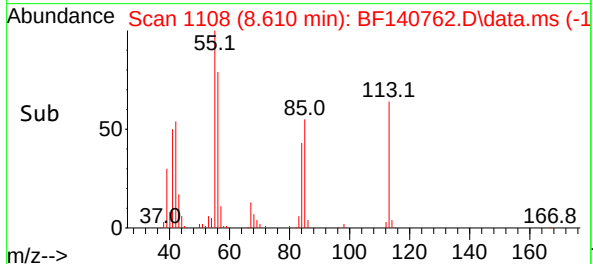
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:113 Resp: 7055
Ion Ratio Lower Upper
113 100
55 156.0 137.7 177.7
56 123.1 106.4 146.4

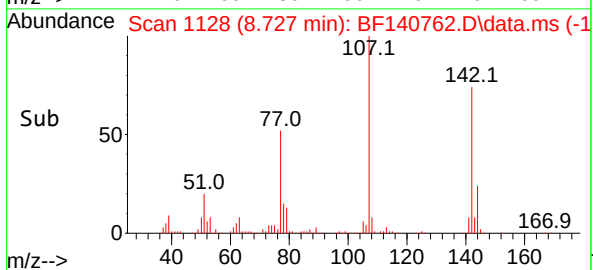
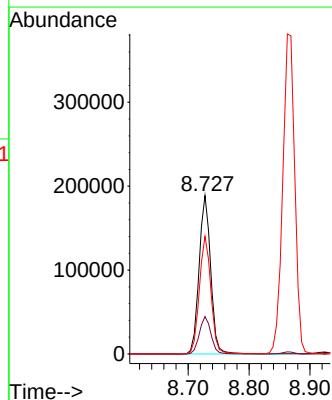
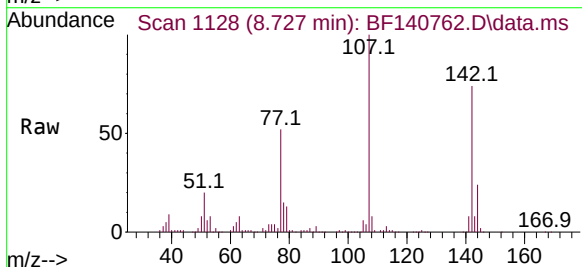
Manual Integrations
APPROVED

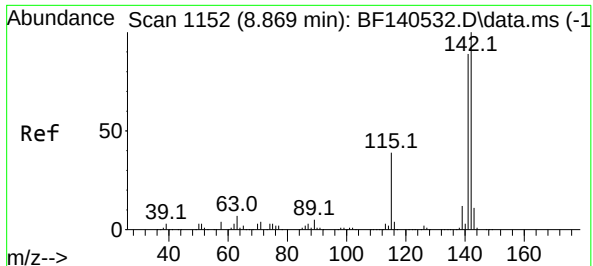
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#36
4-Chloro-3-methylphenol
Concen: 46.868 ng
RT: 8.727 min Scan# 1128
Delta R.T. 0.012 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion:107 Resp: 250795
Ion Ratio Lower Upper
107 100
144 23.6 18.7 28.1
142 74.2 58.3 87.5





#37

2-Methylnaphthalene

Concen: 47.546 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:142 Resp: 523680

Ion Ratio Lower Upper

142 100

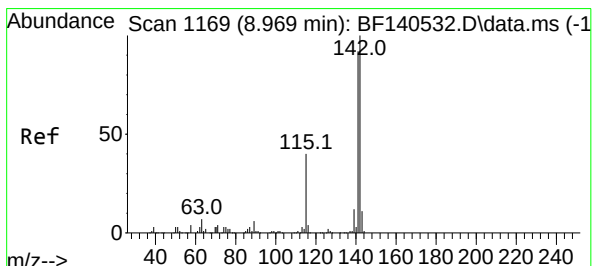
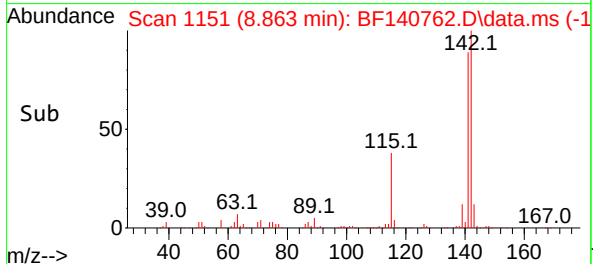
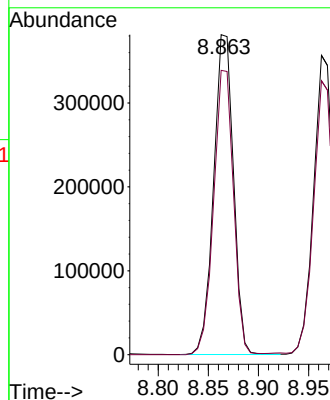
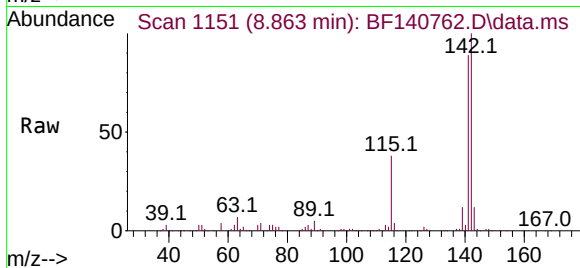
141 88.9 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#38

1-Methylnaphthalene

Concen: 44.661 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140762.D

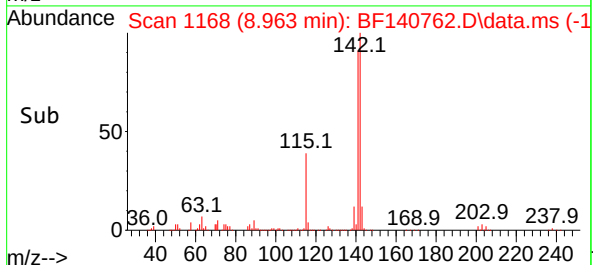
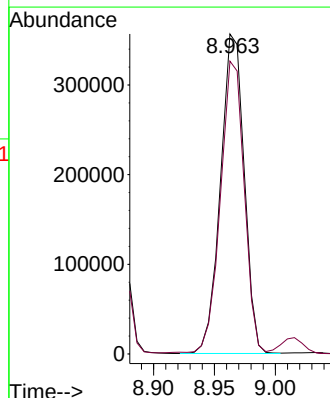
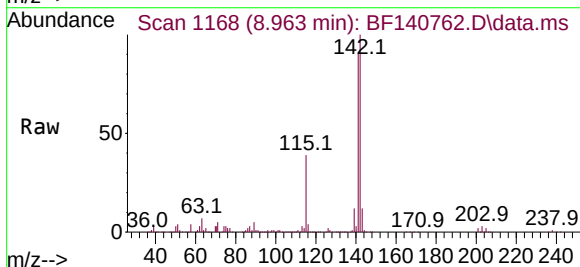
Acq: 06 Dec 2024 13:16

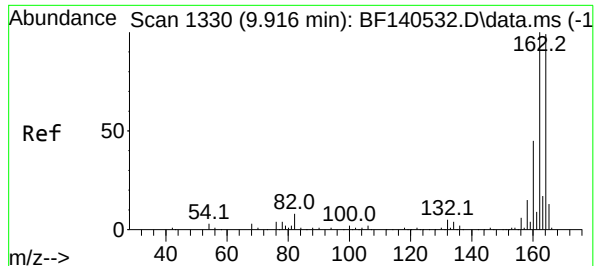
Tgt Ion:142 Resp: 482164

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140762.D

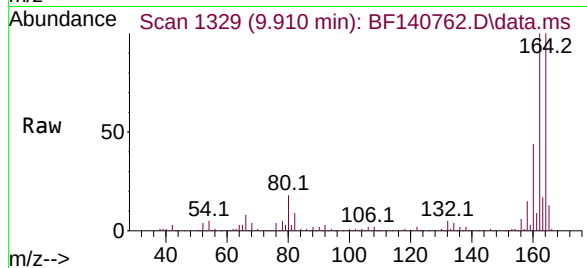
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS



Tgt Ion:164 Resp: 192900

Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

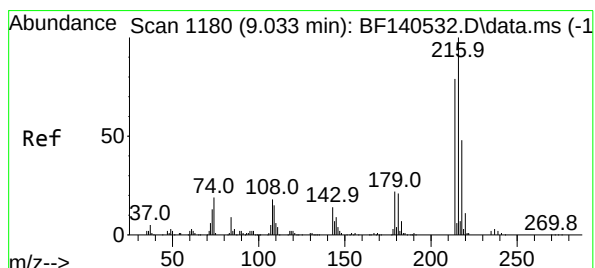
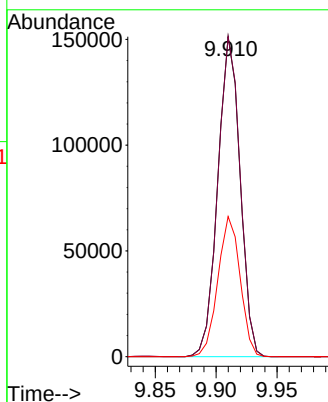
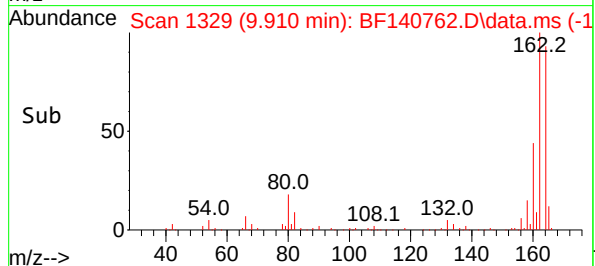
160 43.8 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#40

1,2,4,5-Tetrachlorobenzene

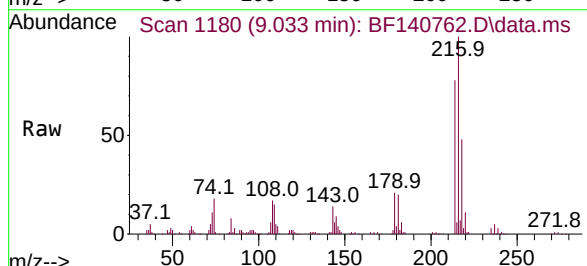
Concen: 45.853 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16



Tgt Ion:216 Resp: 258940

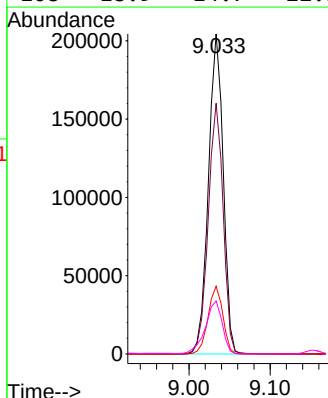
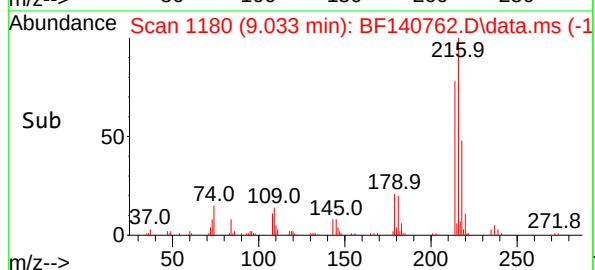
Ion Ratio Lower Upper

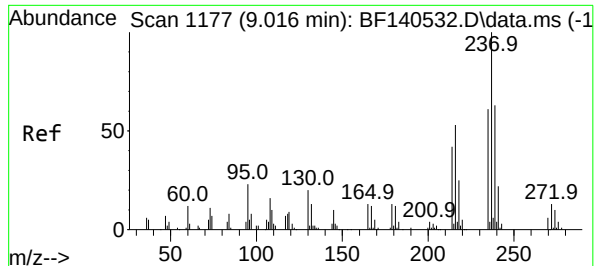
216 100

214 78.8 63.0 94.4

179 21.1 17.5 26.3

108 18.9 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 147.294 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:237 Resp: 19553

Ion Ratio Lower Upper

237 100

235 63.6 41.1 81.1

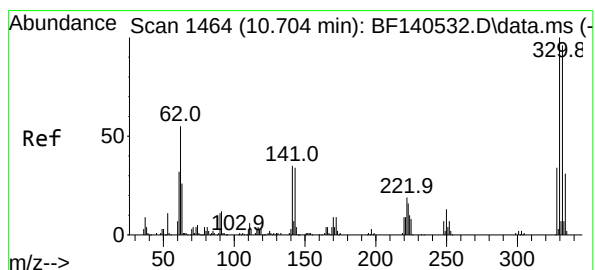
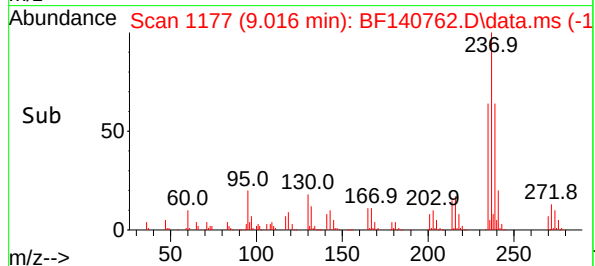
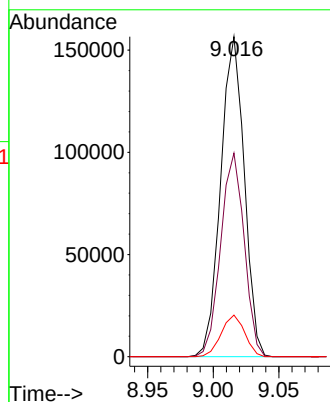
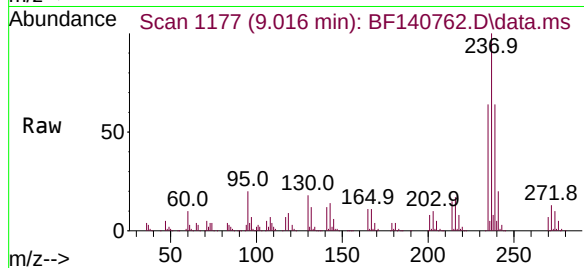
272 13.0 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#42

2,4,6-Tribromophenol

Concen: 147.705 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

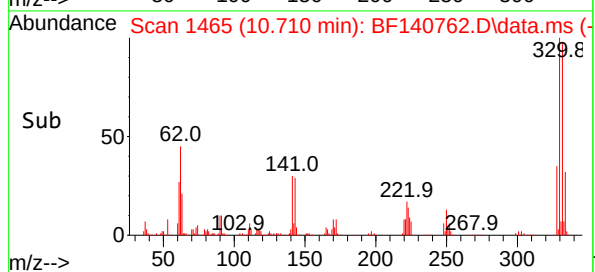
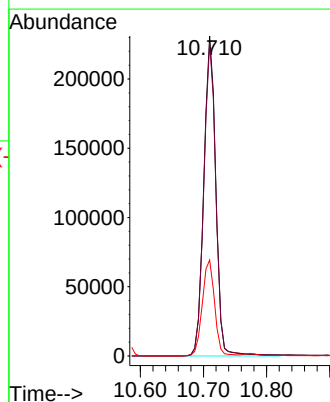
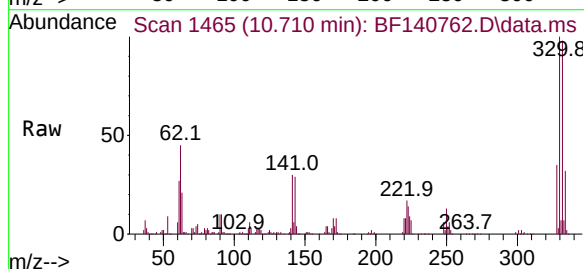
Tgt Ion:330 Resp: 304728

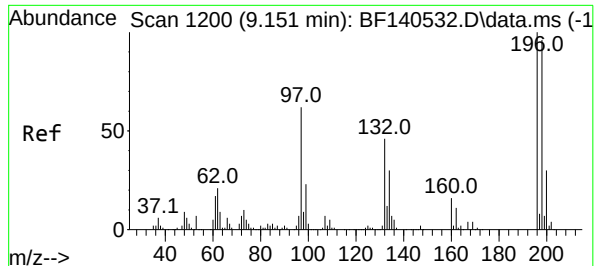
Ion Ratio Lower Upper

330 100

332 98.3 76.9 115.3

141 30.8 26.7 40.1





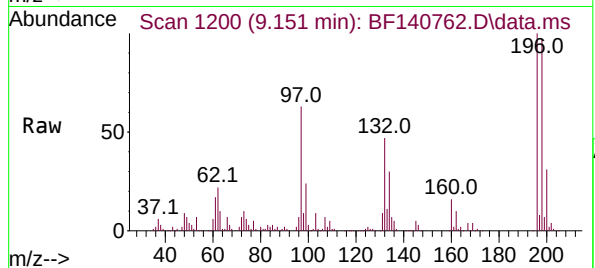
#43
2,4,6-Trichlorophenol
Concen: 45.940 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

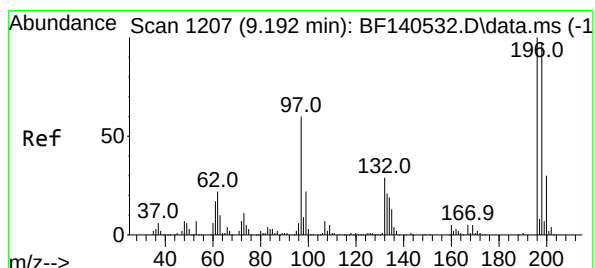
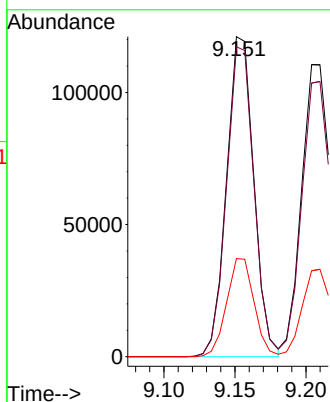
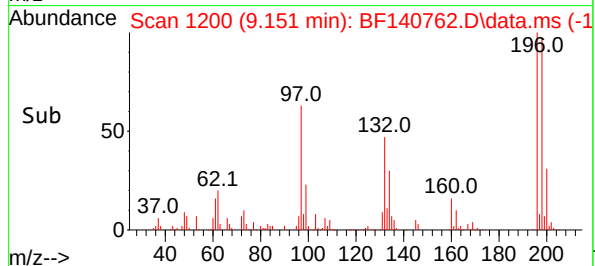


Tgt Ion:196 Resp: 16279
Ion Ratio Lower Upper
196 100
198 96.8 76.8 115.2
200 30.7 24.3 36.5

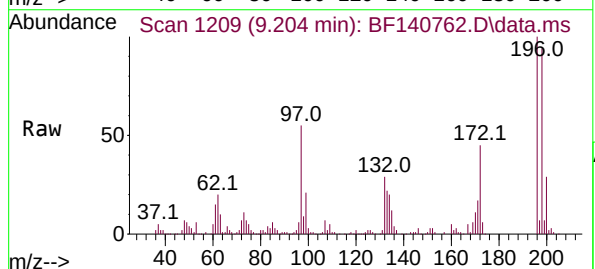
Manual Integrations

APPROVED

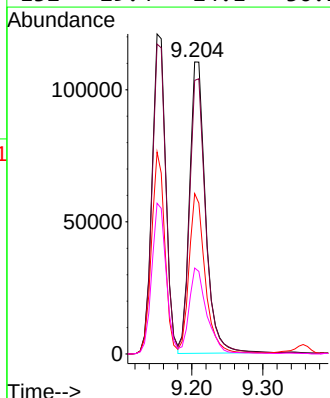
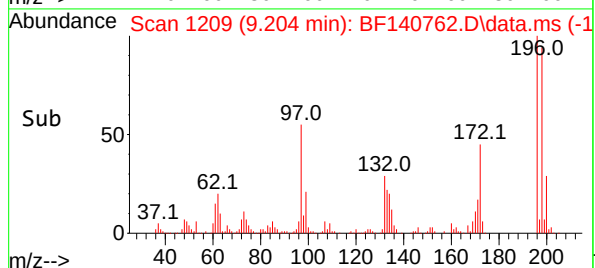
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

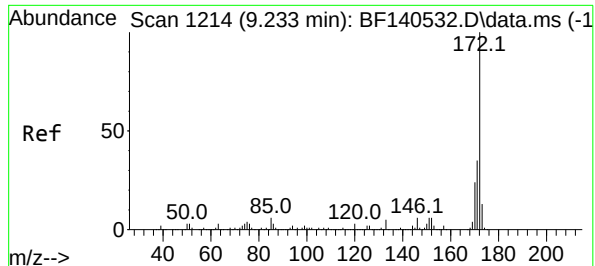


#44
2,4,5-Trichlorophenol
Concen: 45.074 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16



Tgt Ion:196 Resp: 173343
Ion Ratio Lower Upper
196 100
198 93.7 77.2 115.8
97 54.9 47.1 70.7
132 29.4 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 95.878 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:172 Resp: 124131

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

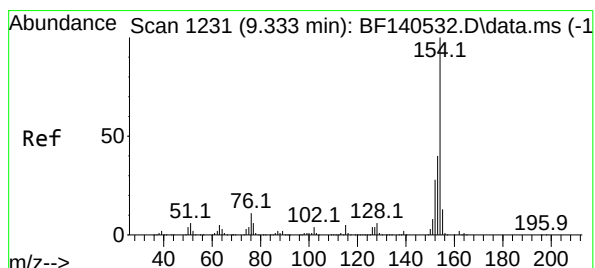
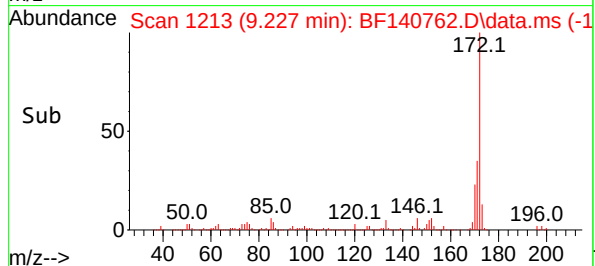
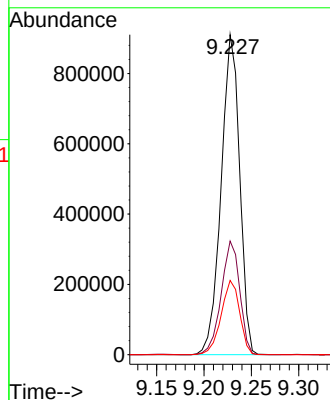
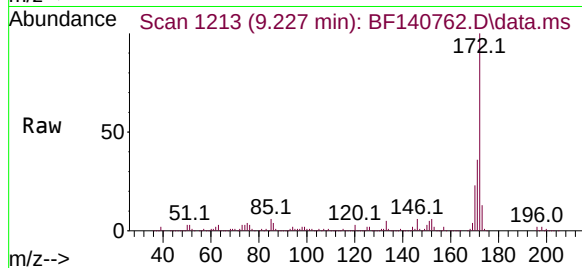
170 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#46

1,1'-Biphenyl

Concen: 46.131 ng

RT: 9.327 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

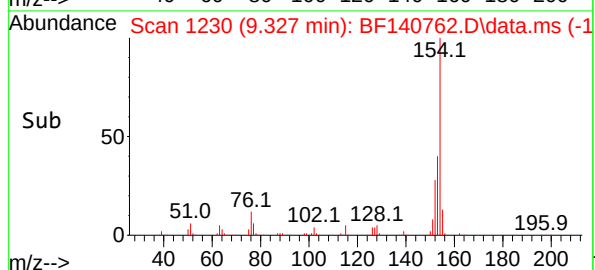
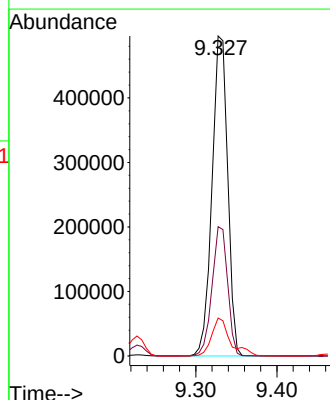
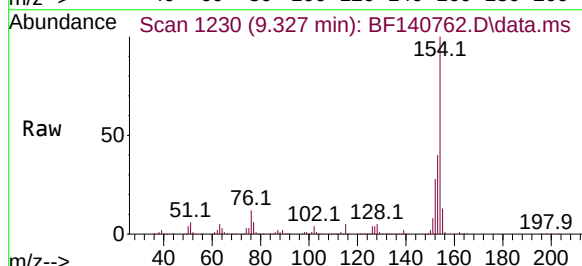
Tgt Ion:154 Resp: 664390

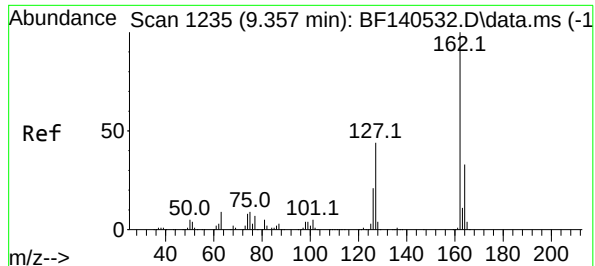
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.8 0.0 31.2





#47

2-Chloronaphthalene

Concen: 45.459 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:162 Resp: 49608

Ion Ratio Lower Upper

162 100

127 42.8 35.7 53.5

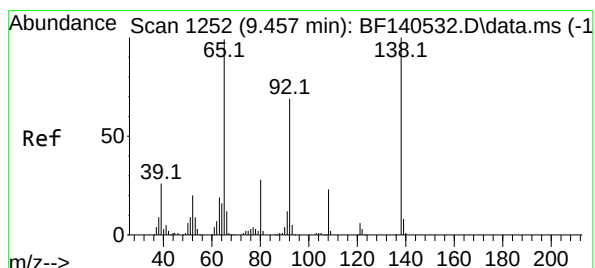
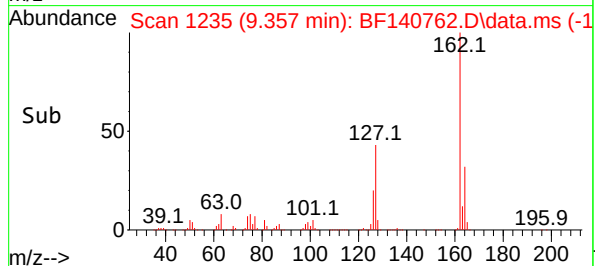
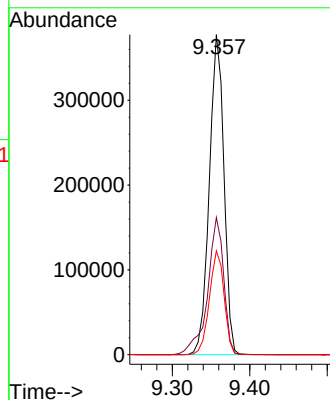
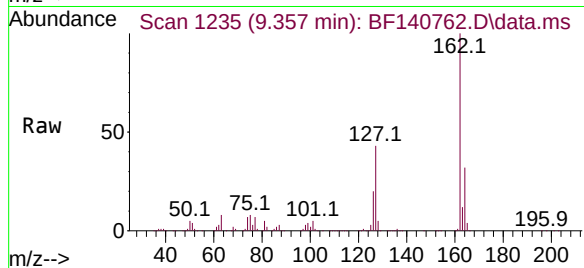
164 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#48

2-Nitroaniline

Concen: 44.708 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

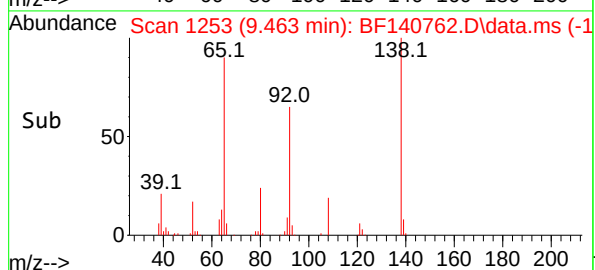
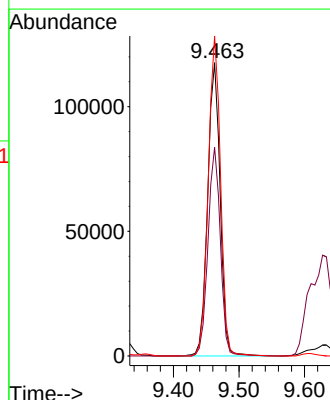
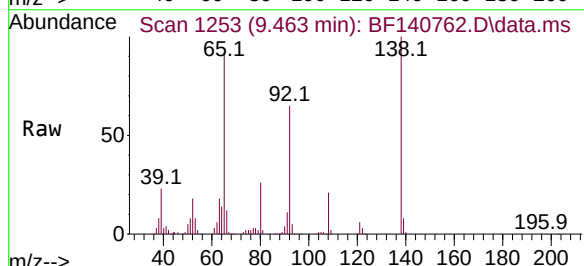
Tgt Ion: 65 Resp: 156602

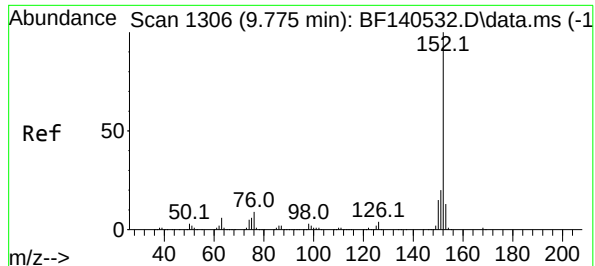
Ion Ratio Lower Upper

65 100

92 71.2 56.1 84.1

138 109.1 81.0 121.6





#49

Acenaphthylene

Concen: 48.292 ng

RT: 9.774 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:152 Resp: 796250

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

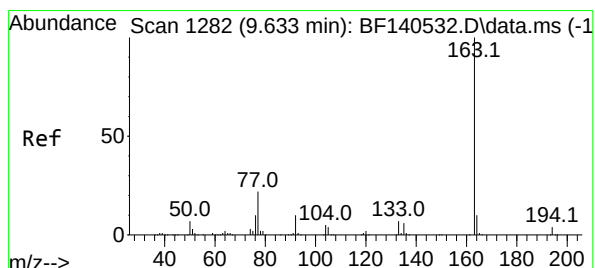
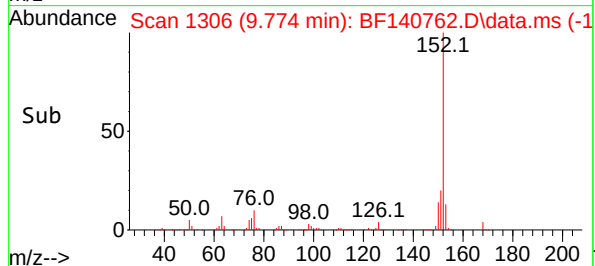
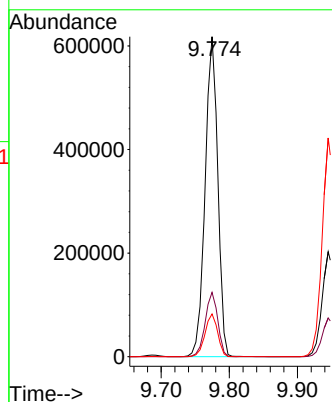
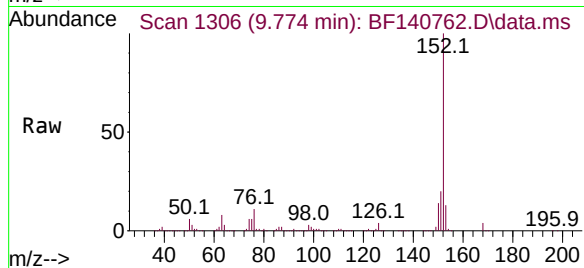
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#50

Dimethylphthalate

Concen: 48.230 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

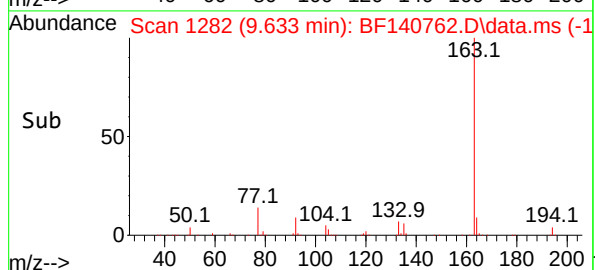
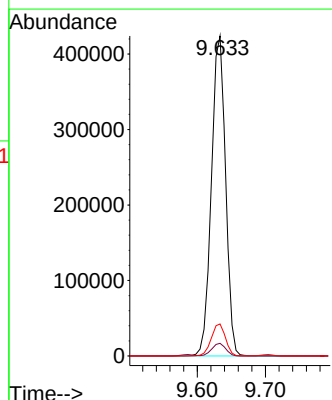
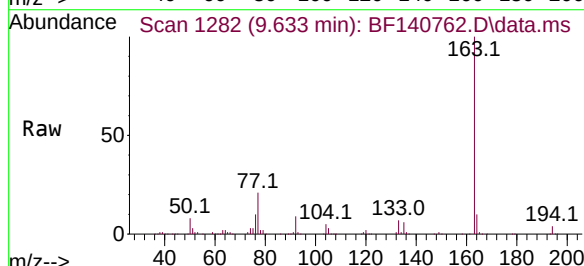
Tgt Ion:163 Resp: 612732

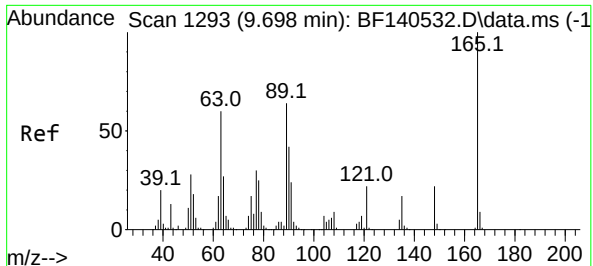
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.0 8.2 12.2





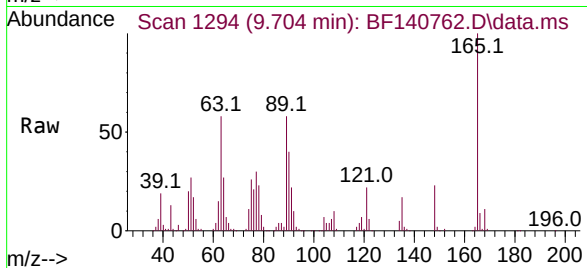
#51
2,6-Dinitrotoluene
Concen: 44.668 ng
RT: 9.704 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

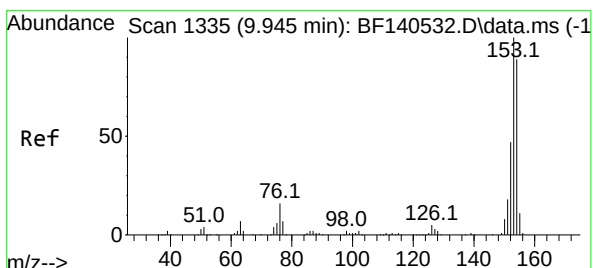
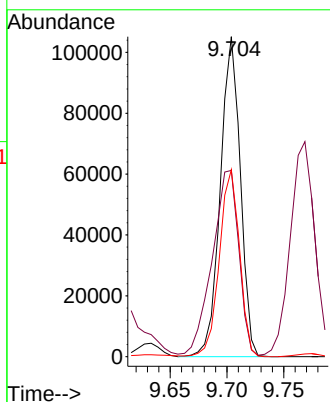
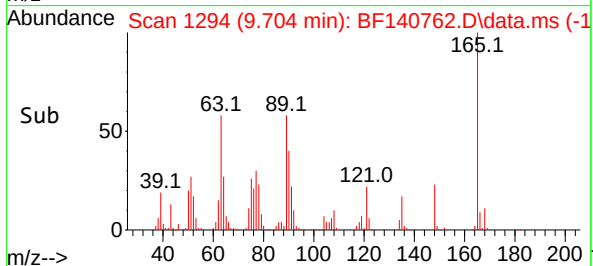


Tgt Ion:165 Resp: 12870
Ion Ratio Lower Upper
165 100
63 58.2 49.9 74.9
89 58.4 50.9 76.3

Manual Integrations

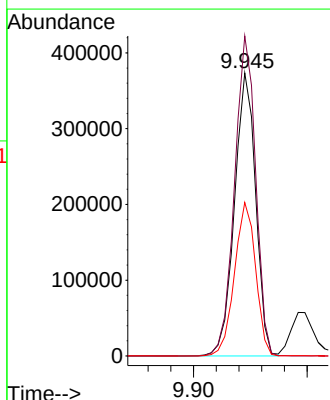
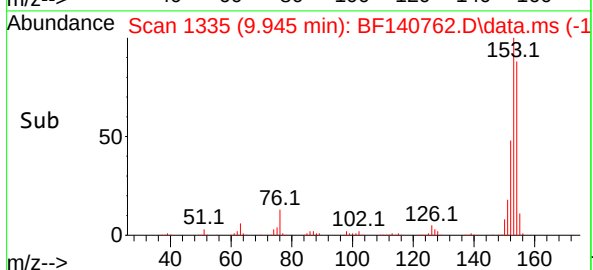
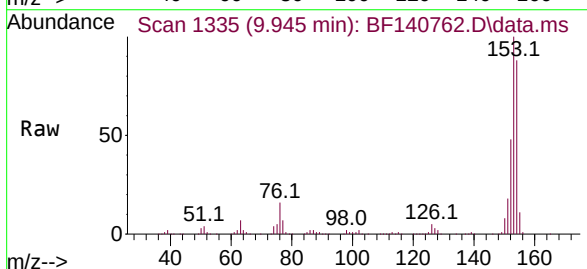
APPROVED

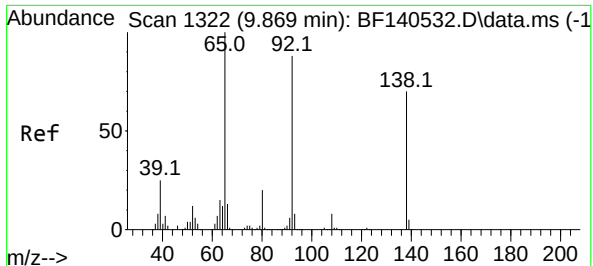
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#52
Acenaphthene
Concen: 46.235 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion:154 Resp: 484392
Ion Ratio Lower Upper
154 100
153 113.1 89.7 134.5
152 54.2 42.5 63.7





#53

3-Nitroaniline

Concen: 28.530 ng

RT: 9.874 min Scan# 1322

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:138 Resp: 8039

Ion Ratio Lower Upper

138 100

108 11.6 9.2 13.8

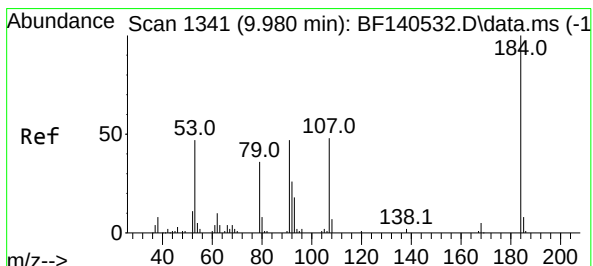
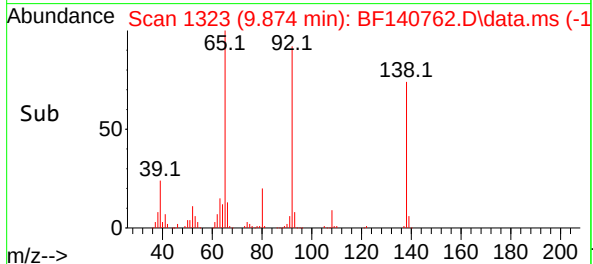
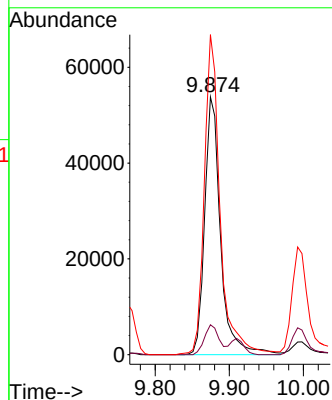
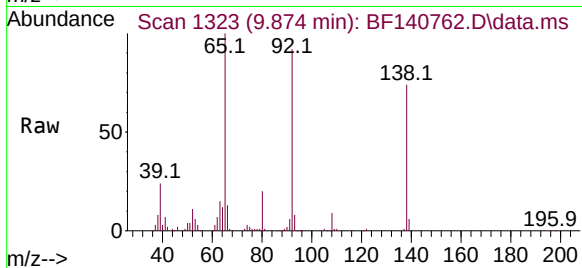
92 124.1 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#54

2,4-Dinitrophenol

Concen: 89.053 ng

RT: 9.998 min Scan# 1344

Delta R.T. 0.018 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

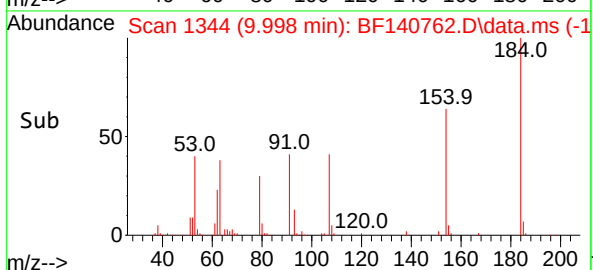
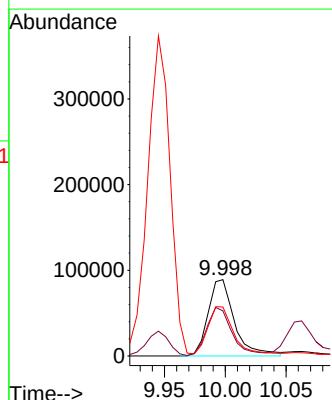
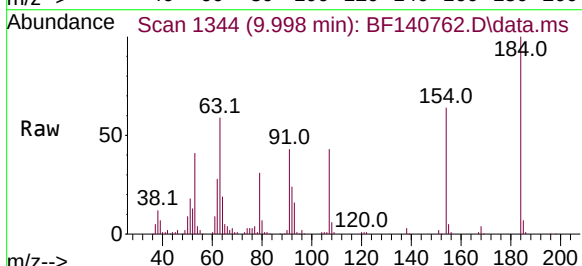
Tgt Ion:184 Resp: 134351

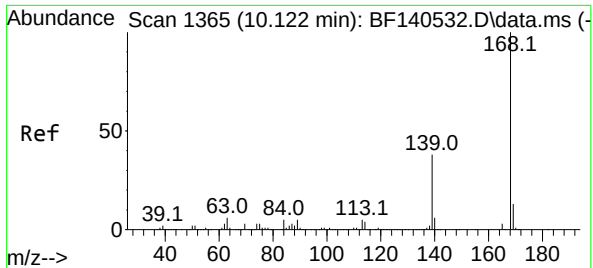
Ion Ratio Lower Upper

184 100

63 59.3 54.1 81.1

154 64.3 57.4 86.0





#55

Dibenzenofuran

Concen: 45.945 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:168 Resp: 734204

Ion Ratio Lower Upper

168 100

139 38.7 31.3 46.9

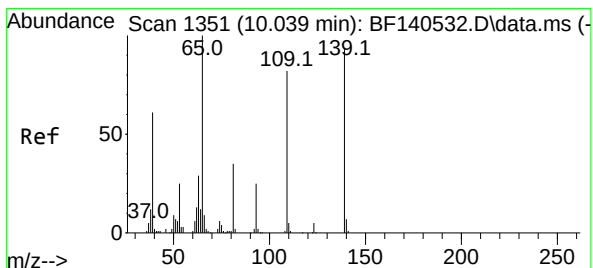
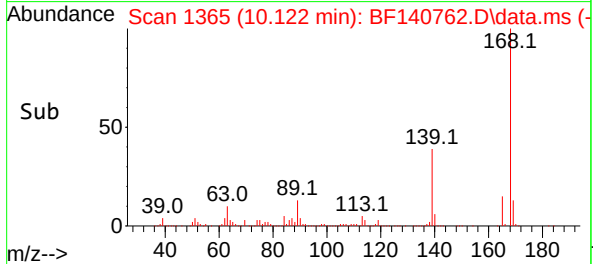
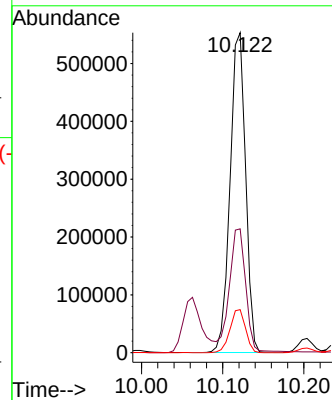
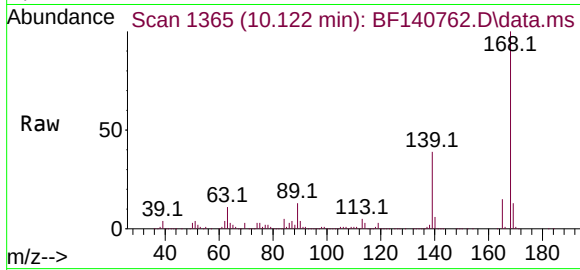
169 13.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#56

4-Nitrophenol

Concen: 80.341 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.024 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

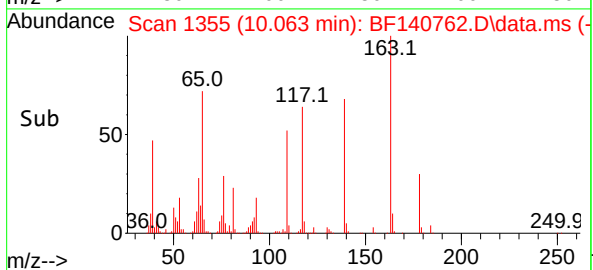
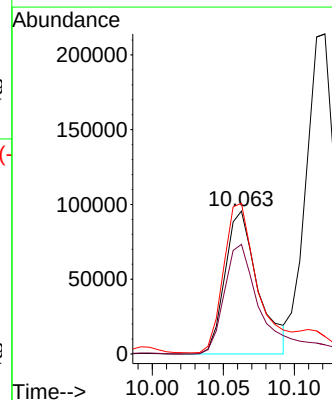
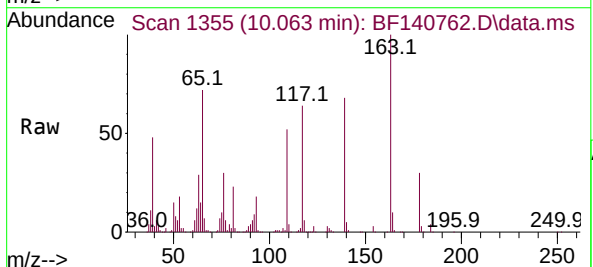
Tgt Ion:139 Resp: 154405

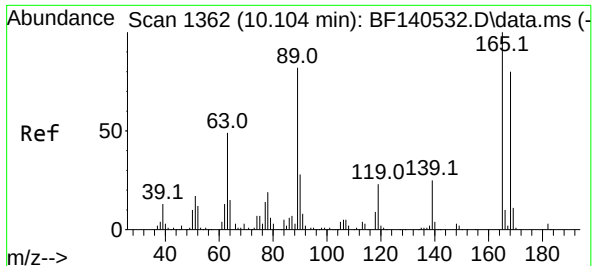
Ion Ratio Lower Upper

139 100

109 76.7 68.4 108.4

65 105.4 88.6 128.6





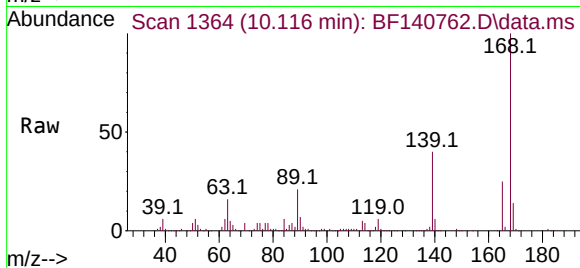
#57
2,4-Dinitrotoluene
Concen: 46.278 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

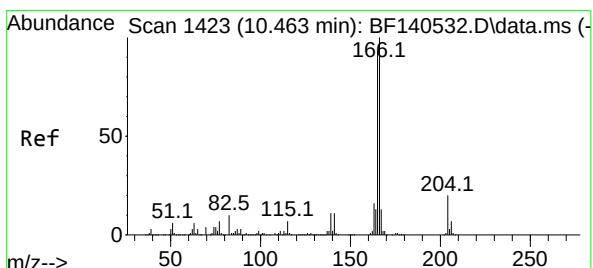
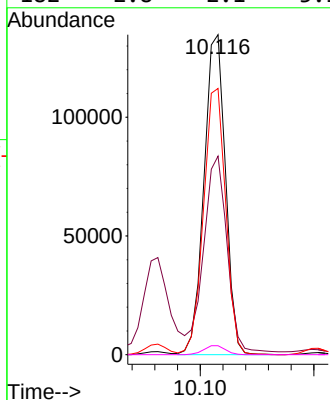
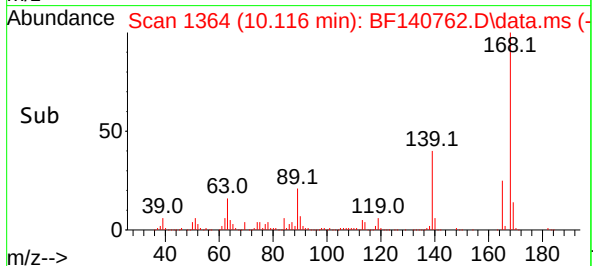


Tgt Ion:165 Resp: 177214
Ion Ratio Lower Upper
165 100
63 62.0 41.7 62.5
89 83.2 65.8 98.8
182 2.8 2.1 3.1

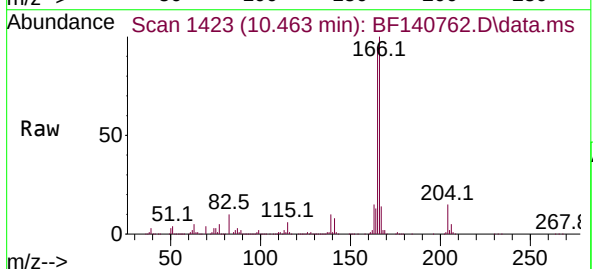
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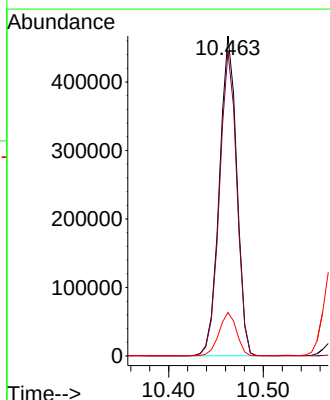
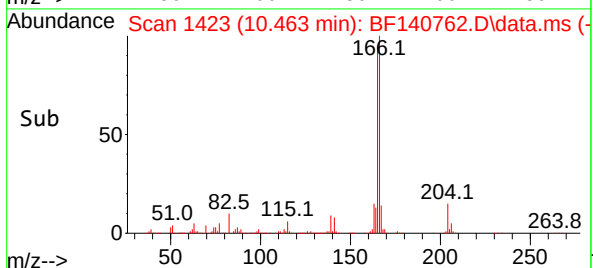
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

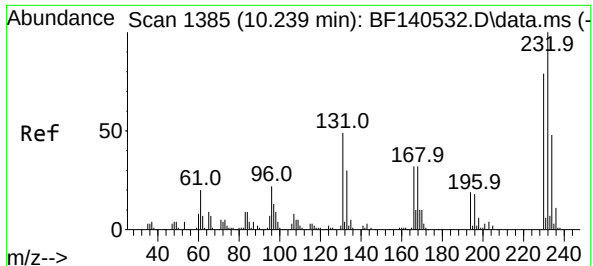


#58
Fluorene
Concen: 46.477 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16



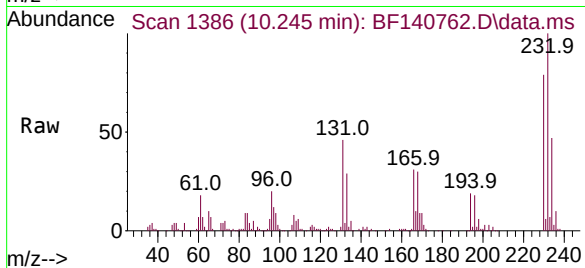
Tgt Ion:166 Resp: 596159
Ion Ratio Lower Upper
166 100
165 95.0 74.6 111.8
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.890 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

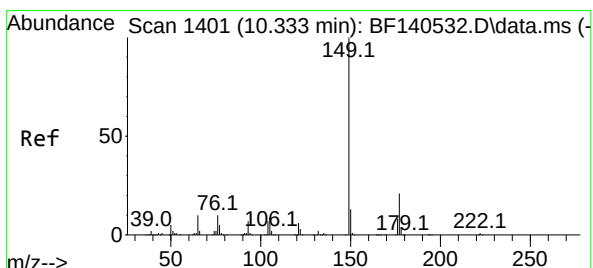
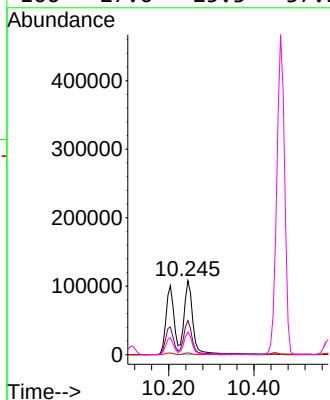
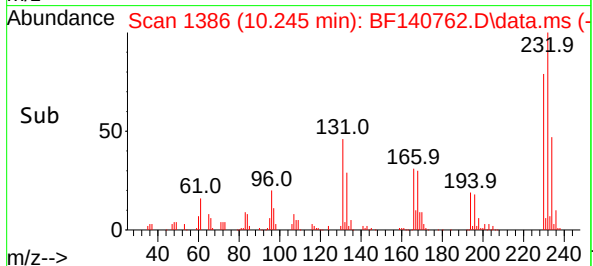
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:232 Resp: 15632
Ion Ratio Lower Upper
232 100
131 42.0 39.6 59.4
130 1.8 1.9 2.9
166 27.6 25.3 37.9

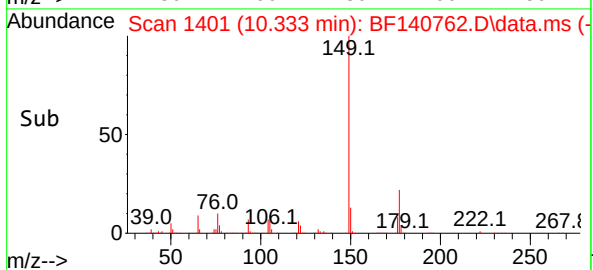
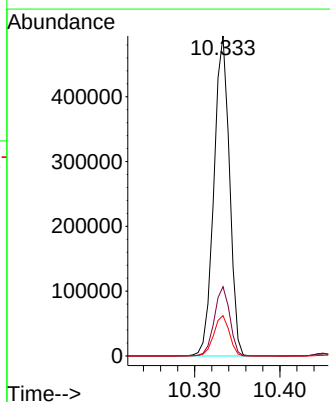
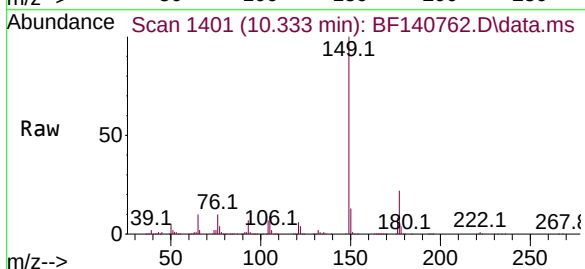
Manual Integrations
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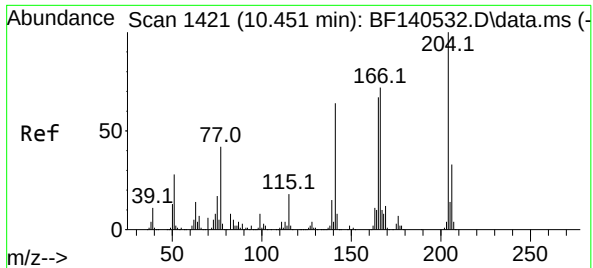
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#60
Diethylphthalate
Concen: 48.528 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

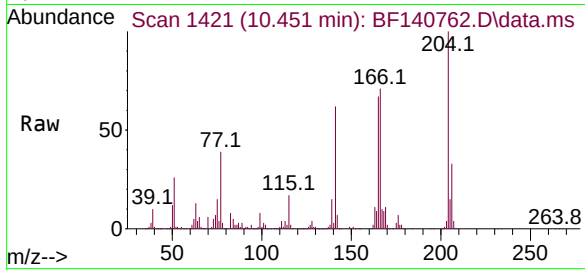
Tgt Ion:149 Resp: 626390
Ion Ratio Lower Upper
149 100
177 21.7 17.1 25.7
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 47.356 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

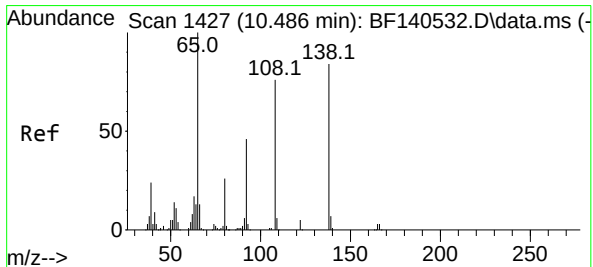
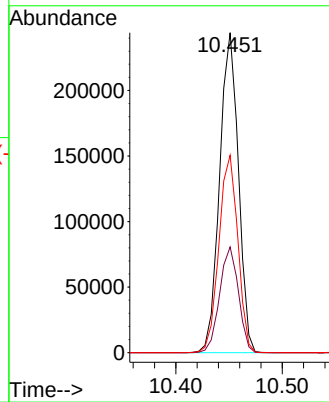
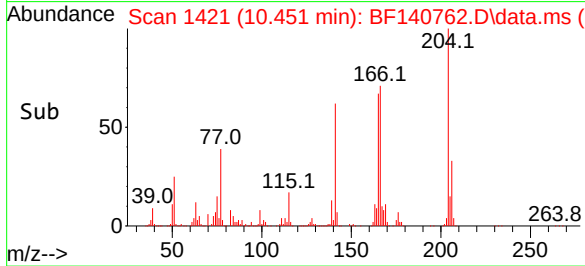
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:204 Resp: 298099
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 61.7 51.1 76.7

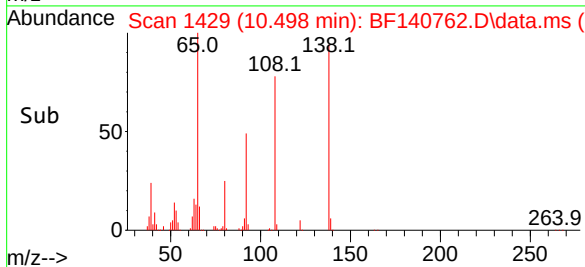
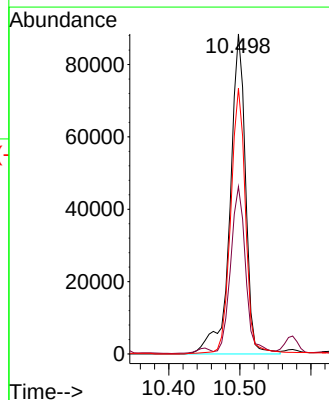
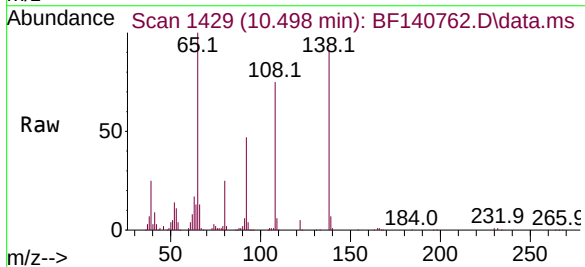
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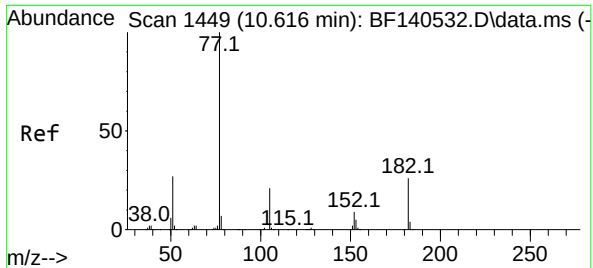
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#62
4-Nitroaniline
Concen: 45.588 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

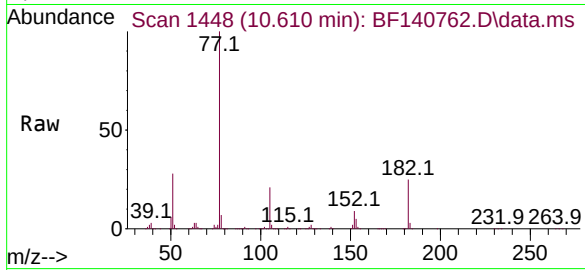
Tgt Ion:138 Resp: 134738
Ion Ratio Lower Upper
138 100
92 52.3 34.5 74.5
108 83.0 70.6 110.6





#63
Azobenzene
Concen: 47.734 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

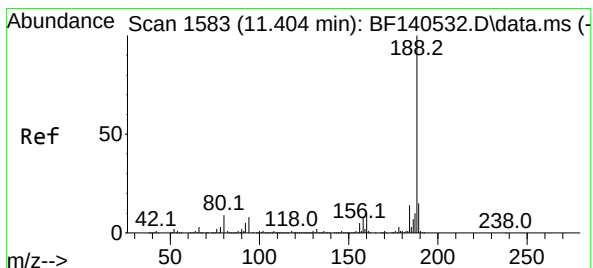
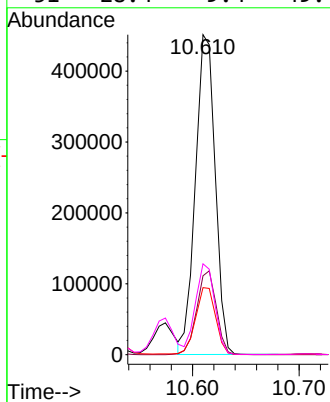
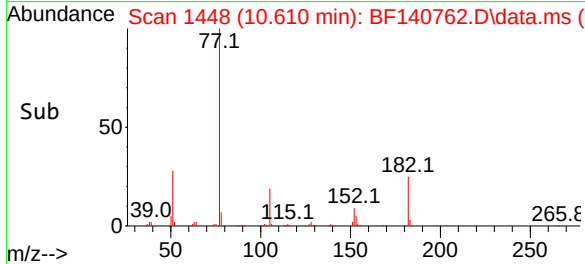
Instrument :
BNA_F
ClientSampleId :
PB165423BS



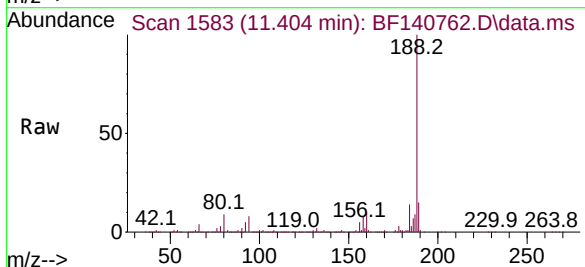
Tgt Ion: 77 Resp: 583470
Ion Ratio Lower Upper
77 100
182 24.7 5.3 45.3
105 20.9 0.3 40.3
51 28.4 9.4 49.4

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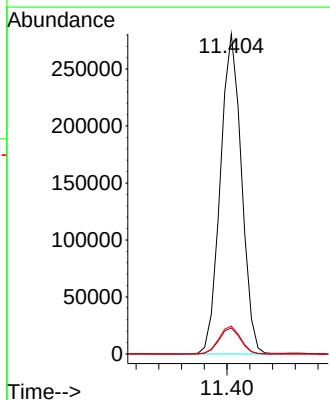
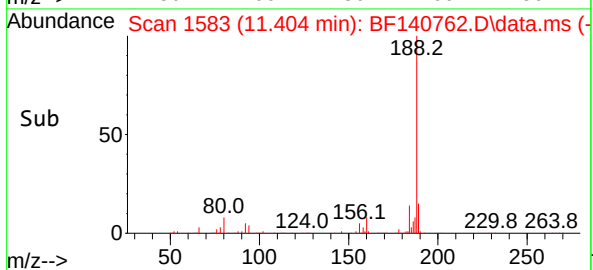
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

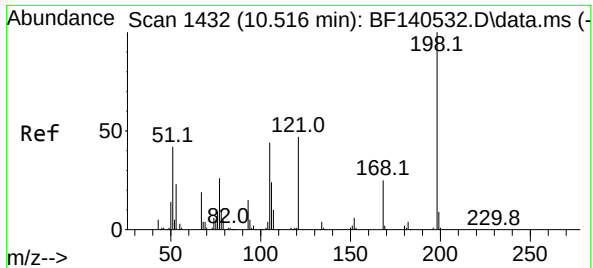


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16



Tgt Ion:188 Resp: 363576
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.7 6.9 10.3





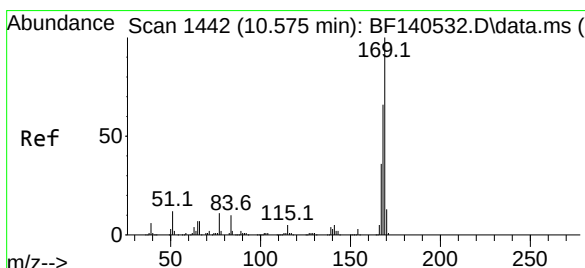
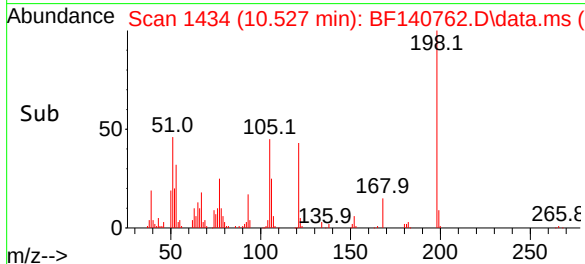
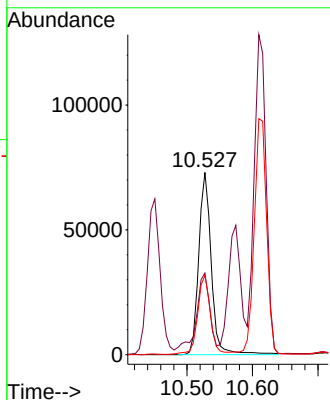
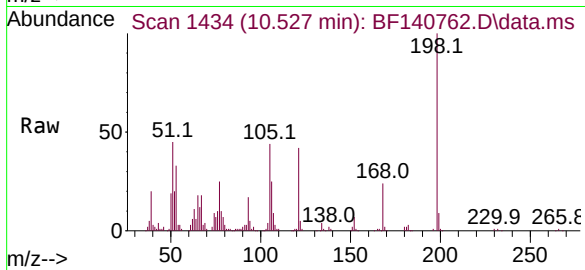
#65
4,6-Dinitro-2-methylphenol
Concen: 52.563 ng
RT: 10.527 min Scan# 1432
Delta R.T. 0.011 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :
BNA_F
ClientSampleId :
PB165423BS

Tgt Ion:198 Resp: 97650
Ion Ratio Lower Upper
198 100
51 44.8 29.4 69.4
105 43.5 25.4 65.4

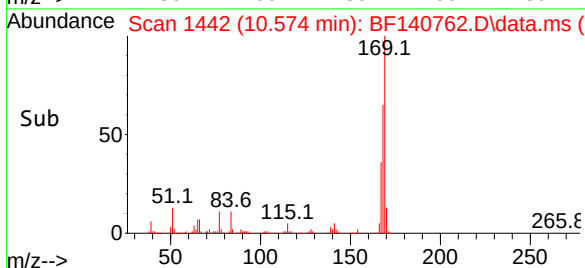
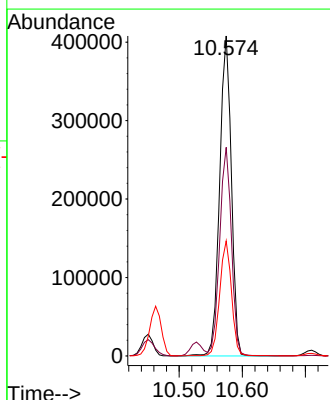
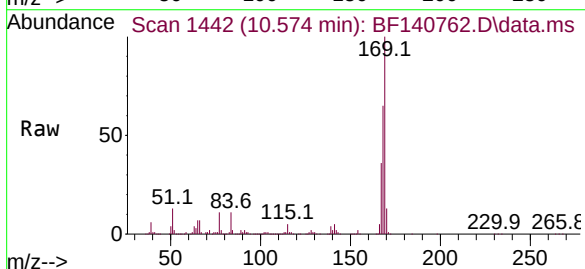
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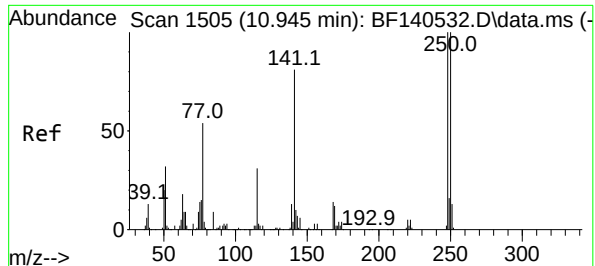
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#66
n-Nitrosodiphenylamine
Concen: 48.729 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion:169 Resp: 523926
Ion Ratio Lower Upper
169 100
168 65.2 53.2 79.8
167 35.9 29.0 43.6





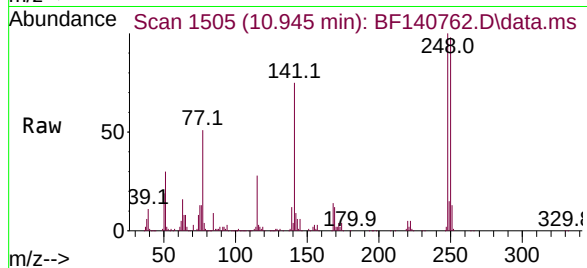
#67
4-Bromophenyl-phenylether
Concen: 48.464 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

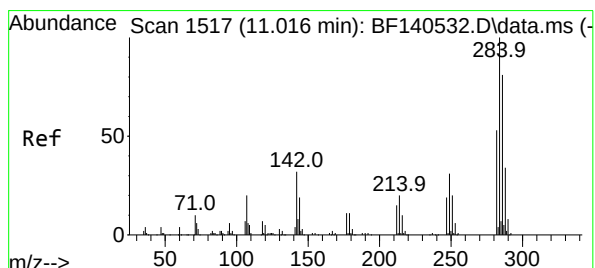
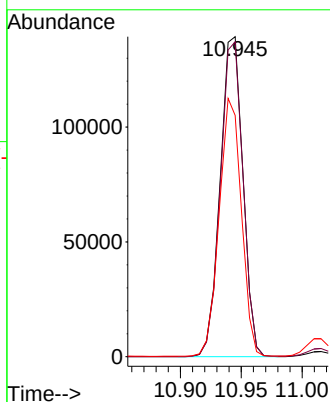
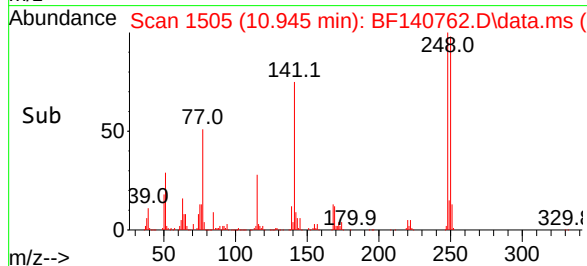
PB165423BS



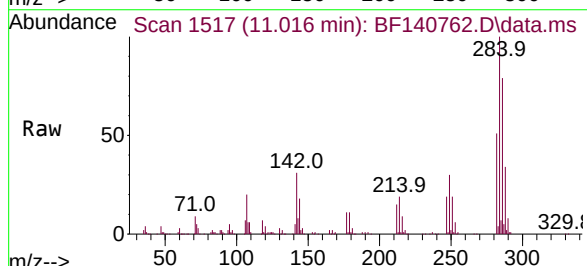
Tgt Ion:248 Resp: 18146
Ion Ratio Lower Upper
248 100
250 98.4 79.8 119.8
141 75.4 64.7 97.1

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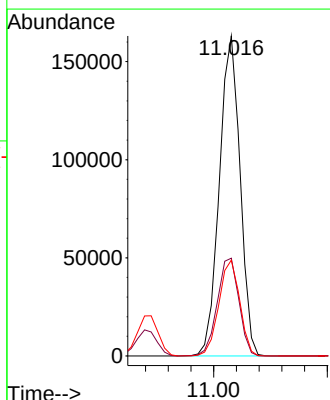
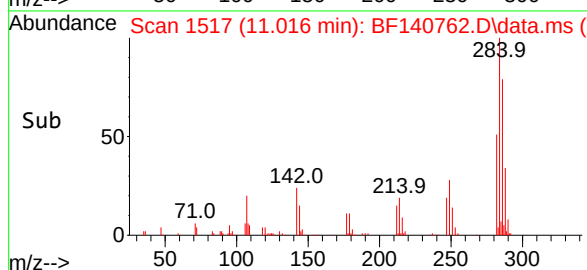
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

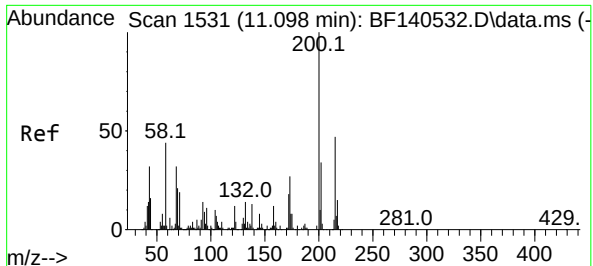


#68
Hexachlorobenzene
Concen: 47.650 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16



Tgt Ion:284 Resp: 206588
Ion Ratio Lower Upper
284 100
142 30.5 25.3 37.9
249 30.0 24.8 37.2





#69

Atrazine

Concen: 55.601 ng

RT: 11.104 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:200 Resp: 16817

Ion Ratio Lower Upper

200 100

173 26.4 7.0 47.0

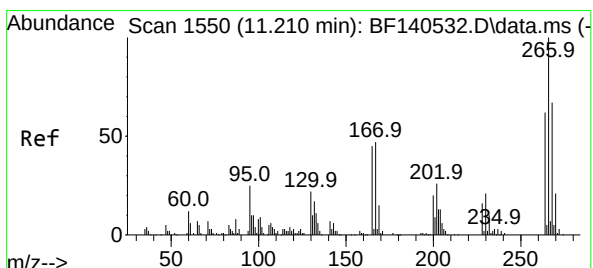
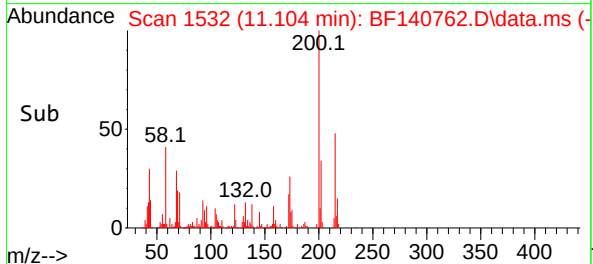
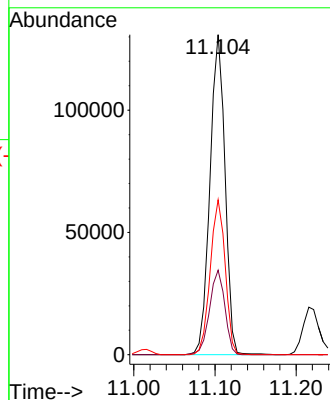
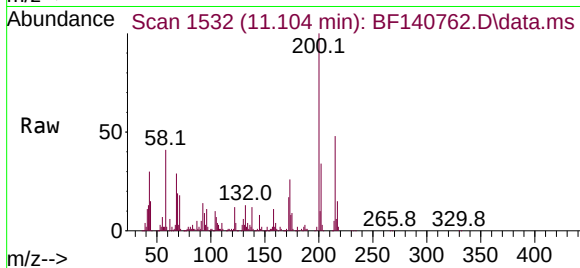
215 48.4 26.7 66.7

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#70

Pentachlorophenol

Concen: 89.866 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

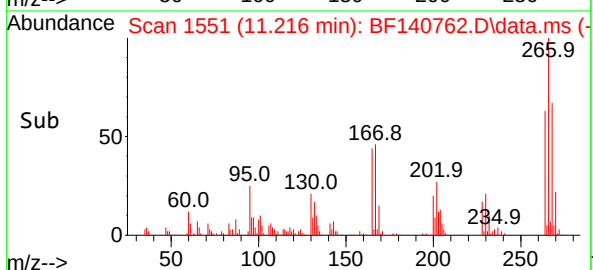
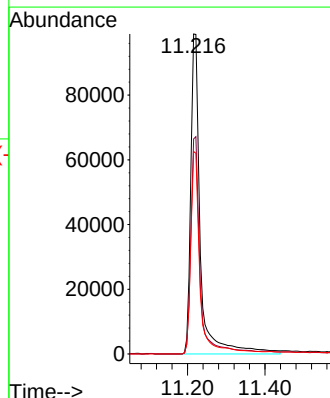
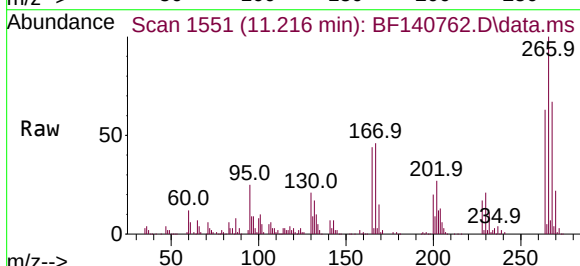
Tgt Ion:266 Resp: 171479

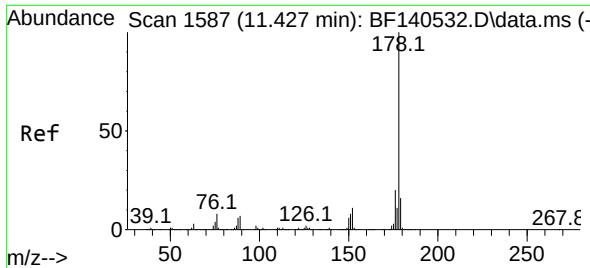
Ion Ratio Lower Upper

266 100

268 67.2 53.7 80.5

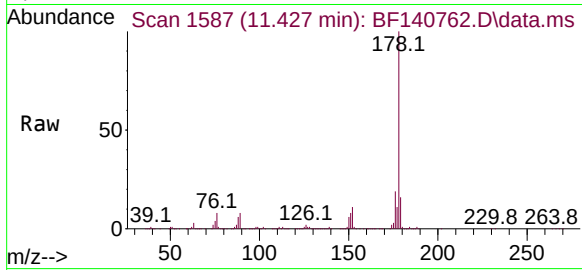
264 63.2 49.8 74.8





#71
Phenanthrene
Concen: 48.606 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

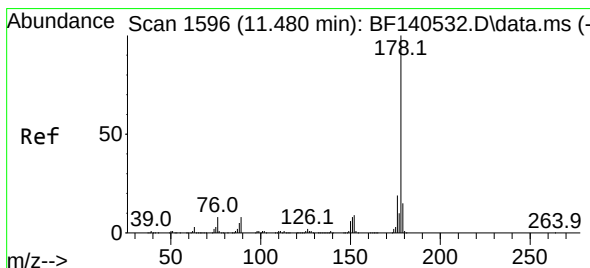
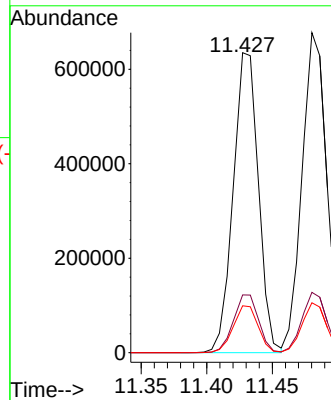
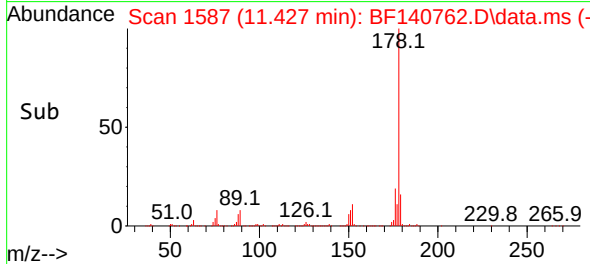
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:178 Resp: 849472
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.4 18.6

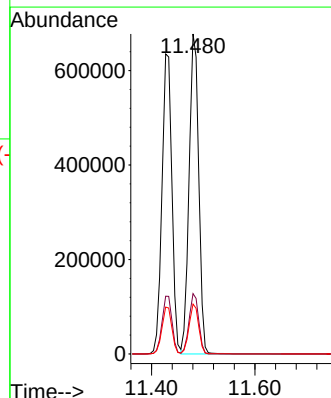
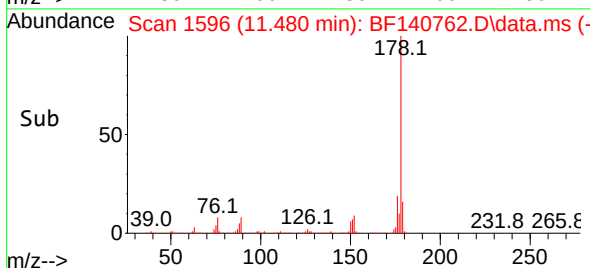
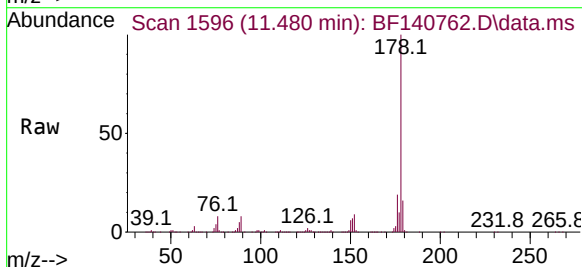
Manual Integrations
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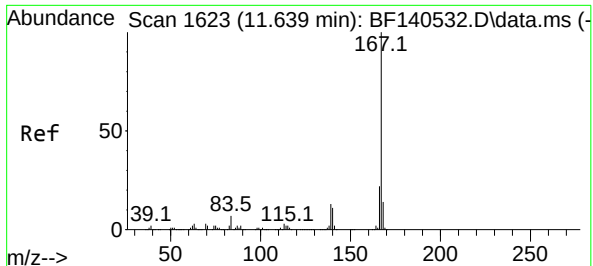
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#72
Anthracene
Concen: 51.322 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

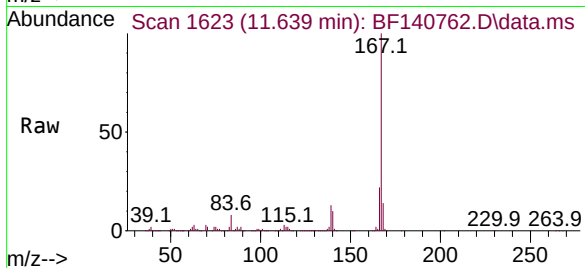
Tgt Ion:178 Resp: 877387
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.6 12.2 18.4





#73
 Carbazole
 Concen: 48.163 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. -0.000 min
 Lab File: BF140762.D
 Acq: 06 Dec 2024 13:16

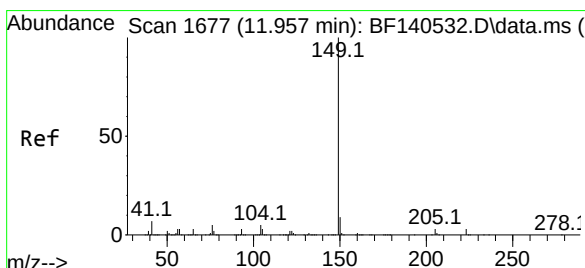
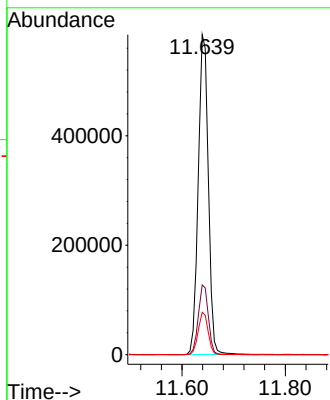
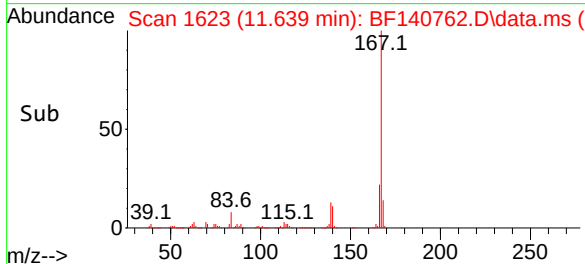
Instrument :
 BNA_F
 ClientSampleId :
 PB165423BS



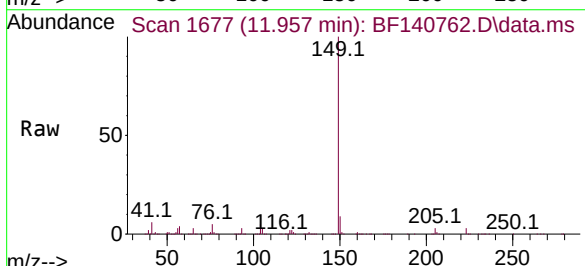
Tgt Ion:167 Resp: 792099
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.2 10.6 15.8

Manual Integrations
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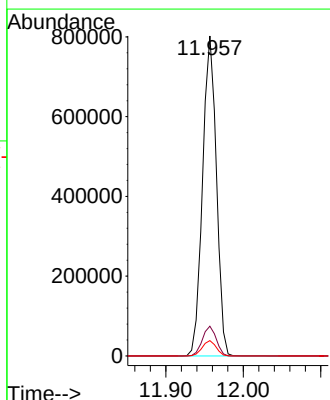
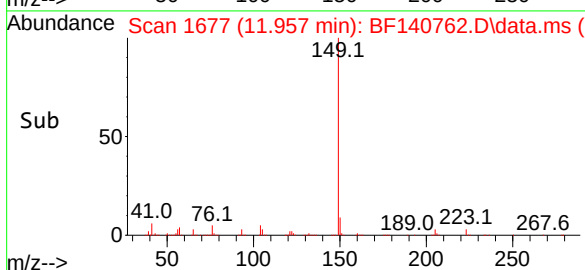
Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

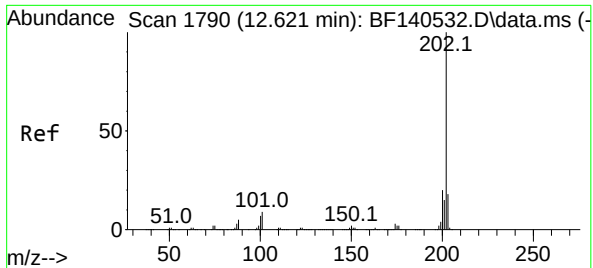


#74
 Di-n-butylphthalate
 Concen: 52.349 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.000 min
 Lab File: BF140762.D
 Acq: 06 Dec 2024 13:16



Tgt Ion:149 Resp: 993945
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 4.8 4.1 6.1





#75

Fluoranthene

Concen: 49.870 ng

RT: 12.621 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:202 Resp: 946290

Ion Ratio Lower Upper

202 100

101 9.6 0.0 28.9

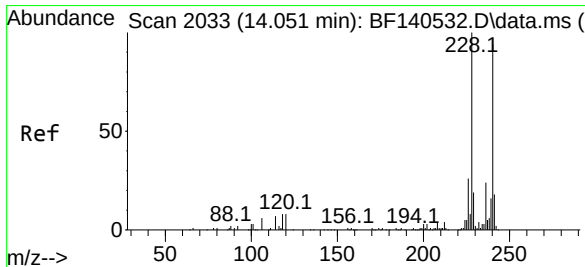
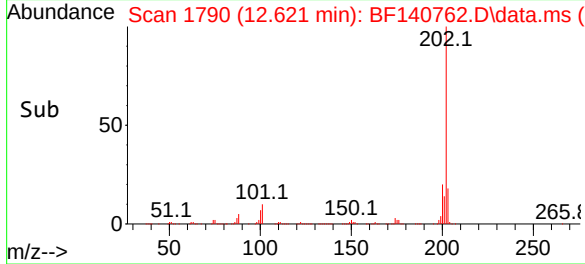
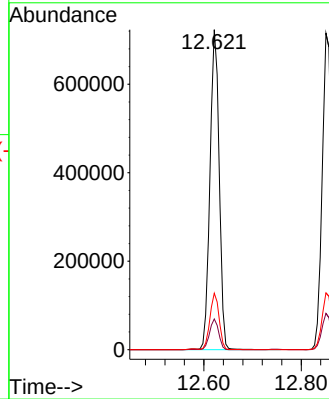
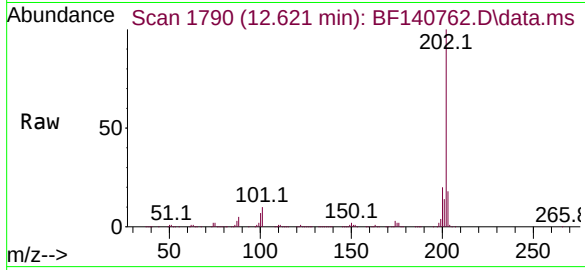
203 17.6 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

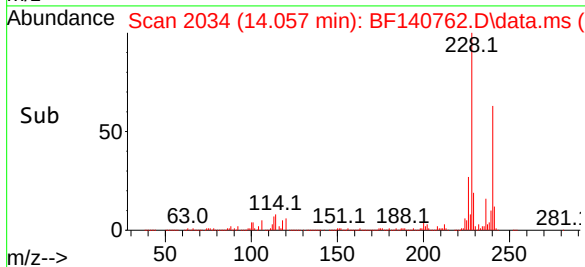
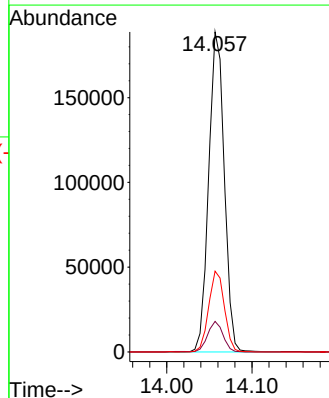
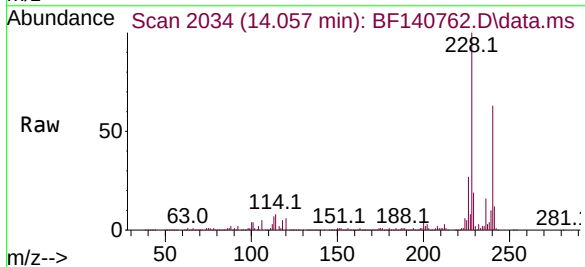
Tgt Ion:240 Resp: 240000

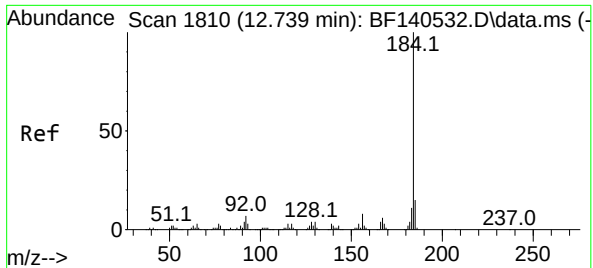
Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

236 25.2 20.6 31.0





#77

Benzidine

Concen: 33.352 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:184 Resp: 232728

Ion Ratio Lower Upper

184 100

185 14.1 11.7 17.5

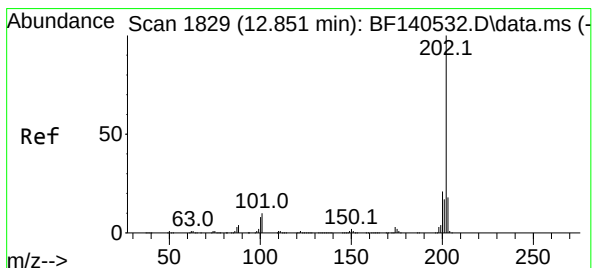
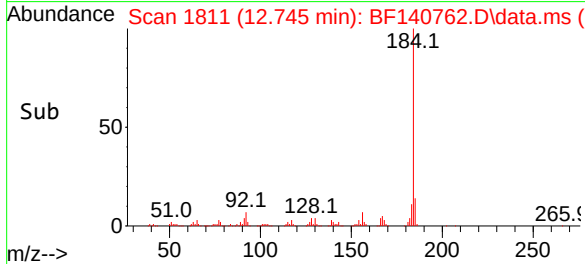
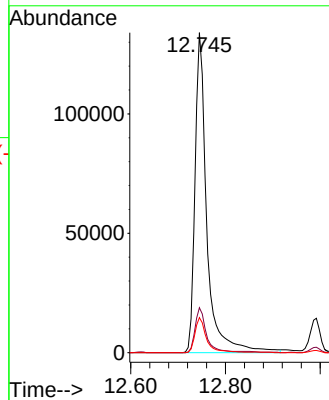
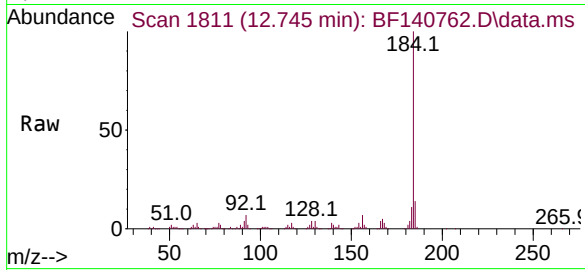
183 11.0 8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#78

Pyrene

Concen: 43.154 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

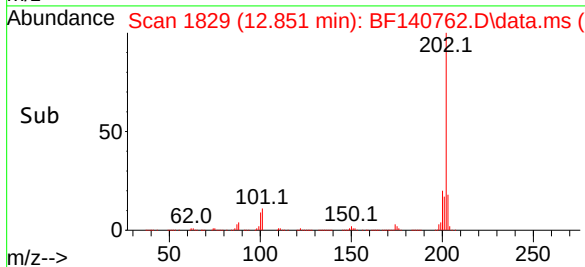
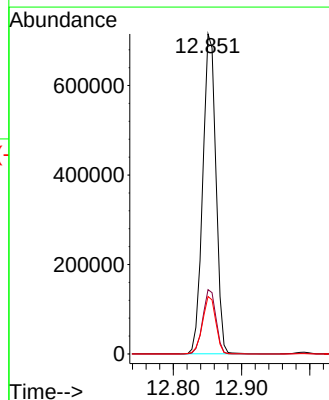
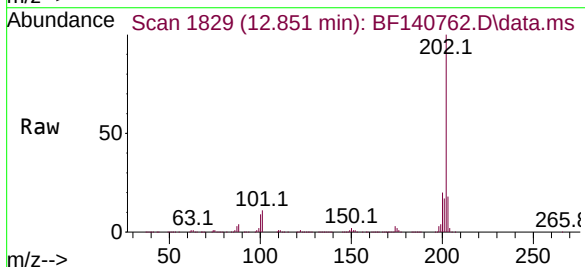
Tgt Ion:202 Resp: 957620

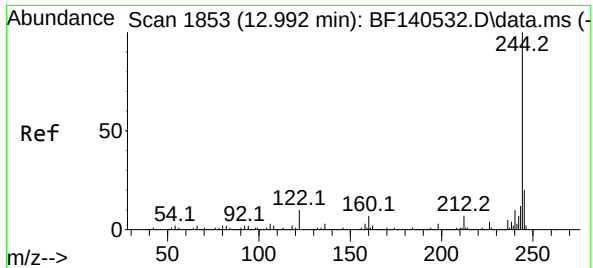
Ion Ratio Lower Upper

202 100

200 20.1 16.5 24.7

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 96.033 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:244 Resp: 1480140

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

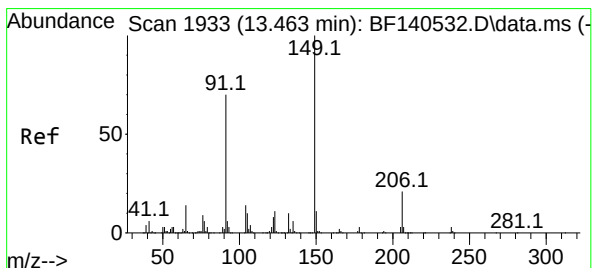
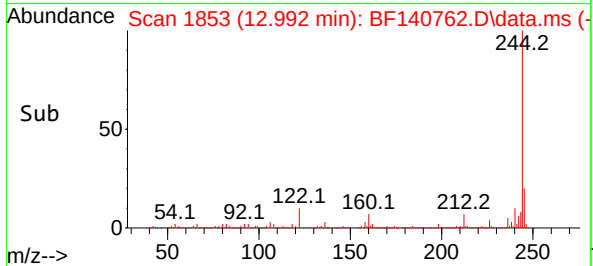
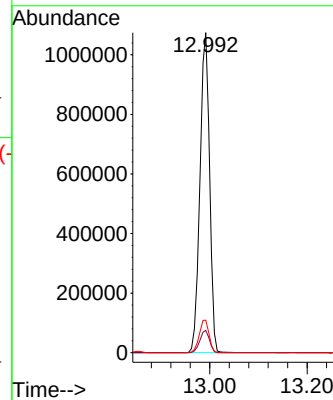
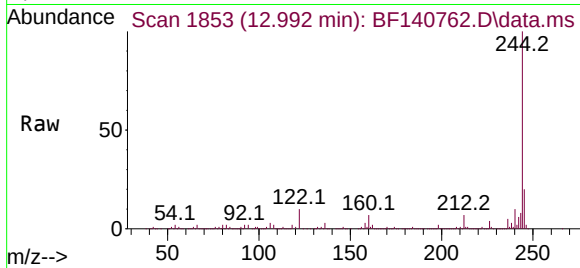
122 10.2 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#80

Butylbenzylphthalate

Concen: 49.155 ng

RT: 13.462 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

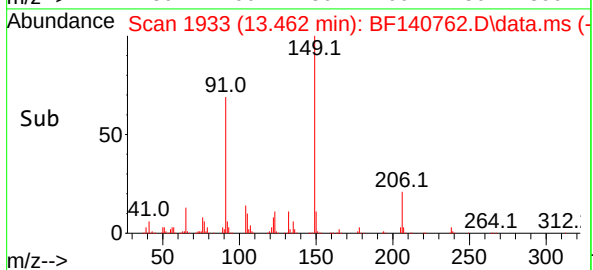
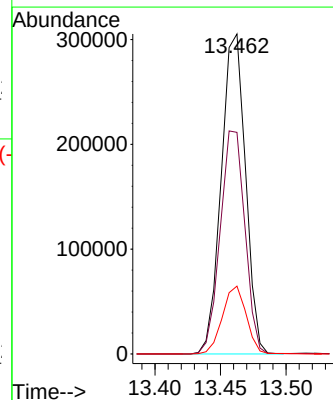
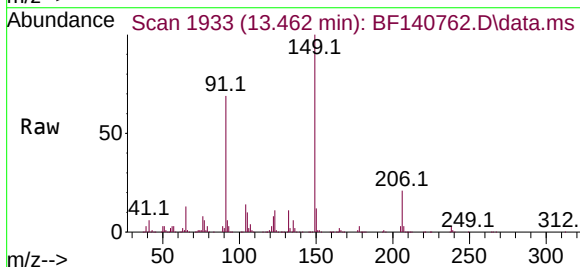
Tgt Ion:149 Resp: 392953

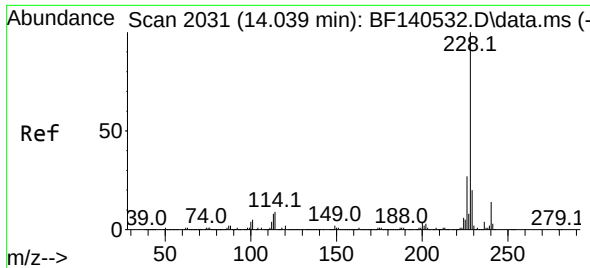
Ion Ratio Lower Upper

149 100

91 69.2 56.2 84.2

206 21.2 16.4 24.6





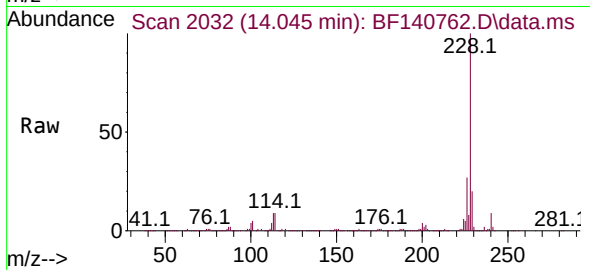
#81
Benzo(a)anthracene
Concen: 49.760 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

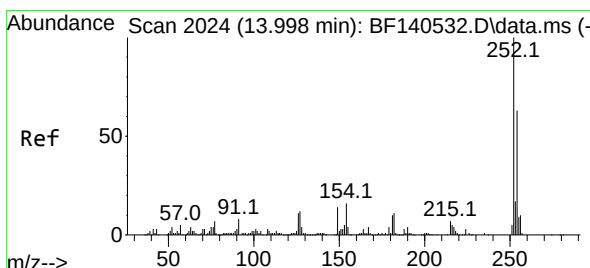
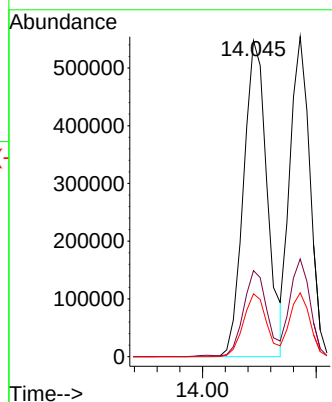
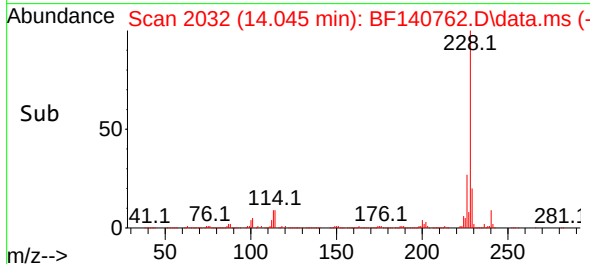


Tgt Ion:228 Resp: 79054
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.9 15.8 23.6

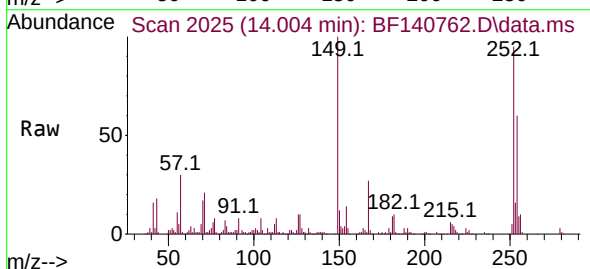
Manual Integrations

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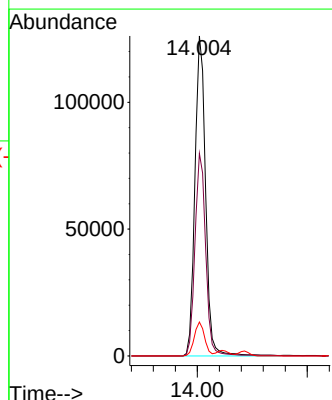
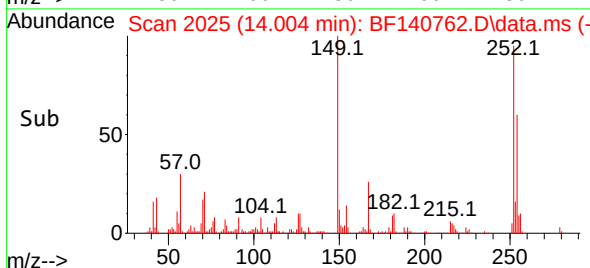
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

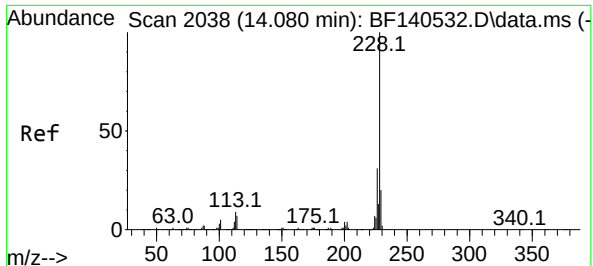


#82
3,3'-Dichlorobenzidine
Concen: 35.616 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16



Tgt Ion:252 Resp: 169885
Ion Ratio Lower Upper
252 100
254 63.3 50.8 76.2
126 10.6 8.6 13.0





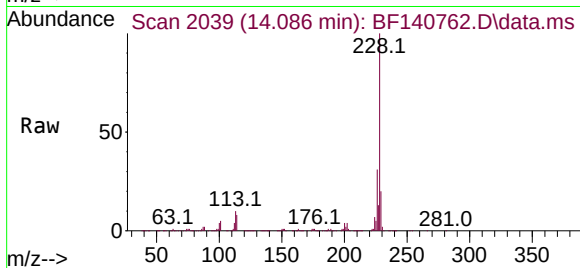
#83
Chrysene
Concen: 46.575 ng
RT: 14.086 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

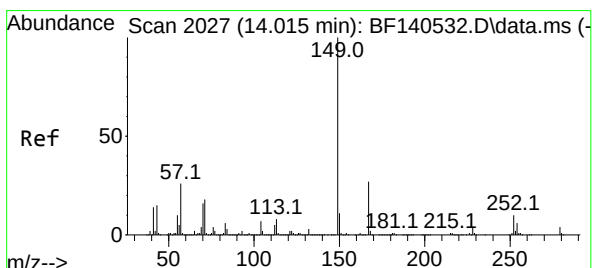
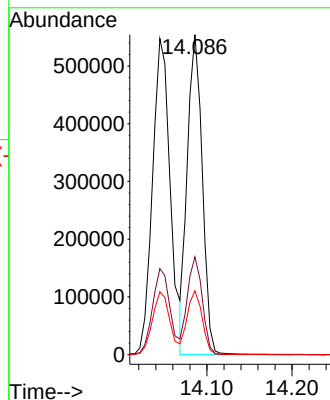
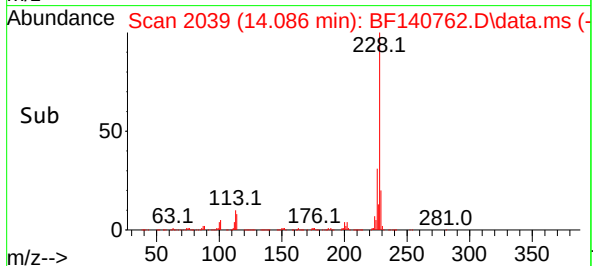


Tgt Ion:228 Resp: 676592
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 20.0 15.8 23.6

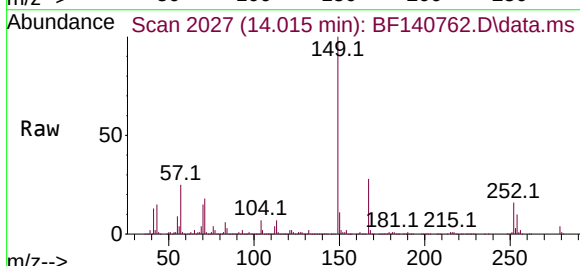
Manual Integrations

APPROVED

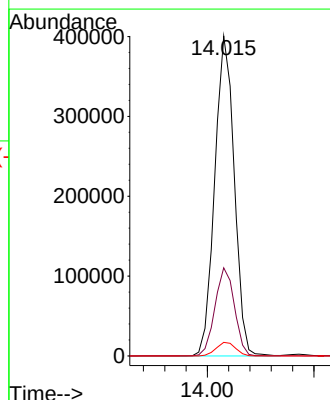
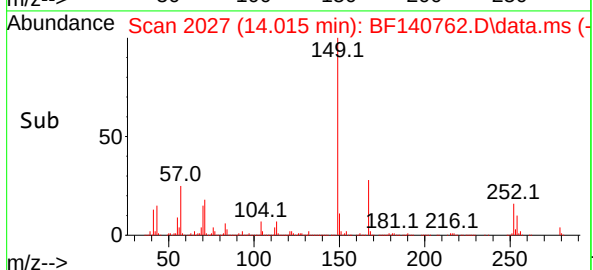
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

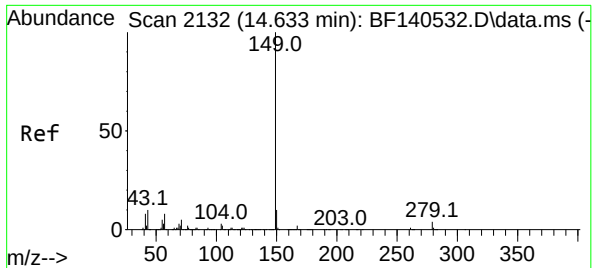


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.385 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16



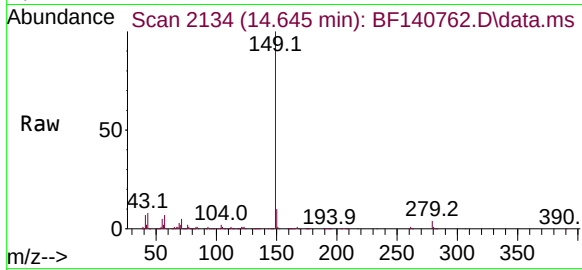
Tgt Ion:149 Resp: 508592
Ion Ratio Lower Upper
149 100
167 27.6 21.2 31.8
279 4.2 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 51.515 ng
RT: 14.645 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

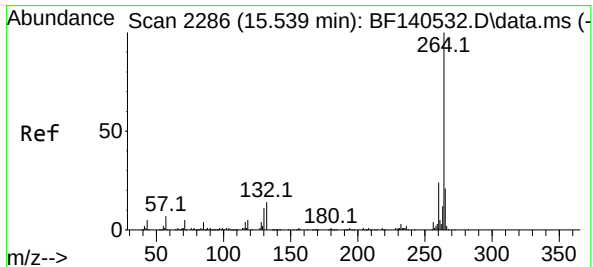
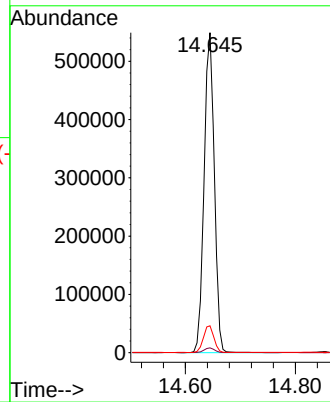
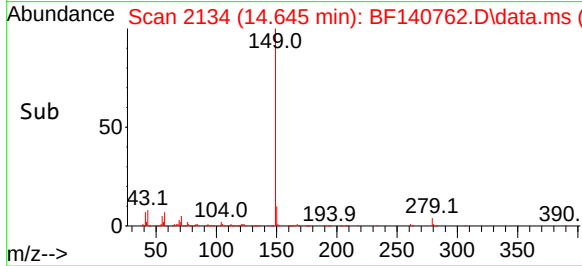
Instrument :
BNA_F
ClientSampleId :
PB165423BS



Tgt Ion:149 Resp: 710648
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.5 7.7 11.5

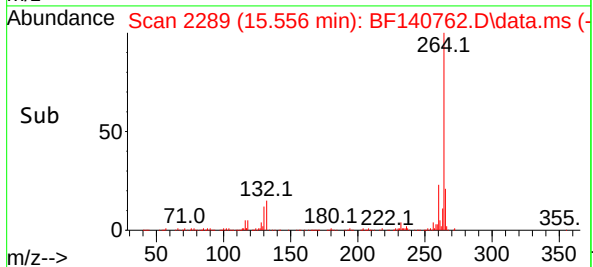
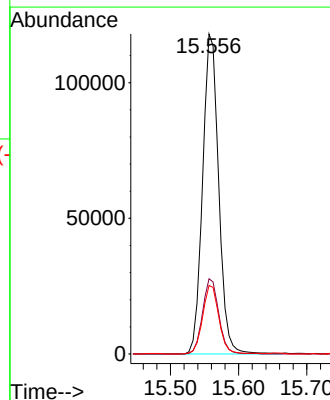
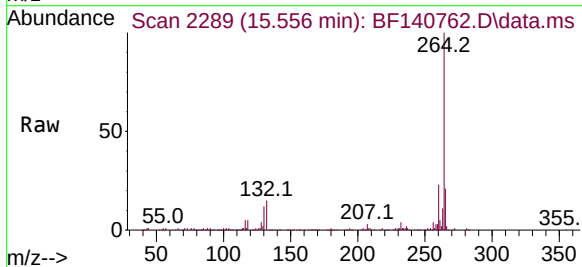
Manual Integrations
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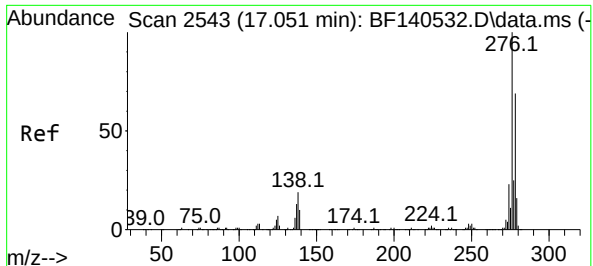
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2289
Delta R.T. 0.018 min
Lab File: BF140762.D
Acq: 06 Dec 2024 13:16

Tgt Ion:264 Resp: 193248
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.948 ng

RT: 17.092 min Scan# 2115

Delta R.T. 0.041 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:276 Resp: 616440

Ion Ratio Lower Upper

276 100

138 20.8 15.5 23.3

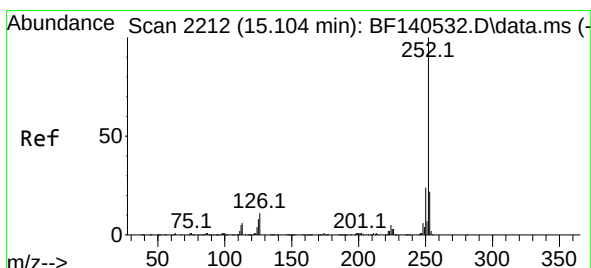
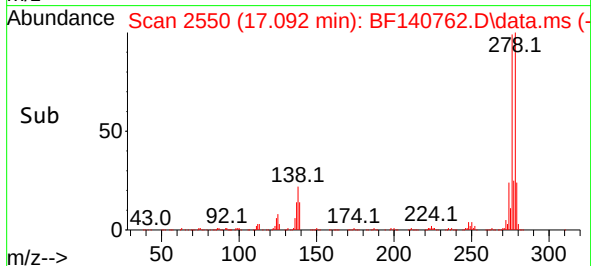
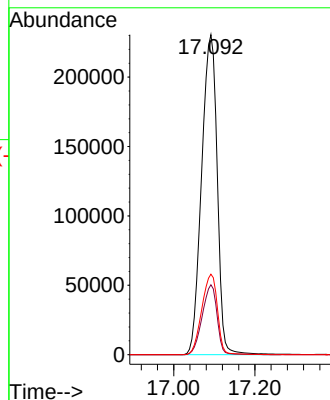
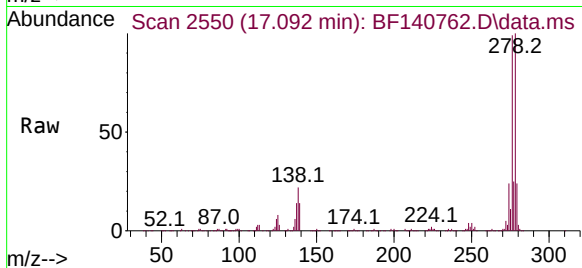
277 25.2 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#88

Benzo(b)fluoranthene

Concen: 45.988 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.018 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

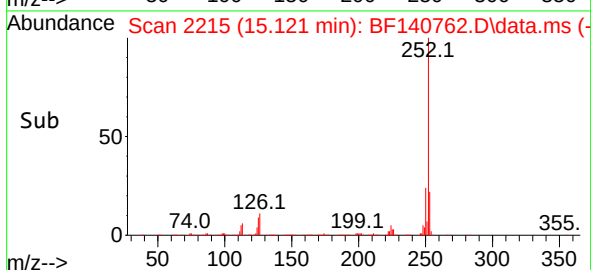
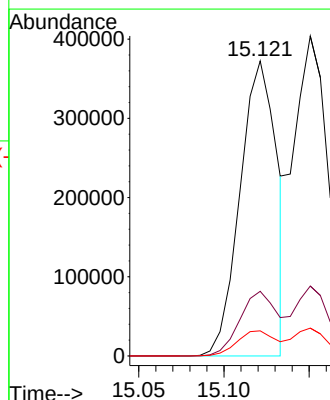
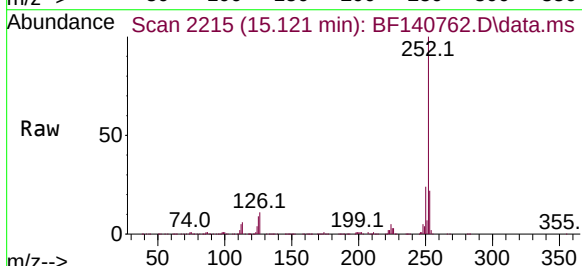
Tgt Ion:252 Resp: 558213

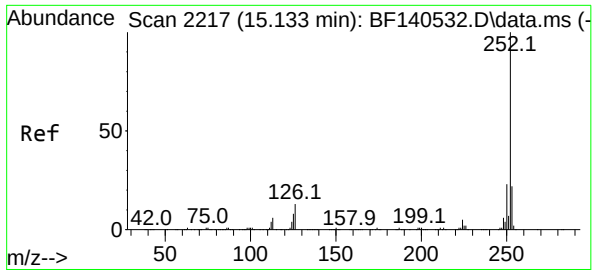
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 8.5 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 53.695 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:252 Resp: 57035

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

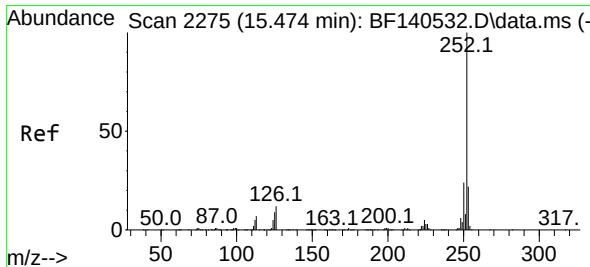
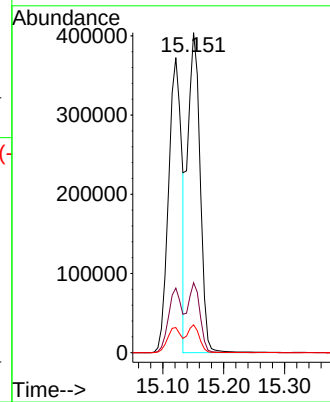
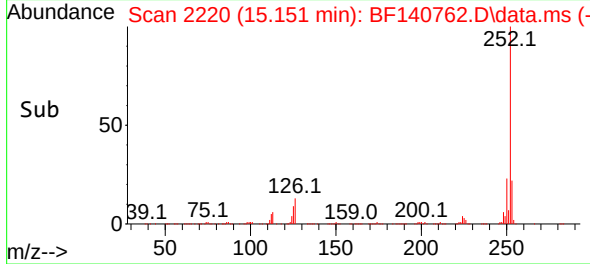
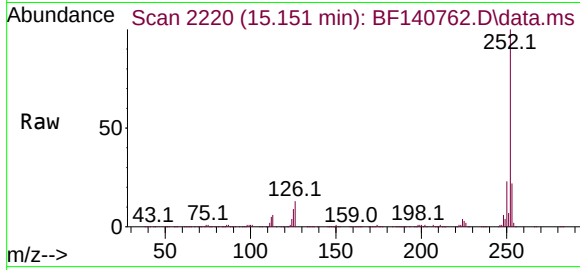
125 8.7 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#90

Benzo(a)pyrene

Concen: 52.340 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.023 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

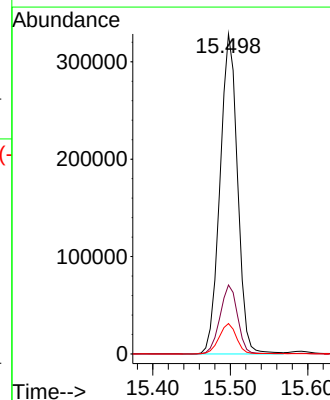
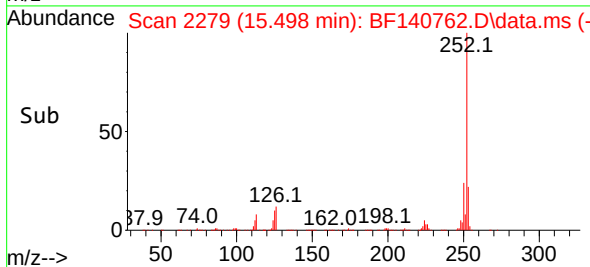
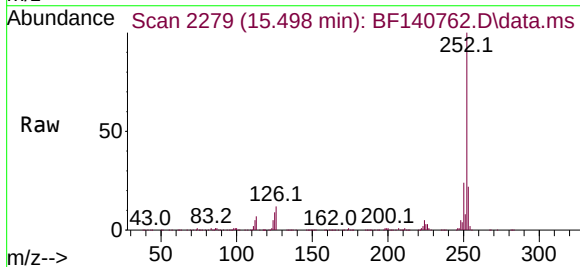
Tgt Ion:252 Resp: 516562

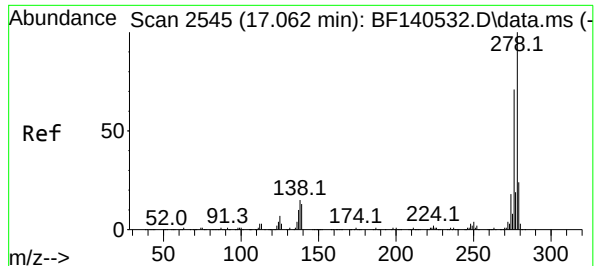
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 9.5 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 49.583 ng

RT: 17.098 min Scan# 2545

Delta R.T. 0.035 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

Instrument :

BNA_F

ClientSampleId :

PB165423BS

Tgt Ion:278 Resp: 51138

Ion Ratio Lower Upper

278 100

139 13.0 10.2 15.4

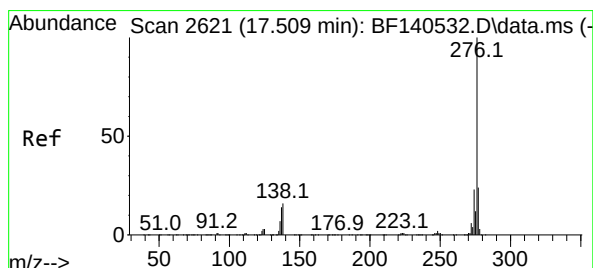
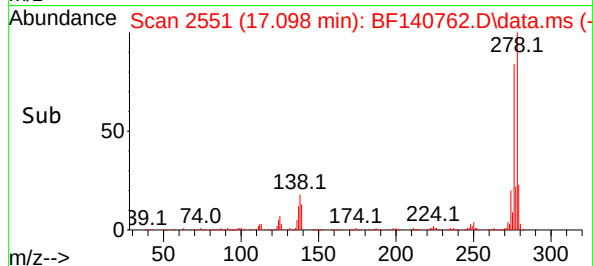
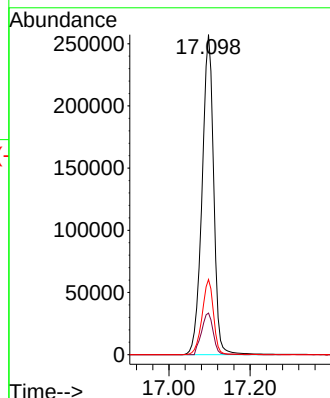
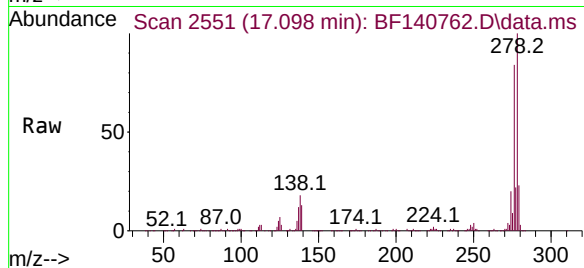
279 23.5 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#92

Benzo(g,h,i)perylene

Concen: 44.424 ng

RT: 17.545 min Scan# 2627

Delta R.T. 0.035 min

Lab File: BF140762.D

Acq: 06 Dec 2024 13:16

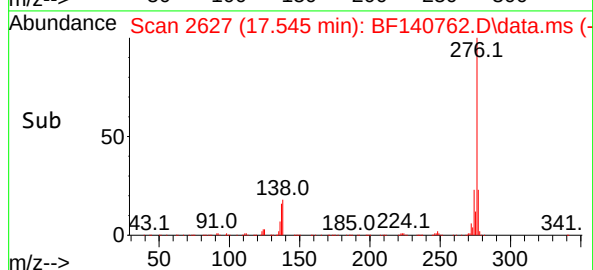
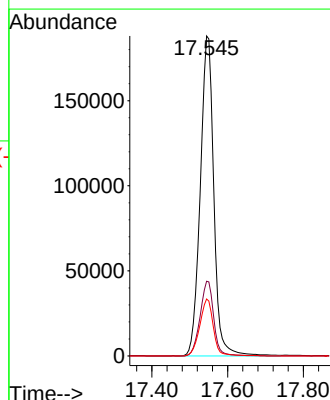
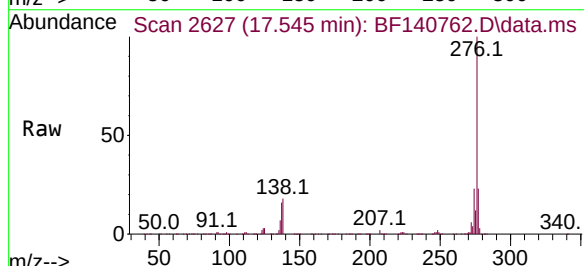
Tgt Ion:276 Resp: 467548

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 17.8 13.2 19.8



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOILMS	SDG No.:	P5112
Lab Sample ID:	P5112-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.07 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
BF140780.D	1	12/06/24 08:55	12/06/24 21:10	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2.00		0.090	0.19	mg/Kg
208-96-8	Acenaphthylene	2.10		0.094	0.19	mg/Kg
83-32-9	Acenaphthene	2.20		0.089	0.19	mg/Kg
86-73-7	Fluorene	2.10		0.093	0.19	mg/Kg
85-01-8	Phenanthrene	5.30	E	0.092	0.19	mg/Kg
120-12-7	Anthracene	2.90		0.092	0.19	mg/Kg
206-44-0	Fluoranthene	5.70	E	0.089	0.19	mg/Kg
129-00-0	Pyrene	4.30	E	0.091	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	4.20	E	0.088	0.19	mg/Kg
218-01-9	Chrysene	3.60	E	0.087	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	4.30	E	0.089	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.90		0.090	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	3.80	E	0.10	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.20		0.085	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.70		0.089	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.10		0.087	0.19	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	79.0		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		20 - 109	84%	SPK: 100
1718-51-0	Terphenyl-d14	67.0		10 - 105	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69800		6.869		
1146-65-2	Naphthalene-d8	258000		8.151		
15067-26-2	Acenaphthene-d10	131000		9.904		
1517-22-2	Phenanthrene-d10	207000		11.398		
1719-03-5	Chrysene-d12	145000		14.057		
1520-96-3	Perylene-d12	118000		15.557		

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOILMS	SDG No.:	P5112
Lab Sample ID:	P5112-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.07 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
BF140780.D	1	12/06/24 08:55	12/06/24 21:10	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140780.D
 Acq On : 06 Dec 2024 21:10
 Operator : RC/JU
 Sample : P5112-01MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 21:57:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	69805	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	258221	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	131159	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	206862	20.000	ng	0.00
76) Chrysene-d12	14.057	240	144601	20.000	ng	0.00
86) Perylene-d12	15.557	264	118347	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	479754	117.264	ng	0.01
7) Phenol-d6	6.516	99	617571	114.181	ng	0.00
23) Nitrobenzene-d5	7.434	82	398848	79.007	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	153689	109.562	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	739404	83.995	ng	-0.01
79) Terphenyl-d14	12.986	244	622115	66.992	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.693	88	76075	44.226	ng	98
3) Pyridine	3.469	79	181454	47.944	ng	99
4) n-Nitrosodimethylamine	3.422	42	101941	45.828	ng	95
6) Aniline	6.539	93	104176	27.365	ng	# 32
8) 2-Chlorophenol	6.663	128	231575	52.612	ng	96
9) Benzaldehyde	6.428	77	70554	24.641	ng	99
10) Phenol	6.534	94	291619	52.795	ng	91
11) bis(2-Chloroethyl)ether	6.604	93	222023	52.527	ng	99
12) 1,3-Dichlorobenzene	6.810	146	246479	49.836	ng	98
13) 1,4-Dichlorobenzene	6.886	146	249712	49.865	ng	100
14) 1,2-Dichlorobenzene	7.039	146	236351	50.368	ng	99
15) Benzyl Alcohol	7.016	79	199133	49.646	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	263833	52.835	ng	64
17) 2-Methylphenol	7.139	107	179096	50.831	ng	93
18) Hexachloroethane	7.375	117	90808	48.551	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	165669	51.828	ng	97
20) 3+4-Methylphenols	7.292	107	240614	53.130	ng	# 68
22) Acetophenone	7.281	105	318476	50.589	ng	# 93
24) Nitrobenzene	7.457	77	245585	47.069	ng	96
25) Isophorone	7.692	82	446510	53.029	ng	99
26) 2-Nitrophenol	7.769	139	123914	53.592	ng	96
27) 2,4-Dimethylphenol	7.810	122	180381m	65.202	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	268753	52.393	ng	99
29) 2,4-Dichlorophenol	8.022	162	192725	52.574	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	205081	48.998	ng	98
31) Naphthalene	8.175	128	715648	53.805	ng	100
32) Benzoic acid	7.951	122	89314	38.732	ng	93
33) 4-Chloroaniline	8.239	127	39048	9.805	ng	99
34) Hexachlorobutadiene	8.281	225	141982	51.215	ng	98
35) Caprolactam	8.598	113	57979	51.108	ng	97
36) 4-Chloro-3-methylphenol	8.722	107	202348	49.301	ng	99
37) 2-Methylnaphthalene	8.863	142	457956	54.209	ng	99
38) 1-Methylnaphthalene	8.963	142	426554	51.512	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	211135	54.988	ng	100
41) Hexachlorocyclopentadiene	9.010	237	55710	65.957	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	131134	54.427	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140780.D
 Acq On : 06 Dec 2024 21:10
 Operator : RC/JU
 Sample : P5112-01MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 21:57:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

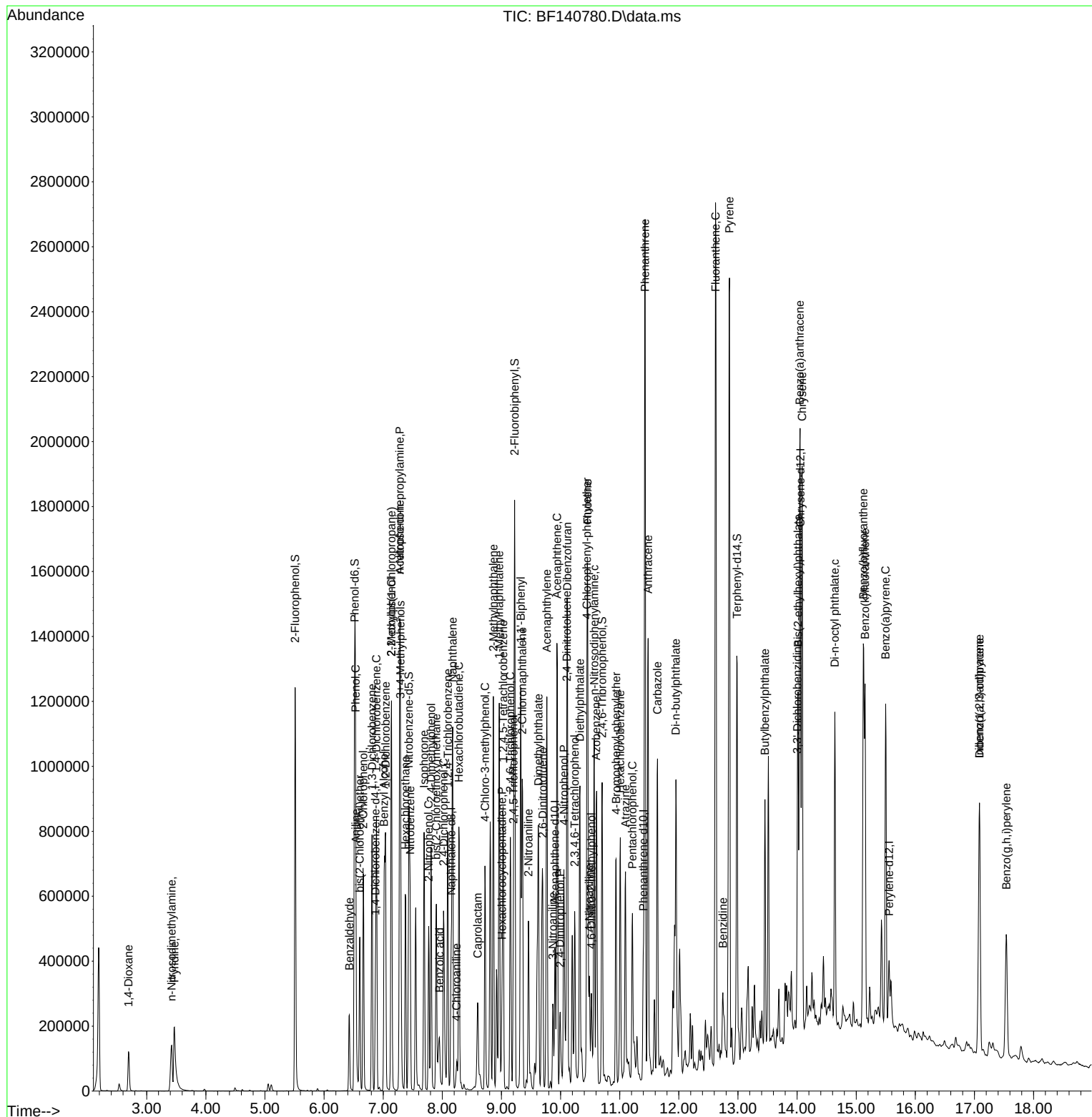
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	131630	50.339	ng	98
46) 1,1'-Biphenyl	9.328	154	540409	55.186	ng	99
47) 2-Chloronaphthalene	9.351	162	396081	53.381	ng	99
48) 2-Nitroaniline	9.457	65	121168	50.875	ng	96
49) Acenaphthylene	9.769	152	651419	58.105	ng	100
50) Dimethylphthalate	9.627	163	486793	56.354	ng	100
51) 2,6-Dinitrotoluene	9.698	165	100491	51.295	ng	92
52) Acenaphthene	9.939	154	431031	60.509	ng	99
53) 3-Nitroaniline	9.869	138	61090	31.883	ng	96
54) 2,4-Dinitrophenol	9.992	184	54335	56.139	ng	95
55) Dibenzofuran	10.116	168	614414	56.547	ng	100
56) 4-Nitrophenol	10.057	139	87028	66.599	ng	93
57) 2,4-Dinitrotoluene	10.104	165	126412	48.552	ng	94
58) Fluorene	10.457	166	508665	58.324	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	100101	49.811	ng	93
60) Diethylphthalate	10.327	149	477581	54.416	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	224764	52.514	ng	98
62) 4-Nitroaniline	10.486	138	85376	42.484	ng	94
63) Azobenzene	10.604	77	455072	54.754	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	48452	45.836	ng	97
66) n-Nitrosodiphenylamine	10.569	169	384581	62.866	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	123268	57.862	ng	98
68) Hexachlorobenzene	11.010	284	132968	53.904	ng	99
69) Atrazine	11.098	200	113461	65.929	ng	99
70) Pentachlorophenol	11.216	266	88557	81.569	ng	100
71) Phenanthrene	11.427	178	1457178	146.544	ng	99
72) Anthracene	11.480	178	762241	78.365	ng	99
73) Carbazole	11.639	167	563151	60.184	ng	100
74) Di-n-butylphthalate	11.951	149	638201	59.077	ng	100
75) Fluoranthene	12.621	202	1695660	157.060	ng	98
77) Benzidine	12.745	184	138463	32.935	ng	99
78) Pyrene	12.857	202	1566168	117.139	ng	99
80) Butylbenzylphthalate	13.457	149	246729	51.226	ng	98
81) Benzo(a)anthracene	14.045	228	1105936	115.539	ng	97
82) 3,3'-Dichlorobenzidine	14.004	252	101927	35.467	ng	99
83) Chrysene	14.086	228	860669	98.334	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	369920	60.824	ng	99
85) Di-n-octyl phthalate	14.639	149	618045	74.360	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	472998	61.328	ng	98
88) Benzo(b)fluoranthene	15.121	252	885287	119.094	ng	98
89) Benzo(k)fluoranthene	15.151	252	511840m	78.684	ng	
90) Benzo(a)pyrene	15.498	252	633581	104.827	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	302339	47.867	ng	99
92) Benzo(g,h,i)perylene	17.539	276	366946	56.931	ng	99

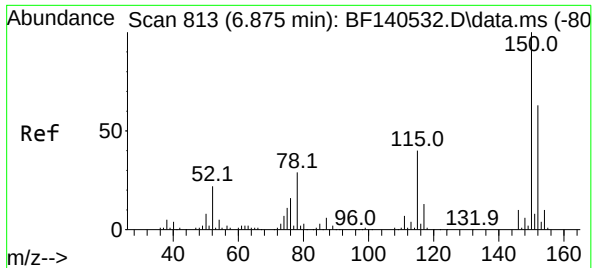
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Manual Integrations

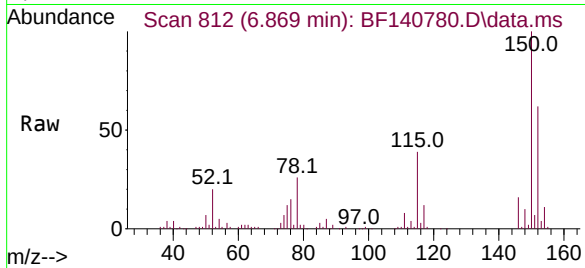
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

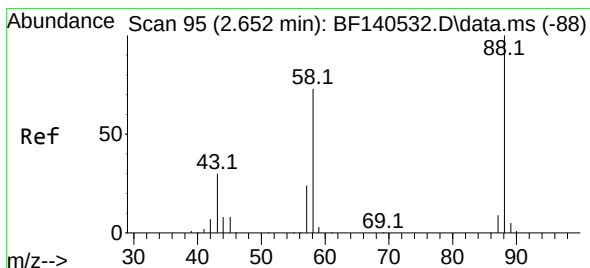
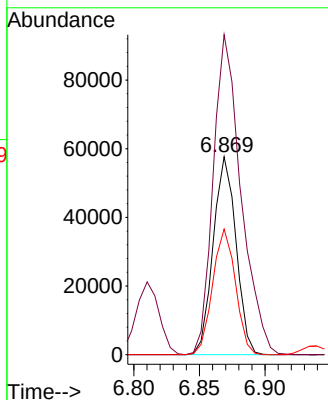
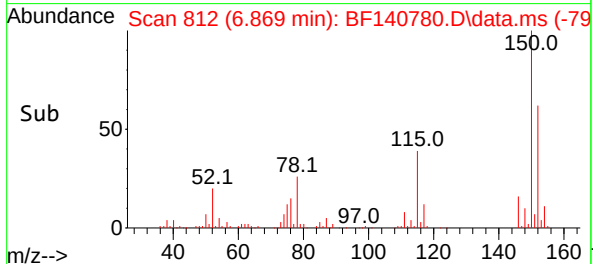
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:152 Resp: 6980
Ion Ratio Lower Upper
152 100
150 161.7 128.5 192.7
115 63.4 50.2 75.4

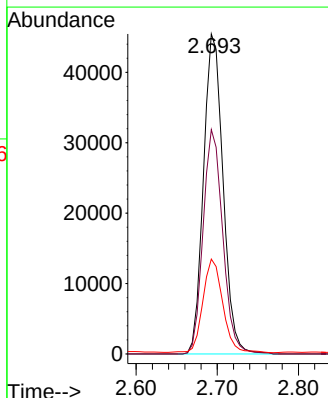
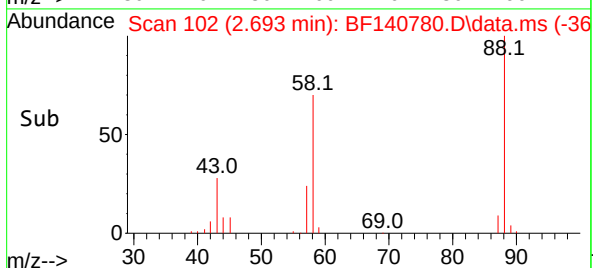
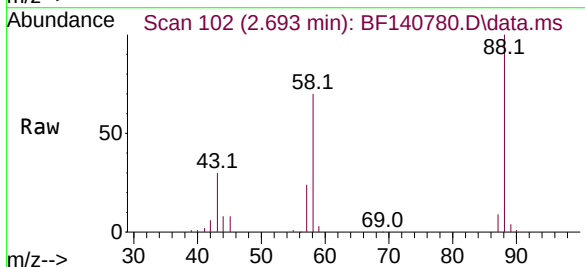
Manual Integrations
APPROVED

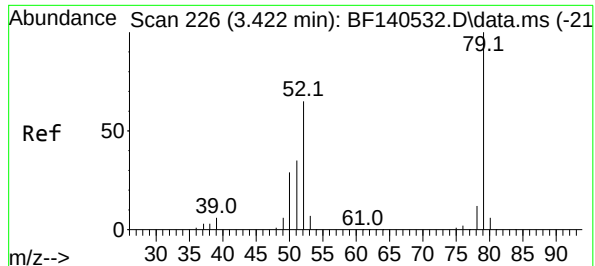
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#2
1,4-Dioxane
Concen: 44.226 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.041 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion: 88 Resp: 76075
Ion Ratio Lower Upper
88 100
58 70.4 57.4 86.2
43 29.7 24.3 36.5





#3

Pyridine

Concen: 47.944 ng

RT: 3.469 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion: 79 Resp: 181454

Ion Ratio Lower Upper

79 100

52 64.4 52.1 78.1

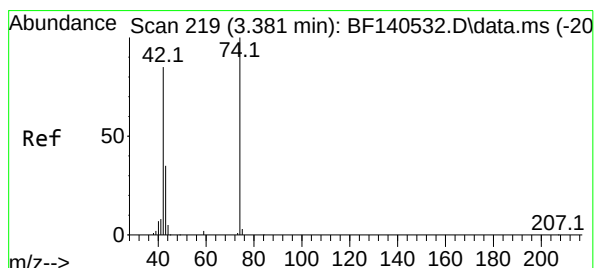
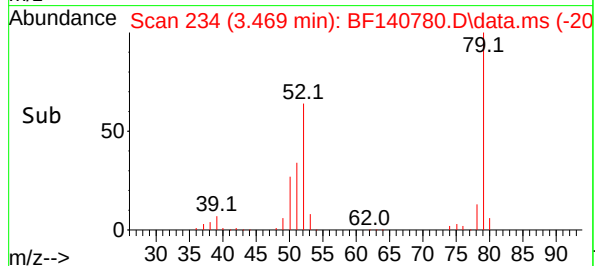
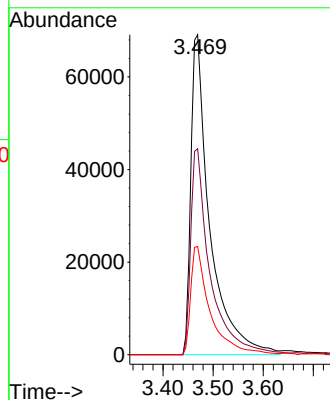
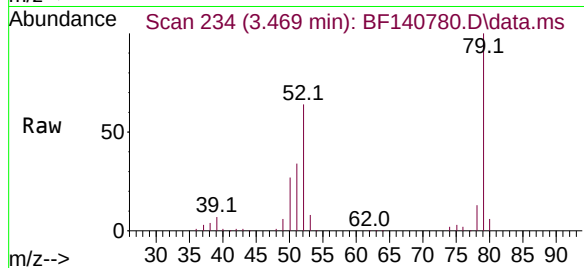
51 33.8 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#4

n-Nitrosodimethylamine

Concen: 45.828 ng

RT: 3.422 min Scan# 226

Delta R.T. 0.041 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

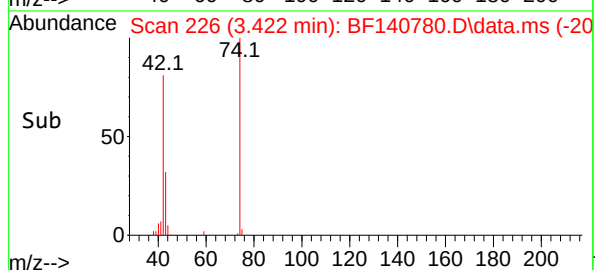
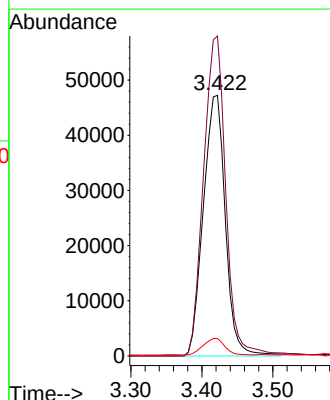
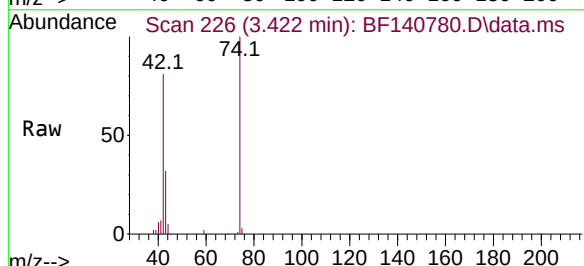
Tgt Ion: 42 Resp: 101941

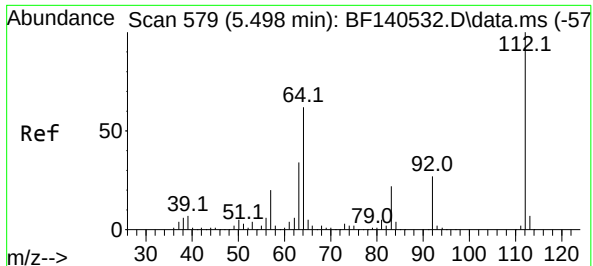
Ion Ratio Lower Upper

42 100

74 122.8 93.8 140.6

44 6.7 4.6 6.8





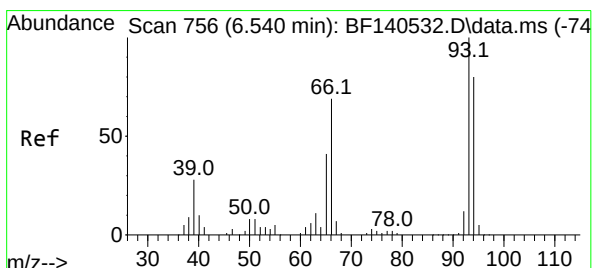
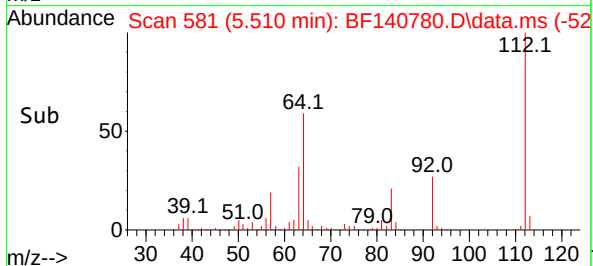
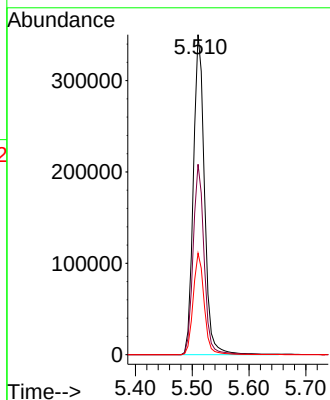
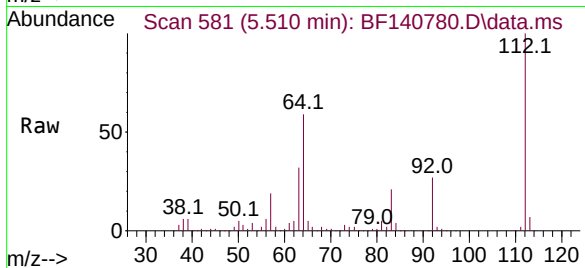
#5
2-Fluorophenol
Concen: 117.264 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Tgt Ion:112 Resp: 479754
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 31.7 27.0 40.4

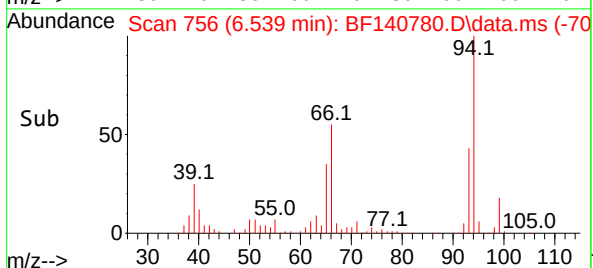
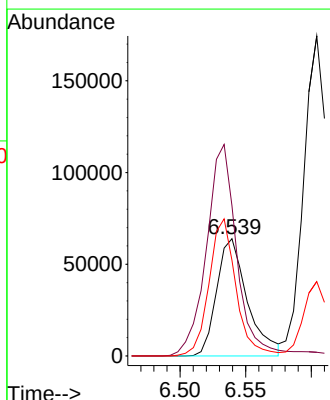
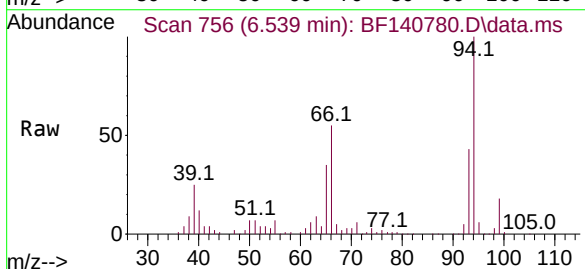
Manual Integrations
APPROVED

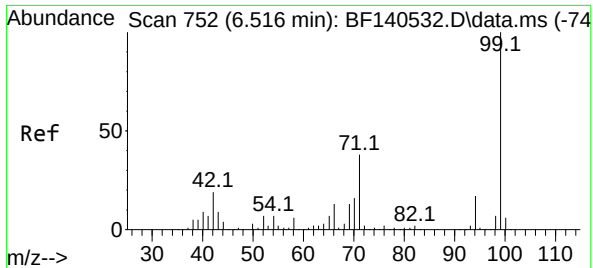
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#6
Aniline
Concen: 27.365 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

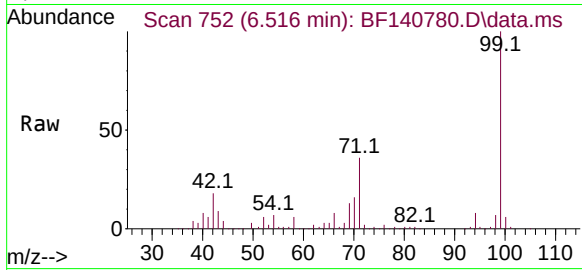
Tgt Ion: 93 Resp: 104176
Ion Ratio Lower Upper
93 100
66 128.1 56.5 84.7#
65 81.5 32.9 49.3#





#7
Phenol-d6
Concen: 114.181 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

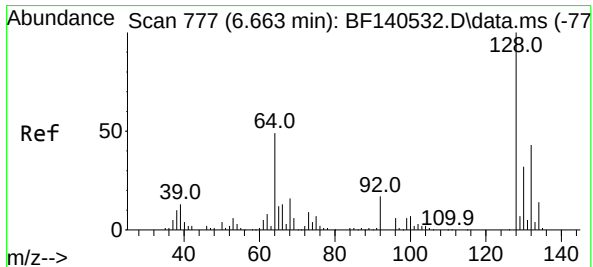
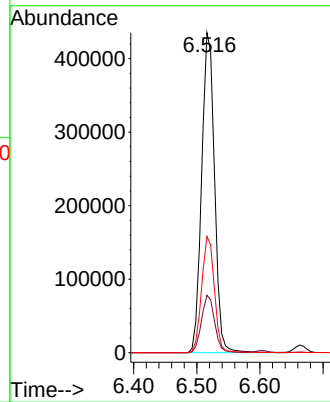
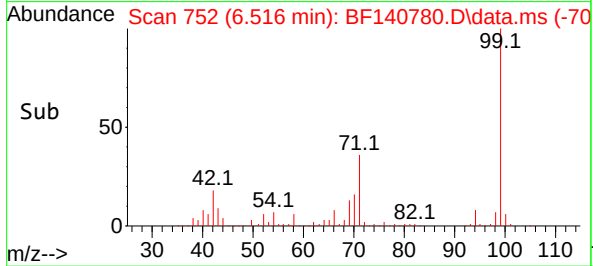
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



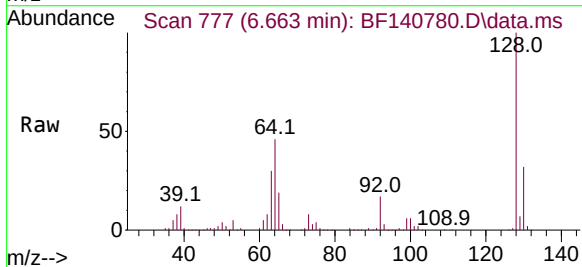
Tgt Ion: 99 Resp: 61757
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.3 30.6 46.0

Manual Integrations
APPROVED

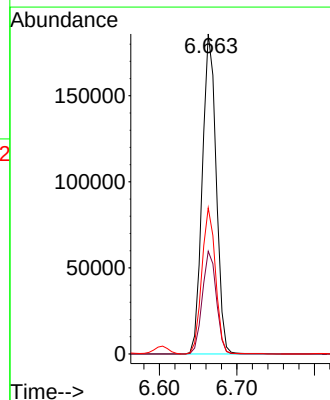
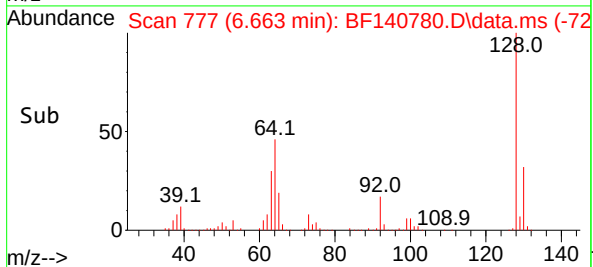
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

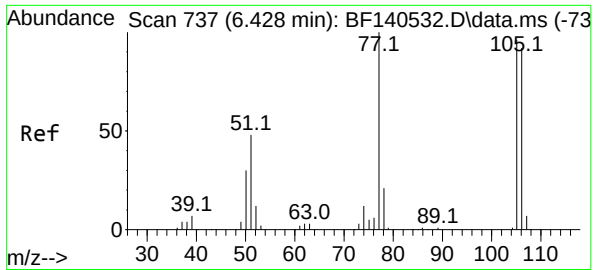


#8
2-Chlorophenol
Concen: 52.612 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



Tgt Ion:128 Resp: 231575
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 45.6 30.2 70.2





#9

Benzaldehyde

Concen: 24.641 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

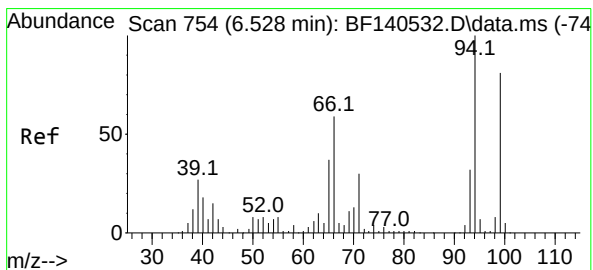
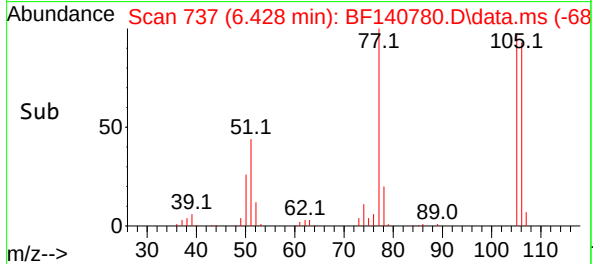
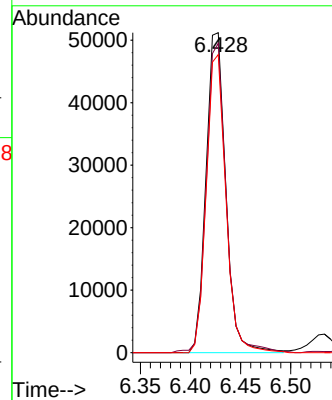
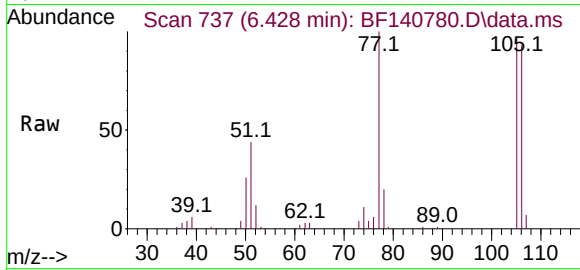
Tgt Ion:	77	Resp:	70554
Ion Ratio	Lower	Upper	
77	100		
105	96.7	75.6	115.6
106	93.1	72.0	112.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#10

Phenol

Concen: 52.795 ng

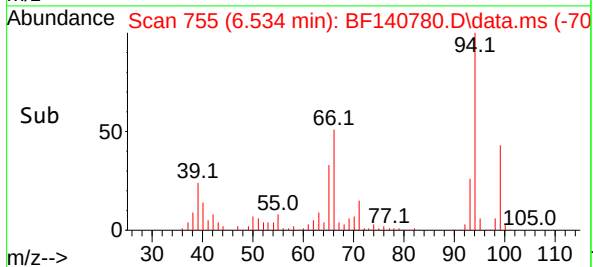
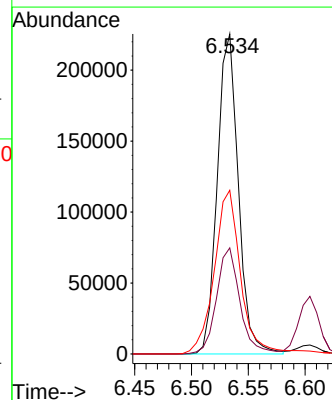
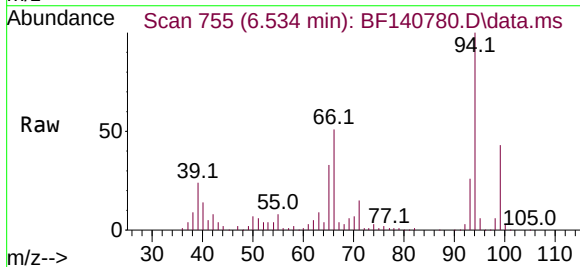
RT: 6.534 min Scan# 755

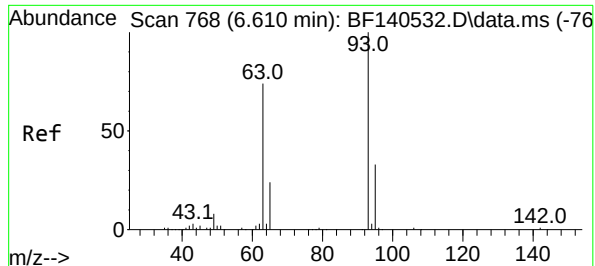
Delta R.T. 0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Tgt Ion:	94	Resp:	291619
Ion Ratio	Lower	Upper	
94	100		
65	33.2	17.2	57.2
66	51.1	39.2	79.2





#11

bis(2-Chloroethyl)ether

Concen: 52.527 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion: 93 Resp: 22202

Ion Ratio Lower Upper

93 100

63 71.0 52.8 92.8

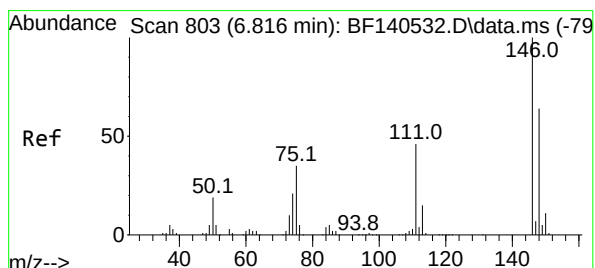
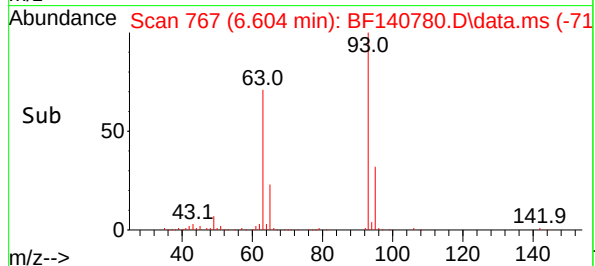
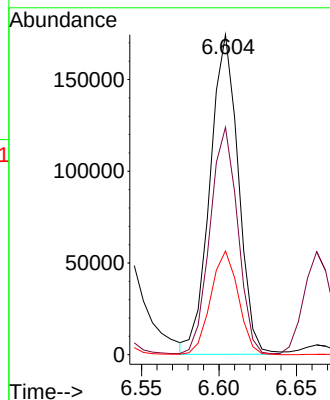
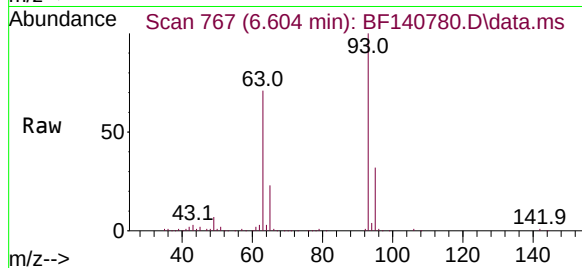
95 32.4 12.3 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#12

1,3-Dichlorobenzene

Concen: 49.836 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

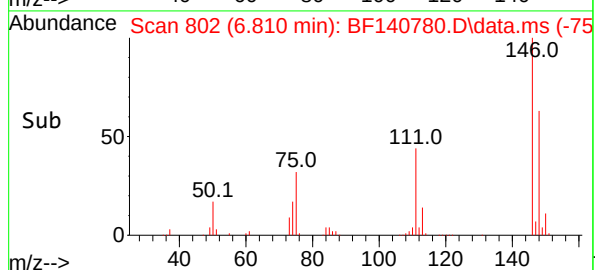
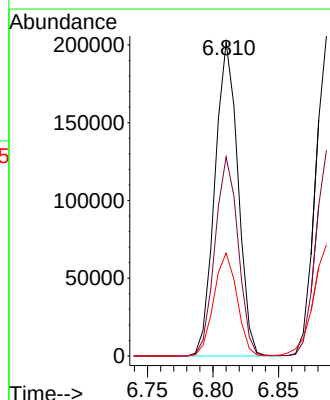
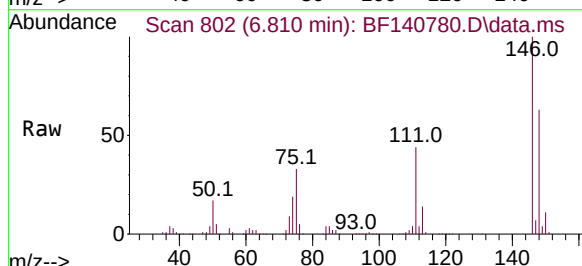
Tgt Ion:146 Resp: 246479

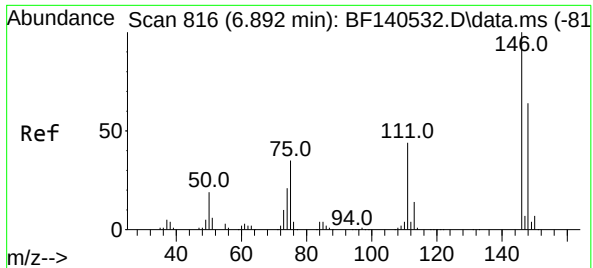
Ion Ratio Lower Upper

146 100

148 63.5 51.3 76.9

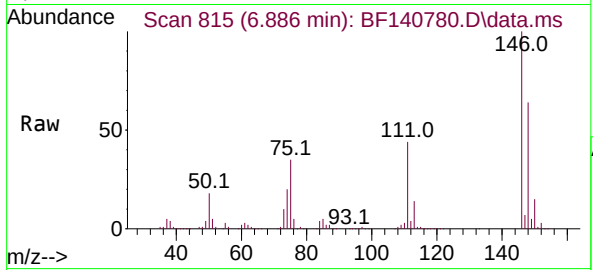
75 32.8 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 49.865 ng
RT: 6.886 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

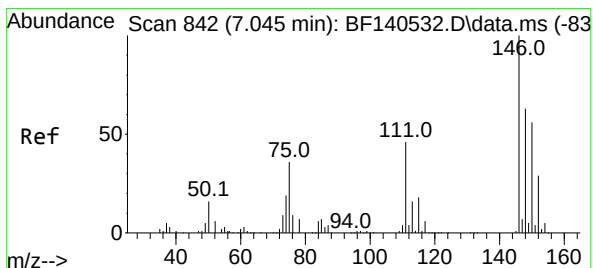
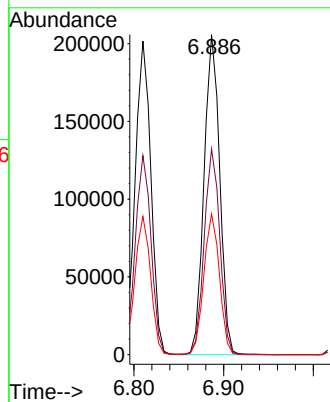
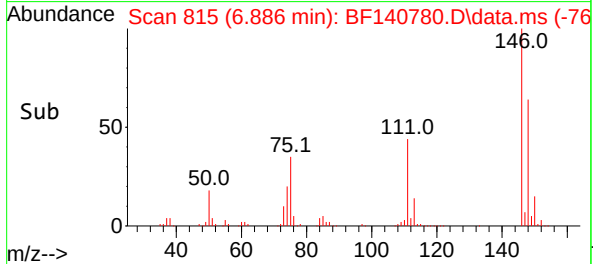
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



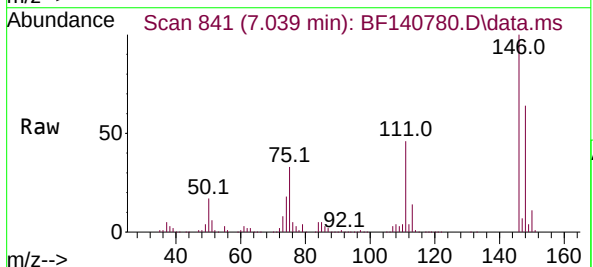
Tgt Ion:146 Resp: 249712
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.6
111 44.0 35.3 52.9

Manual Integrations
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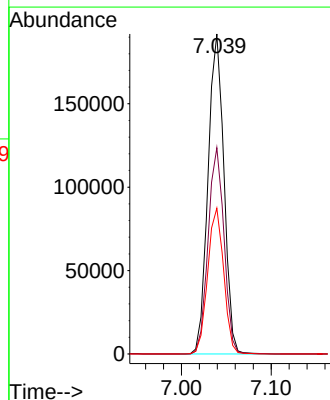
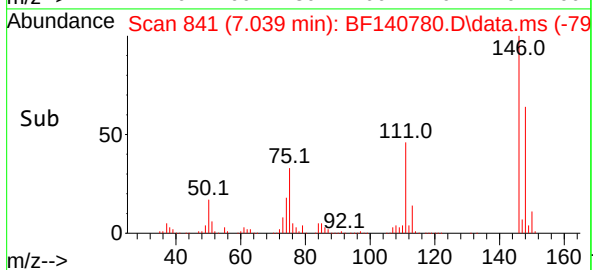
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

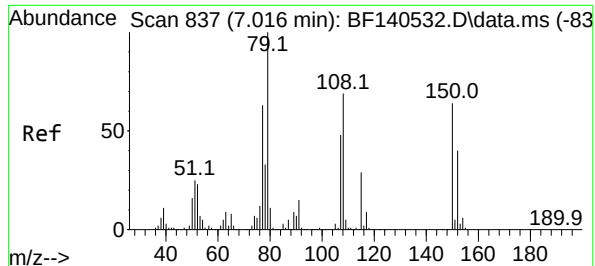


#14
1,2-Dichlorobenzene
Concen: 50.368 ng
RT: 7.039 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



Tgt Ion:146 Resp: 236351
Ion Ratio Lower Upper
146 100
148 64.5 50.5 75.7
111 45.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 49.646 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion: 79 Resp: 19913

Ion Ratio Lower Upper

79 100

108 72.8 55.0 82.6

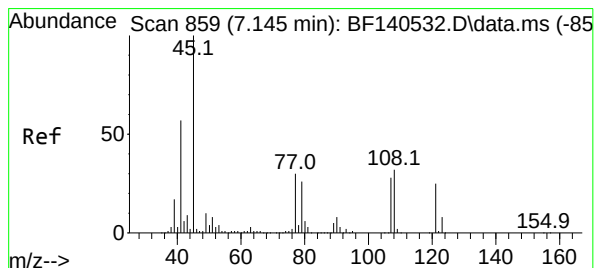
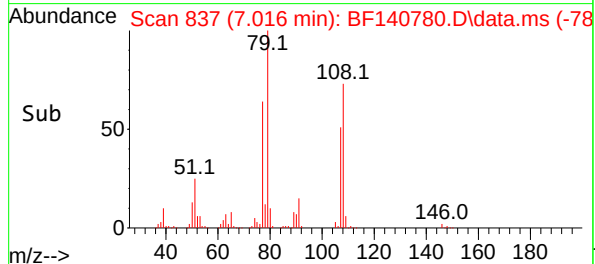
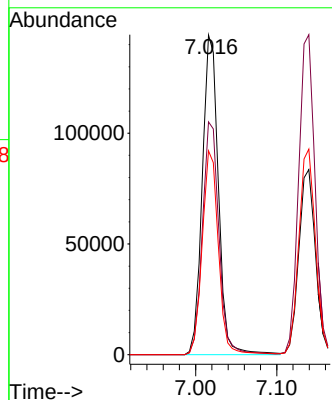
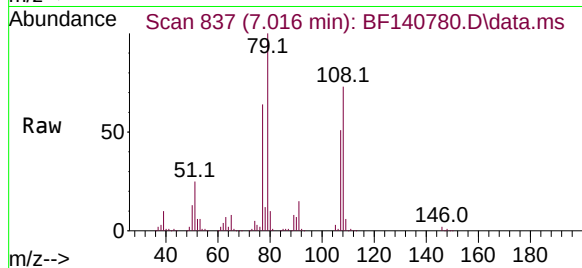
77 63.8 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.835 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

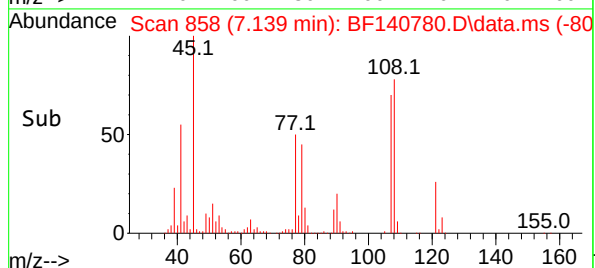
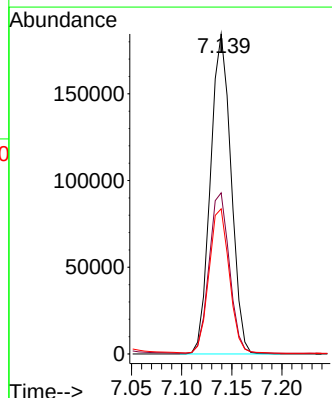
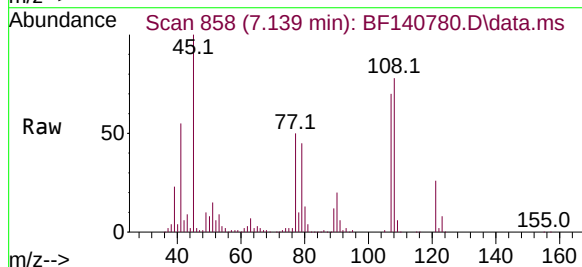
Tgt Ion: 45 Resp: 263833

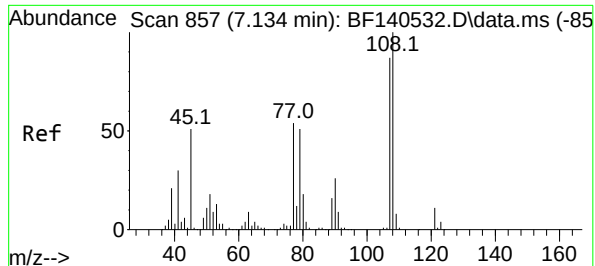
Ion Ratio Lower Upper

45 100

77 50.3 10.7 50.7

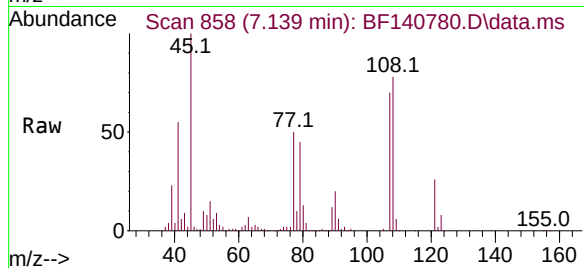
79 45.3 7.0 47.0





#17
2-Methylphenol
Concen: 50.831 ng
RT: 7.139 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

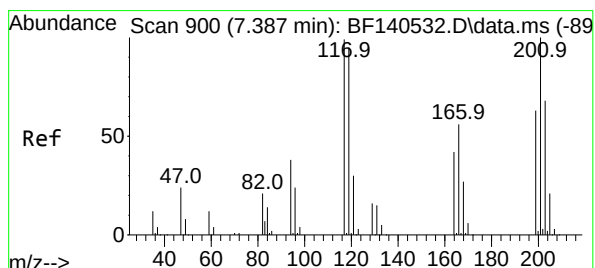
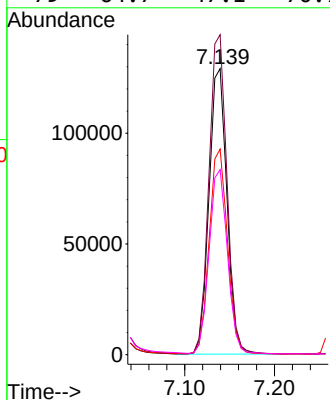
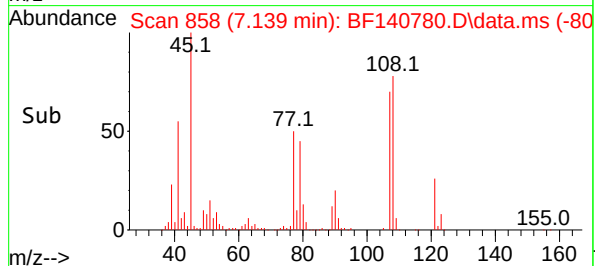
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:107 Resp: 179090
Ion Ratio Lower Upper
107 100
108 111.9 91.7 137.5
77 71.9 49.3 73.9
79 64.7 47.1 70.7

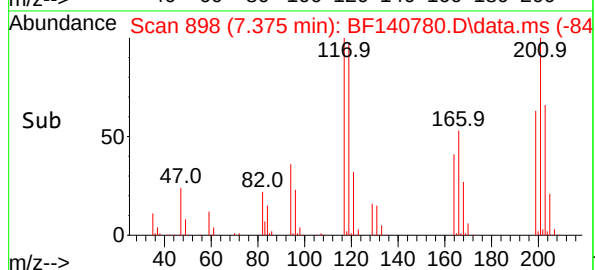
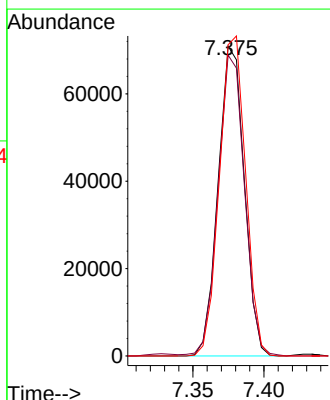
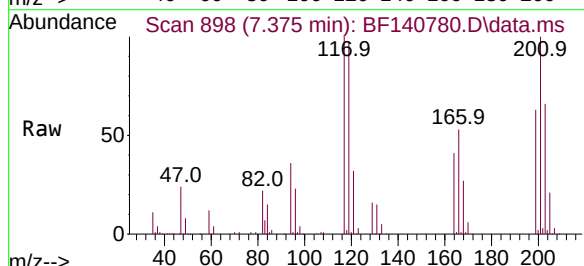
Manual Integrations
APPROVED

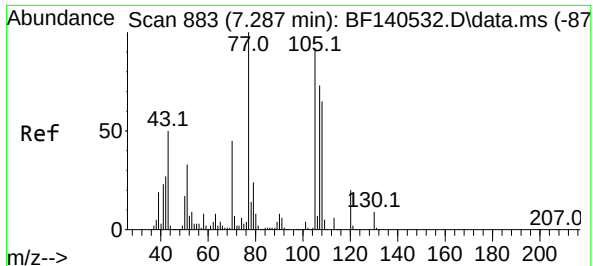
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#18
Hexachloroethane
Concen: 48.551 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:117 Resp: 90808
Ion Ratio Lower Upper
117 100
119 97.1 77.1 115.7
201 100.5 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 51.828 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140780.D

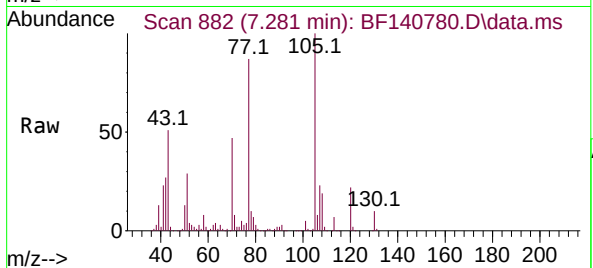
Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS



Tgt Ion: 70 Resp: 16566

Ion Ratio Lower Upper

70 100

42 57.4 47.6 71.4

101 10.0 7.6 11.4

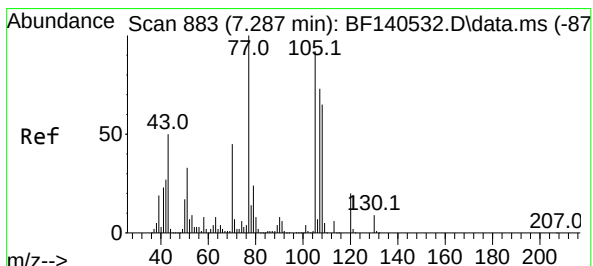
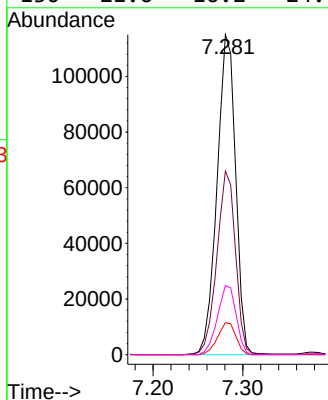
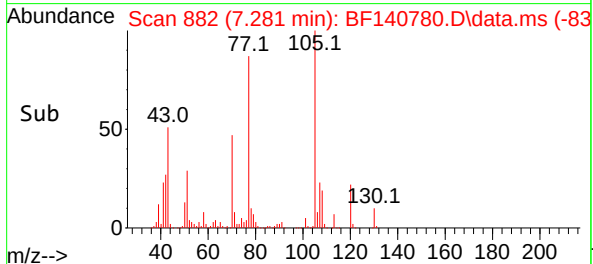
130 21.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#20

3+4-Methylphenols

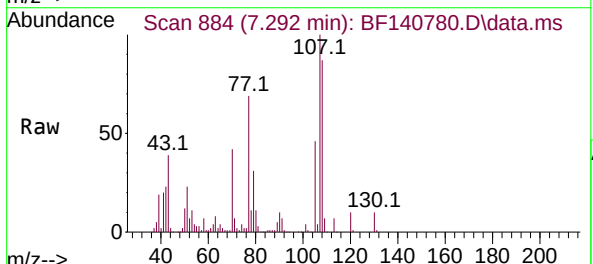
Concen: 53.130 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10



Tgt Ion:107 Resp: 240614

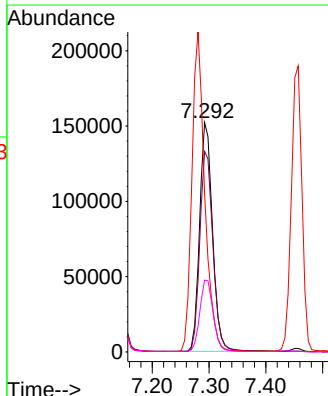
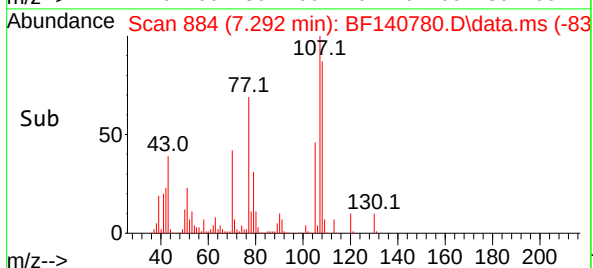
Ion Ratio Lower Upper

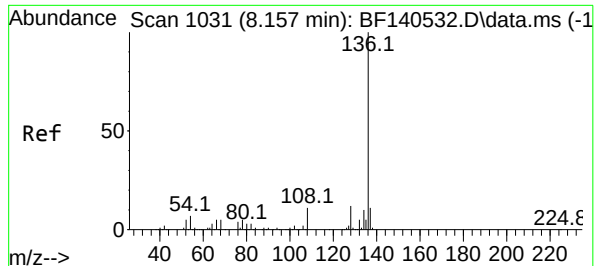
107 100

108 87.4 69.9 109.9

77 68.8 117.7 157.7#

79 31.3 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:136 Resp: 25822

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 6.8 5.8 8.8

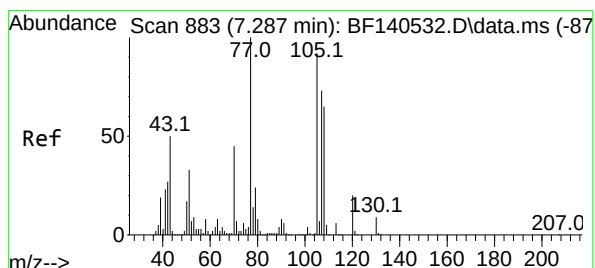
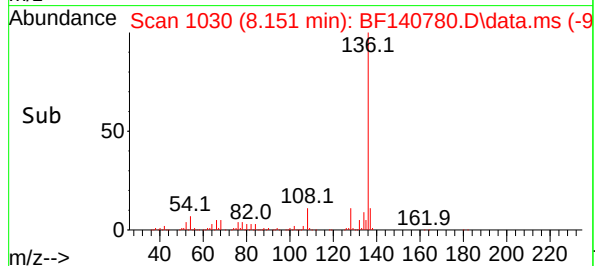
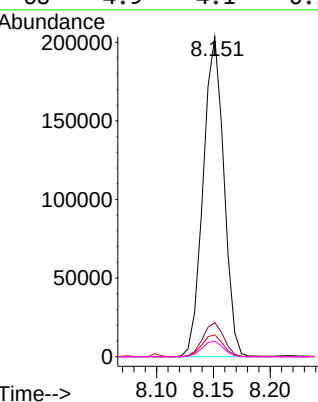
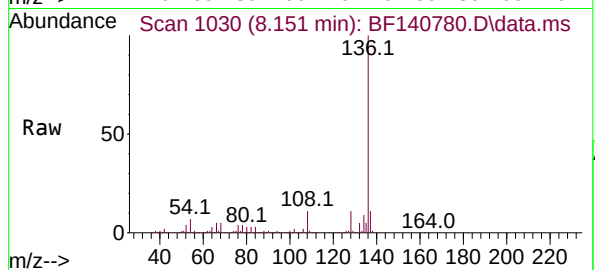
68 4.9 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#22

Acetophenone

Concen: 50.589 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Tgt Ion:105 Resp: 318476

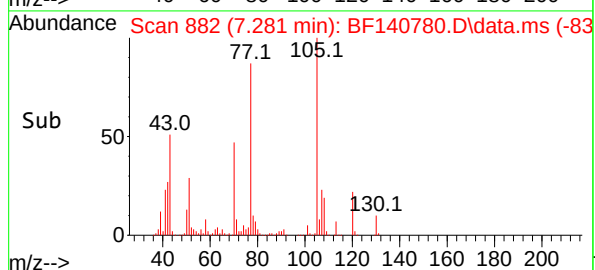
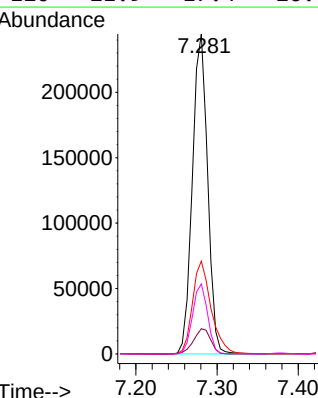
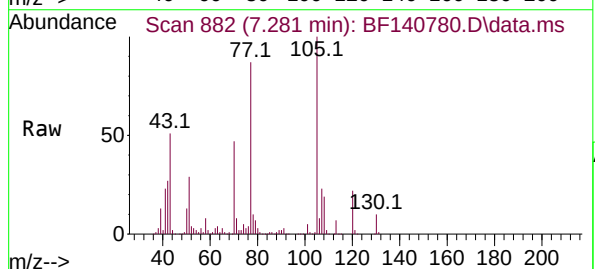
Ion Ratio Lower Upper

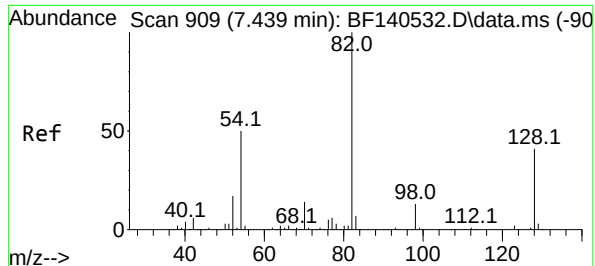
105 100

71 7.9 6.2 9.2

51 29.0 29.0 43.6#

120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 79.007 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion: 82 Resp: 39884

Ion Ratio Lower Upper

82 100

128 42.9 33.0 49.4

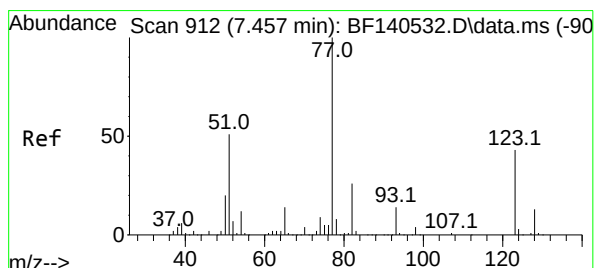
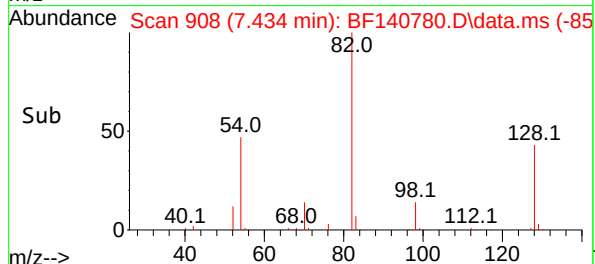
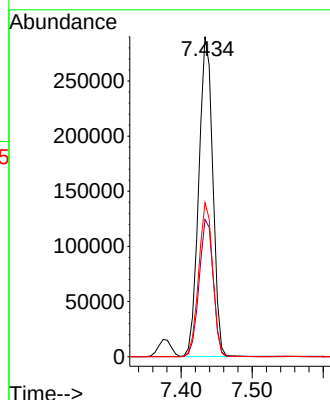
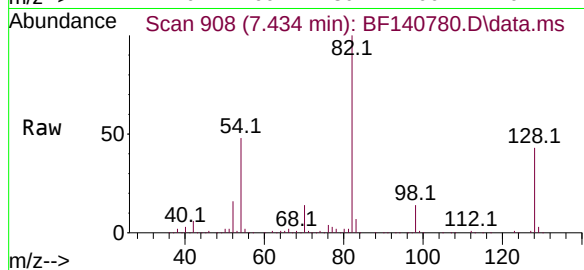
54 48.1 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#24

Nitrobenzene

Concen: 47.069 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

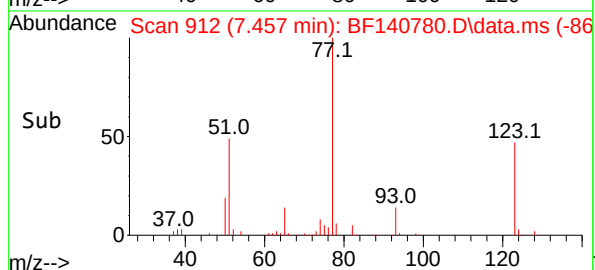
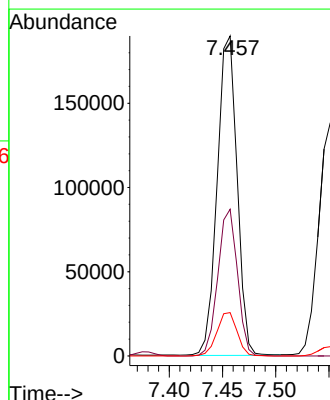
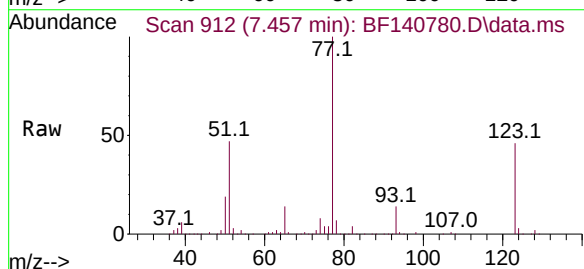
Tgt Ion: 77 Resp: 245585

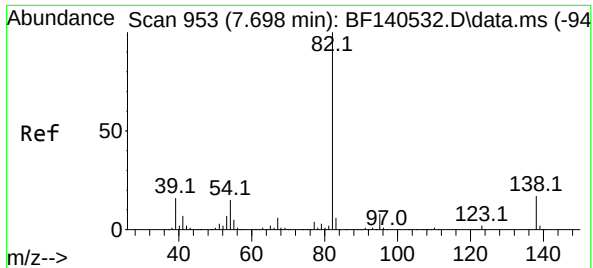
Ion Ratio Lower Upper

77 100

123 45.9 34.3 51.5

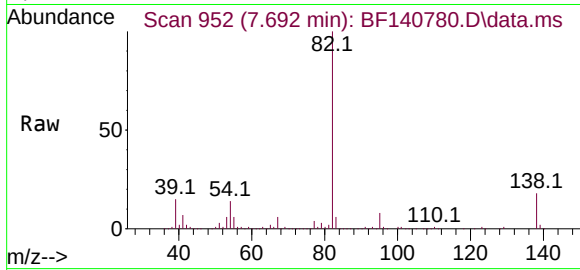
65 13.6 11.2 16.8





#25
Isophorone
Concen: 53.029 ng
RT: 7.692 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

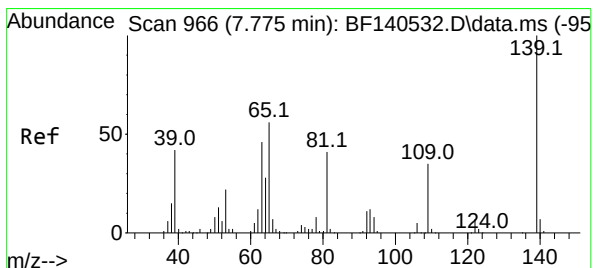
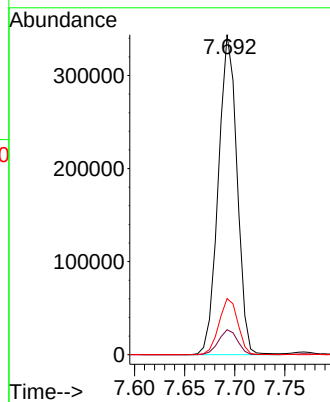
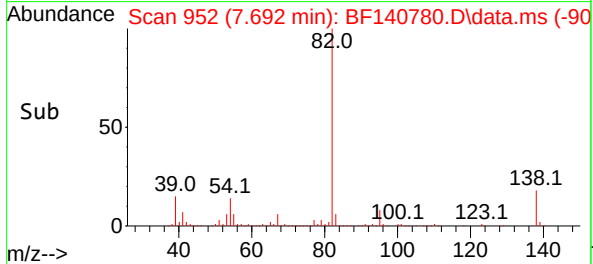
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion: 82 Resp: 446510
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.6 13.8 20.6

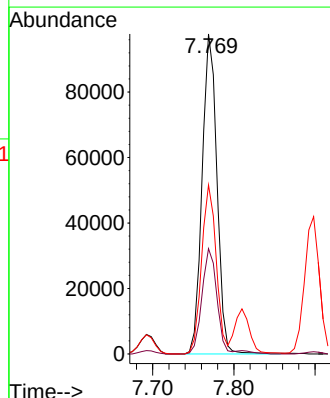
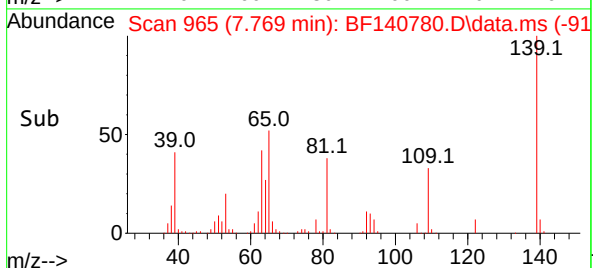
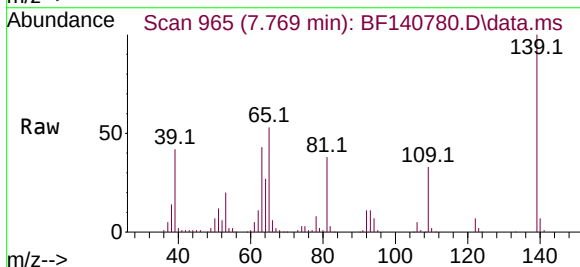
Manual Integrations
APPROVED

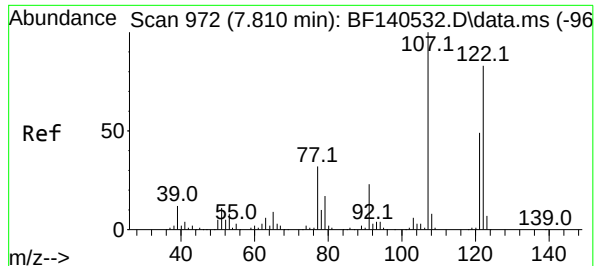
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#26
2-Nitrophenol
Concen: 53.592 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:139 Resp: 123914
Ion Ratio Lower Upper
139 100
109 32.9 28.0 42.0
65 52.8 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 65.202 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:122 Resp: 18038

Ion Ratio Lower Upper

122 100

107 120.1 96.8 145.2

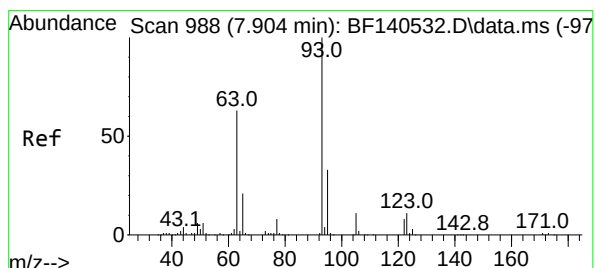
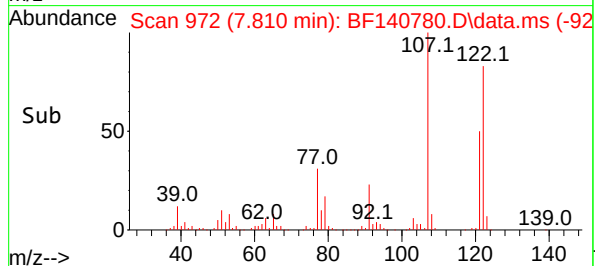
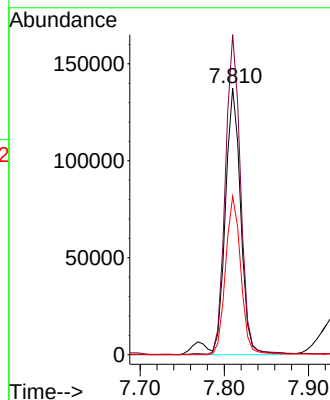
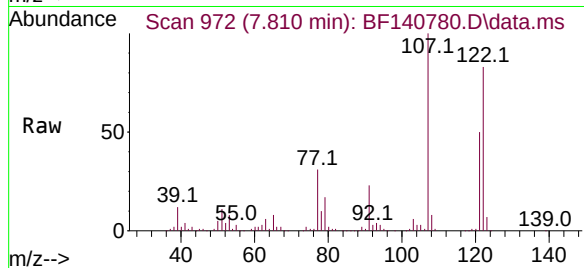
121 59.5 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#28

bis(2-Chloroethoxy)methane

Concen: 52.393 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

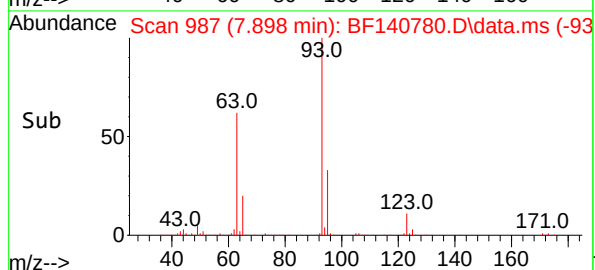
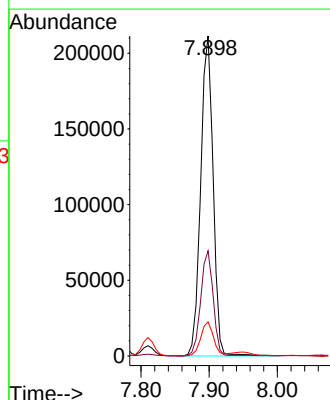
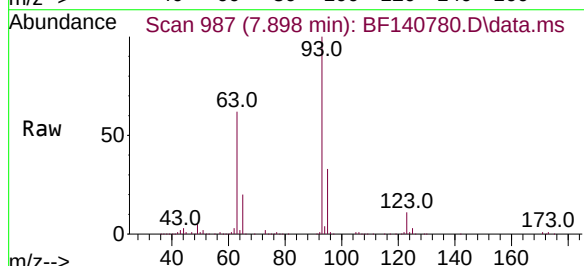
Tgt Ion: 93 Resp: 268753

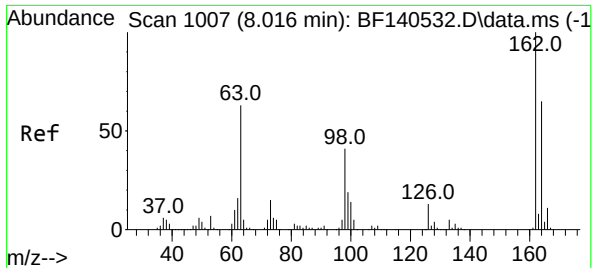
Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

123 10.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 52.574 ng

RT: 8.022 min Scan# 1007

Delta R.T. 0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:162 Resp: 19272

Ion Ratio Lower Upper

162 100

164 63.4 44.8 84.8

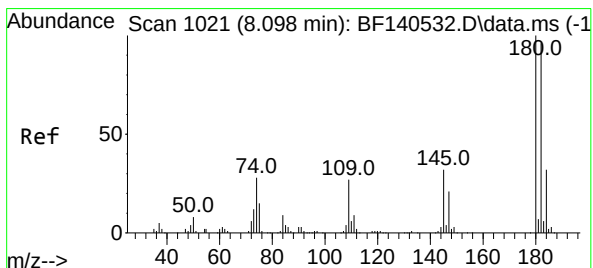
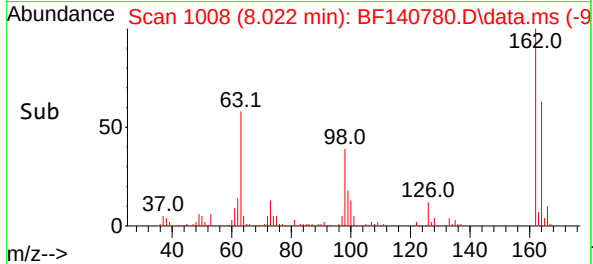
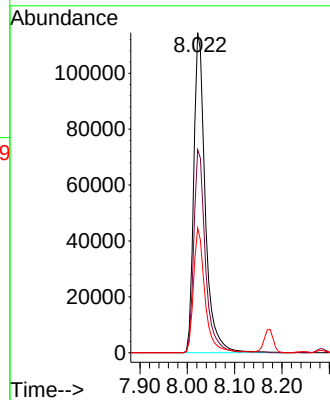
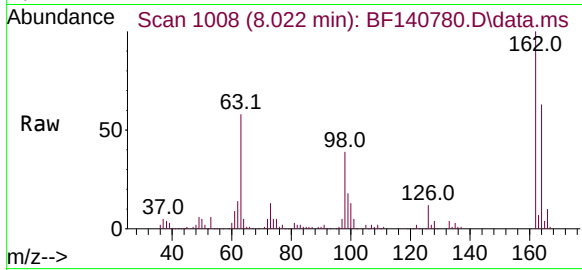
98 38.9 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#30

1,2,4-Trichlorobenzene

Concen: 48.998 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

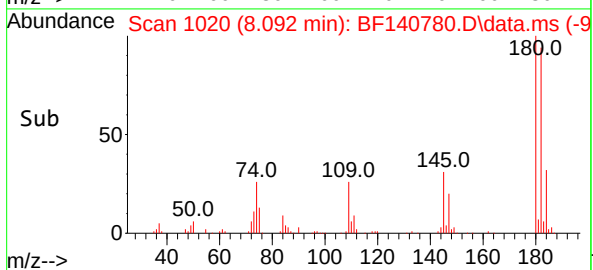
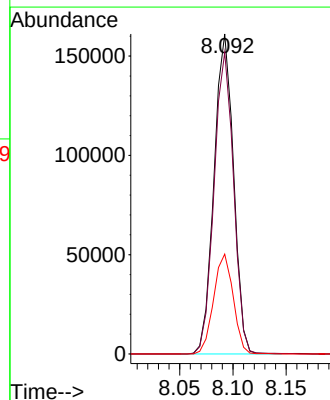
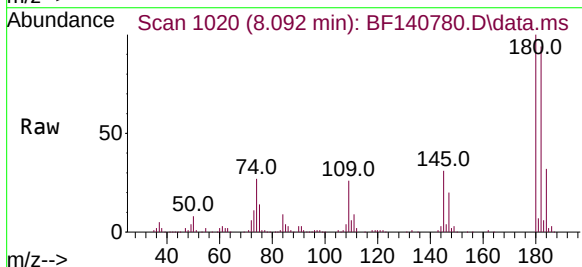
Tgt Ion:180 Resp: 205081

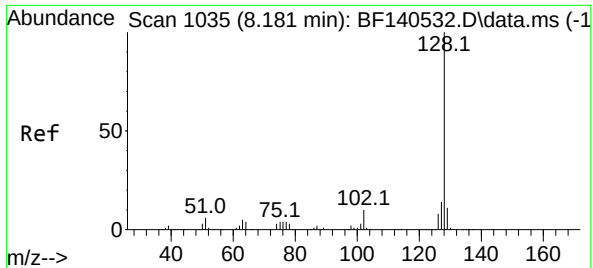
Ion Ratio Lower Upper

180 100

182 94.2 76.4 114.6

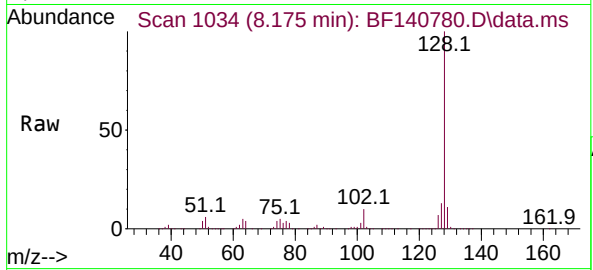
145 31.2 25.9 38.9





#31
Naphthalene
Concen: 53.805 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

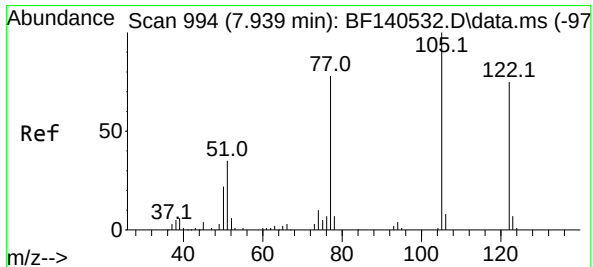
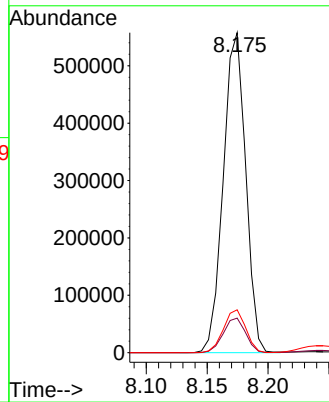
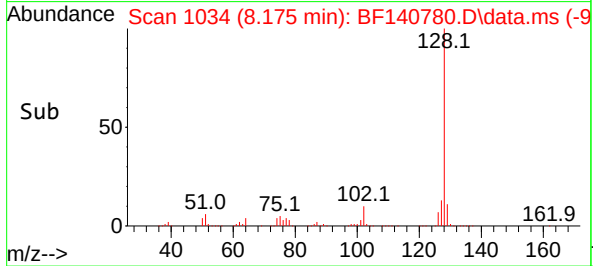
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:128 Resp: 71564
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.4 10.8 16.2

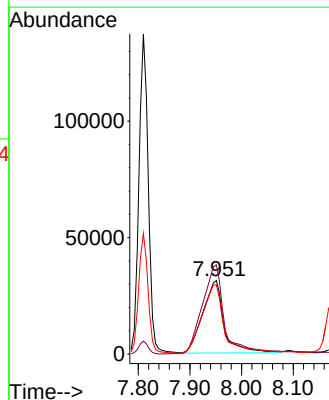
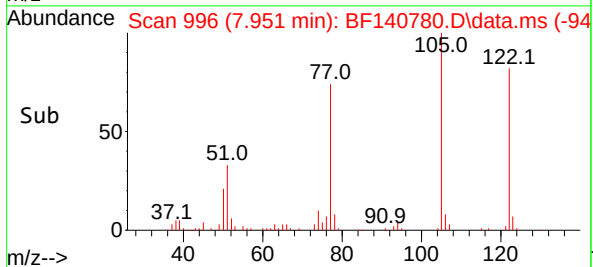
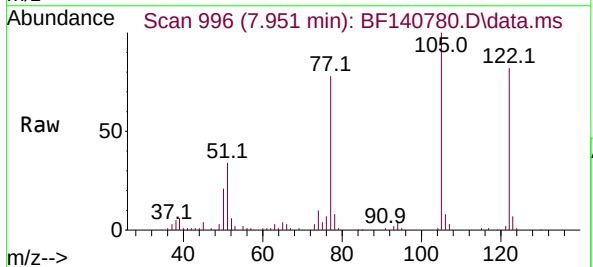
Manual Integrations
APPROVED

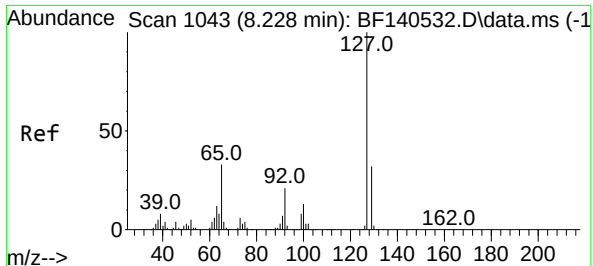
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#32
Benzoic acid
Concen: 38.732 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.012 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:122 Resp: 89314
Ion Ratio Lower Upper
122 100
105 121.3 109.3 149.3
77 94.1 82.3 122.3





#33

4-Chloroaniline

Concen: 9.805 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

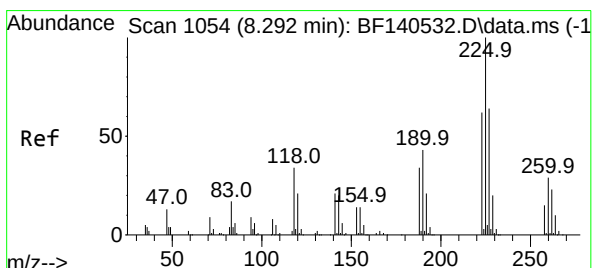
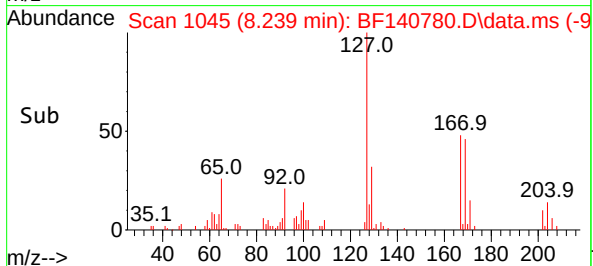
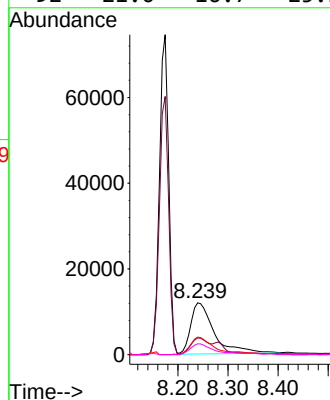
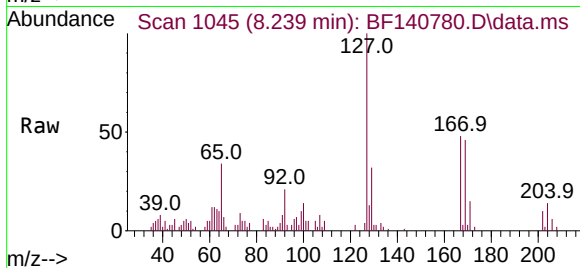
Tgt Ion:	127	Resp:	3904
Ion Ratio	Lower	Upper	
127	100		
129	32.1	26.0	39.0
65	33.9	26.0	39.0
92	21.0	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#34

Hexachlorobutadiene

Concen: 51.215 ng

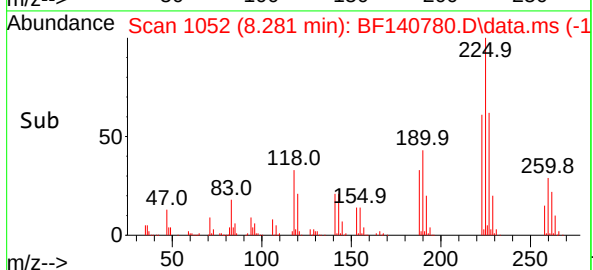
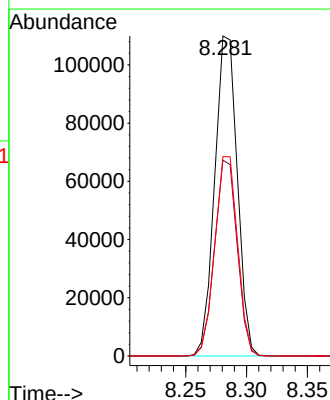
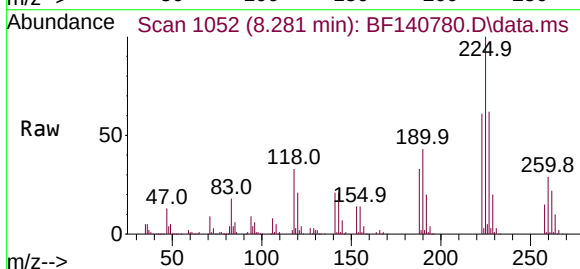
RT: 8.281 min Scan# 1052

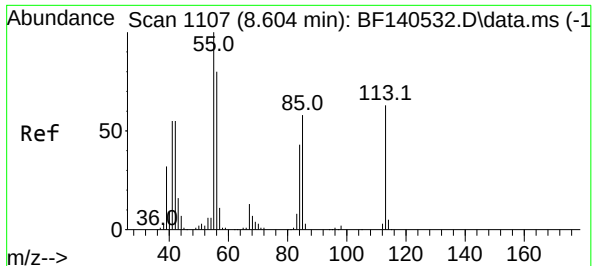
Delta R.T. -0.012 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Tgt Ion:	225	Resp:	141982
Ion Ratio	Lower	Upper	
225	100		
223	61.2	49.8	74.8
227	62.3	51.3	76.9





#35

Caprolactam

Concen: 51.108 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:113 Resp: 57979

Ion Ratio Lower Upper

113 100

55 153.2 137.7 177.7

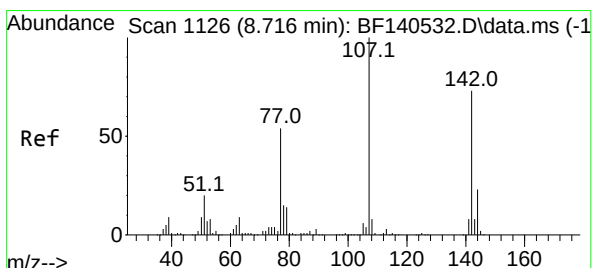
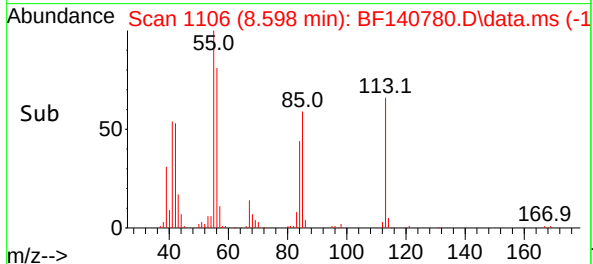
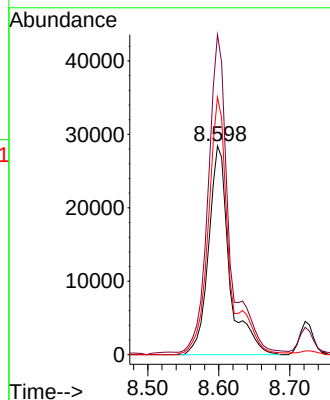
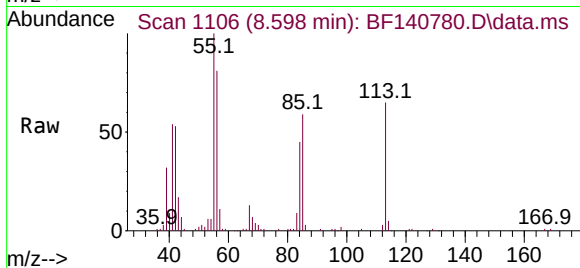
56 123.4 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#36

4-Chloro-3-methylphenol

Concen: 49.301 ng

RT: 8.722 min Scan# 1127

Delta R.T. 0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

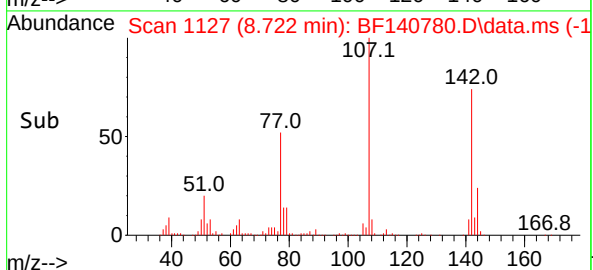
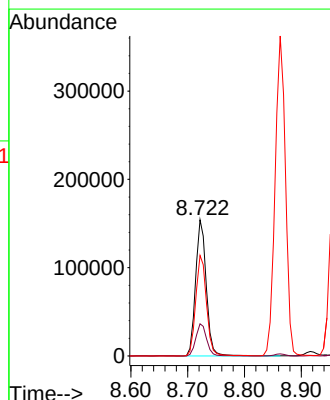
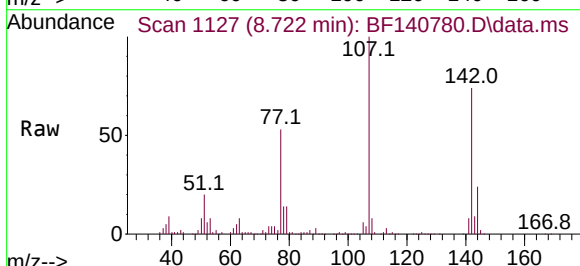
Tgt Ion:107 Resp: 202348

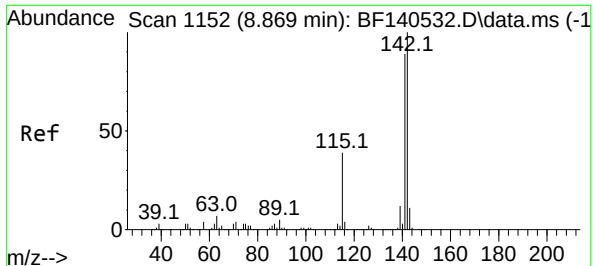
Ion Ratio Lower Upper

107 100

144 23.6 18.7 28.1

142 73.8 58.3 87.5





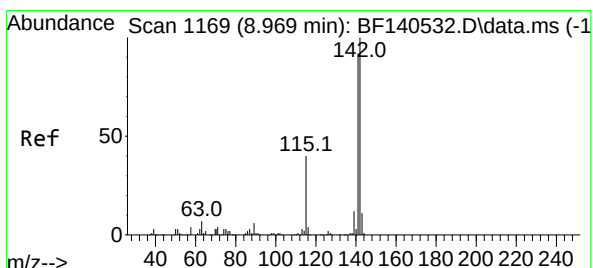
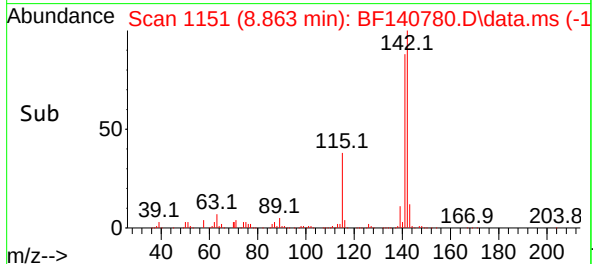
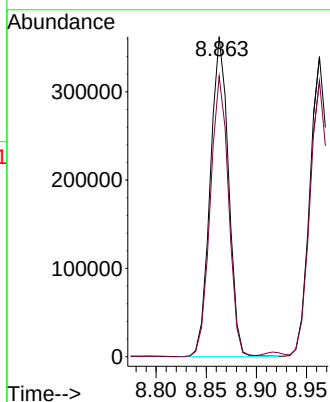
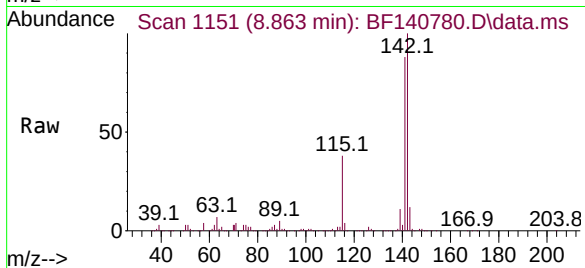
#37
2-Methylnaphthalene
Concen: 54.209 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Tgt Ion:142 Resp: 457950
Ion Ratio Lower Upper
142 100
141 87.6 71.0 106.6

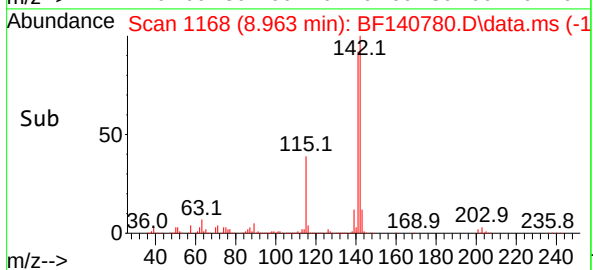
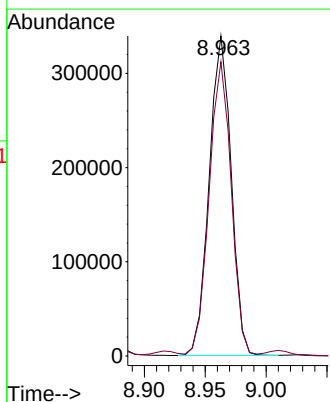
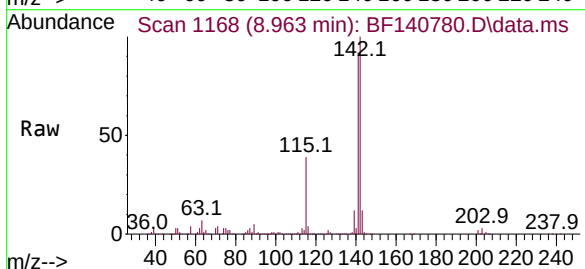
Manual Integrations
APPROVED

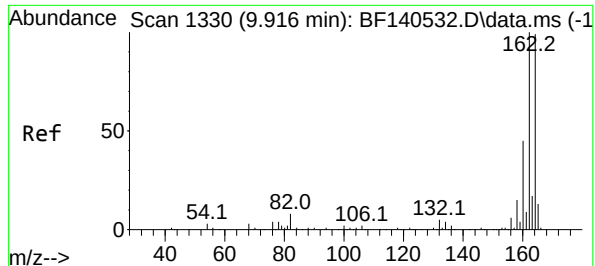
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#38
1-Methylnaphthalene
Concen: 51.512 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:142 Resp: 426554
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF140780.D

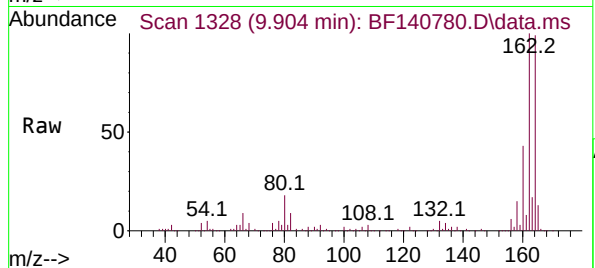
Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS



Tgt Ion:164 Resp: 131159

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

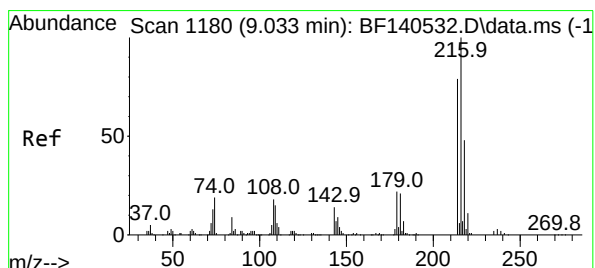
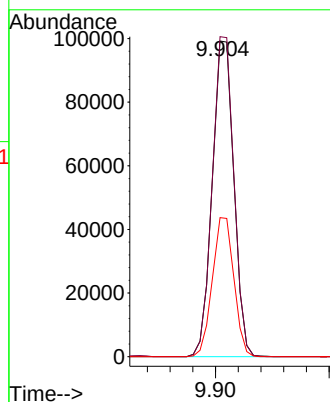
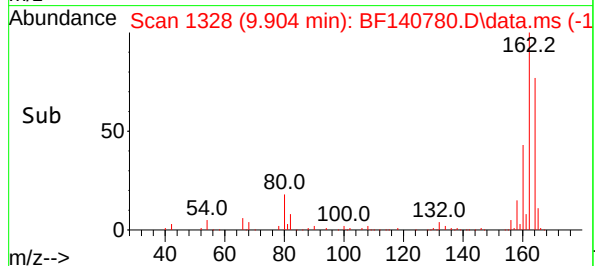
160 44.0 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#40

1,2,4,5-Tetrachlorobenzene

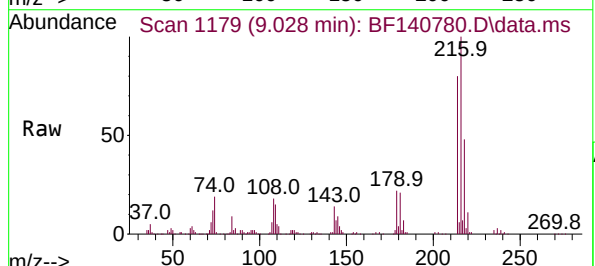
Concen: 54.988 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10



Tgt Ion:216 Resp: 211135

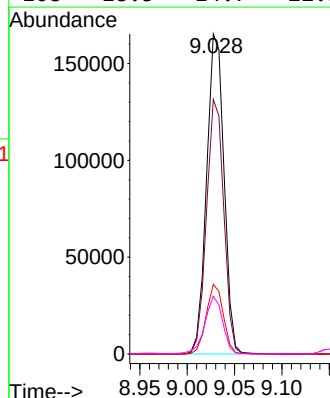
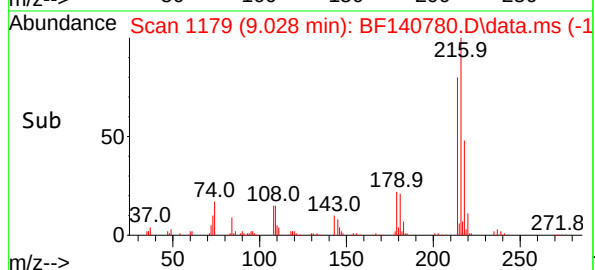
Ion Ratio Lower Upper

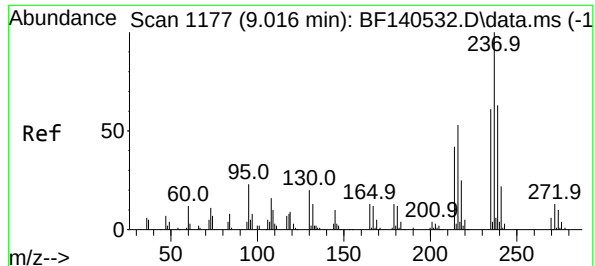
216 100

214 79.0 63.0 94.4

179 21.4 17.5 26.3

108 18.5 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 65.957 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:237 Resp: 55710

Ion Ratio Lower Upper

237 100

235 63.0 41.1 81.1

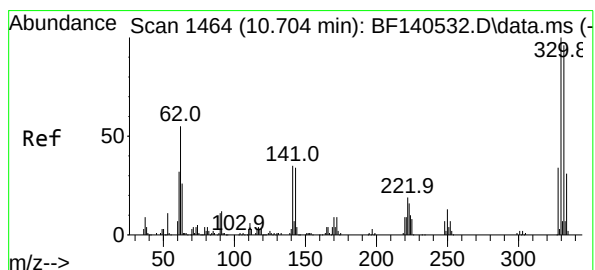
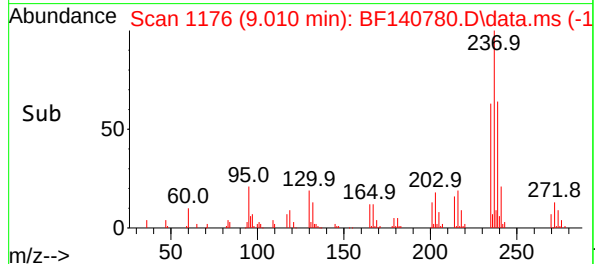
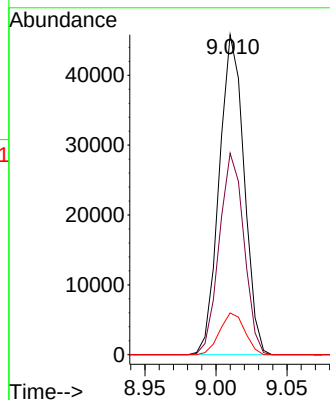
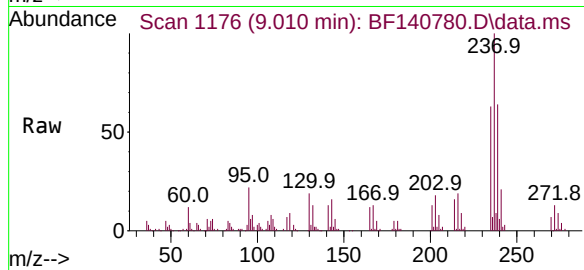
272 13.0 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#42

2,4,6-Tribromophenol

Concen: 109.562 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

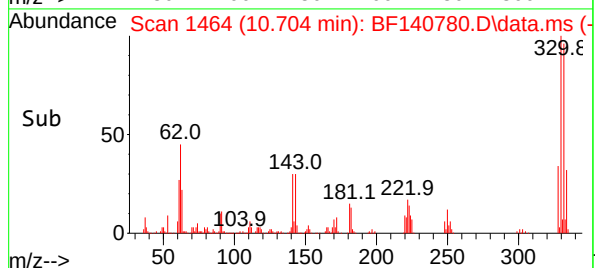
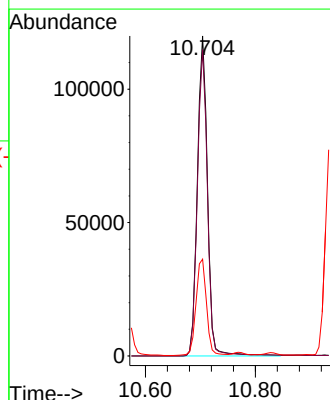
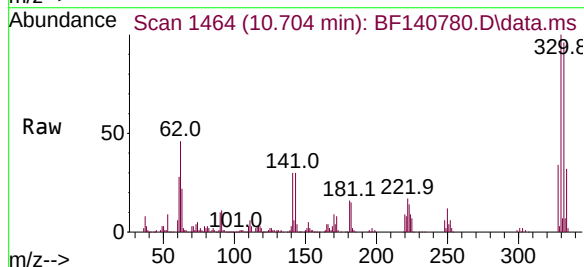
Tgt Ion:330 Resp: 153689

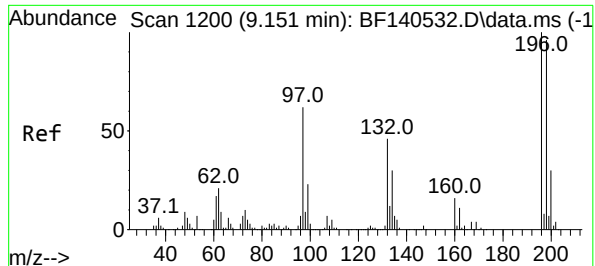
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 31.1 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 54.427 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:196 Resp: 131134

Ion Ratio Lower Upper

196 100

198 94.2 76.8 115.2

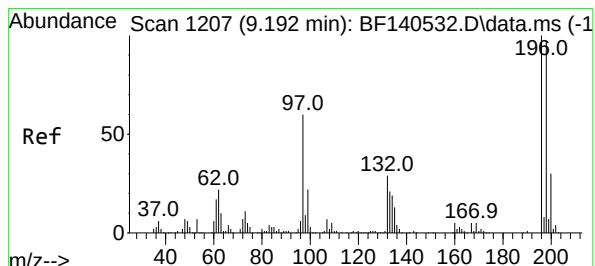
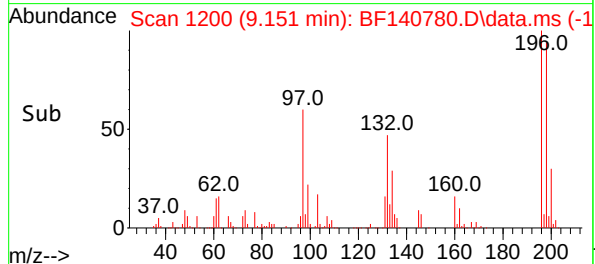
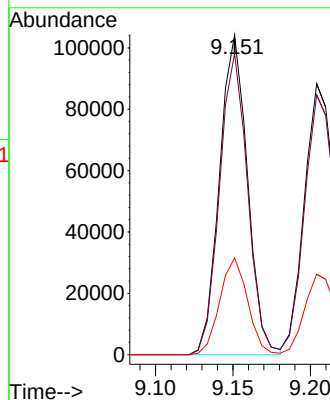
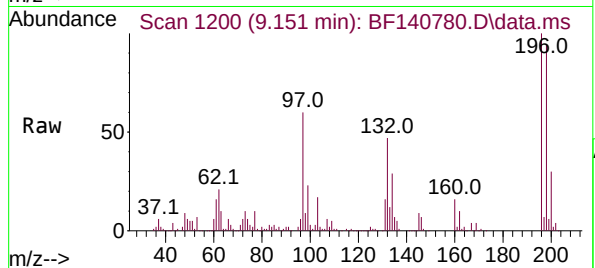
200 30.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#44

2,4,5-Trichlorophenol

Concen: 50.339 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.012 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Tgt Ion:196 Resp: 131630

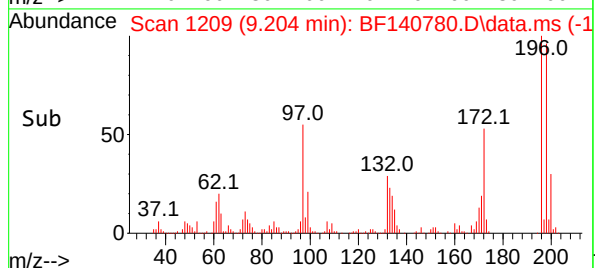
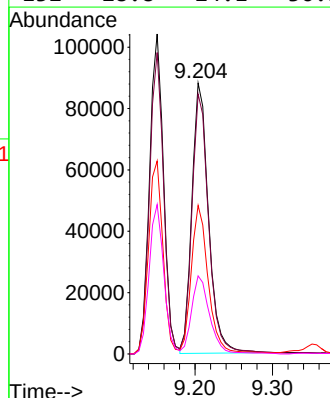
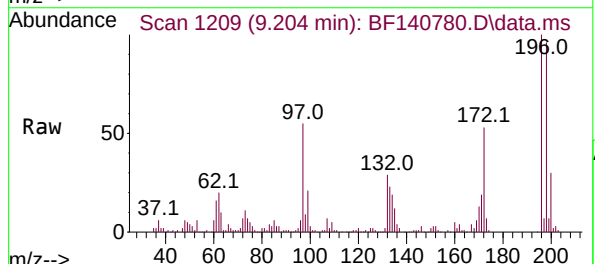
Ion Ratio Lower Upper

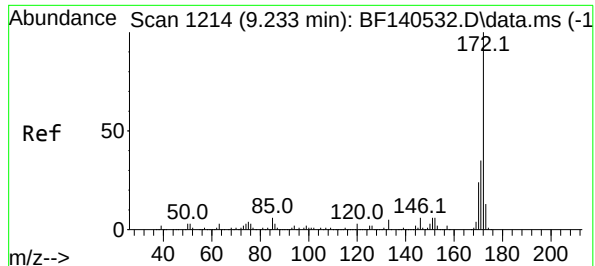
196 100

198 95.9 77.2 115.8

97 54.8 47.1 70.7

132 28.8 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 83.995 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:172 Resp: 739404

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

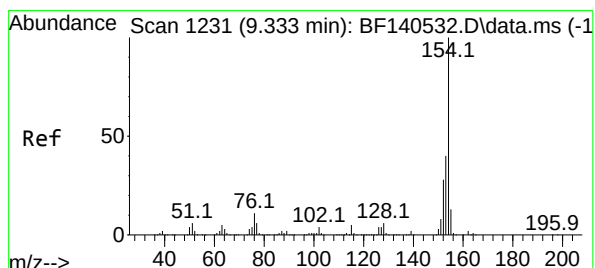
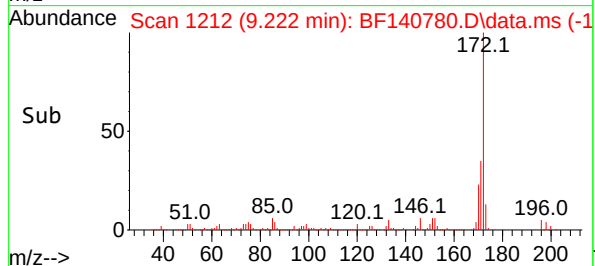
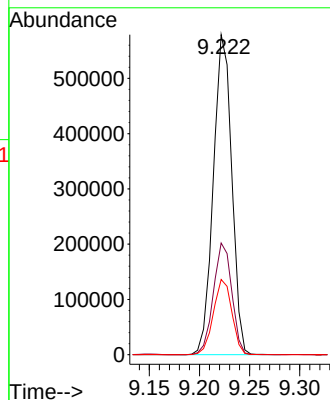
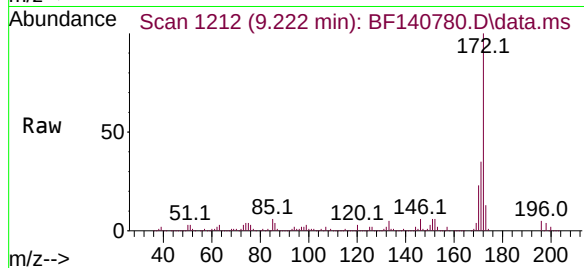
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#46

1,1'-Biphenyl

Concen: 55.186 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

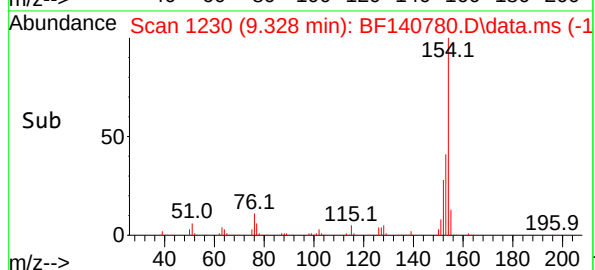
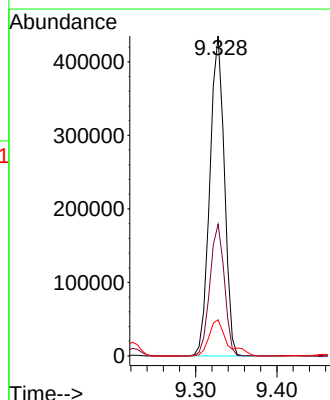
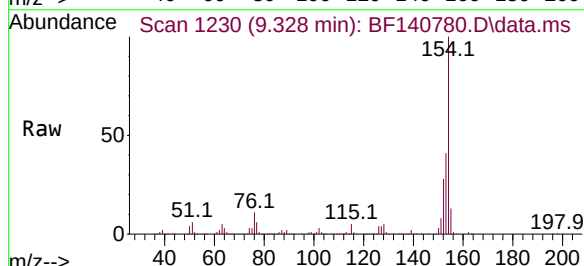
Tgt Ion:154 Resp: 540409

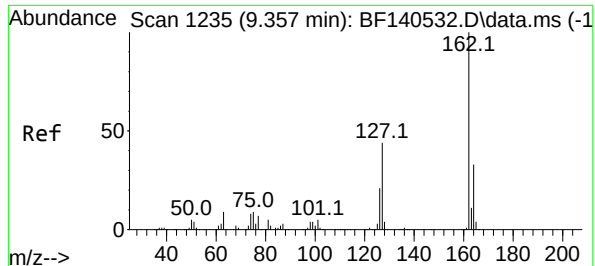
Ion Ratio Lower Upper

154 100

153 41.2 20.4 60.4

76 11.3 0.0 31.2





#47

2-Chloronaphthalene

Concen: 53.381 ng

RT: 9.351 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:162 Resp: 39608

Ion Ratio Lower Upper

162 100

127 43.8 35.7 53.5

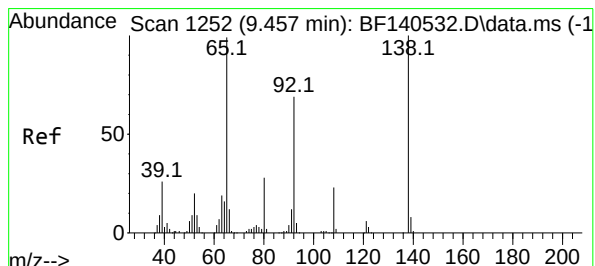
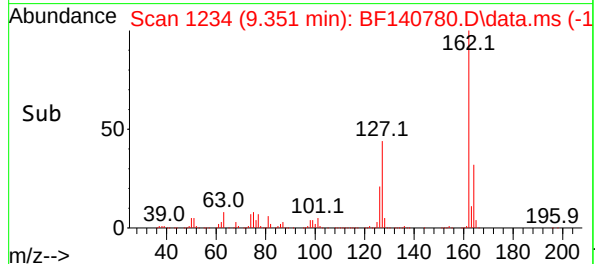
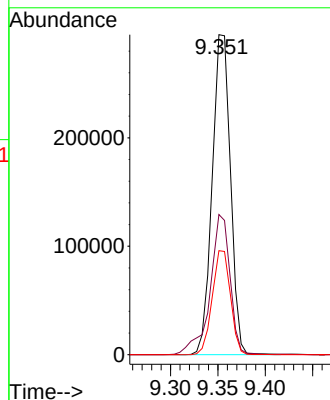
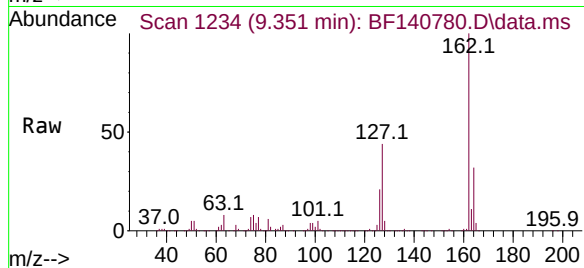
164 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#48

2-Nitroaniline

Concen: 50.875 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

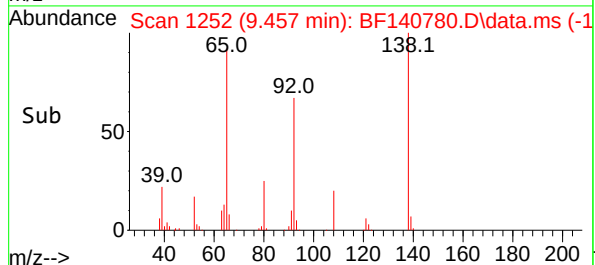
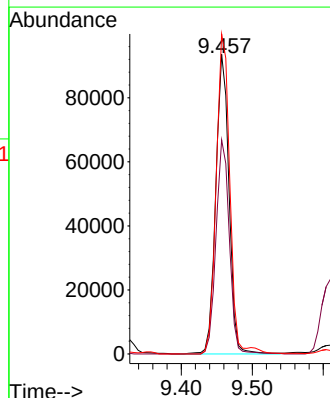
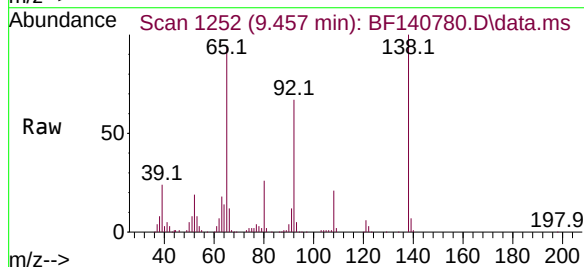
Tgt Ion: 65 Resp: 121168

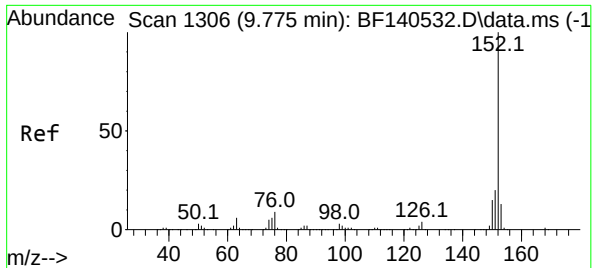
Ion Ratio Lower Upper

65 100

92 71.4 56.1 84.1

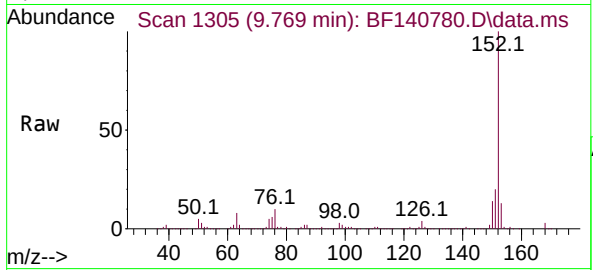
138 106.8 81.0 121.6





#49
Acenaphthylene
Concen: 58.105 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

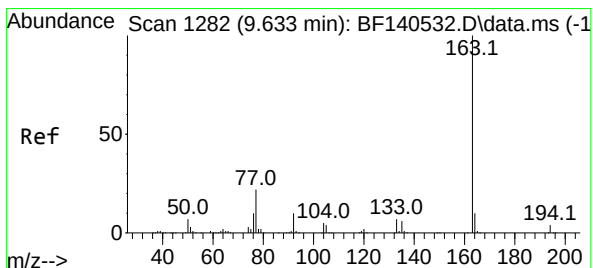
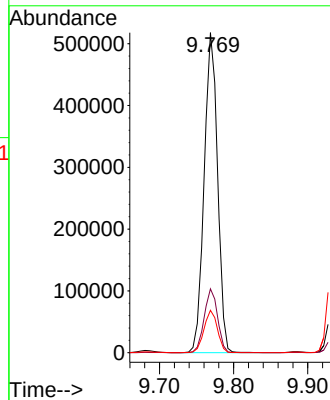
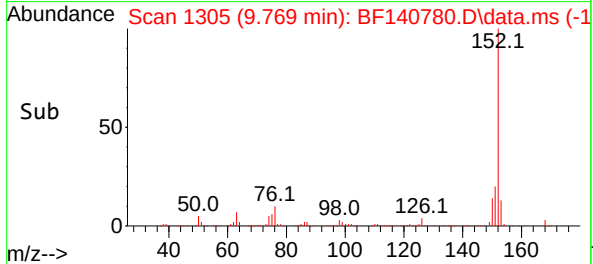
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:152 Resp: 651419
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.3 10.6 16.0

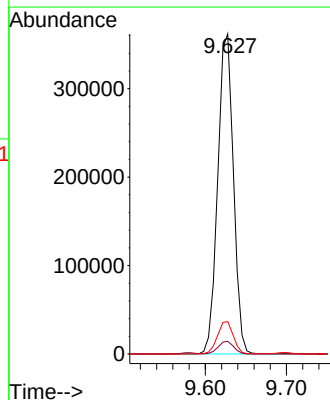
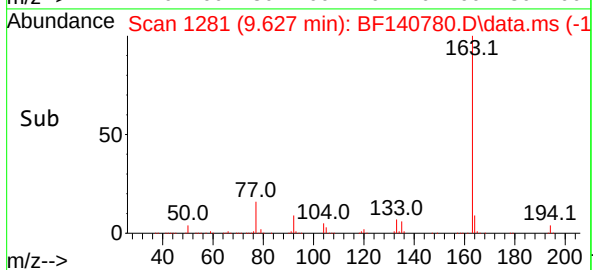
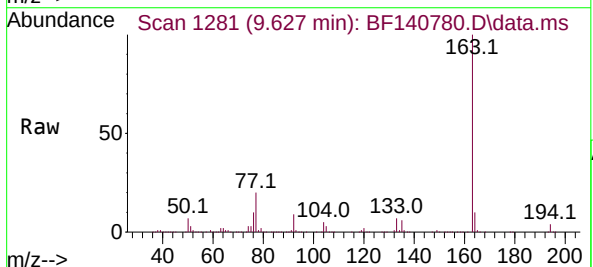
Manual Integrations
APPROVED

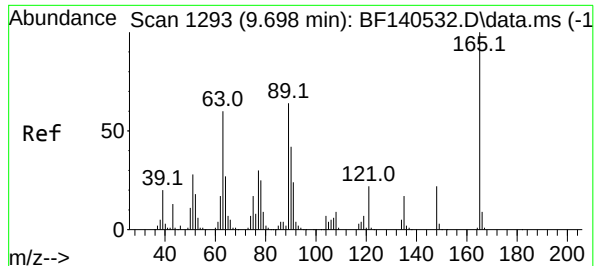
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#50
Dimethylphthalate
Concen: 56.354 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

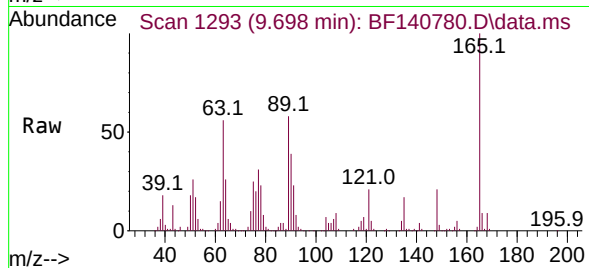
Tgt Ion:163 Resp: 486793
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 51.295 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

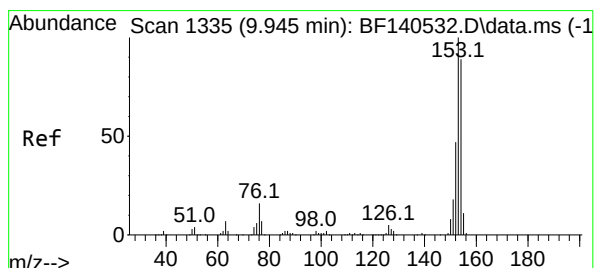
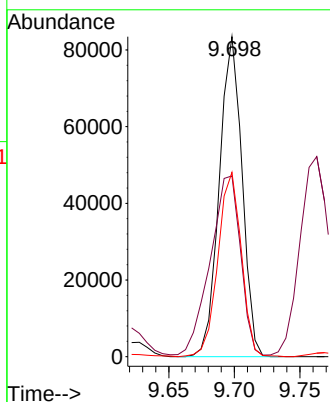
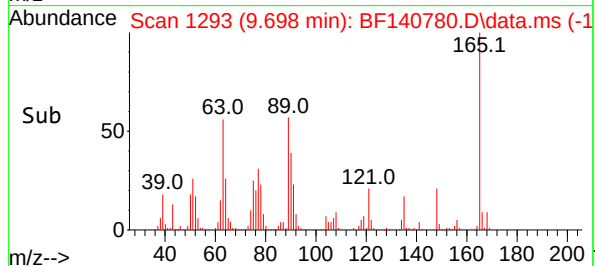
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:165 Resp: 10049
Ion Ratio Lower Upper
165 100
63 56.5 49.9 74.9
89 57.6 50.9 76.3

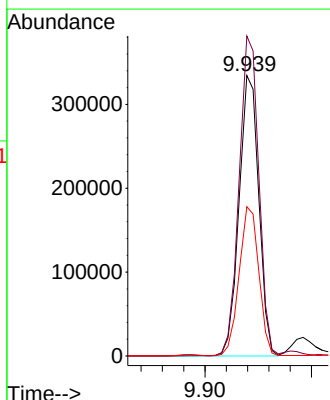
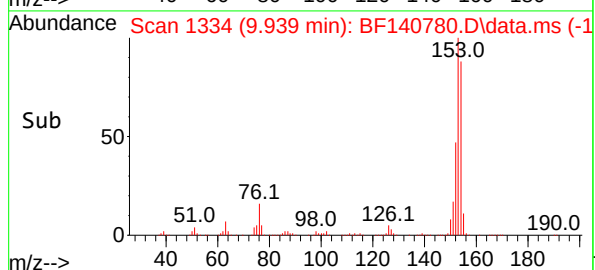
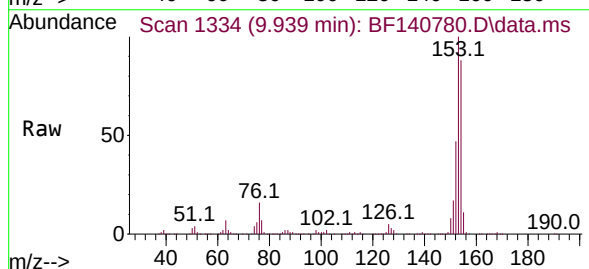
Manual Integrations
APPROVED

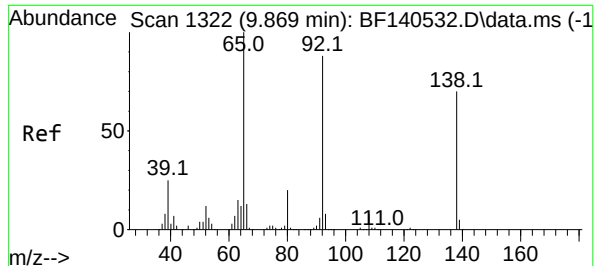
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#52
Acenaphthene
Concen: 60.509 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:154 Resp: 431031
Ion Ratio Lower Upper
154 100
153 114.1 89.7 134.5
152 53.2 42.5 63.7





#53

3-Nitroaniline

Concen: 31.883 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:138 Resp: 61090

Ion Ratio Lower Upper

138 100

108 11.4 9.2 13.8

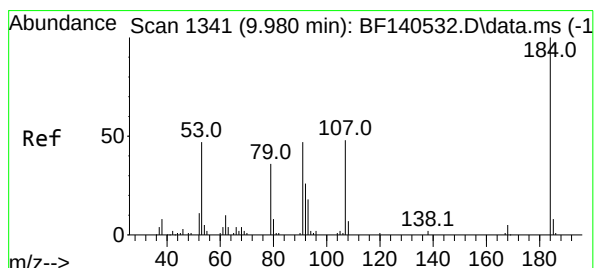
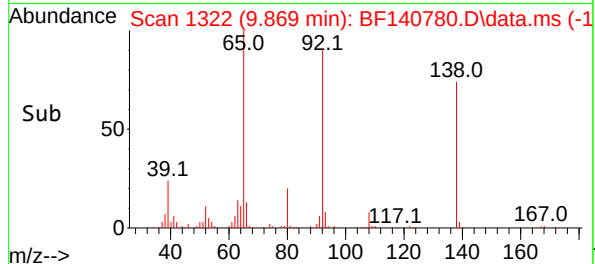
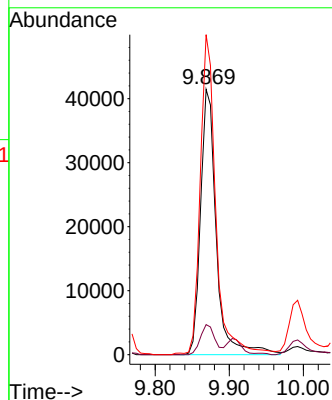
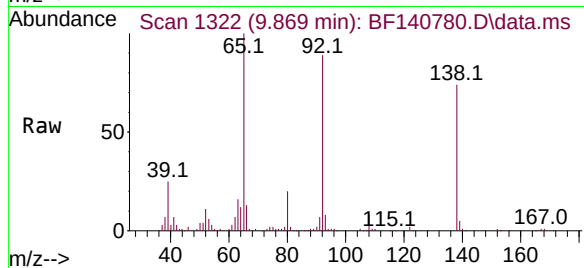
92 120.6 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#54

2,4-Dinitrophenol

Concen: 56.139 ng

RT: 9.992 min Scan# 1343

Delta R.T. 0.012 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

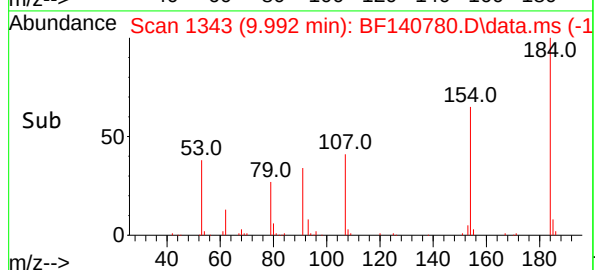
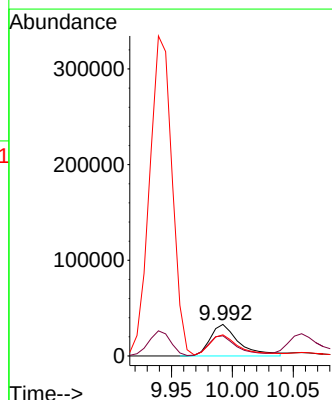
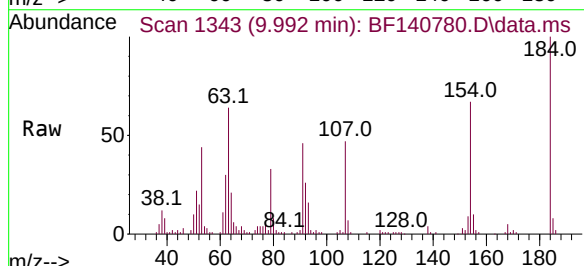
Tgt Ion:184 Resp: 54335

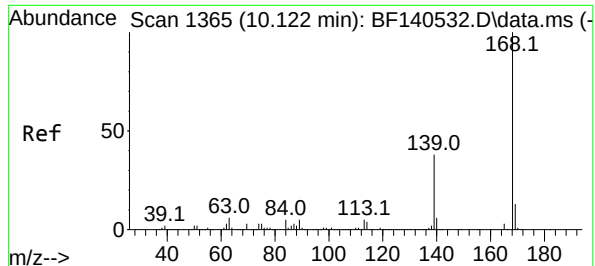
Ion Ratio Lower Upper

184 100

63 64.1 54.1 81.1

154 67.4 57.4 86.0





#55

Dibenzenofuran

Concen: 56.547 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:168 Resp: 614414

Ion Ratio Lower Upper

168 100

139 39.4 31.3 46.9

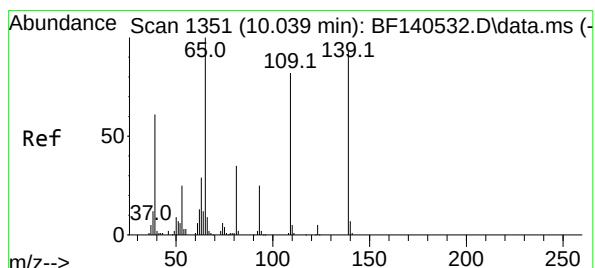
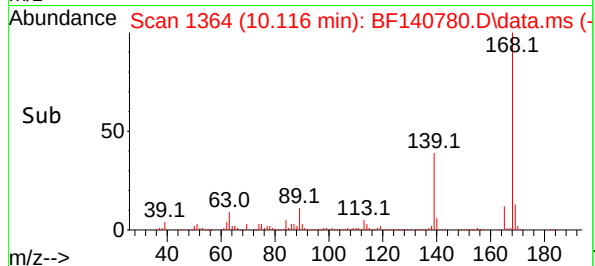
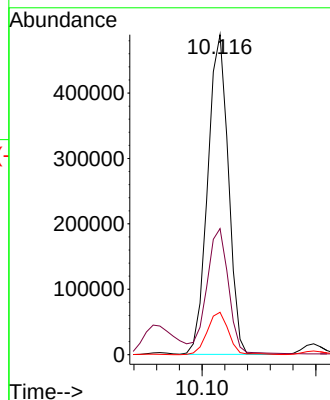
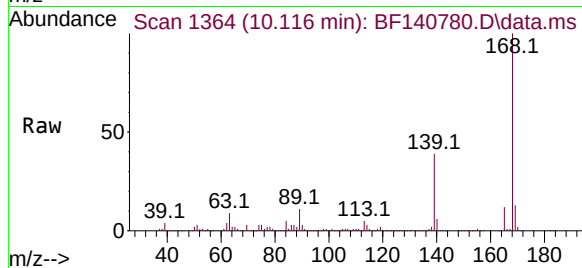
169 13.3 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#56

4-Nitrophenol

Concen: 66.599 ng

RT: 10.057 min Scan# 1354

Delta R.T. 0.018 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

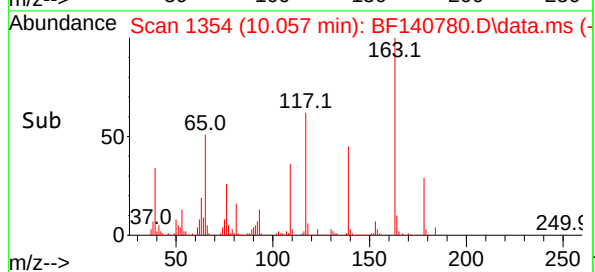
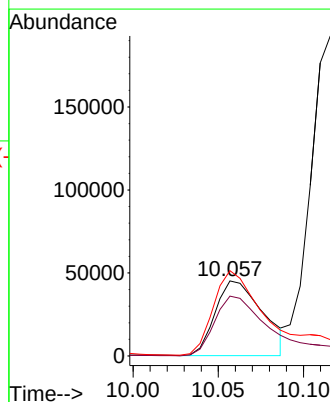
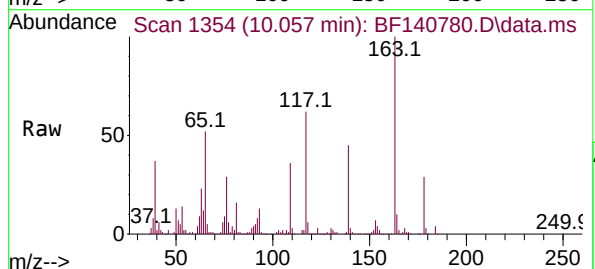
Tgt Ion:139 Resp: 87028

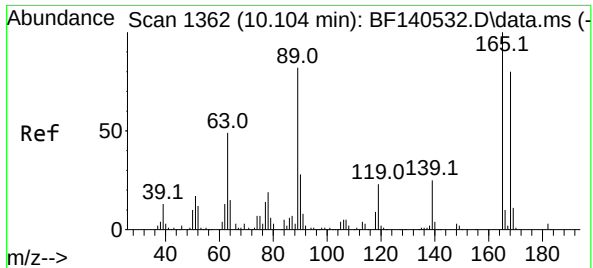
Ion Ratio Lower Upper

139 100

109 79.8 68.4 108.4

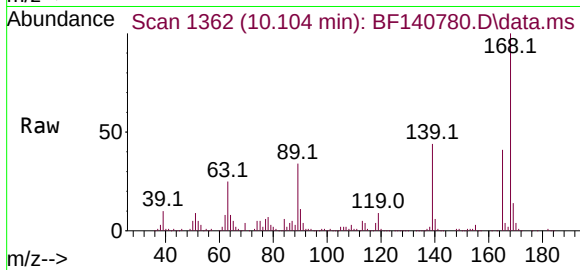
65 113.5 88.6 128.6





#57
2,4-Dinitrotoluene
Concen: 48.552 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

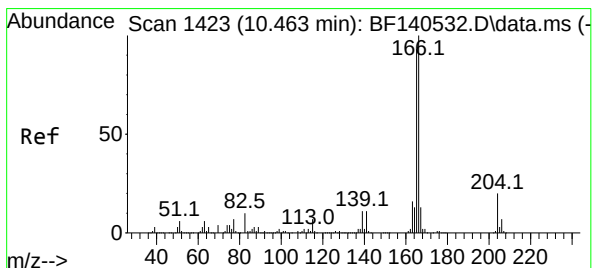
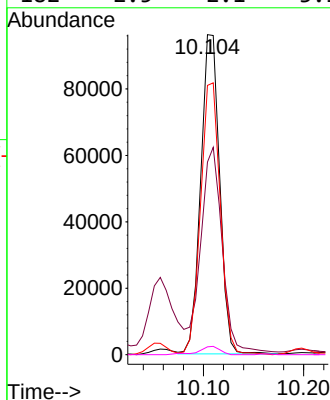
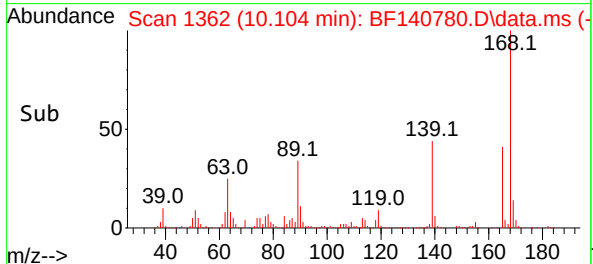
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



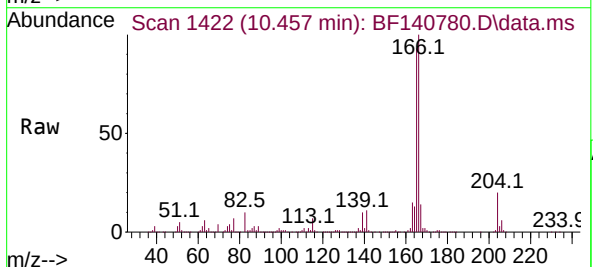
Tgt Ion:165 Resp: 126412
Ion Ratio Lower Upper
165 100
63 60.2 41.7 62.5
89 84.2 65.8 98.8
182 2.5 2.1 3.1

Manual Integrations
APPROVED

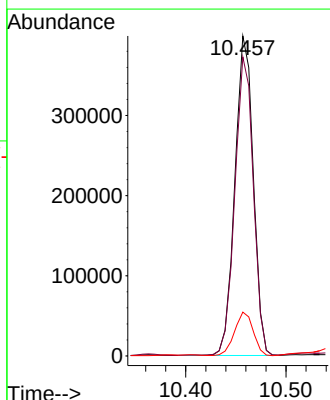
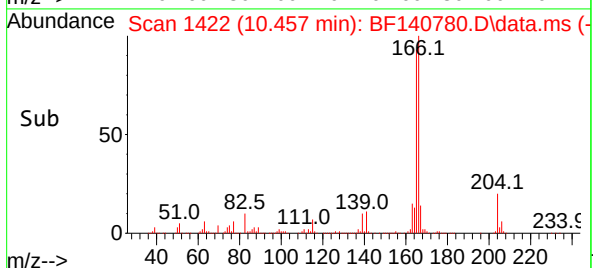
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

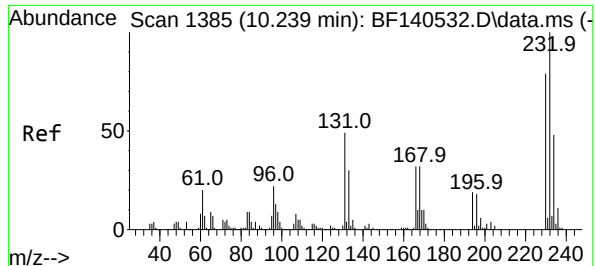


#58
Fluorene
Concen: 58.324 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



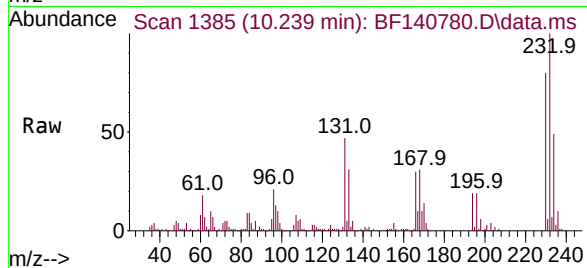
Tgt Ion:166 Resp: 508665
Ion Ratio Lower Upper
166 100
165 93.5 74.6 111.8
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.811 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

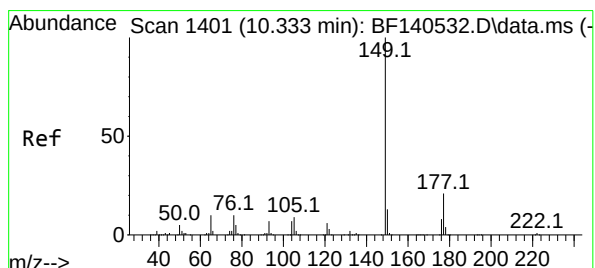
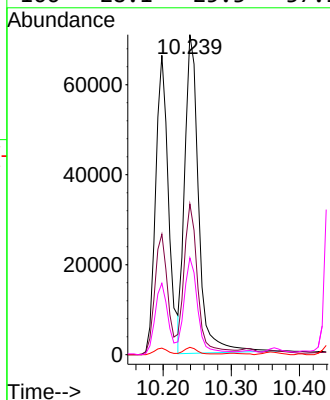
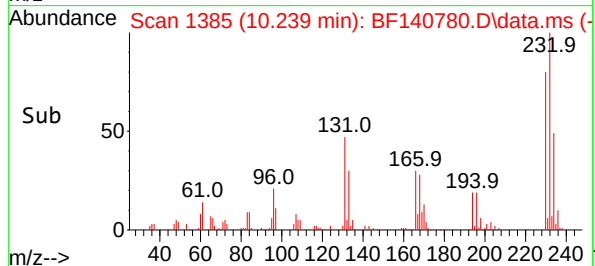
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



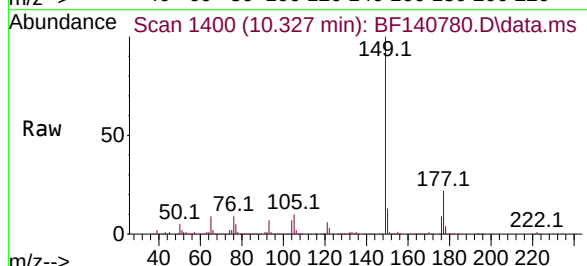
Tgt Ion:232 Resp: 10010
Ion Ratio Lower Upper
232 100
131 44.3 39.6 59.4
130 2.5 1.9 2.9
166 28.1 25.3 37.9

Manual Integrations
APPROVED

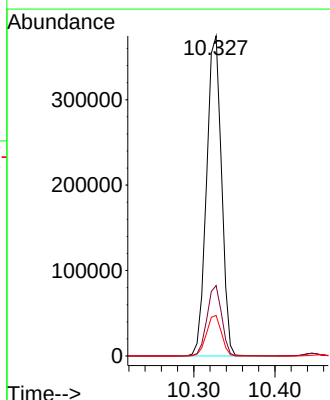
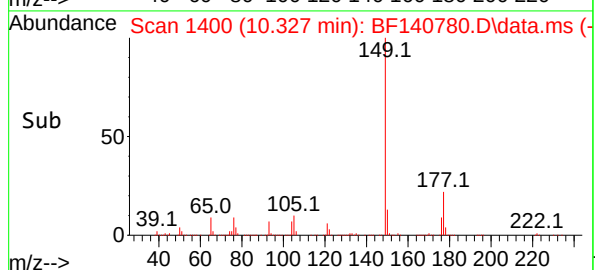
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

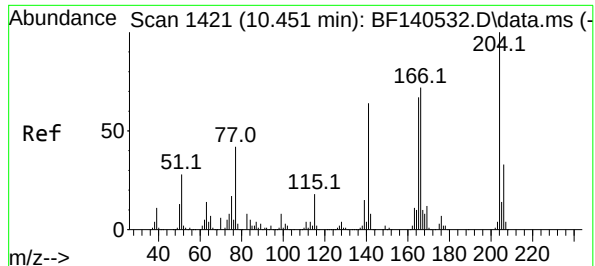


#60
Diethylphthalate
Concen: 54.416 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



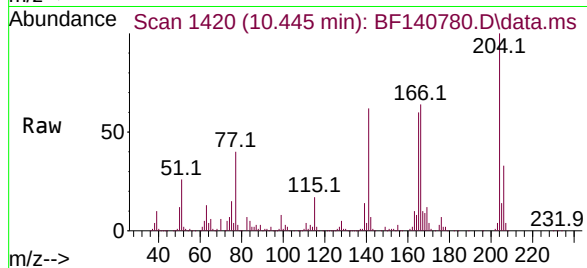
Tgt Ion:149 Resp: 477581
Ion Ratio Lower Upper
149 100
177 22.0 17.1 25.7
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 52.514 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

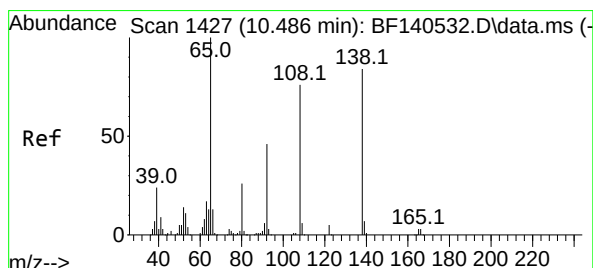
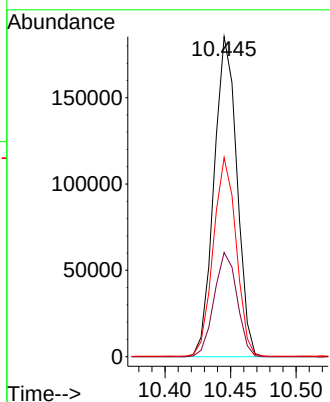
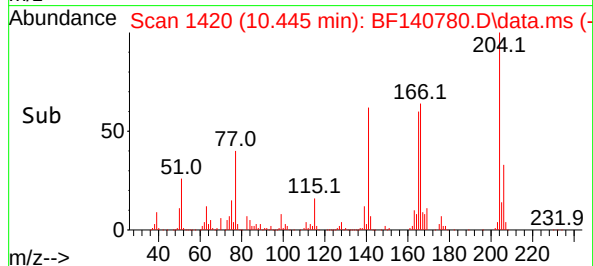
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:204 Resp: 224764
Ion Ratio Lower Upper
204 100
206 32.5 26.6 40.0
141 62.2 51.1 76.7

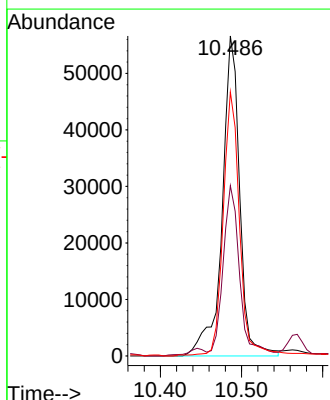
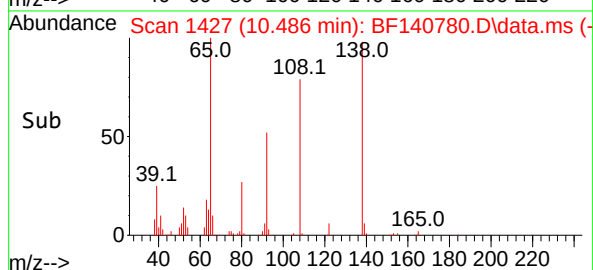
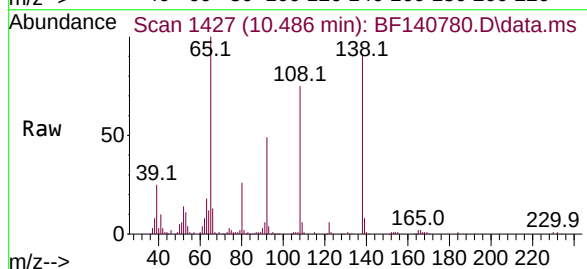
Manual Integrations
APPROVED

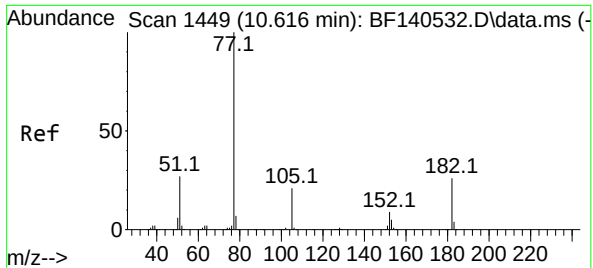
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#62
4-Nitroaniline
Concen: 42.484 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

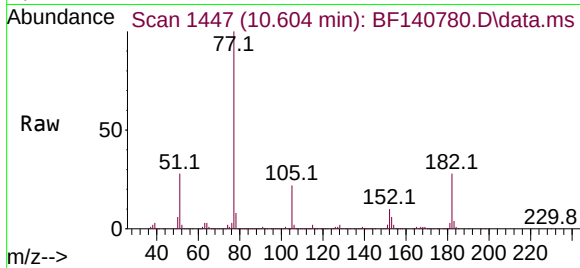
Tgt Ion:138 Resp: 85376
Ion Ratio Lower Upper
138 100
92 53.2 34.5 74.5
108 82.5 70.6 110.6





#63
Azobenzene
Concen: 54.754 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

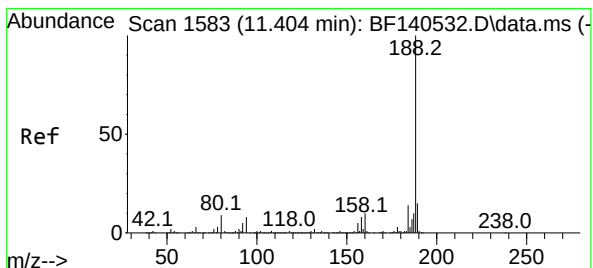
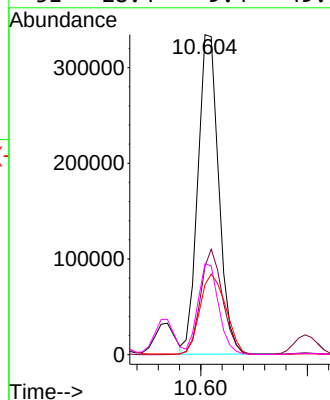
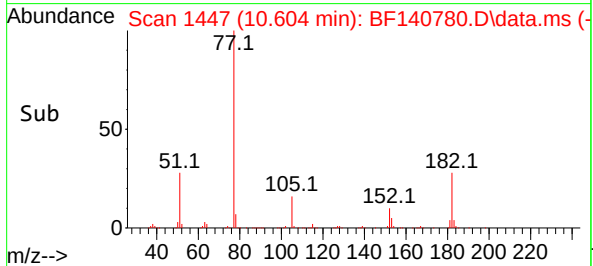
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



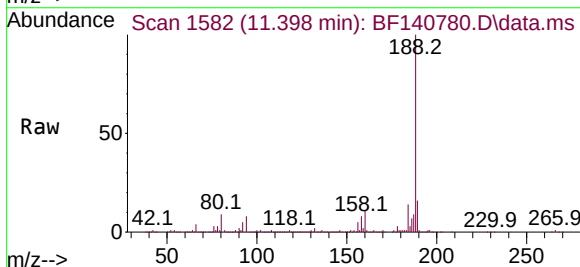
Tgt Ion: 77 Resp: 455072
Ion Ratio Lower Upper
77 100
182 27.6 5.3 45.3
105 21.9 0.3 40.3
51 28.4 9.4 49.4

Manual Integrations
APPROVED

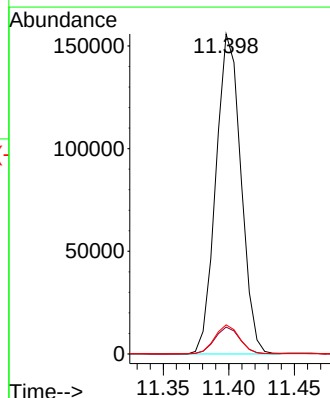
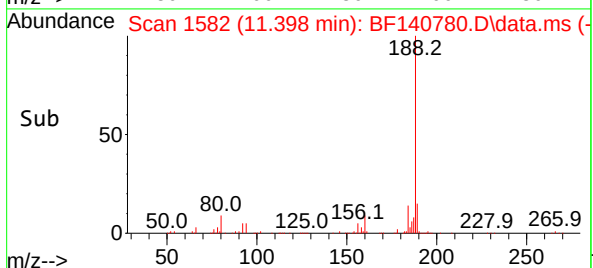
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

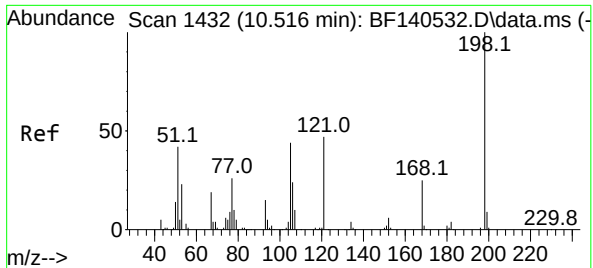


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



Tgt Ion:188 Resp: 206862
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 9.1 6.9 10.3





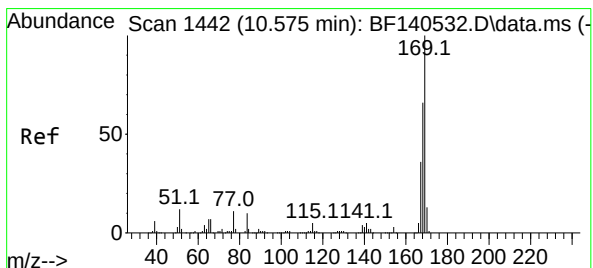
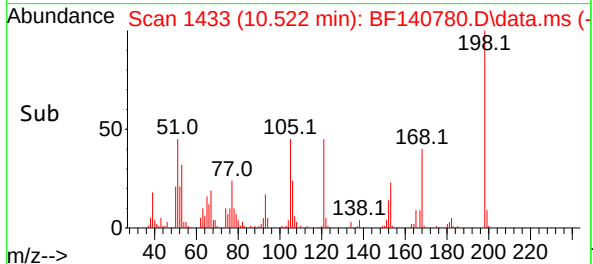
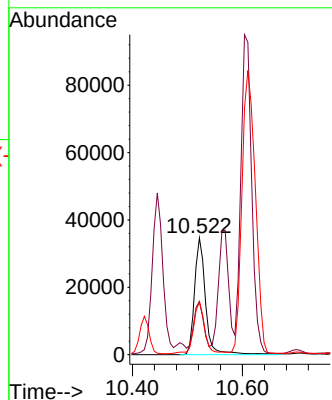
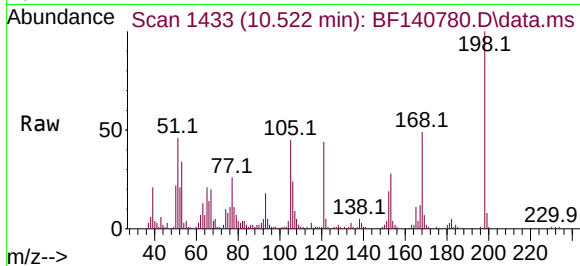
#65
4,6-Dinitro-2-methylphenol
Concen: 45.836 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Tgt Ion:198 Resp: 48452
Ion Ratio Lower Upper
198 100
51 45.6 29.4 69.4
105 45.2 25.4 65.4

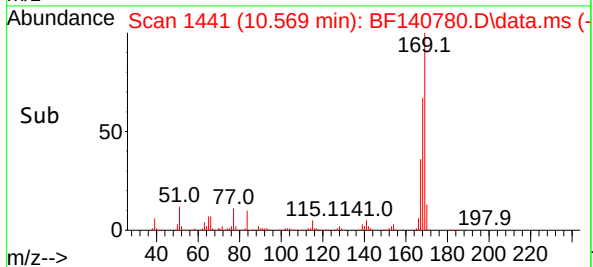
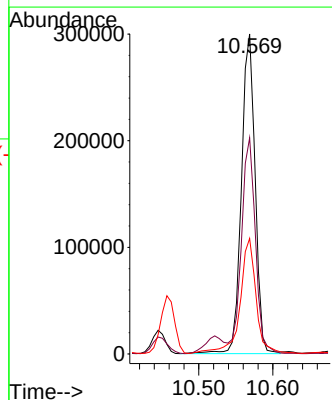
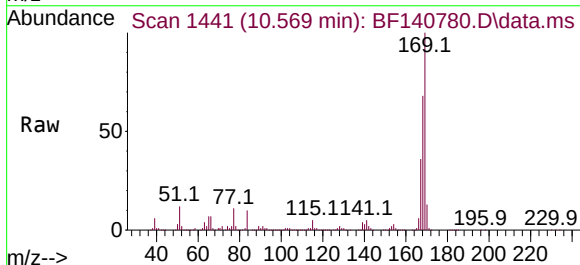
Manual Integrations
APPROVED

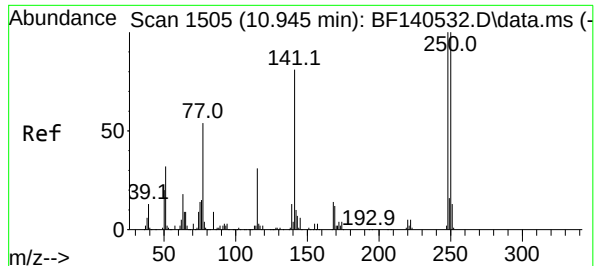
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#66
n-Nitrosodiphenylamine
Concen: 62.866 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

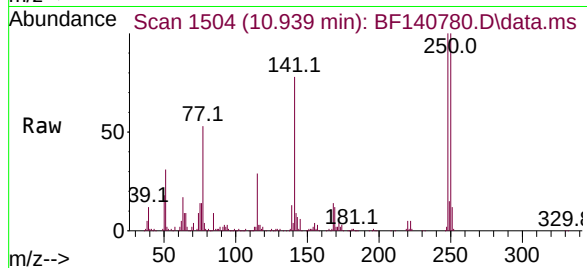
Tgt Ion:169 Resp: 384581
Ion Ratio Lower Upper
169 100
168 67.5 53.2 79.8
167 36.1 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 57.862 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

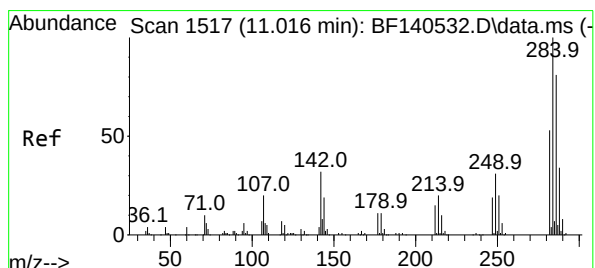
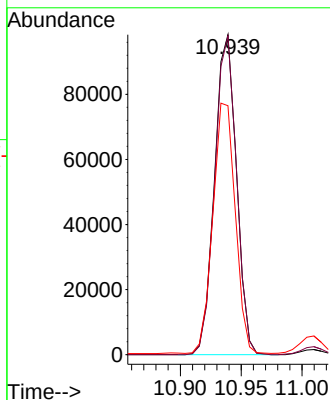
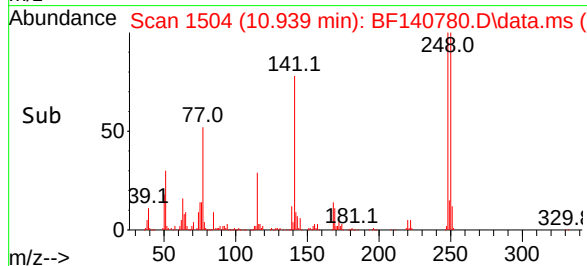
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



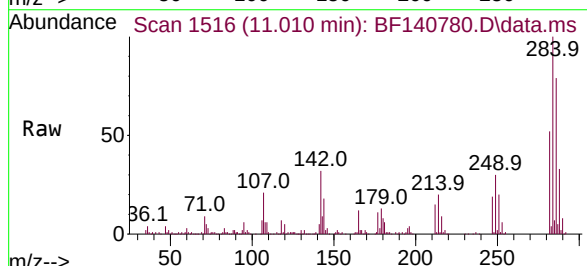
Tgt Ion:248 Resp: 123268
Ion Ratio Lower Upper
248 100
250 99.6 79.8 119.8
141 77.8 64.7 97.1

Manual Integrations
APPROVED

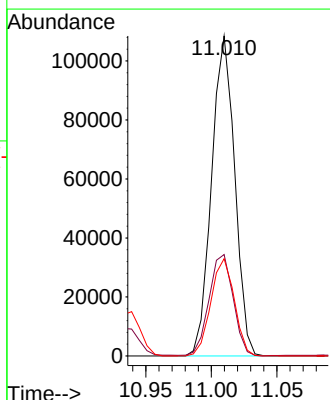
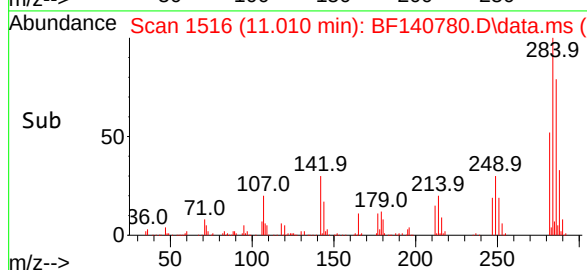
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

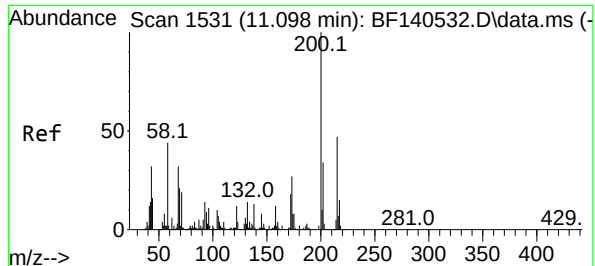


#68
Hexachlorobenzene
Concen: 53.904 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



Tgt Ion:284 Resp: 132968
Ion Ratio Lower Upper
284 100
142 31.7 25.3 37.9
249 30.4 24.8 37.2





#69

Atrazine

Concen: 65.929 ng

RT: 11.098 min Scan# 11098

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:200 Resp: 11346

Ion Ratio Lower Upper

200 100

173 27.4 7.0 47.0

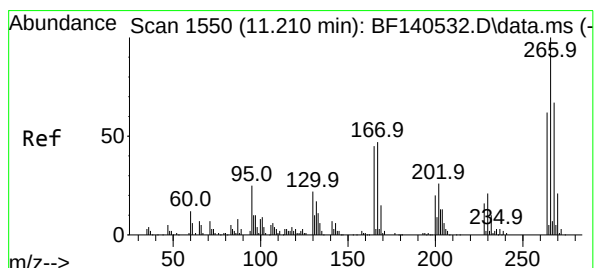
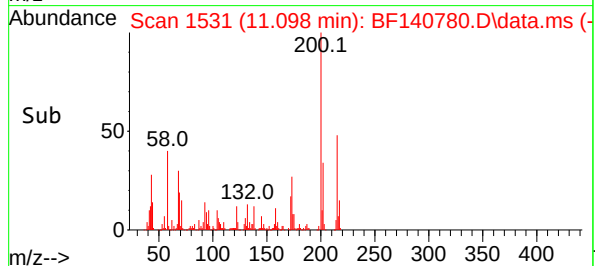
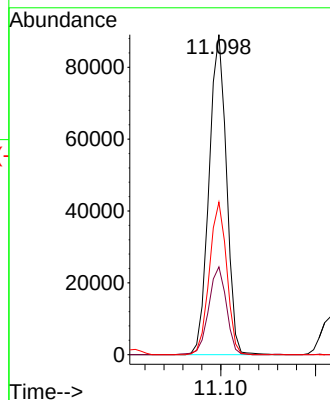
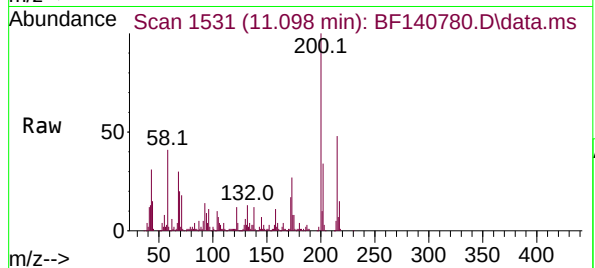
215 47.7 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#70

Pentachlorophenol

Concen: 81.569 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

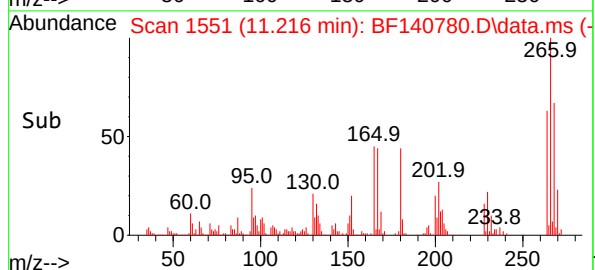
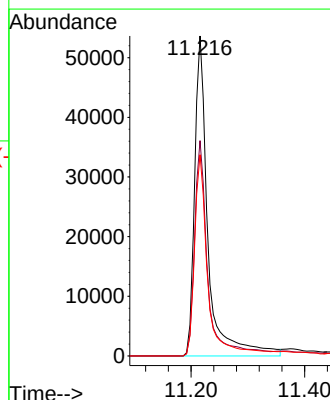
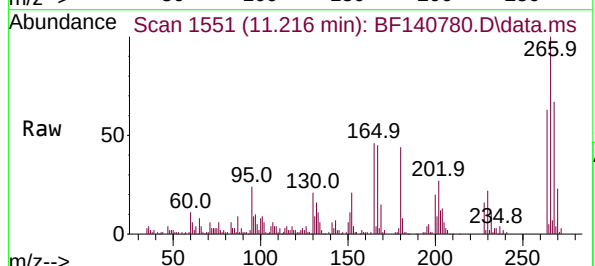
Tgt Ion:266 Resp: 88557

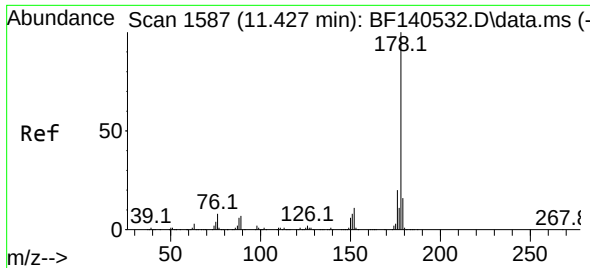
Ion Ratio Lower Upper

266 100

268 67.3 53.7 80.5

264 62.9 49.8 74.8





#71

Phenanthrene

Concen: 146.544 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:178 Resp: 1457178

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

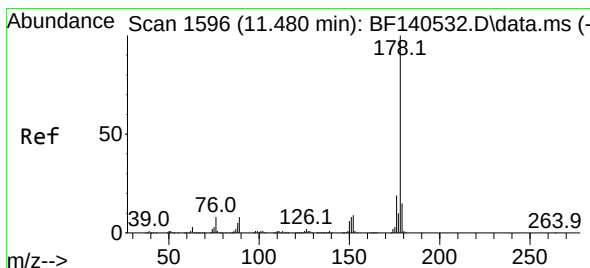
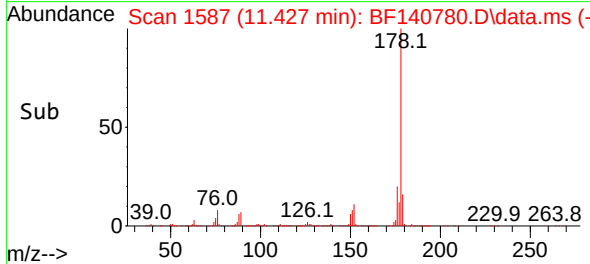
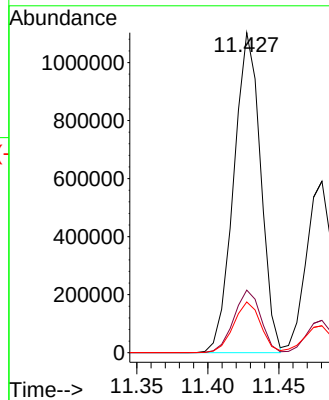
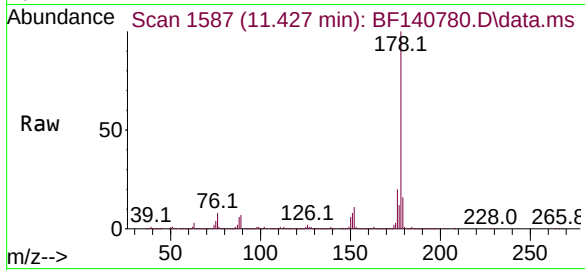
179 15.9 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#72

Anthracene

Concen: 78.365 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.000 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

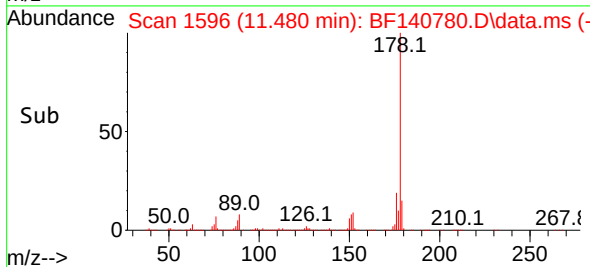
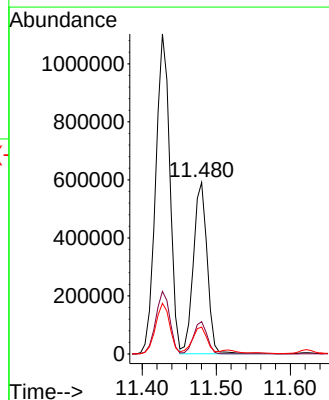
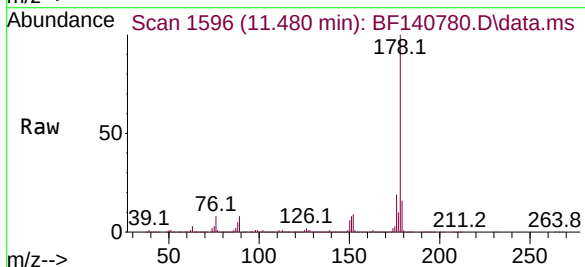
Tgt Ion:178 Resp: 762241

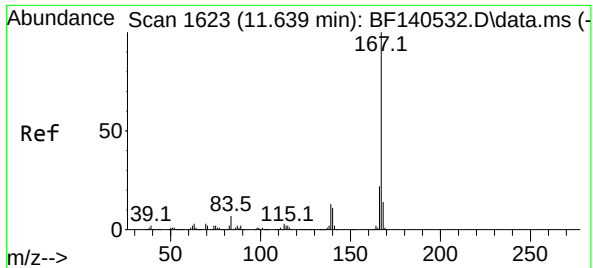
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

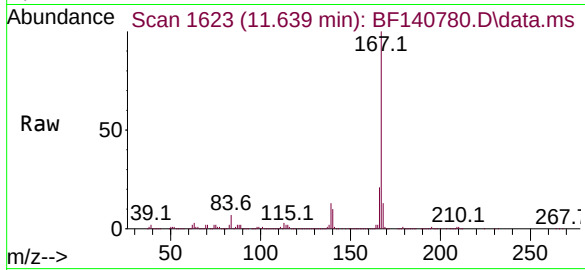
179 15.7 12.2 18.4





#73
Carbazole
Concen: 60.184 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

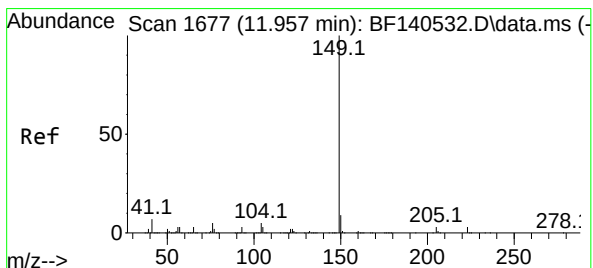
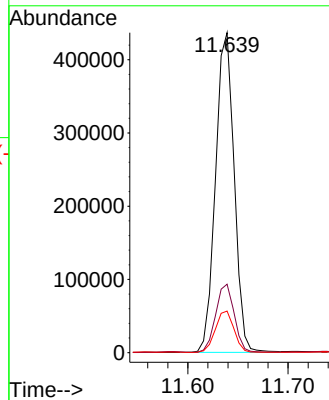
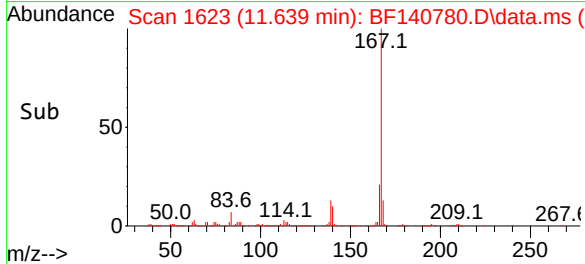
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



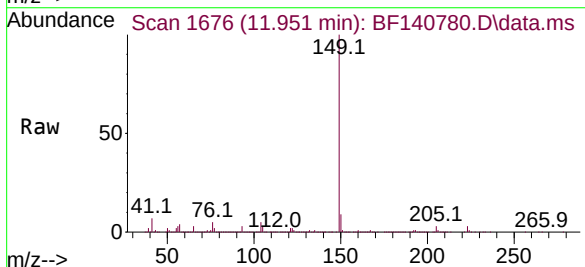
Tgt Ion:167 Resp: 56315
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 13.0 10.6 15.8

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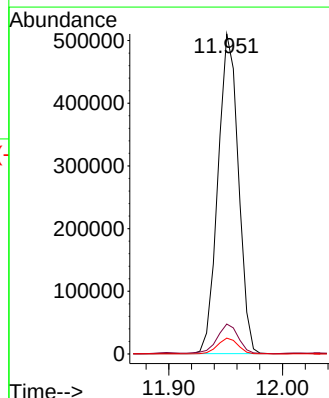
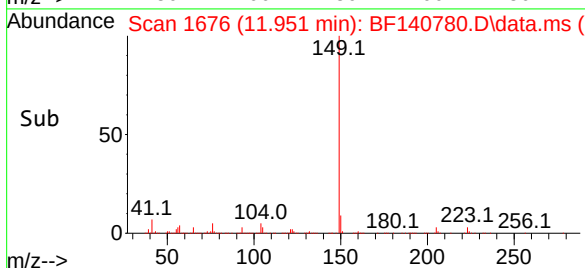
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

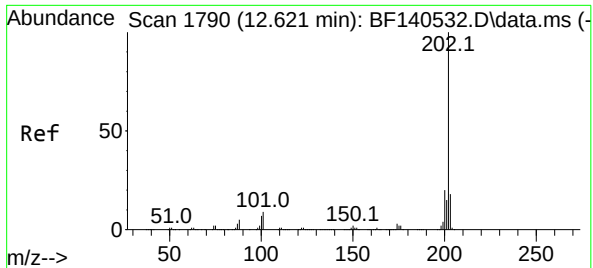


#74
Di-n-butylphthalate
Concen: 59.077 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10



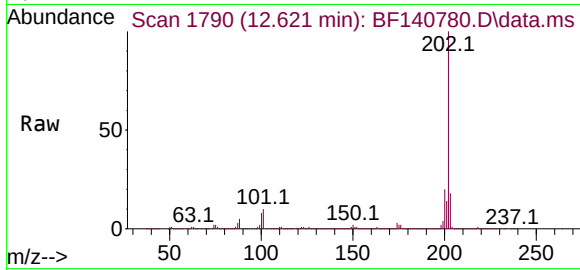
Tgt Ion:149 Resp: 638201
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 157.060 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

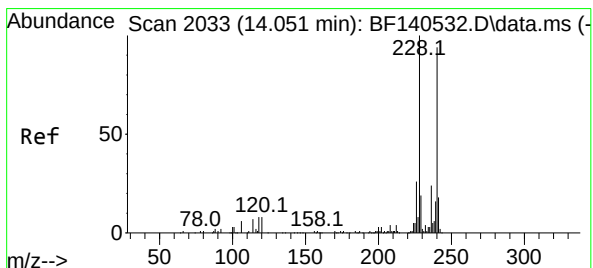
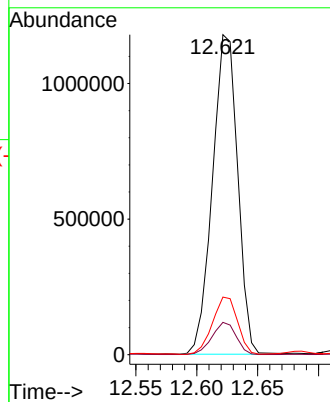
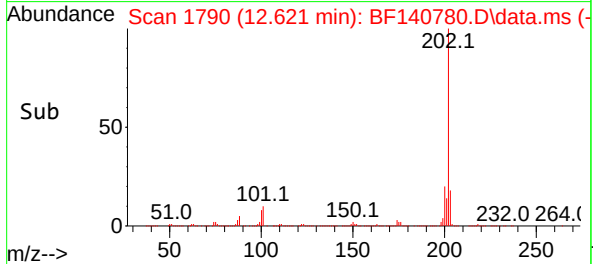
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:202 Resp: 1695660
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.9
203 18.0 0.0 37.6

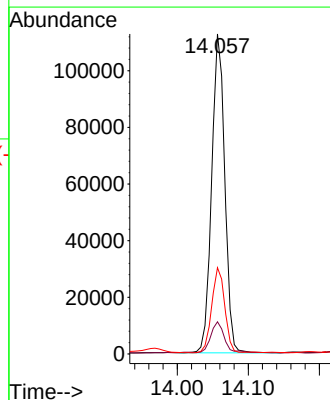
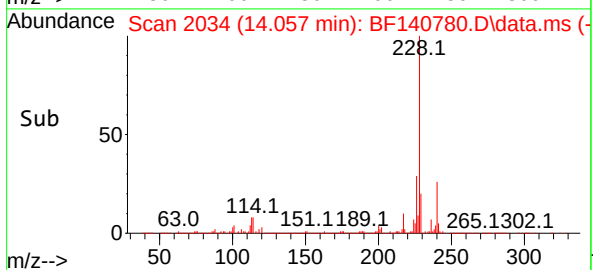
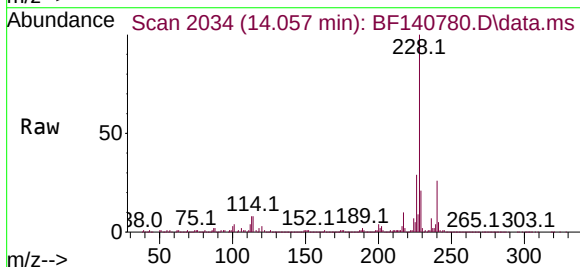
Manual Integrations
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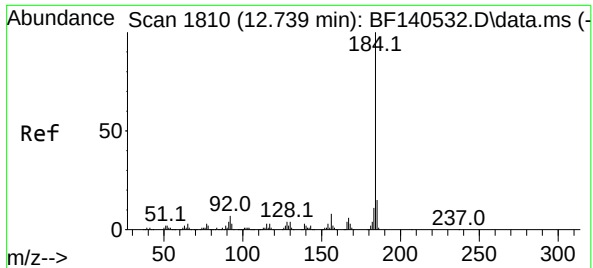
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

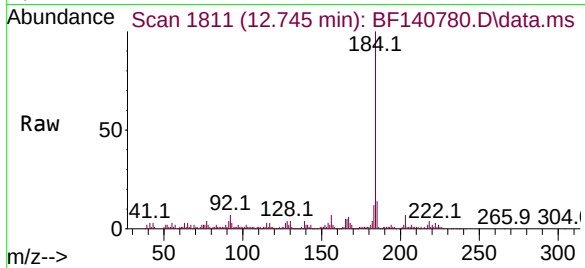
Tgt Ion:240 Resp: 144601
Ion Ratio Lower Upper
240 100
120 10.1 7.3 10.9
236 26.9 20.6 31.0





#77
Benzidine
Concen: 32.935 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

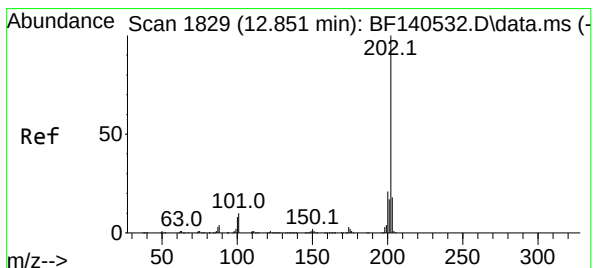
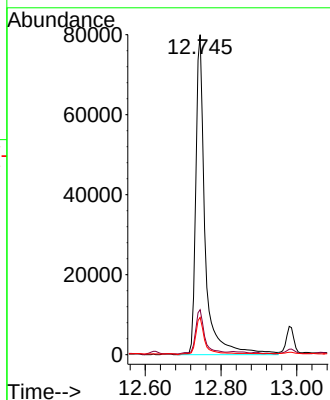
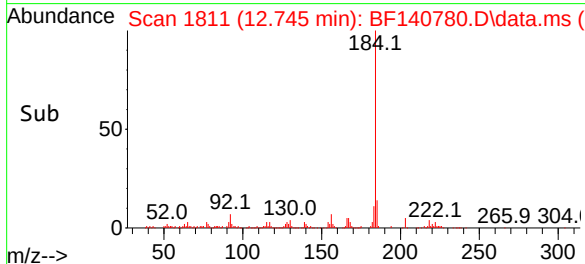
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:184 Resp: 13846
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 11.6 8.8 13.2

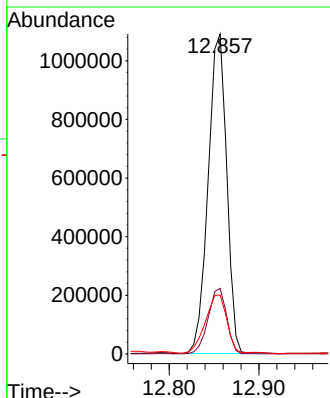
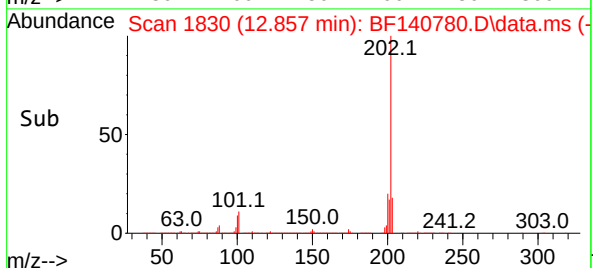
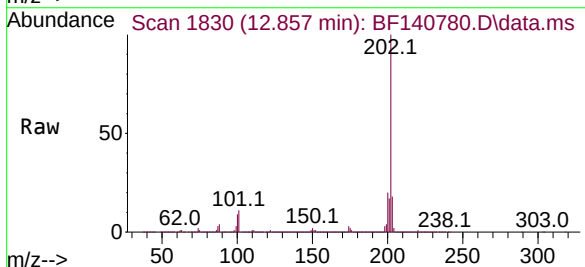
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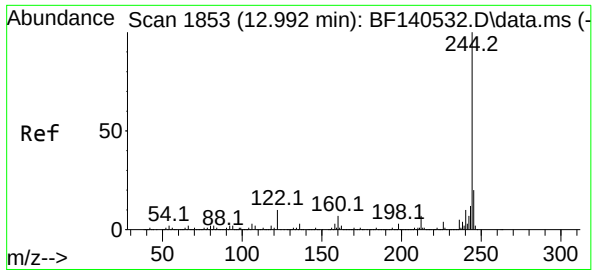
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#78
Pyrene
Concen: 117.139 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

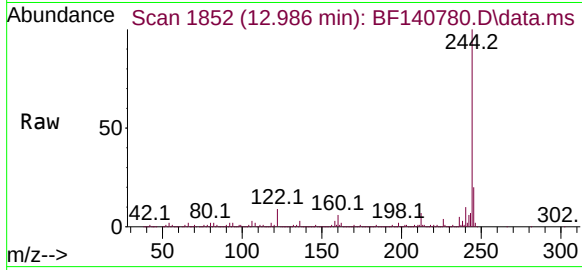
Tgt Ion:202 Resp: 1566168
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 18.4 14.2 21.4





#79
Terphenyl-d14
Concen: 66.992 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

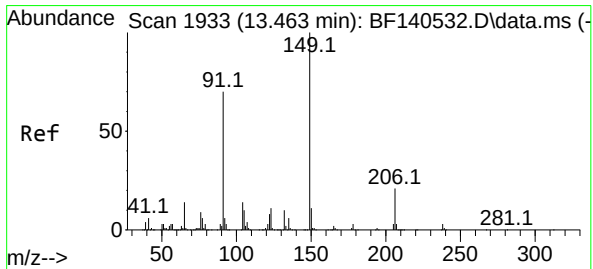
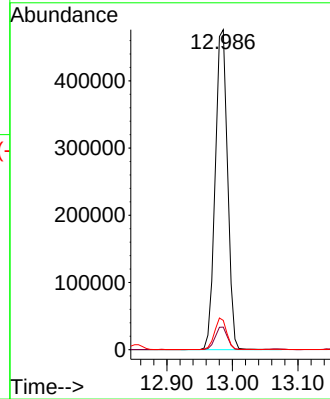
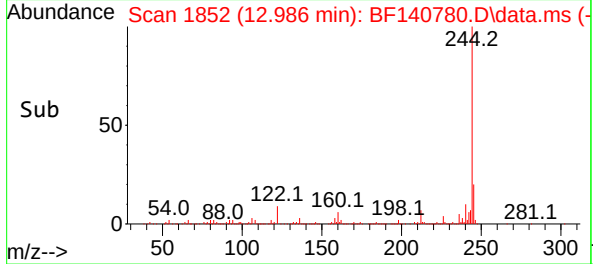
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS



Tgt Ion:244 Resp: 622115
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 9.2 8.0 12.0

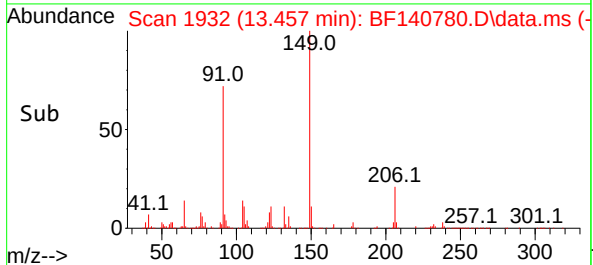
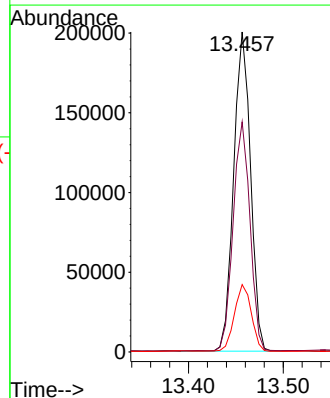
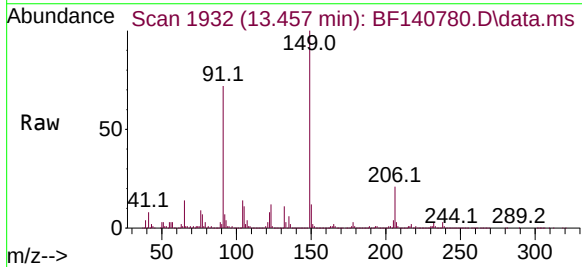
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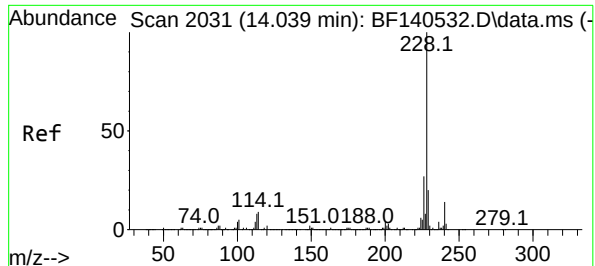
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#80
Butylbenzylphthalate
Concen: 51.226 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:149 Resp: 246729
Ion Ratio Lower Upper
149 100
91 71.9 56.2 84.2
206 21.0 16.4 24.6





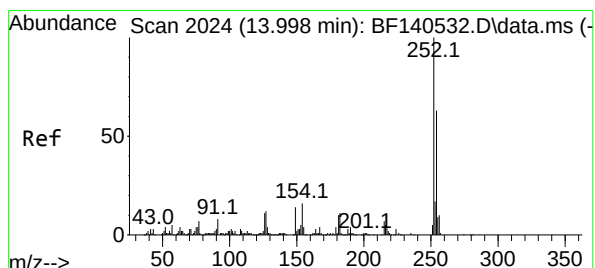
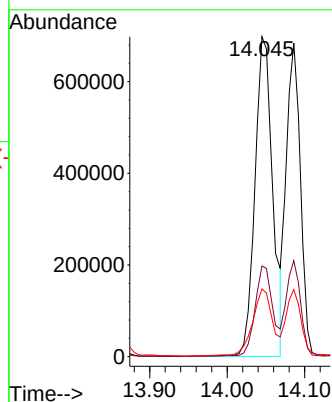
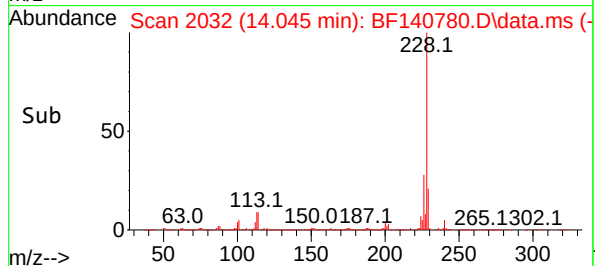
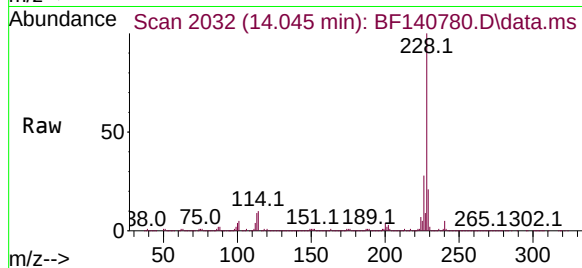
#81
Benzo(a)anthracene
Concen: 115.539 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Tgt Ion:228 Resp: 1105930
Ion Ratio Lower Upper
228 100
226 28.4 21.8 32.8
229 21.2 15.8 23.6

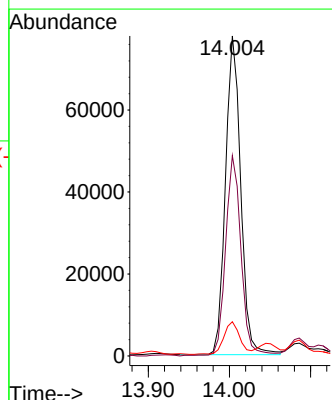
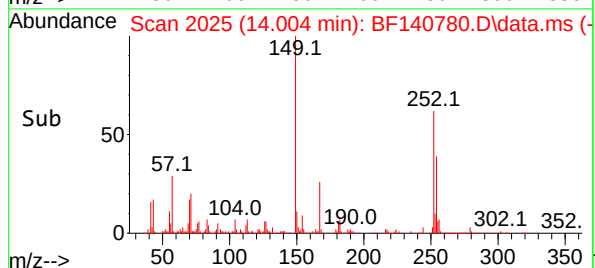
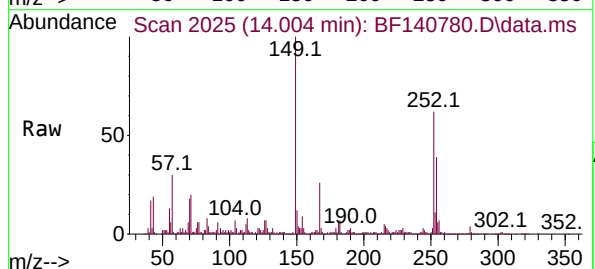
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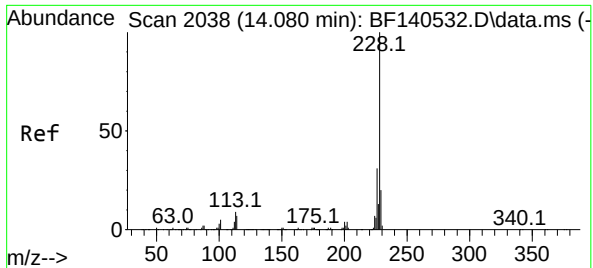
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#82
3,3'-Dichlorobenzidine
Concen: 35.467 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:252 Resp: 101927
Ion Ratio Lower Upper
252 100
254 62.6 50.8 76.2
126 10.7 8.6 13.0





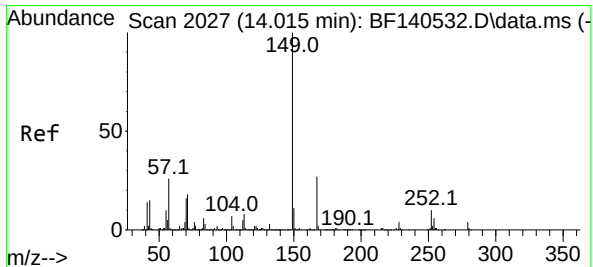
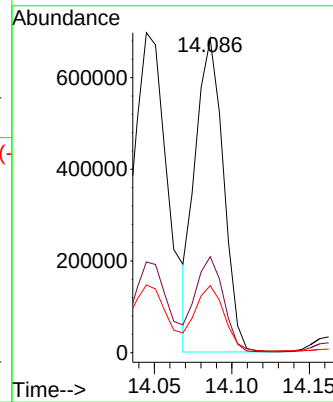
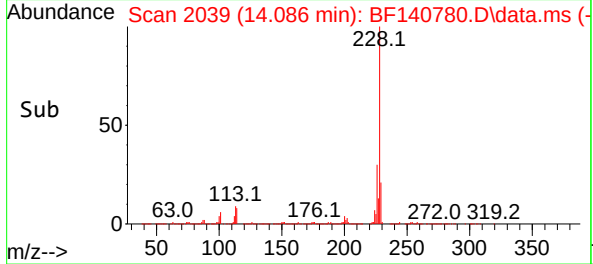
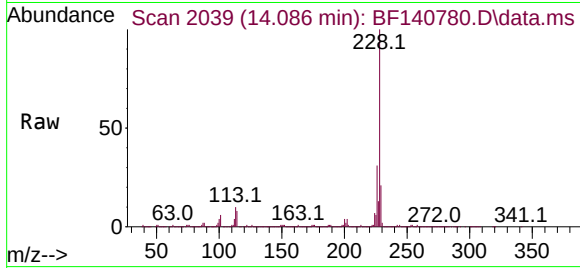
#83
Chrysene
Concen: 98.334 ng
RT: 14.086 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMS

Tgt Ion:228 Resp: 860669
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.4 15.8 23.6

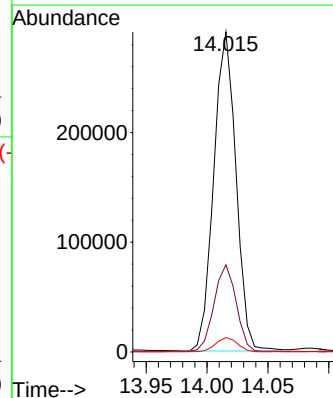
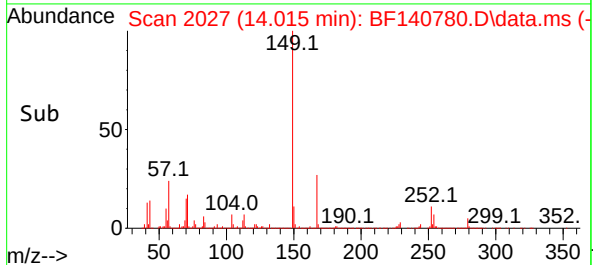
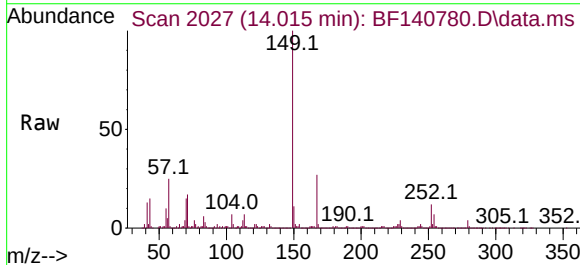
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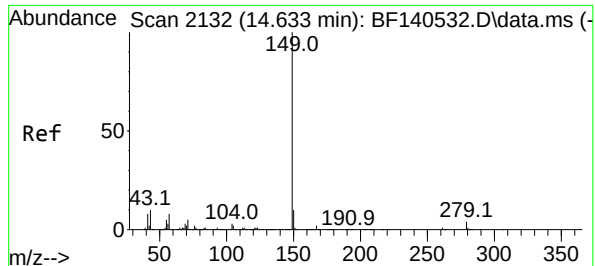
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 60.824 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF140780.D
Acq: 06 Dec 2024 21:10

Tgt Ion:149 Resp: 369920
Ion Ratio Lower Upper
149 100
167 27.3 21.2 31.8
279 4.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 74.360 ng

RT: 14.639 min Scan# 2132

Delta R.T. 0.006 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:149 Resp: 61804

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

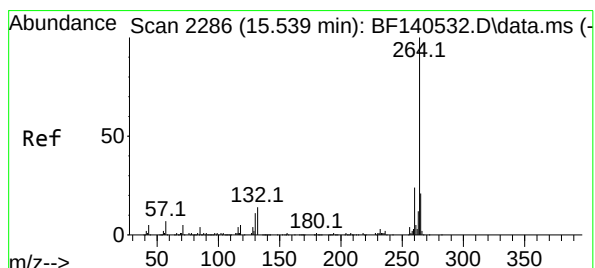
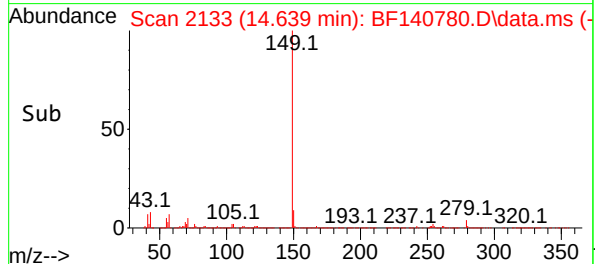
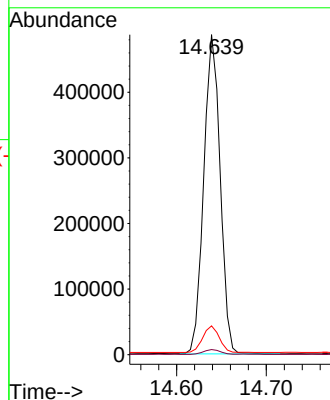
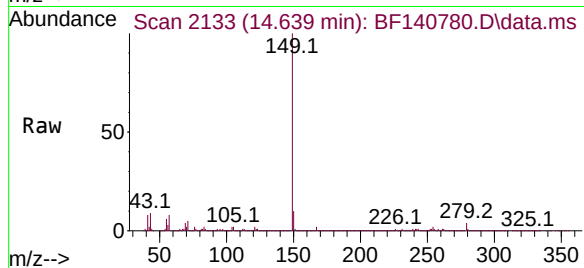
43 8.4 7.7 11.5

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2289

Delta R.T. 0.018 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

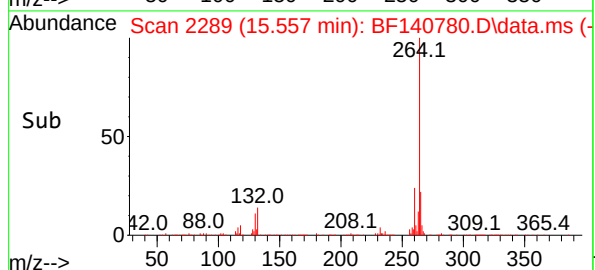
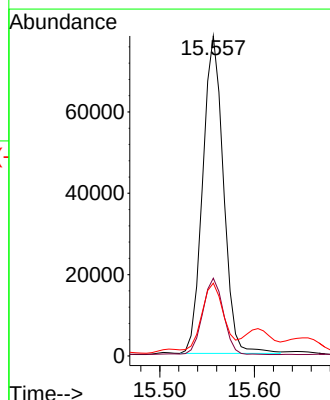
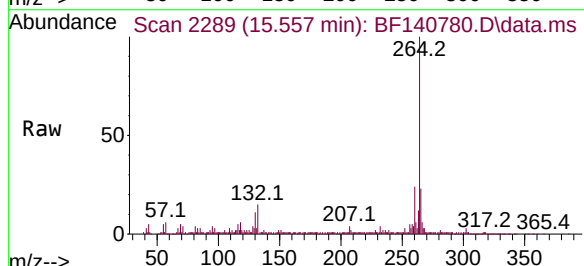
Tgt Ion:264 Resp: 118347

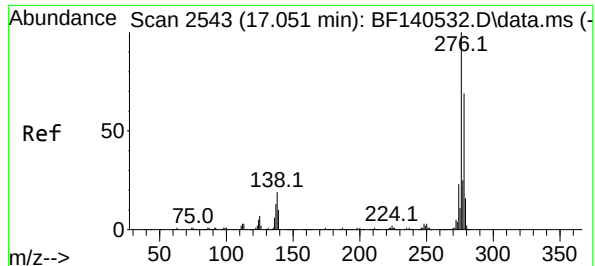
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.328 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:276 Resp: 472998

Ion Ratio Lower Upper

276 100

138 18.3 15.5 23.3

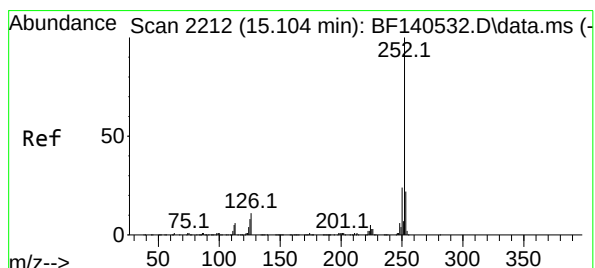
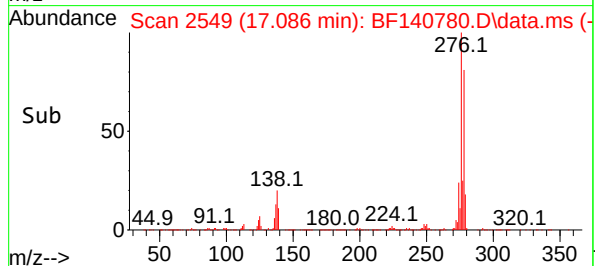
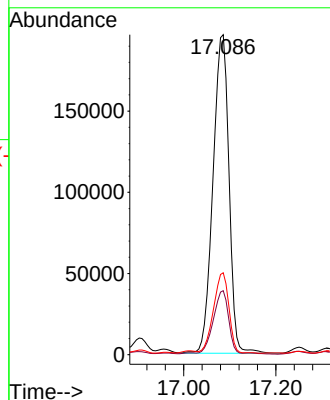
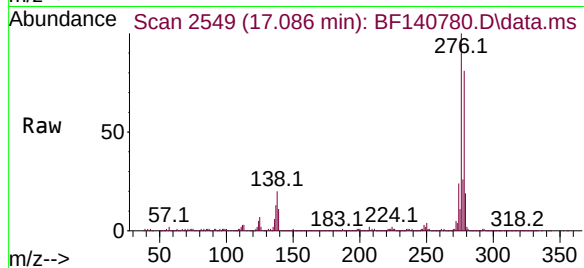
277 24.0 20.1 30.1

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#88

Benzo(b)fluoranthene

Concen: 119.094 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.018 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

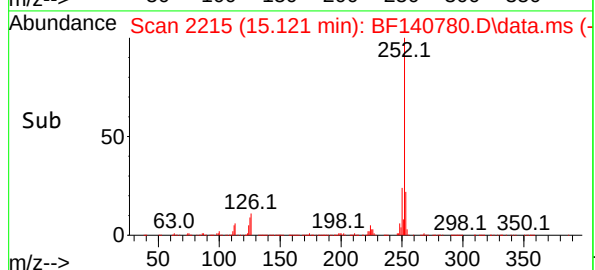
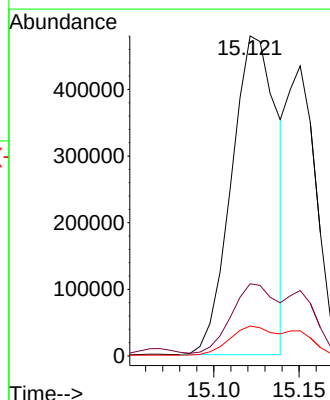
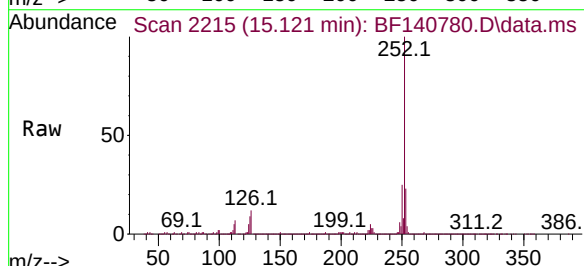
Tgt Ion:252 Resp: 885287

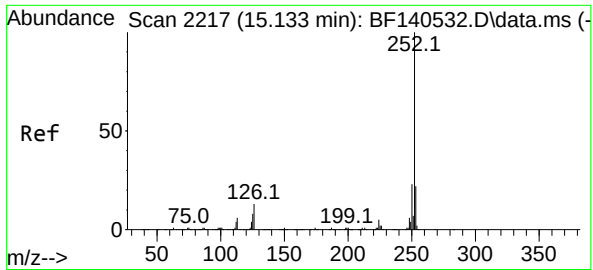
Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 9.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 78.684 ng m

RT: 15.151 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:252 Resp: 511840

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

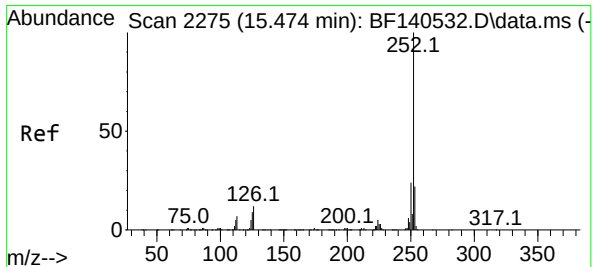
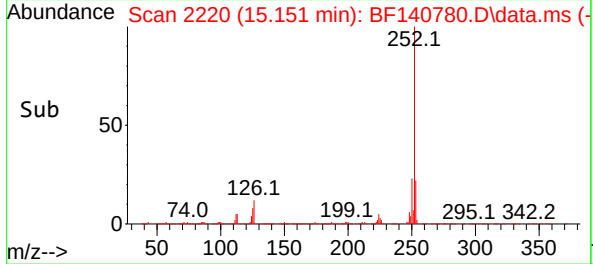
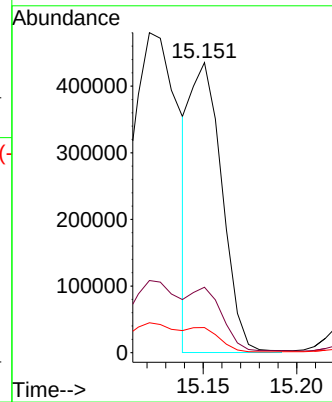
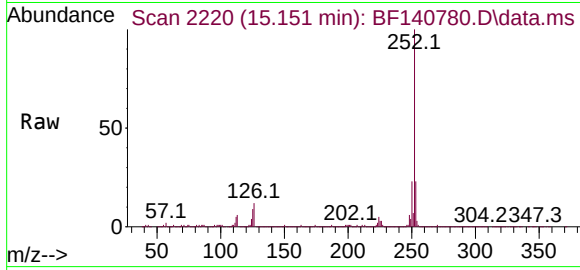
125 8.7 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#90

Benzo(a)pyrene

Concen: 104.827 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.023 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

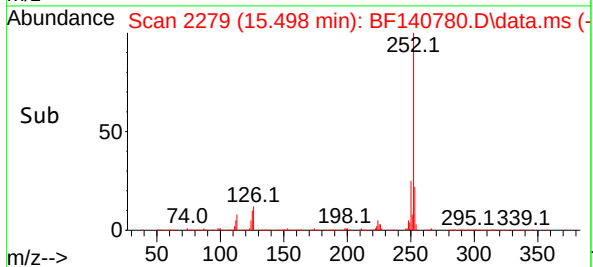
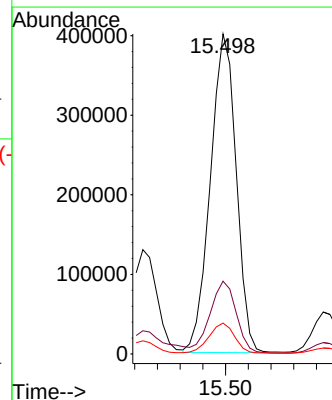
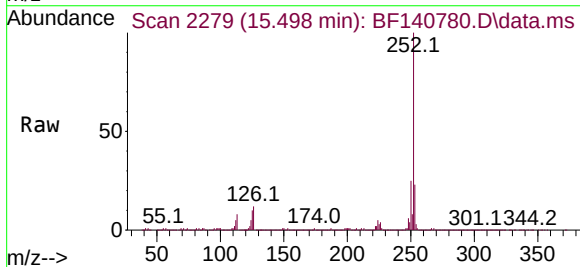
Tgt Ion:252 Resp: 633581

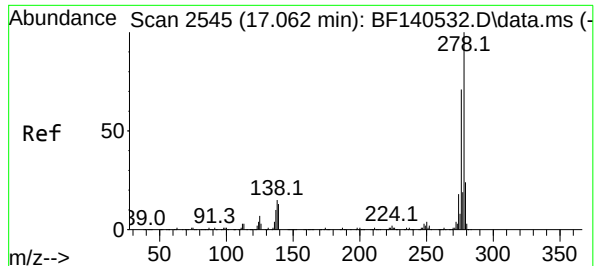
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 9.6 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 47.867 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMS

Tgt Ion:278 Resp: 302339

Ion Ratio Lower Upper

278 100

139 13.4 10.2 15.4

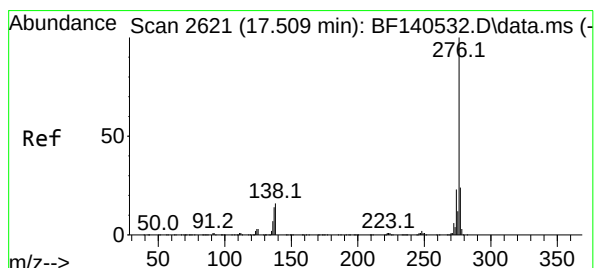
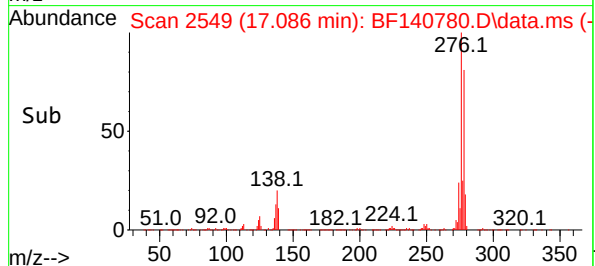
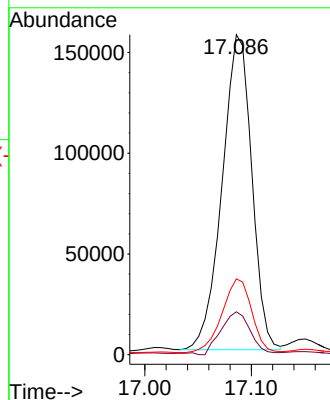
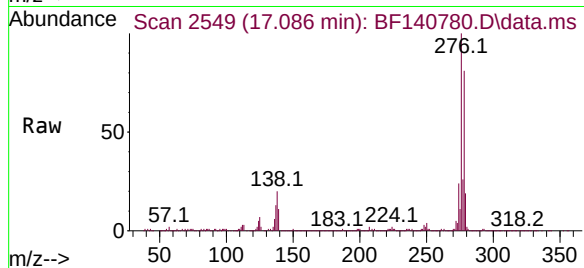
279 23.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#92

Benzo(g,h,i)perylene

Concen: 56.931 ng

RT: 17.539 min Scan# 2626

Delta R.T. 0.029 min

Lab File: BF140780.D

Acq: 06 Dec 2024 21:10

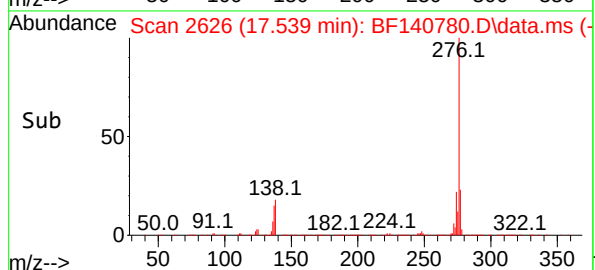
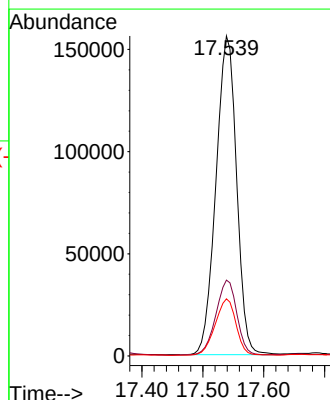
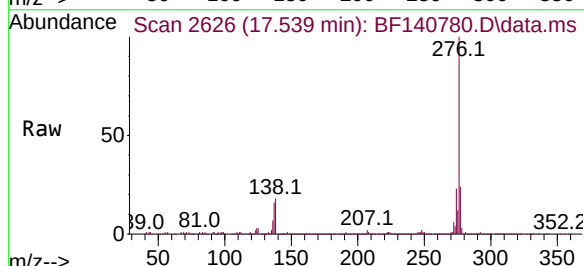
Tgt Ion:276 Resp: 366946

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 17.9 13.2 19.8



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOILMSD	SDG No.:	P5112
Lab Sample ID:	P5112-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF140781.D	1	12/06/24 08:55	12/06/24 21:36	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2.00		0.090	0.19	mg/Kg
208-96-8	Acenaphthylene	2.10		0.095	0.19	mg/Kg
83-32-9	Acenaphthene	2.20		0.089	0.19	mg/Kg
86-73-7	Fluorene	2.10		0.093	0.19	mg/Kg
85-01-8	Phenanthrene	5.40	E	0.092	0.19	mg/Kg
120-12-7	Anthracene	2.90	E	0.092	0.19	mg/Kg
206-44-0	Fluoranthene	6.10	E	0.089	0.19	mg/Kg
129-00-0	Pyrene	4.20	E	0.091	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	4.10	E	0.088	0.19	mg/Kg
218-01-9	Chrysene	3.70	E	0.087	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	4.30	E	0.089	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.90		0.090	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	3.80	E	0.10	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.30		0.085	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.80		0.089	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.20		0.088	0.19	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.2		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		20 - 109	86%	SPK: 100
1718-51-0	Terphenyl-d14	66.1		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70300	6.869			
1146-65-2	Naphthalene-d8	252000	8.151			
15067-26-2	Acenaphthene-d10	123000	9.904			
1517-22-2	Phenanthrene-d10	192000	11.398			
1719-03-5	Chrysene-d12	147000	14.063			
1520-96-3	Perylene-d12	116000	15.563			

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/05/24
Project:	10th Street & 2nd Avenue	Date Received:	12/05/24
Client Sample ID:	10TH-ST-SOILMSD	SDG No.:	P5112
Lab Sample ID:	P5112-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF140781.D	1	12/06/24 08:55	12/06/24 21:36	PB165423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140781.D
 Acq On : 06 Dec 2024 21:36
 Operator : RC/JU
 Sample : P5112-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 23:14:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	70323	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	252197	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	122922	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	192178	20.000	ng	0.00
76) Chrysene-d12	14.063	240	146775	20.000	ng	0.01
86) Perylene-d12	15.563	264	115742	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	486379	118.008	ng	0.01
7) Phenol-d6	6.516	99	612765	112.458	ng	0.00
23) Nitrobenzene-d5	7.434	82	395330	80.180	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	141094	107.324	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	706545	85.641	ng	-0.01
79) Terphenyl-d14	12.986	244	623037	66.098	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	77624	44.794	ng	98
3) Pyridine	3.463	79	189394	49.673	ng	99
4) n-Nitrosodimethylamine	3.416	42	102375	45.685	ng	94
6) Aniline	6.540	93	110044	28.693	ng	# 38
8) 2-Chlorophenol	6.663	128	231716	52.256	ng	96
9) Benzaldehyde	6.422	77	70350	24.389	ng	98
10) Phenol	6.534	94	292293	52.527	ng	92
11) bis(2-Chloroethyl)ether	6.604	93	221094	51.922	ng	98
12) 1,3-Dichlorobenzene	6.810	146	247485	49.671	ng	99
13) 1,4-Dichlorobenzene	6.887	146	249053	49.367	ng	99
14) 1,2-Dichlorobenzene	7.040	146	238437	50.438	ng	99
15) Benzyl Alcohol	7.016	79	199328	49.329	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	262680	52.216	ng	64
17) 2-Methylphenol	7.140	107	174160	49.065	ng	93
18) Hexachloroethane	7.375	117	90832	48.206	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	165651	51.440	ng	98
20) 3+4-Methylphenols	7.293	107	238171	52.203	ng	# 67
22) Acetophenone	7.281	105	320678	52.156	ng	# 93
24) Nitrobenzene	7.457	77	246320	48.338	ng	97
25) Isophorone	7.693	82	439041	53.387	ng	99
26) 2-Nitrophenol	7.769	139	122690	54.330	ng	96
27) 2,4-Dimethylphenol	7.810	122	180377m	66.758	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	270241	53.941	ng	99
29) 2,4-Dichlorophenol	8.022	162	191124	53.382	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	203328	49.739	ng	98
31) Naphthalene	8.175	128	709621	54.627	ng	99
32) Benzoic acid	7.945	122	84518	37.752	ng	96
33) 4-Chloroaniline	8.240	127	41934	10.782	ng	99
34) Hexachlorobutadiene	8.281	225	136302	50.340	ng	99
35) Caprolactam	8.598	113	55830	50.389	ng	93
36) 4-Chloro-3-methylphenol	8.722	107	191803	47.848	ng	99
37) 2-Methylnaphthalene	8.863	142	445971	54.051	ng	100
38) 1-Methylnaphthalene	8.963	142	410655	50.776	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	205939	57.228	ng	98
41) Hexachlorocyclopentadiene	9.010	237	39924	52.151	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	123872	54.858	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140781.D
 Acq On : 06 Dec 2024 21:36
 Operator : RC/JU
 Sample : P5112-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 23:14:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	124620	50.852	ng	97
46) 1,1'-Biphenyl	9.328	154	521334	56.806	ng	100
47) 2-Chloronaphthalene	9.351	162	372496	53.566	ng	99
48) 2-Nitroaniline	9.457	65	114930	51.490	ng	95
49) Acenaphthylene	9.769	152	608083	57.874	ng	100
50) Dimethylphthalate	9.628	163	454648	56.160	ng	99
51) 2,6-Dinitrotoluene	9.698	165	93739	51.055	ng	91
52) Acenaphthene	9.939	154	405927	60.804	ng	98
53) 3-Nitroaniline	9.869	138	55181	30.729	ng	93
54) 2,4-Dinitrophenol	9.992	184	38548	44.398	ng	96
55) Dibenzofuran	10.116	168	568167	55.795	ng	100
56) 4-Nitrophenol	10.063	139	80067	65.378	ng	96
57) 2,4-Dinitrotoluene	10.104	165	116348	47.681	ng	94
58) Fluorene	10.457	166	466679	57.095	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	93499	49.644	ng	93
60) Diethylphthalate	10.322	149	440889	53.602	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	204367	50.948	ng	99
62) 4-Nitroaniline	10.486	138	75484	40.079	ng	95
63) Azobenzene	10.604	77	417407	53.587	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	35994	36.652	ng	97
66) n-Nitrosodiphenylamine	10.569	169	355806	62.607	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	114963	58.087	ng	97
68) Hexachlorobenzene	11.010	284	120880	52.748	ng	100
69) Atrazine	11.098	200	104256	65.209	ng	98
70) Pentachlorophenol	11.216	266	85487	84.757	ng	99
71) Phenanthrene	11.428	178	1361079	147.338	ng	100
72) Anthracene	11.480	178	725029	80.235	ng	99
73) Carbazole	11.639	167	535369	61.586	ng	99
74) Di-n-butylphthalate	11.951	149	603579	60.141	ng	100
75) Fluoranthene	12.628	202	1669940	166.496	ng	99
77) Benzidine	12.745	184	171302	40.142	ng	99
78) Pyrene	12.857	202	1562572	115.139	ng	99
80) Butylbenzylphthalate	13.457	149	251764	51.497	ng	99
81) Benzo(a)anthracene	14.051	228	1087561	111.936	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	117822	40.390	ng	99
83) Chrysene	14.086	228	893731	100.599	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	370155	59.961	ng	100
85) Di-n-octyl phthalate	14.645	149	622562	73.794	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	477308	63.280	ng	99
88) Benzo(b)fluoranthene	15.127	252	848638	116.733	ng	98
89) Benzo(k)fluoranthene	15.157	252	498789m	78.404	ng	
90) Benzo(a)pyrene	15.504	252	616883	104.361	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	302959	49.044	ng	99
92) Benzo(g,h,i)perylene	17.551	276	376475	59.725	ng	99

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

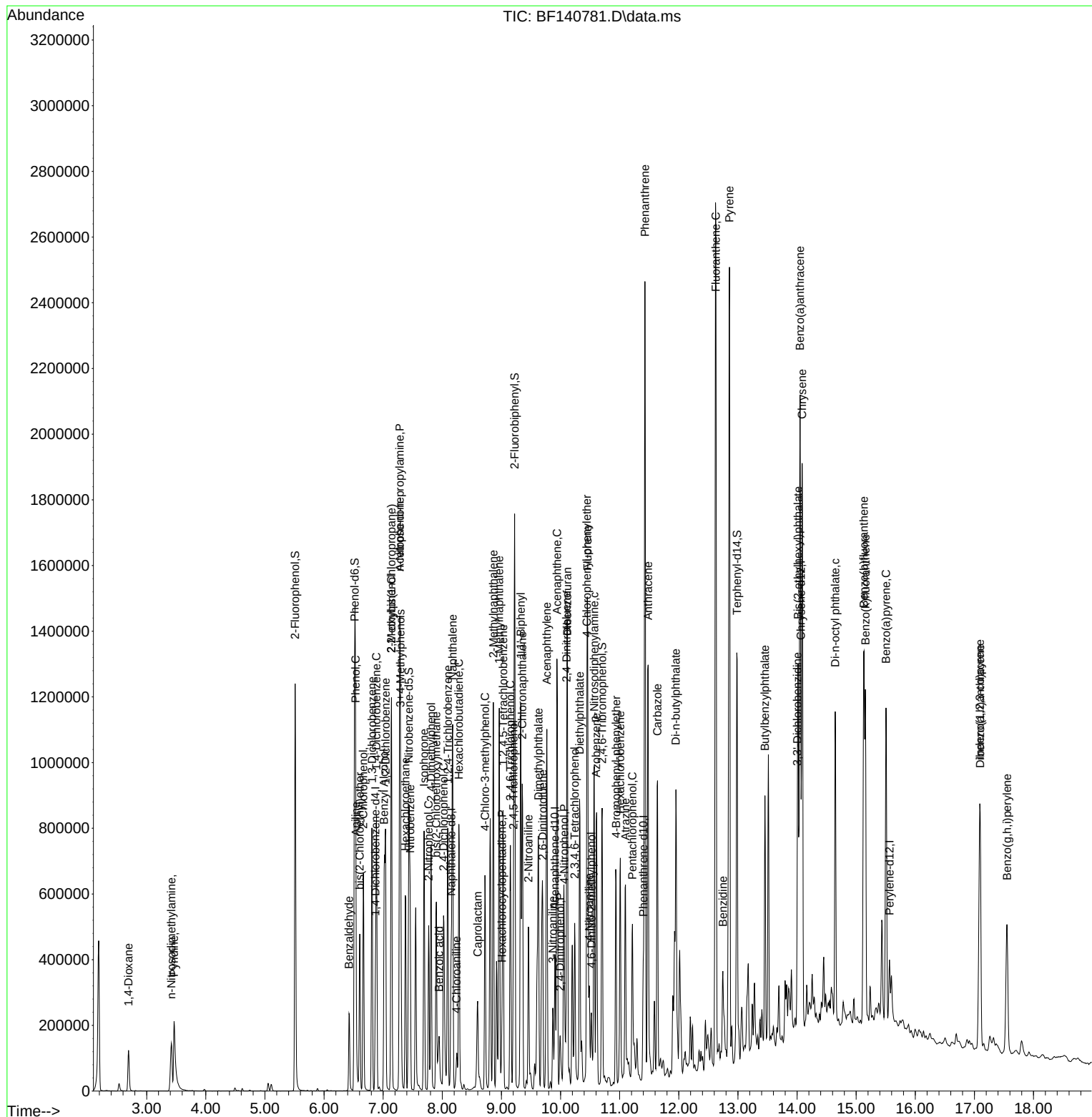
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Data File : BF140781.D  
Acq On    : 06 Dec 2024   21:36  
Operator  : RC/JU  
Sample    : P5112-01MSD  
Misc      :  
ALS Vial  : 23    Sample Multiplier: 1
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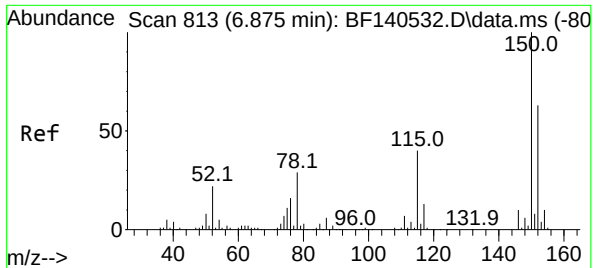
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Manual Integrations

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

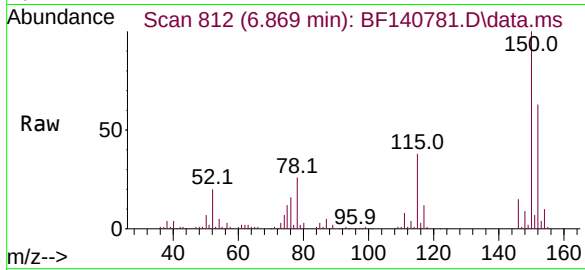
Quant Time: Dec 06 23:14:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

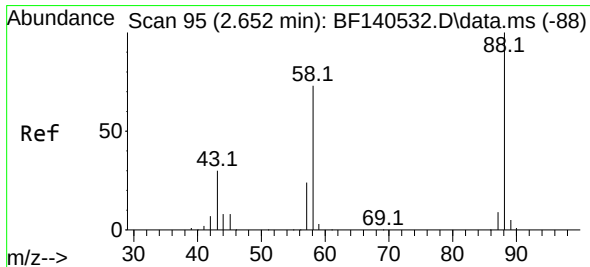
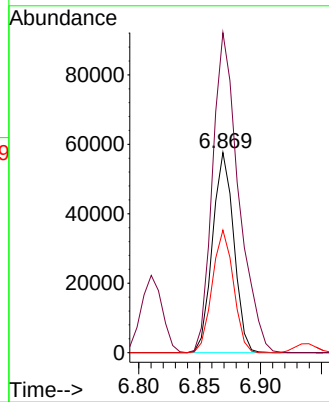
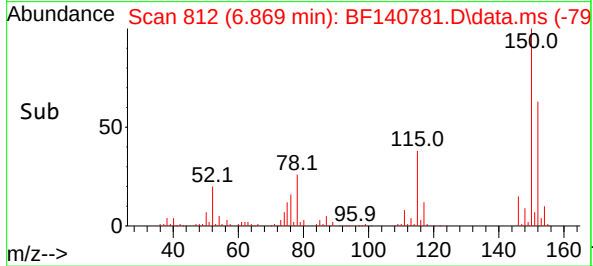
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:152 Resp: 7032
Ion Ratio Lower Upper
152 100
150 159.8 128.5 192.7
115 61.2 50.2 75.4

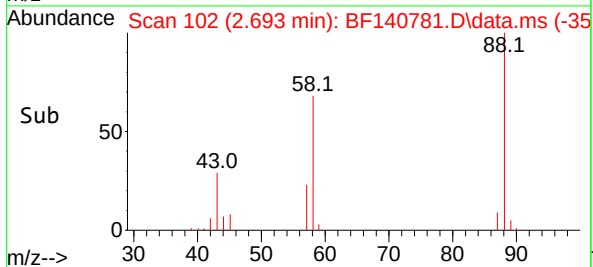
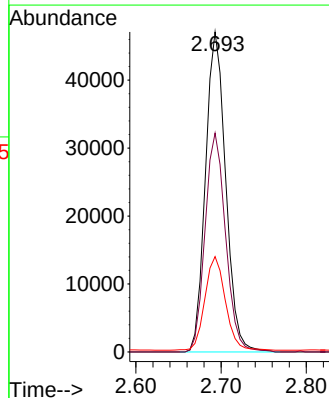
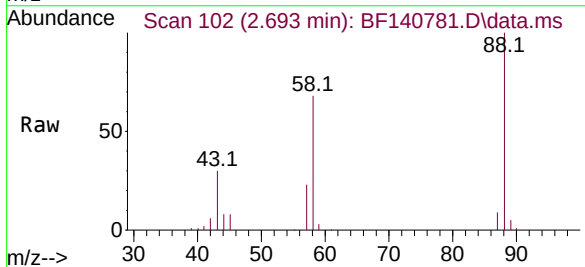
Manual Integrations
APPROVED

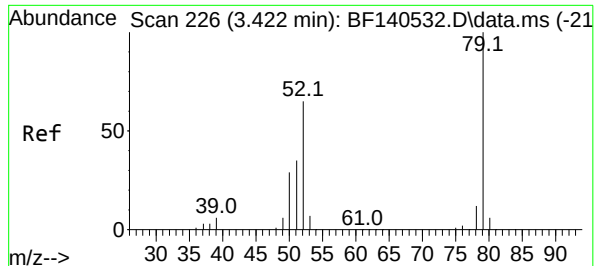
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#2
1,4-Dioxane
Concen: 44.794 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.041 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

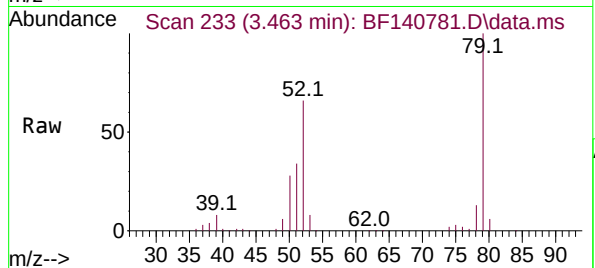
Tgt Ion: 88 Resp: 77624
Ion Ratio Lower Upper
88 100
58 69.5 57.4 86.2
43 29.6 24.3 36.5





#3
Pyridine
Concen: 49.673 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

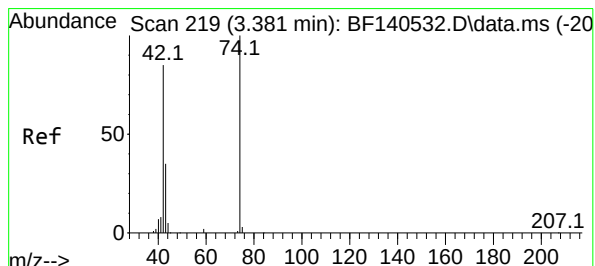
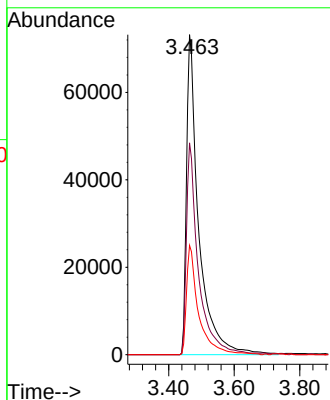
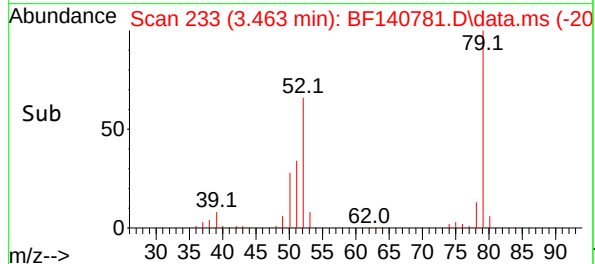
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion: 79 Resp: 189394
Ion Ratio Lower Upper
79 100
52 66.2 52.1 78.1
51 34.1 27.8 41.8

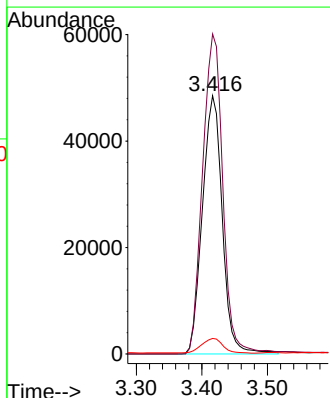
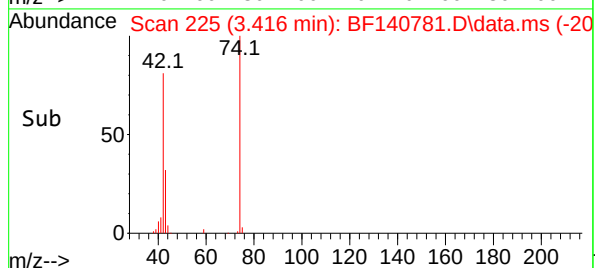
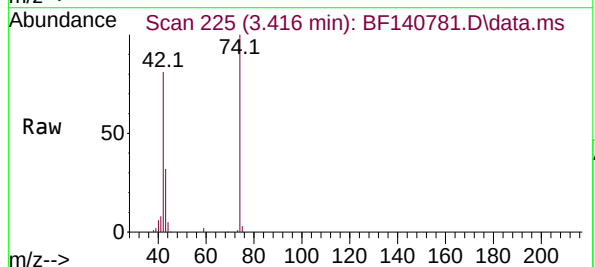
Manual Integrations
APPROVED

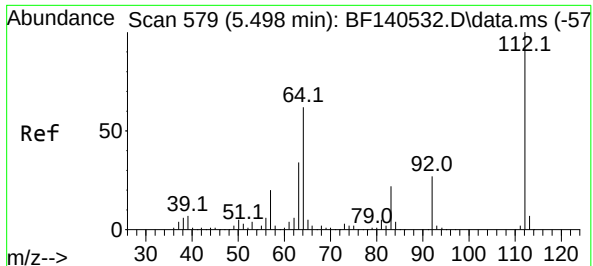
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#4
n-Nitrosodimethylamine
Concen: 45.685 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.035 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion: 42 Resp: 102375
Ion Ratio Lower Upper
42 100
74 123.9 93.8 140.6
44 6.0 4.6 6.8





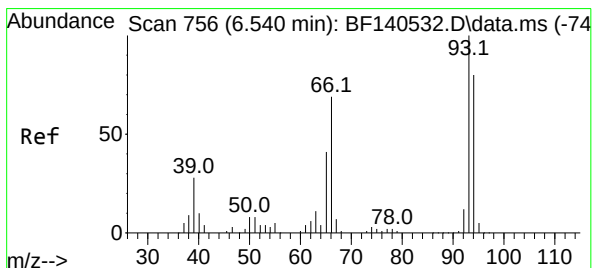
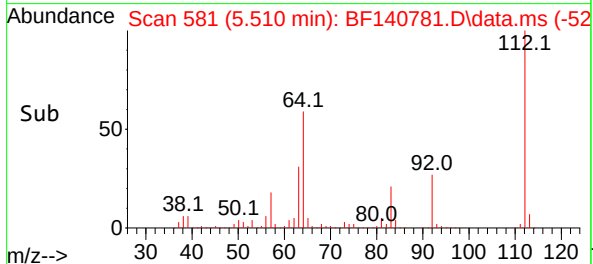
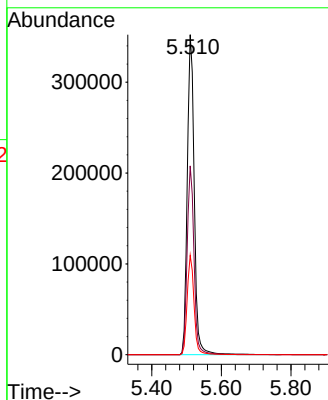
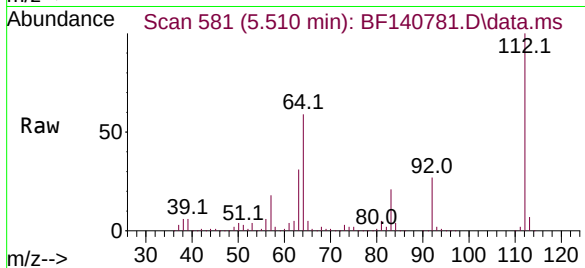
#5
2-Fluorophenol
Concen: 118.008 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:112 Resp: 486379
Ion Ratio Lower Upper
112 100
64 59.0 49.2 73.8
63 31.1 27.0 40.4

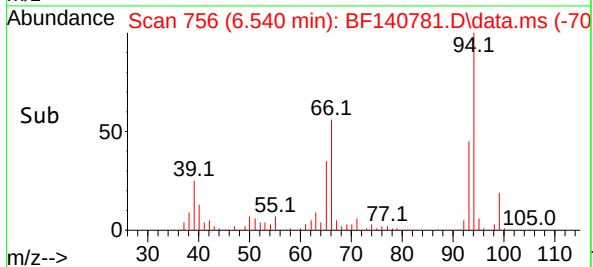
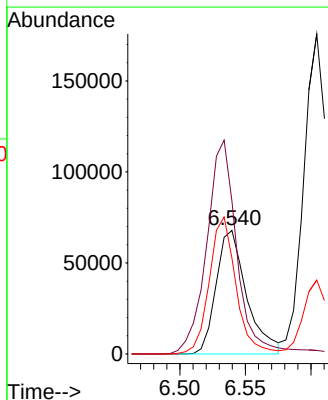
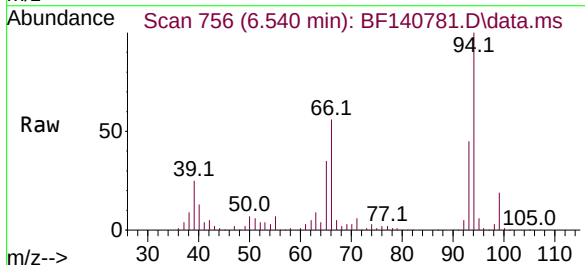
Manual Integrations
APPROVED

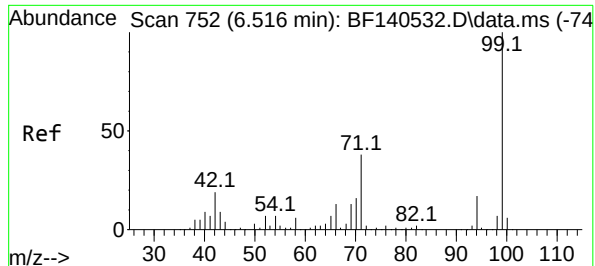
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#6
Aniline
Concen: 28.693 ng
RT: 6.540 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

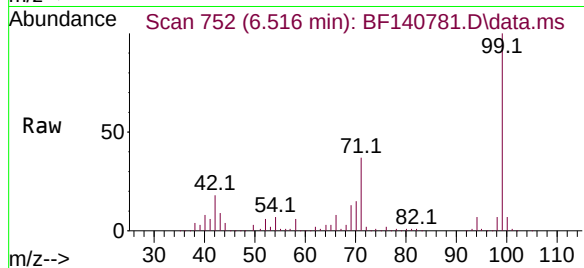
Tgt Ion: 93 Resp: 110044
Ion Ratio Lower Upper
93 100
66 123.6 56.5 84.7#
65 77.4 32.9 49.3#





#7
Phenol-d6
Concen: 112.458 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

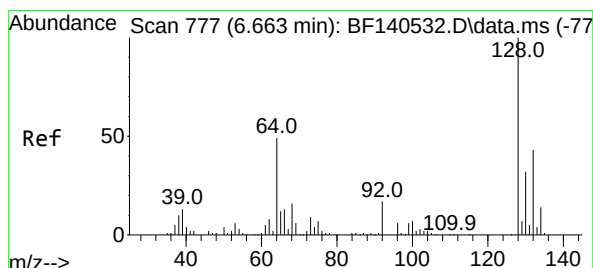
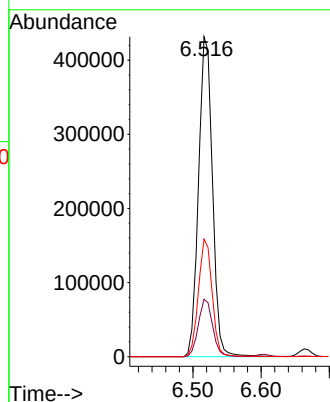
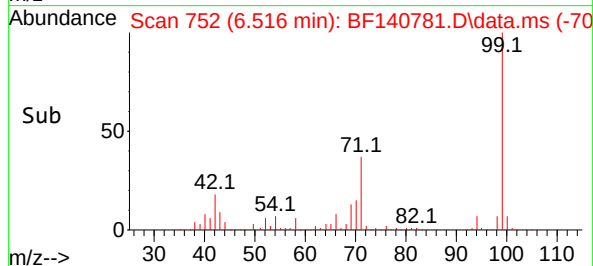
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



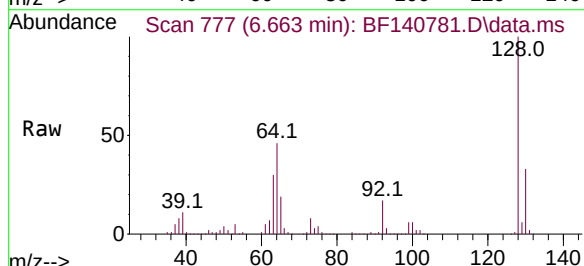
Tgt Ion: 99 Resp: 61276
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 36.7 30.6 46.0

Manual Integrations
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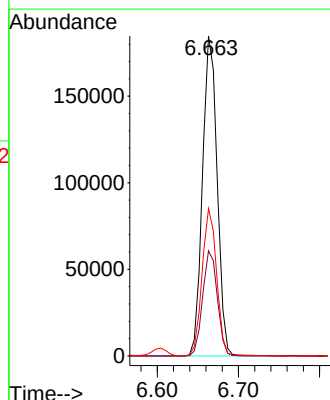
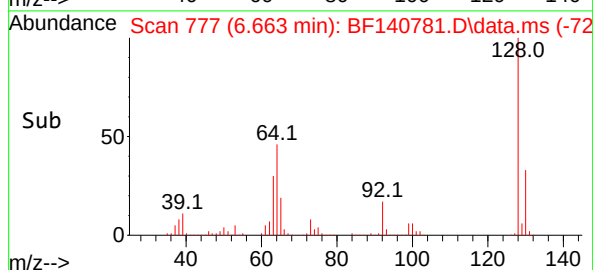
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

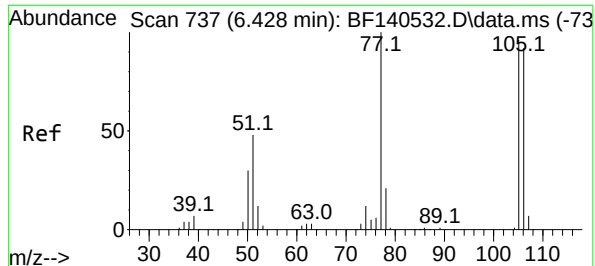


#8
2-Chlorophenol
Concen: 52.256 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



Tgt Ion:128 Resp: 231716
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 46.0 30.2 70.2





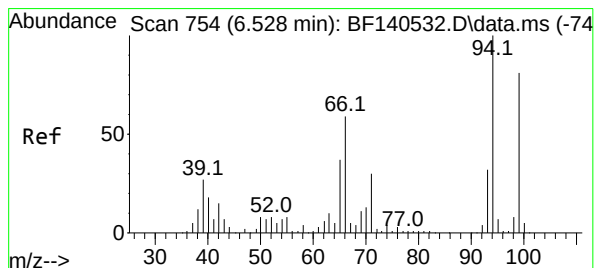
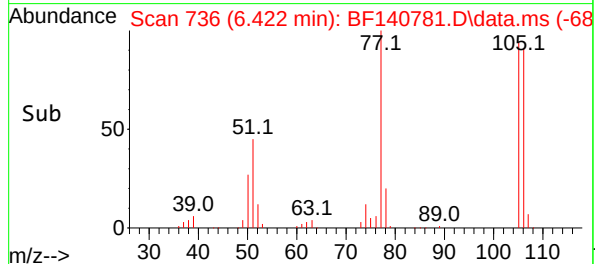
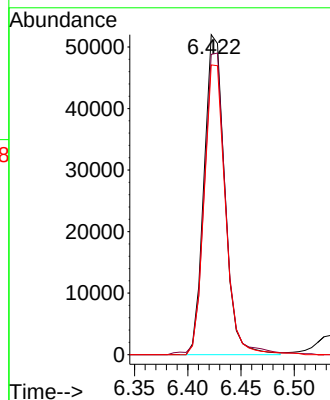
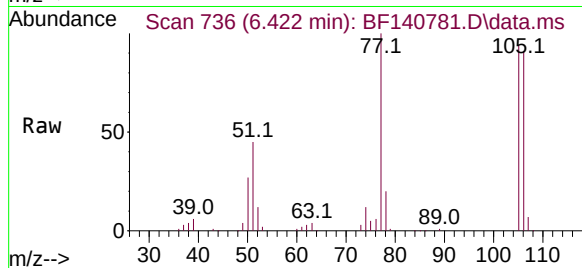
#9
Benzaldehyde
Concen: 24.389 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion: 77 Resp: 70350
Ion Ratio Lower Upper
77 100
105 93.8 75.6 115.6
106 90.6 72.0 112.0

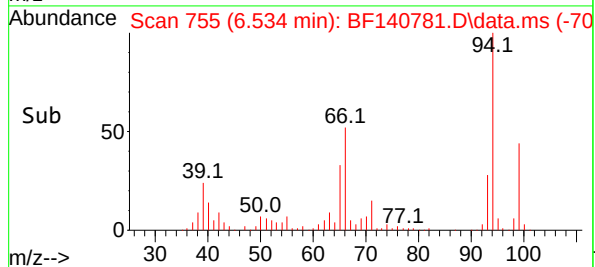
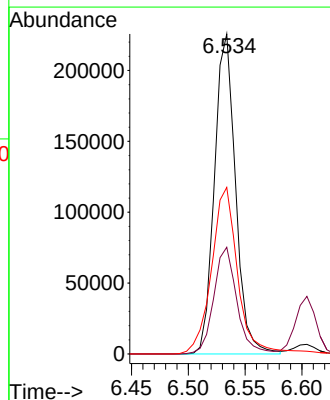
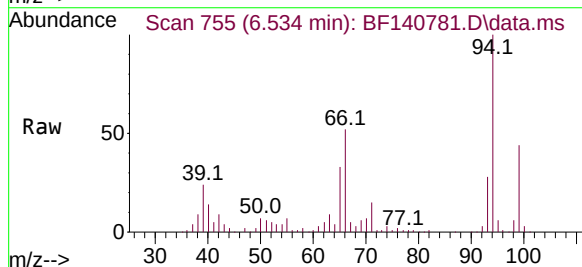
Manual Integrations
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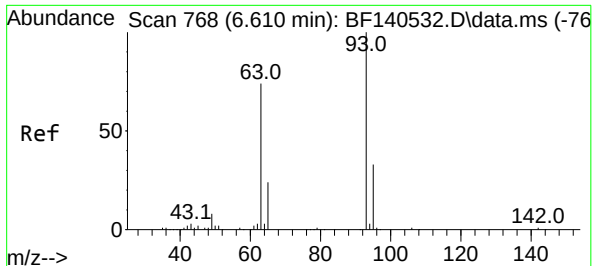
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#10
Phenol
Concen: 52.527 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion: 94 Resp: 292293
Ion Ratio Lower Upper
94 100
65 33.3 17.2 57.2
66 52.0 39.2 79.2





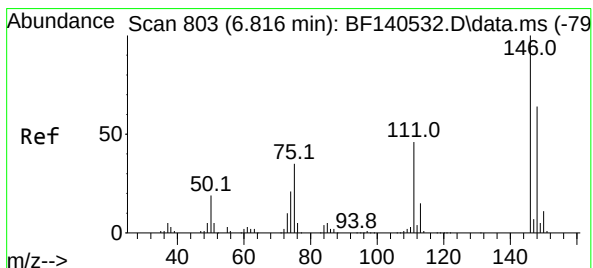
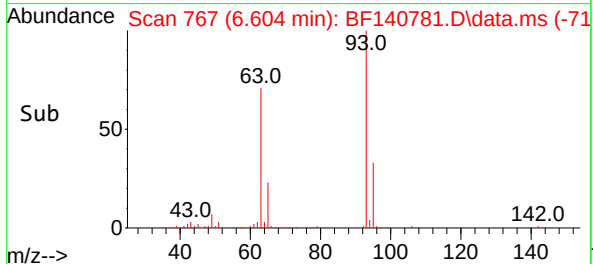
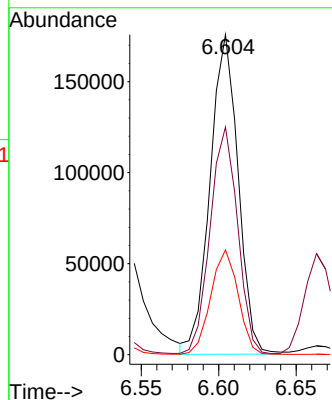
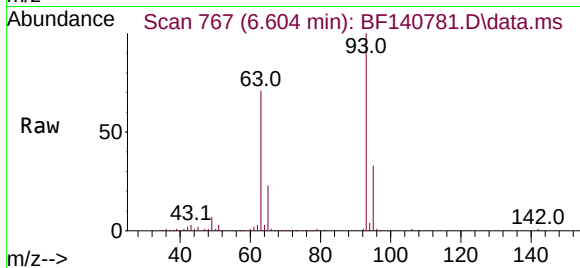
#11
bis(2-Chloroethyl)ether
Concen: 51.922 ng
RT: 6.604 min Scan# 704
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion: 93 Resp: 221094
Ion Ratio Lower Upper
93 100
63 71.1 52.8 92.8
95 32.8 12.3 52.3

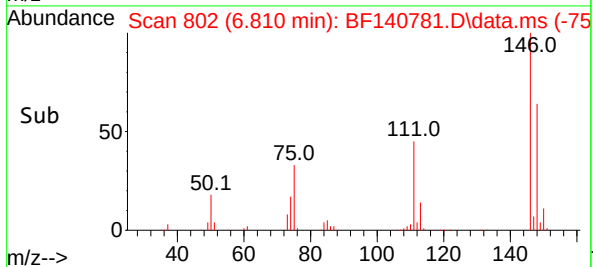
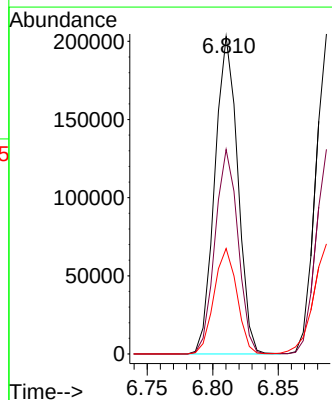
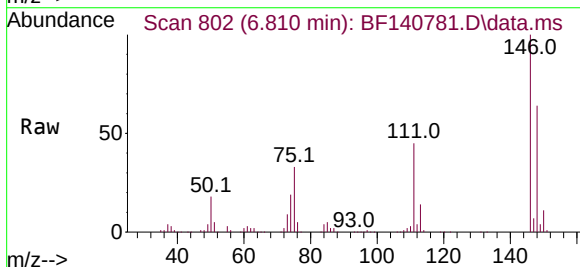
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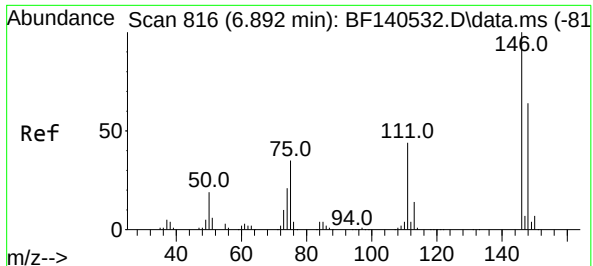
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#12
1,3-Dichlorobenzene
Concen: 49.671 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:146 Resp: 247485
Ion Ratio Lower Upper
146 100
148 64.4 51.3 76.9
75 33.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 49.367 ng

RT: 6.887 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:146 Resp: 24905

Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.6

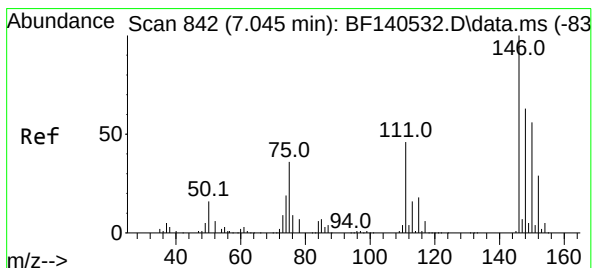
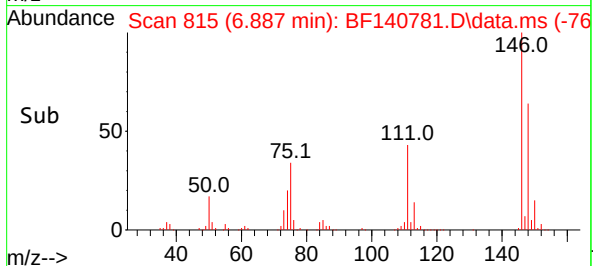
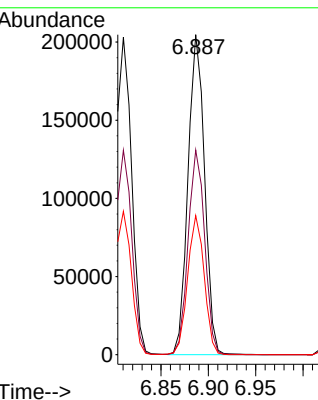
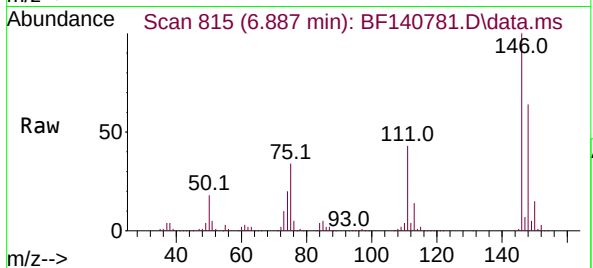
111 43.4 35.3 52.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#14

1,2-Dichlorobenzene

Concen: 50.438 ng

RT: 7.040 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

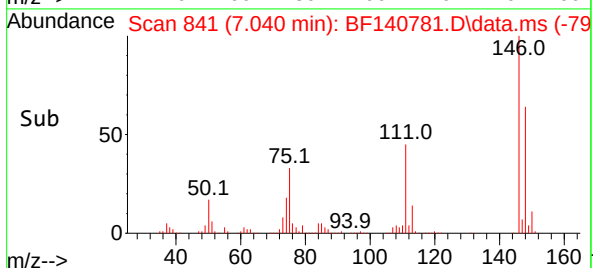
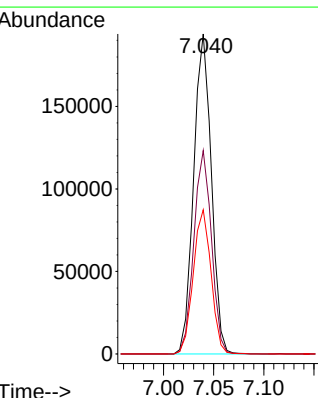
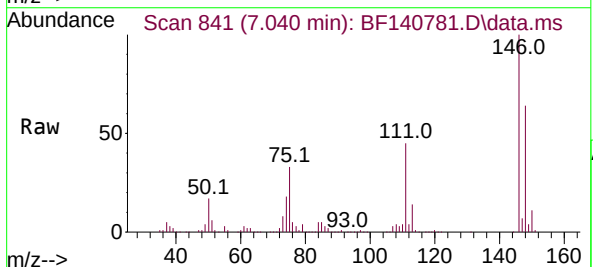
Tgt Ion:146 Resp: 238437

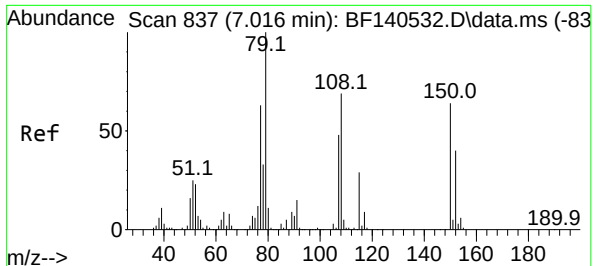
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

111 45.1 36.7 55.1





#15

Benzyl Alcohol

Concen: 49.329 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion: 79 Resp: 199328

Ion Ratio Lower Upper

79 100

108 73.4 55.0 82.6

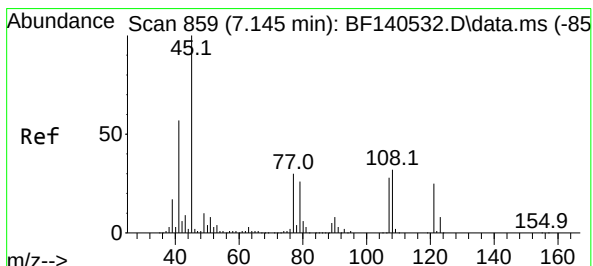
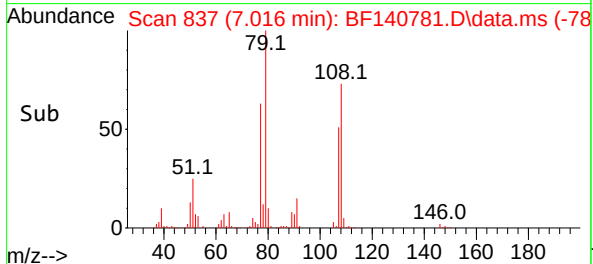
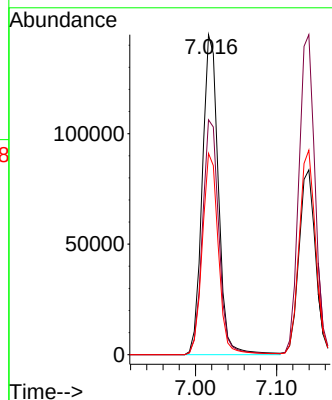
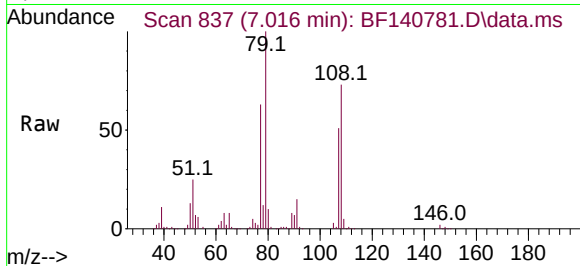
77 62.9 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.216 ng

RT: 7.140 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

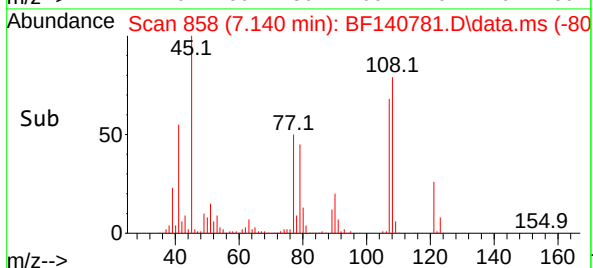
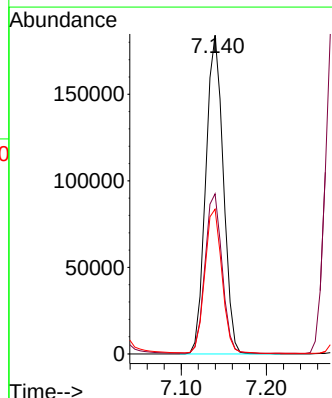
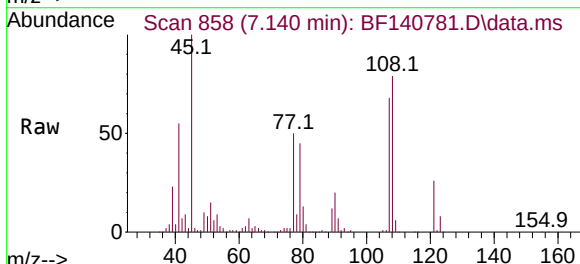
Tgt Ion: 45 Resp: 262680

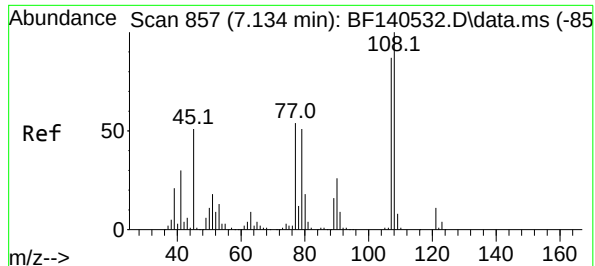
Ion Ratio Lower Upper

45 100

77 50.2 10.7 50.7

79 45.4 7.0 47.0





#17

2-Methylphenol

Concen: 49.065 ng

RT: 7.140 min Scan# 857

Delta R.T. 0.006 min

Lab File: BF140781.D

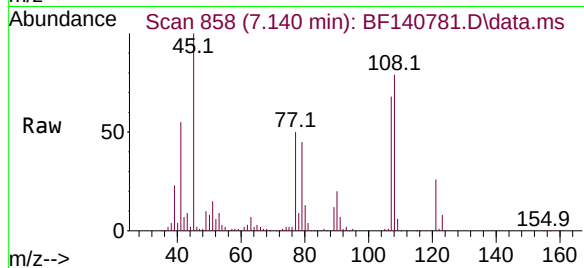
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



Tgt Ion:107 Resp: 174160

Ion Ratio Lower Upper

107 100

108 115.0 91.7 137.5

77 73.5 49.3 73.9

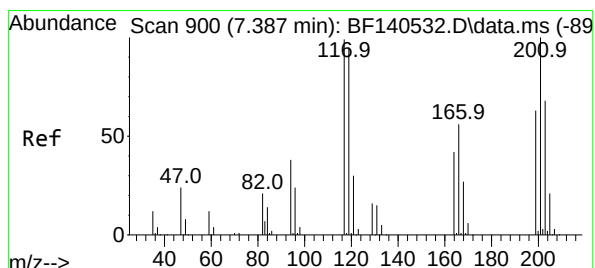
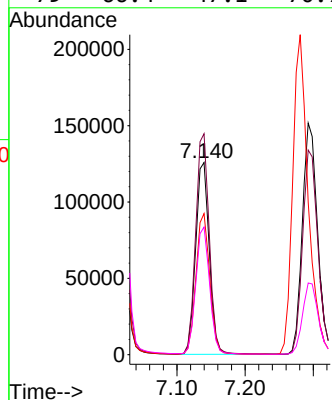
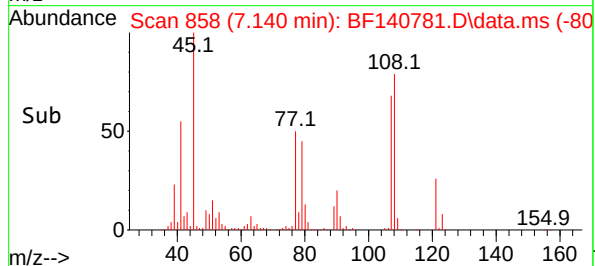
79 66.4 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#18

Hexachloroethane

Concen: 48.206 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

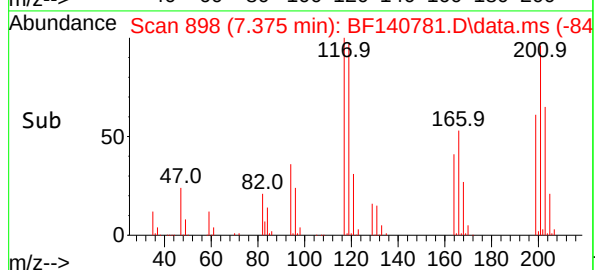
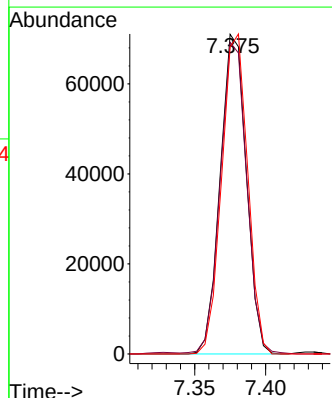
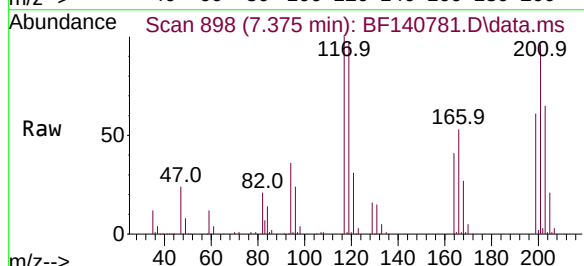
Tgt Ion:117 Resp: 90832

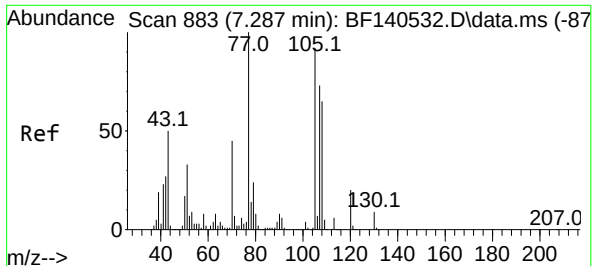
Ion Ratio Lower Upper

117 100

119 97.5 77.1 115.7

201 96.0 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 51.440 ng

RT: 7.281 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF140781.D

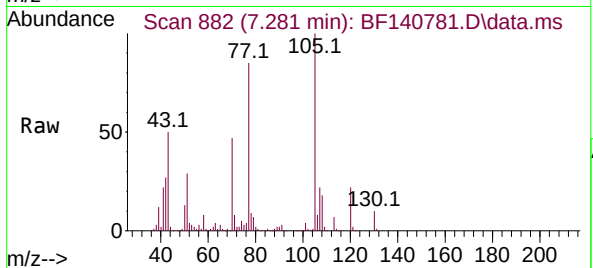
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



Tgt Ion: 70 Resp: 16565

Ion Ratio Lower Upper

70 100

42 57.2 47.6 71.4

101 9.4 7.6 11.4

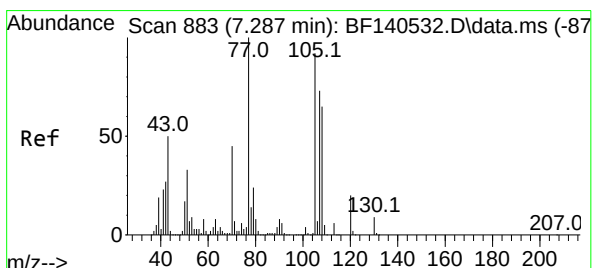
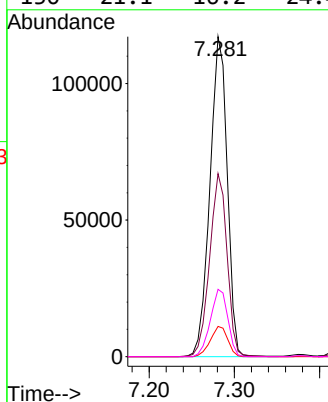
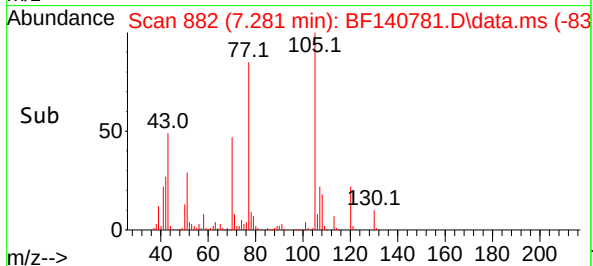
130 21.1 16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#20

3+4-Methylphenols

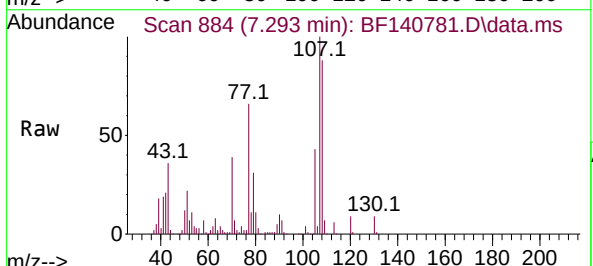
Concen: 52.203 ng

RT: 7.293 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36



Tgt Ion:107 Resp: 238171

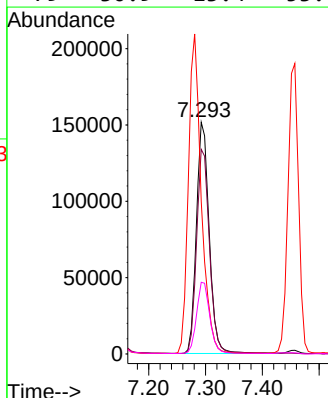
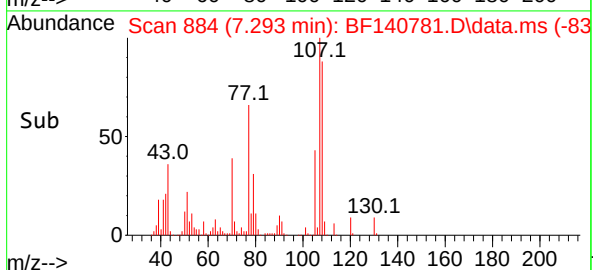
Ion Ratio Lower Upper

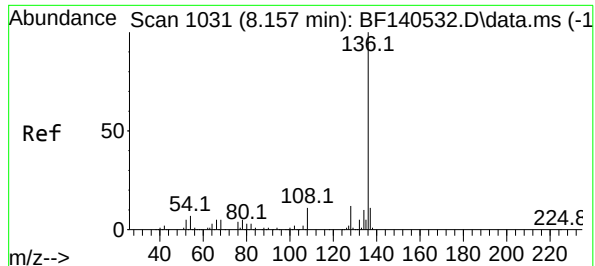
107 100

108 88.3 69.9 109.9

77 65.8 117.7 157.7#

79 30.9 13.4 53.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:136 Resp: 25219

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.9 5.8 8.8

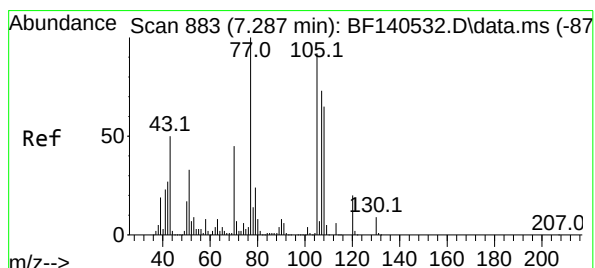
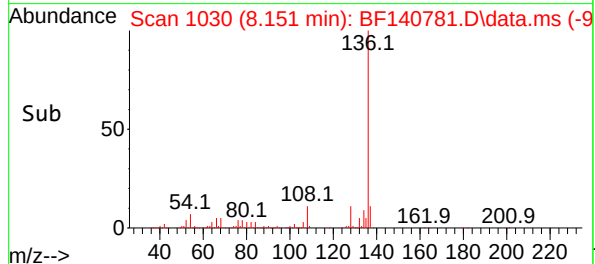
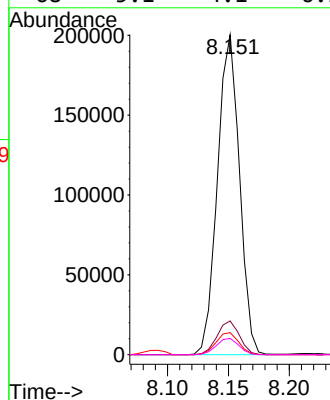
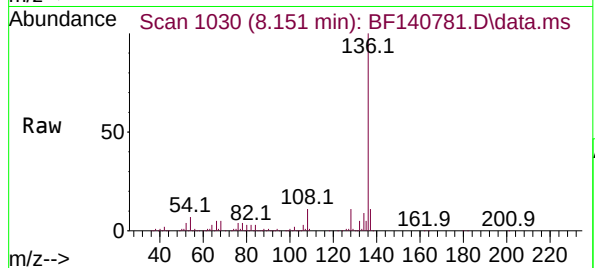
68 5.1 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#22

Acetophenone

Concen: 52.156 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Tgt Ion:105 Resp: 320678

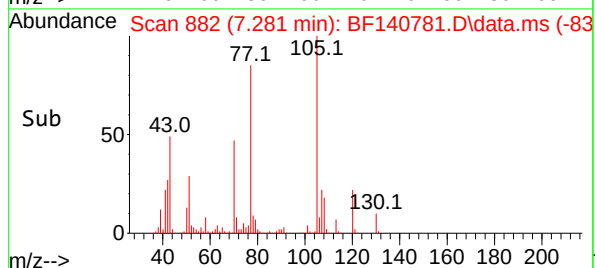
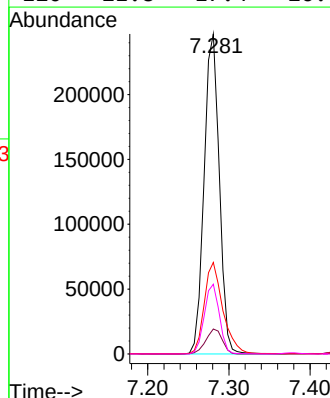
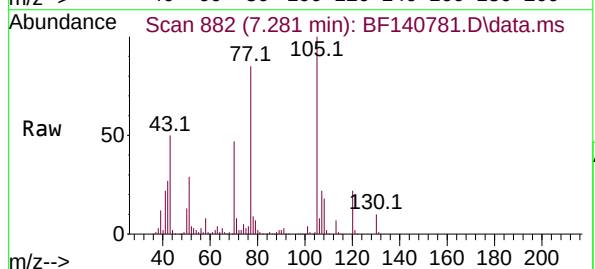
Ion Ratio Lower Upper

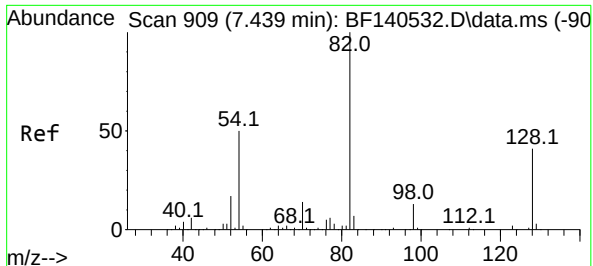
105 100

71 7.8 6.2 9.2

51 28.6 29.0 43.6#

120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 80.180 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion: 82 Resp: 395330

Ion Ratio Lower Upper

82 100

128 43.5 33.0 49.4

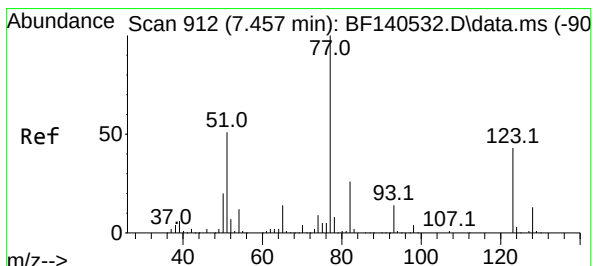
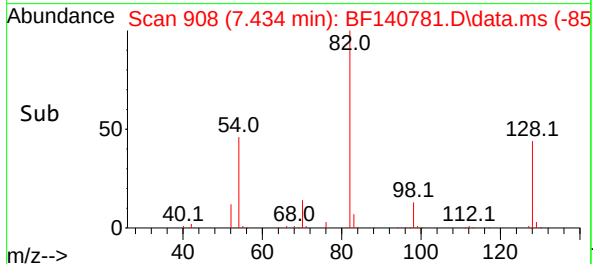
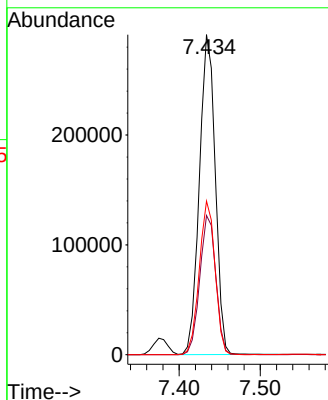
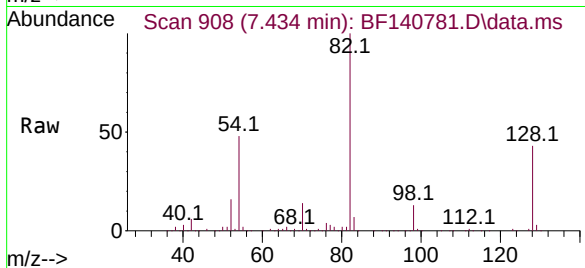
54 48.0 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#24

Nitrobenzene

Concen: 48.338 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

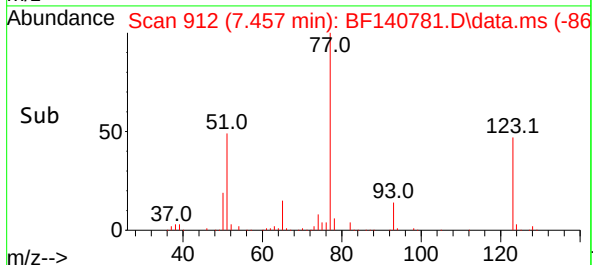
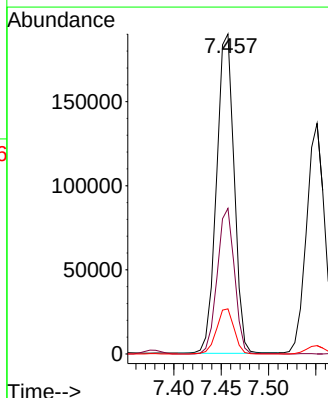
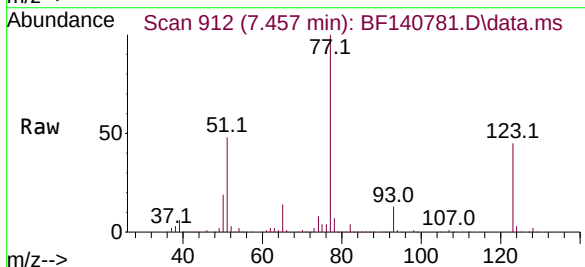
Tgt Ion: 77 Resp: 246320

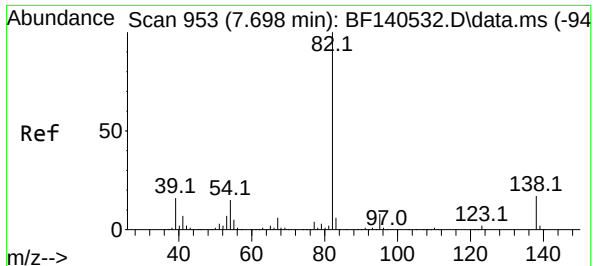
Ion Ratio Lower Upper

77 100

123 45.5 34.3 51.5

65 14.1 11.2 16.8





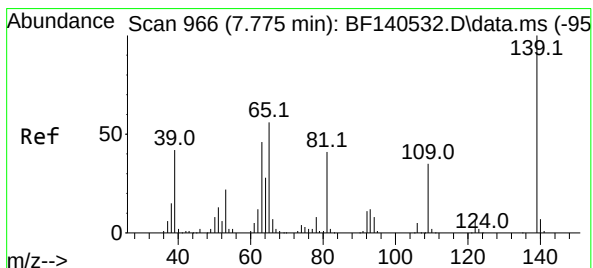
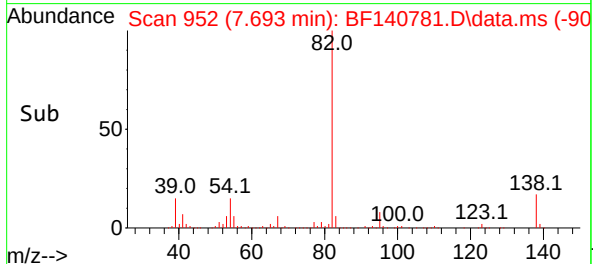
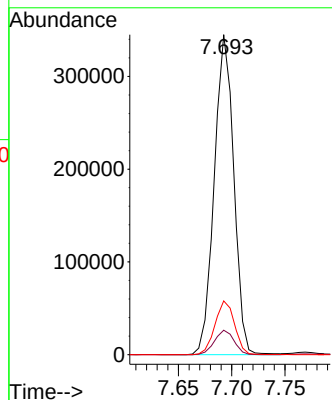
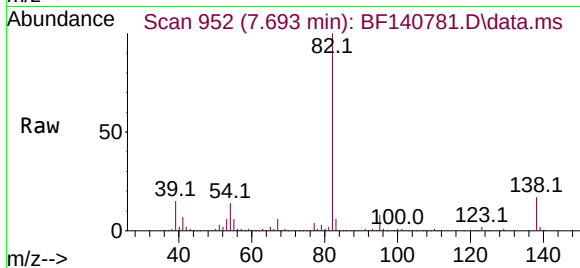
#25
Isophorone
Concen: 53.387 ng
RT: 7.693 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion: 82 Resp: 43904
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 16.8 13.8 20.6

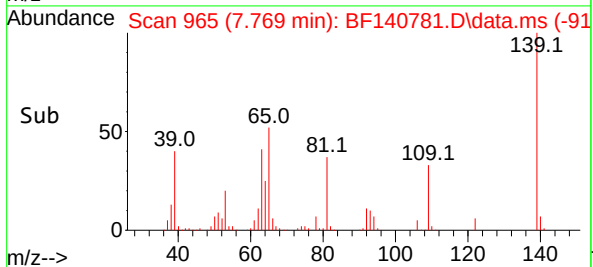
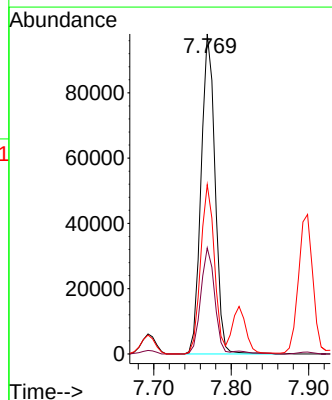
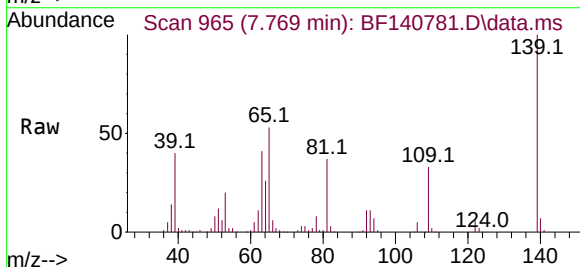
Manual Integrations
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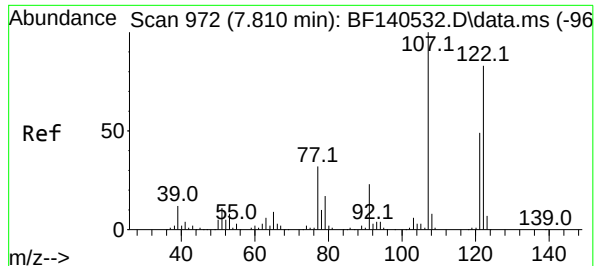
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#26
2-Nitrophenol
Concen: 54.330 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:139 Resp: 122690
Ion Ratio Lower Upper
139 100
109 33.1 28.0 42.0
65 52.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 66.758 ng m

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:122 Resp: 18037

Ion Ratio Lower Upper

122 100

107 117.2 96.8 145.2

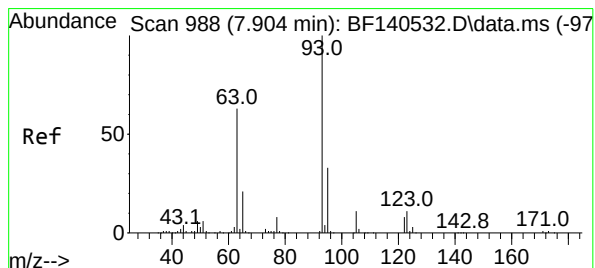
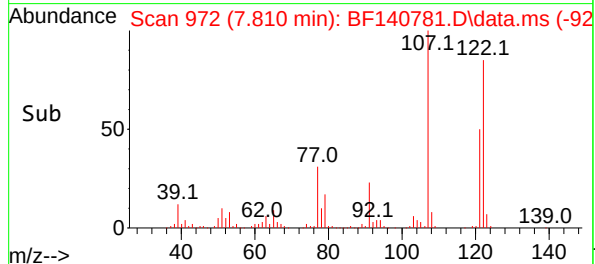
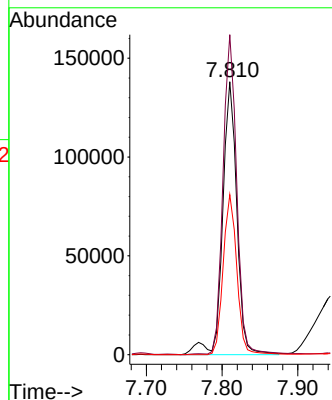
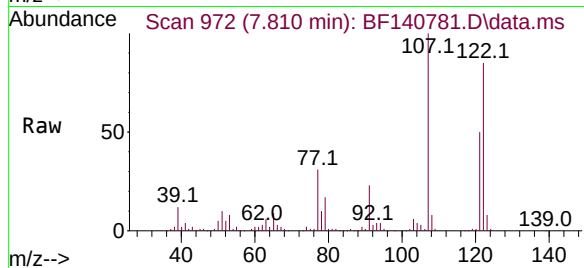
121 58.6 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#28

bis(2-Chloroethoxy)methane

Concen: 53.941 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

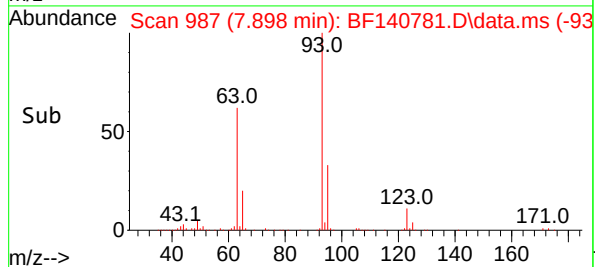
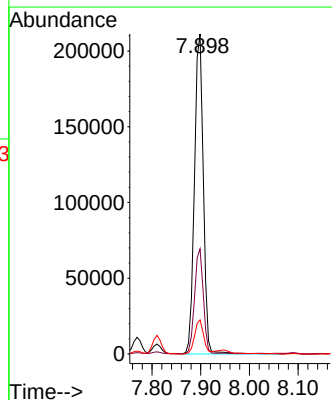
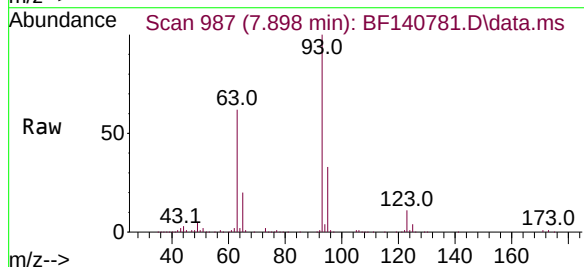
Tgt Ion: 93 Resp: 270241

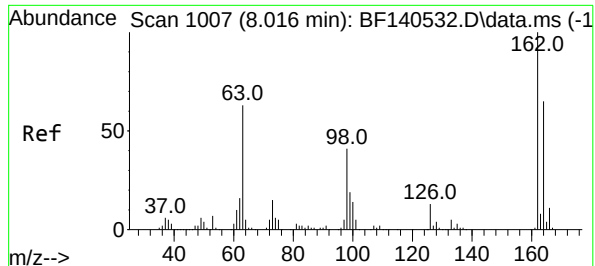
Ion Ratio Lower Upper

93 100

95 32.8 26.1 39.1

123 10.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 53.382 ng

RT: 8.022 min Scan# 1007

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:162 Resp: 191124

Ion Ratio Lower Upper

162 100

164 63.0 44.8 84.8

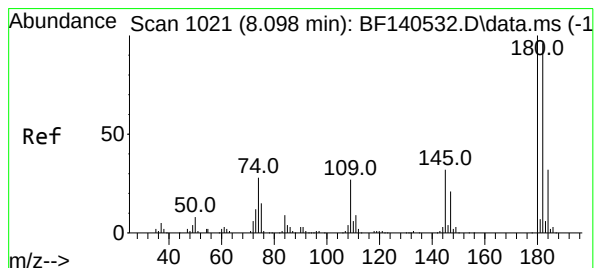
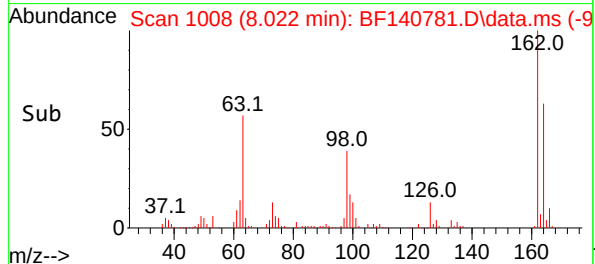
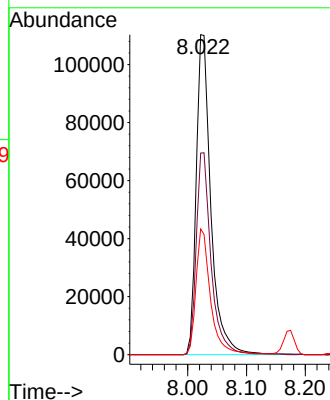
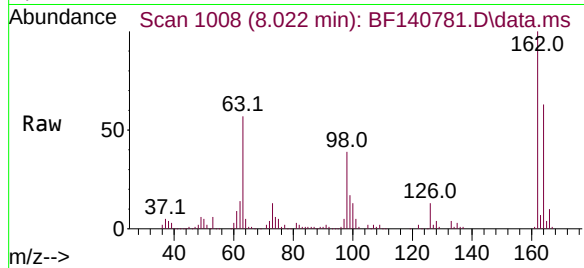
98 39.3 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#30

1,2,4-Trichlorobenzene

Concen: 49.739 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

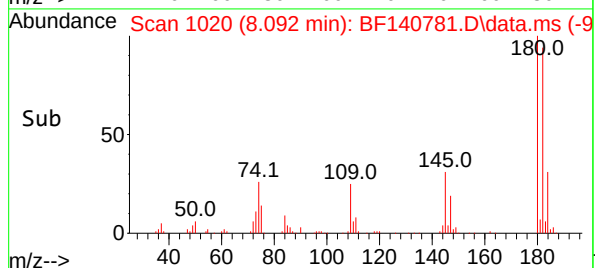
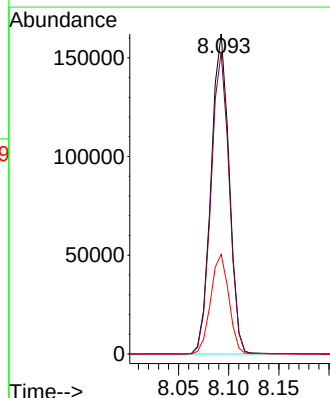
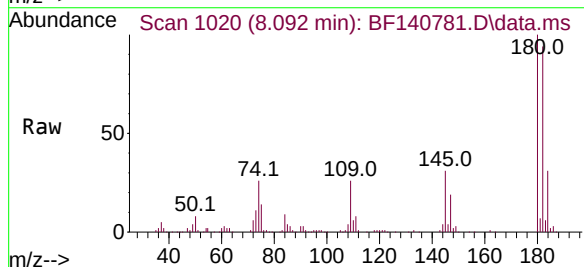
Tgt Ion:180 Resp: 203328

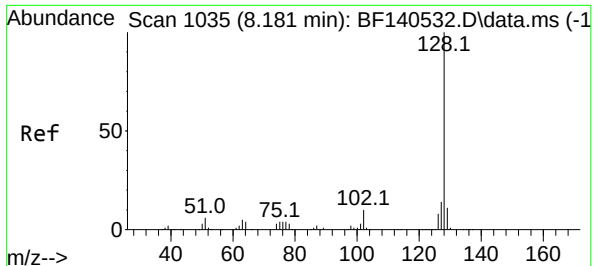
Ion Ratio Lower Upper

180 100

182 94.2 76.4 114.6

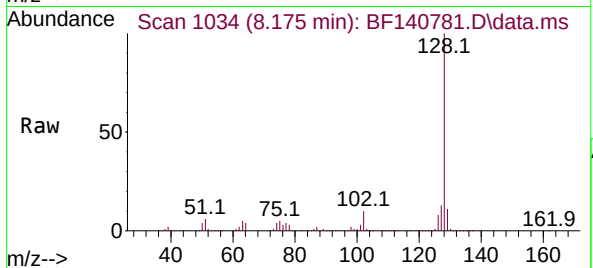
145 31.1 25.9 38.9





#31
Naphthalene
Concen: 54.627 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

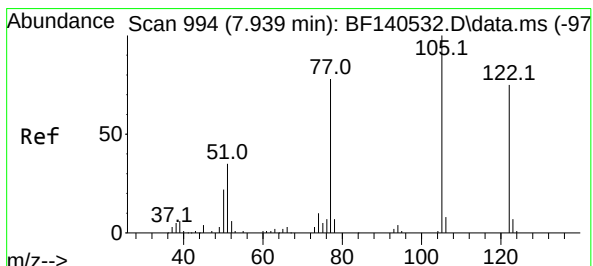
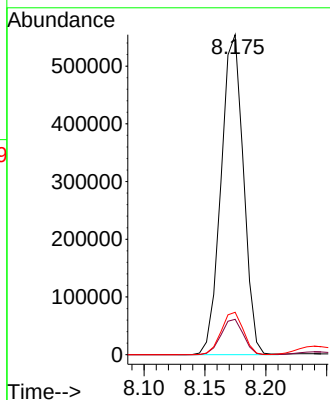
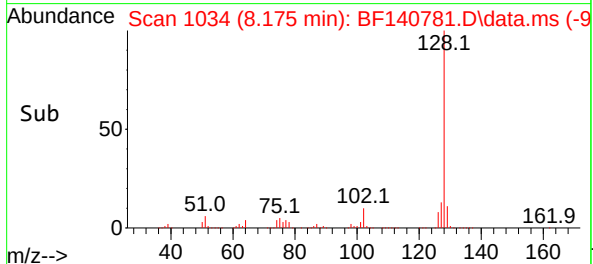
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:128 Resp: 70962
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.3 10.8 16.2

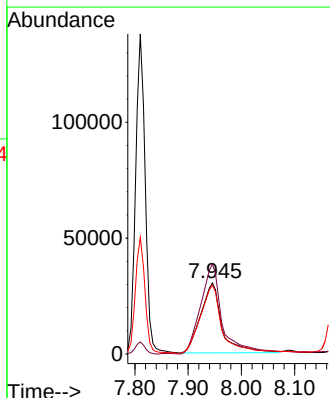
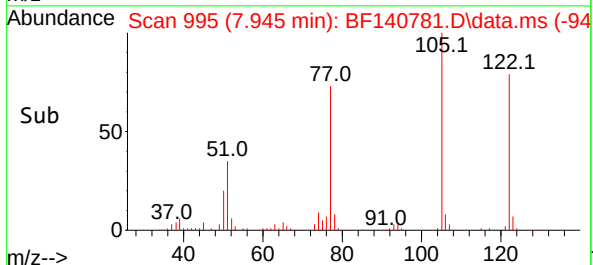
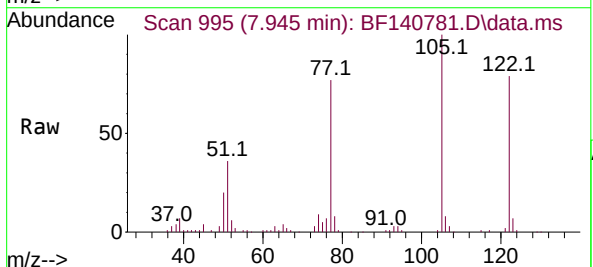
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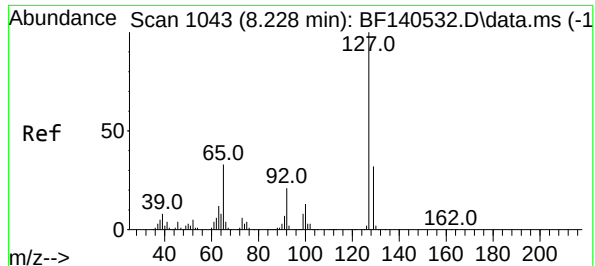
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#32
Benzoic acid
Concen: 37.752 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:122 Resp: 84518
Ion Ratio Lower Upper
122 100
105 126.5 109.3 149.3
77 97.0 82.3 122.3





#33

4-Chloroaniline

Concen: 10.782 ng

RT: 8.240 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:127 Resp: 41934

Ion Ratio Lower Upper

127 100

129 33.7 26.0 39.0

65 33.4 26.0 39.0

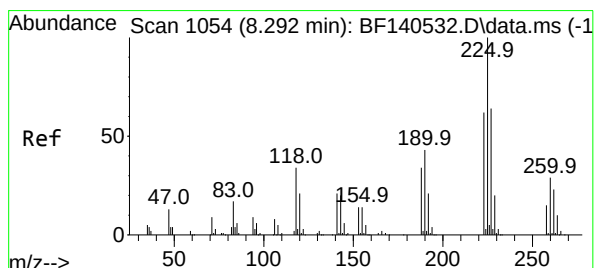
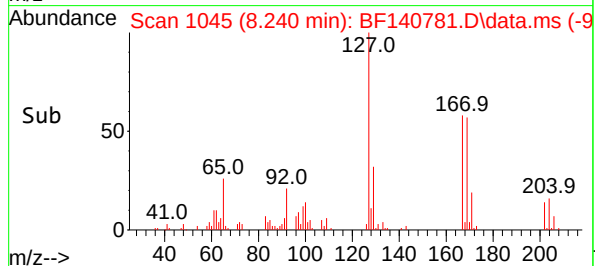
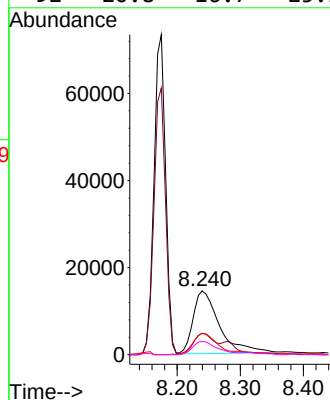
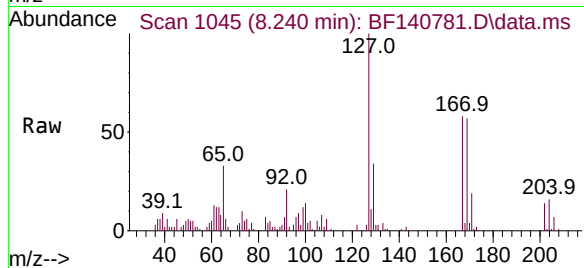
92 20.8 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#34

Hexachlorobutadiene

Concen: 50.340 ng

RT: 8.281 min Scan# 1052

Delta R.T. -0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

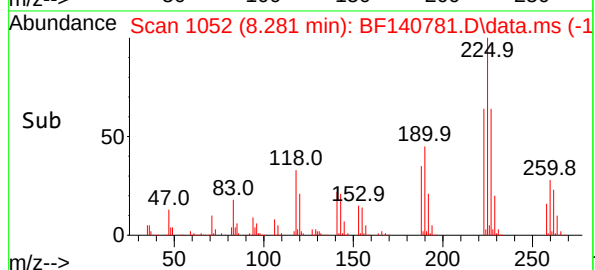
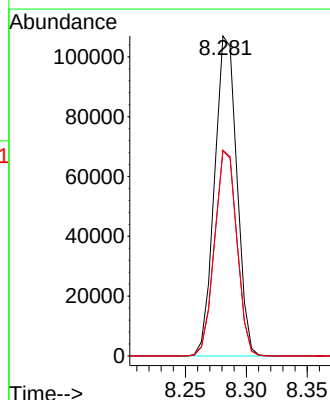
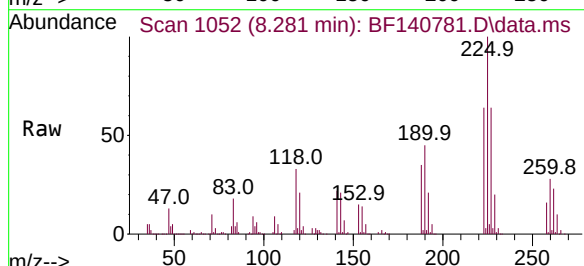
Tgt Ion:225 Resp: 136302

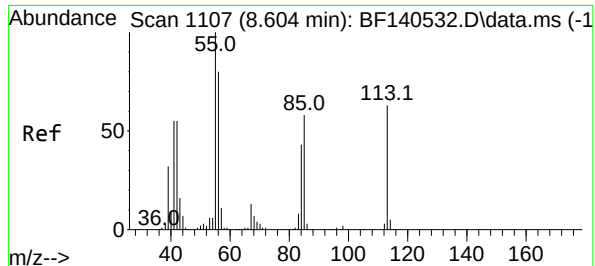
Ion Ratio Lower Upper

225 100

223 64.2 49.8 74.8

227 64.3 51.3 76.9





#35

Caprolactam

Concen: 50.389 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:113 Resp: 55830

Ion Ratio Lower Upper

113 100

55 148.3 137.7 177.7

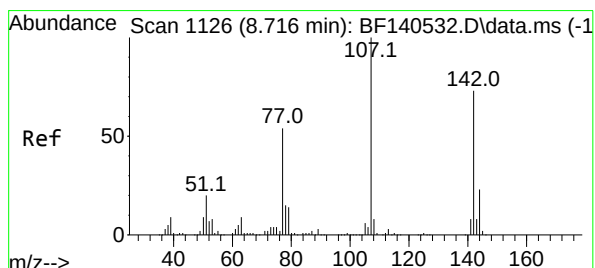
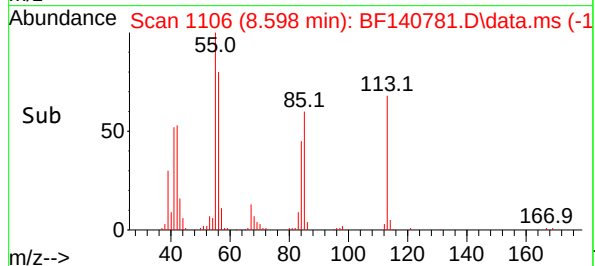
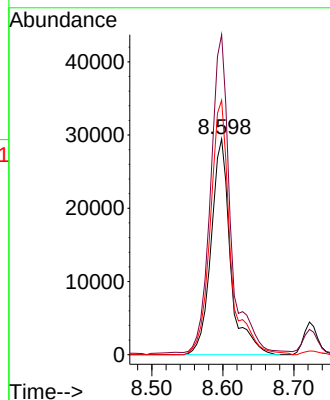
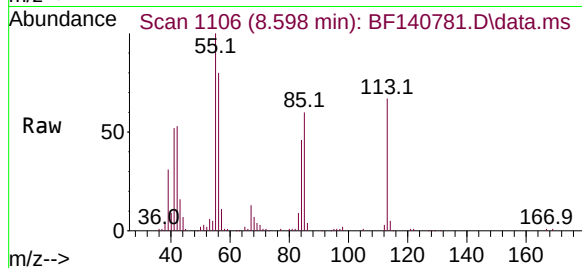
56 117.9 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#36

4-Chloro-3-methylphenol

Concen: 47.848 ng

RT: 8.722 min Scan# 1127

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

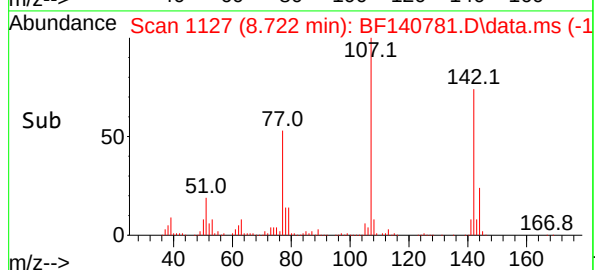
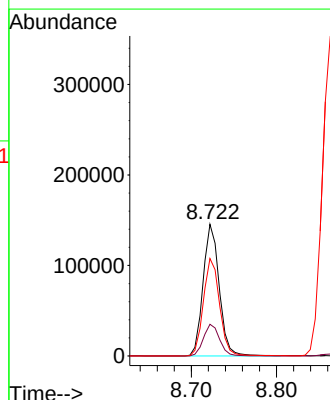
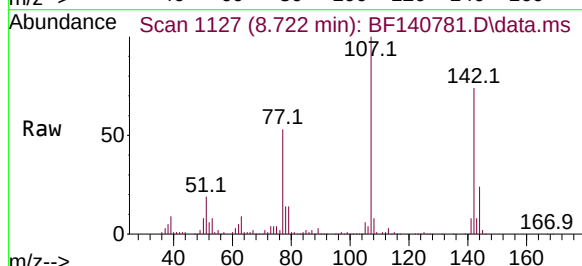
Tgt Ion:107 Resp: 191803

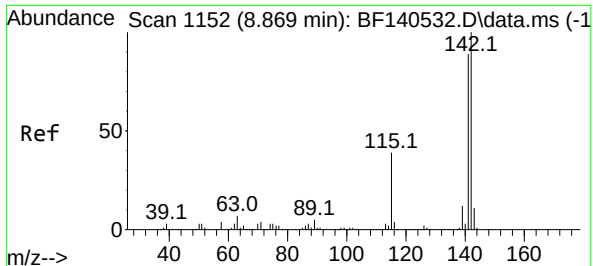
Ion Ratio Lower Upper

107 100

144 24.0 18.7 28.1

142 74.0 58.3 87.5





#37

2-Methylnaphthalene

Concen: 54.051 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:142 Resp: 44597

Ion Ratio Lower Upper

142 100

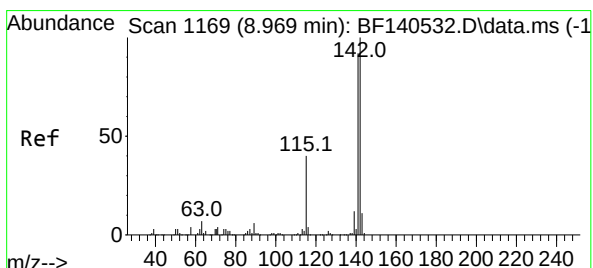
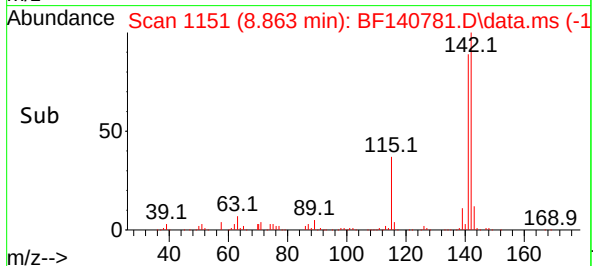
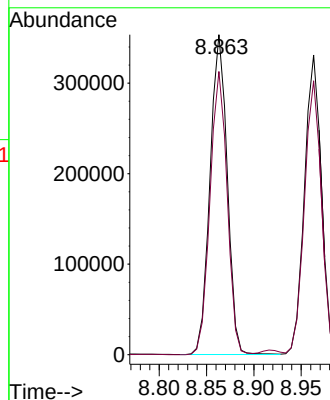
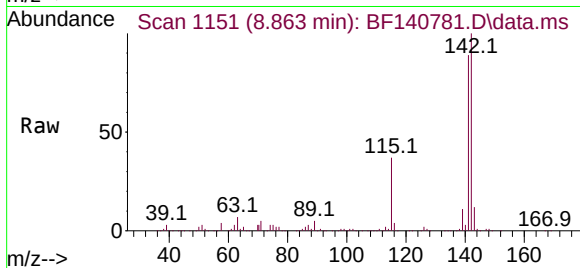
141 88.5 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#38

1-Methylnaphthalene

Concen: 50.776 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140781.D

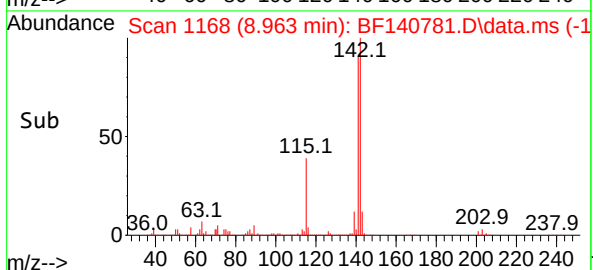
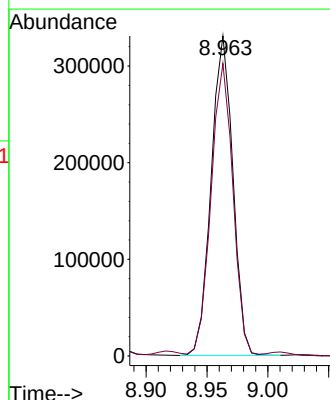
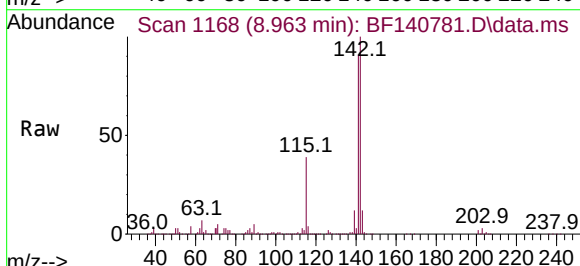
Acq: 06 Dec 2024 21:36

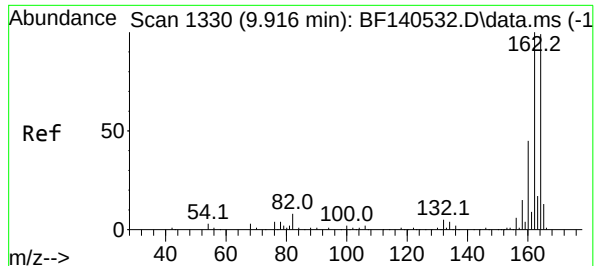
Tgt Ion:142 Resp: 410655

Ion Ratio Lower Upper

142 100

141 91.4 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:164 Resp: 12292

Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

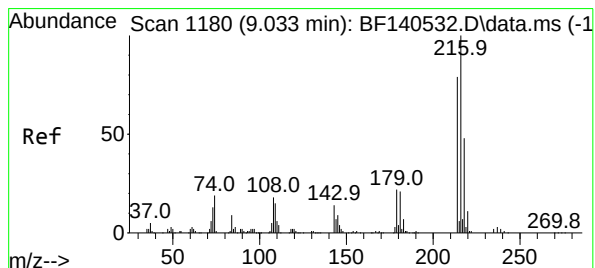
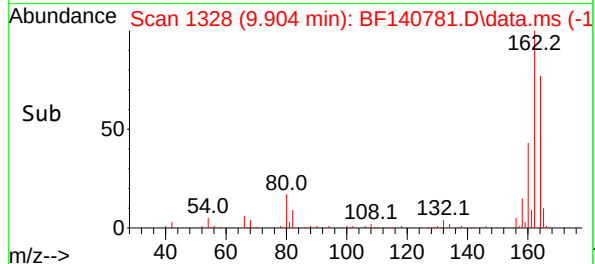
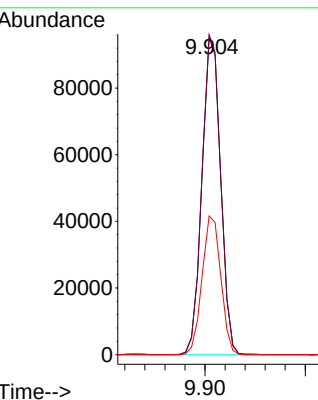
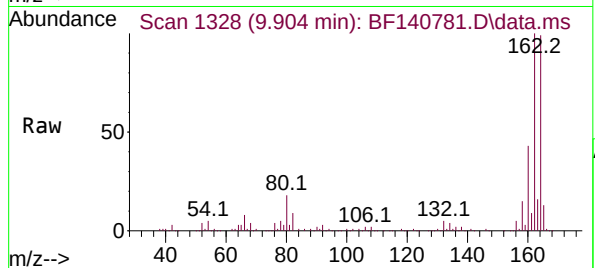
160 43.7 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.228 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Tgt Ion:216 Resp: 205939

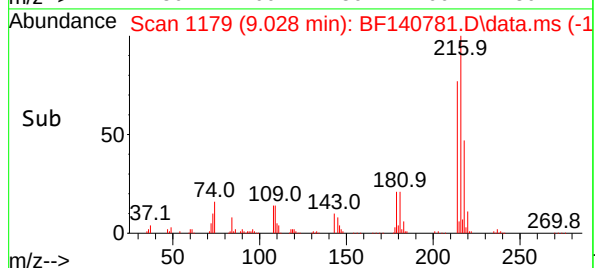
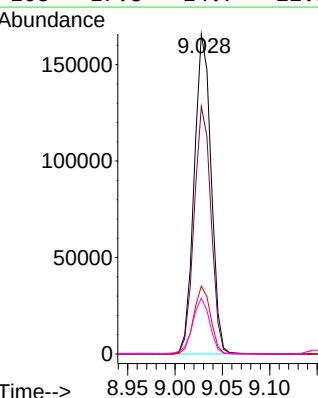
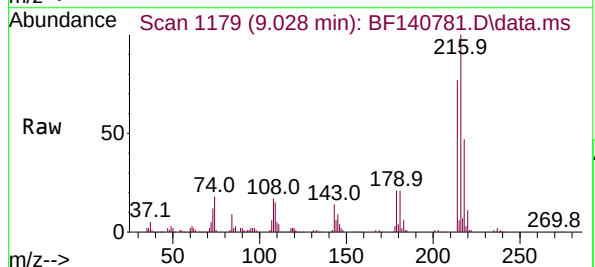
Ion Ratio Lower Upper

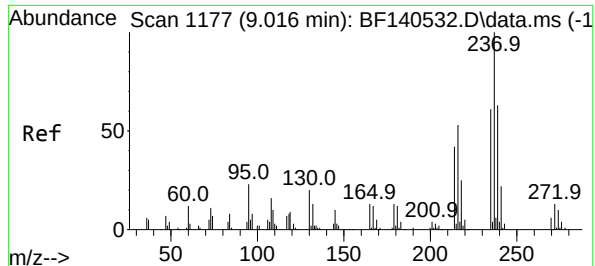
216 100

214 77.3 63.0 94.4

179 21.0 17.5 26.3

108 17.8 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 52.151 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:237 Resp: 39924

Ion Ratio Lower Upper

237 100

235 62.0 41.1 81.1

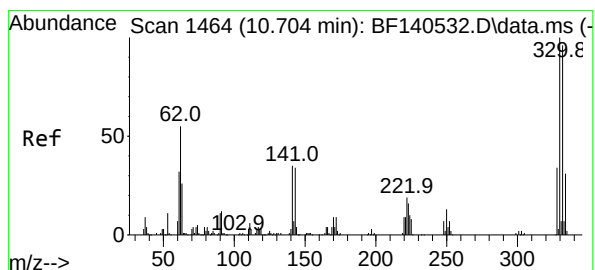
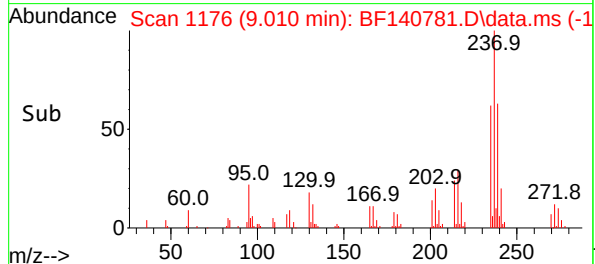
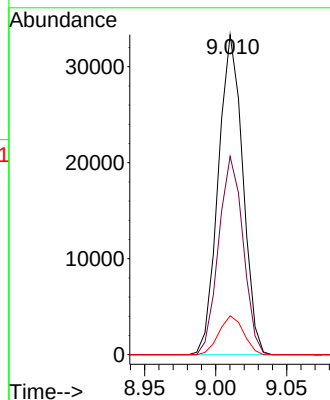
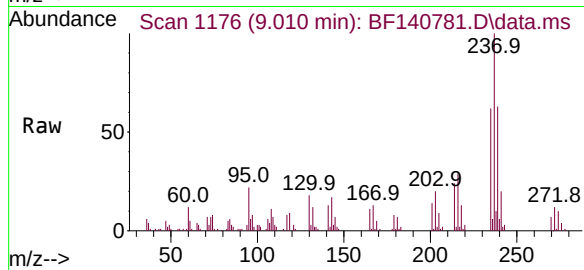
272 12.1 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#42

2,4,6-Tribromophenol

Concen: 107.324 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

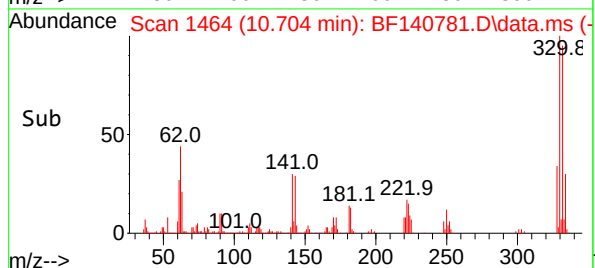
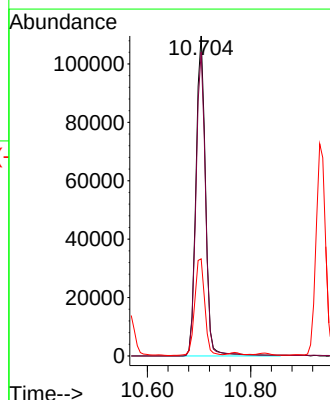
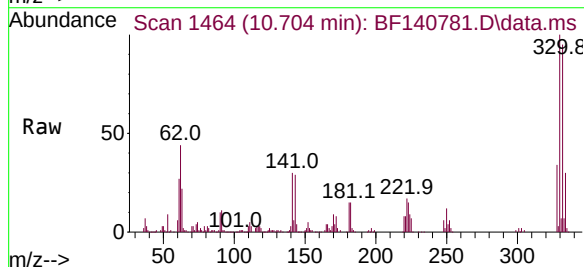
Tgt Ion:330 Resp: 141094

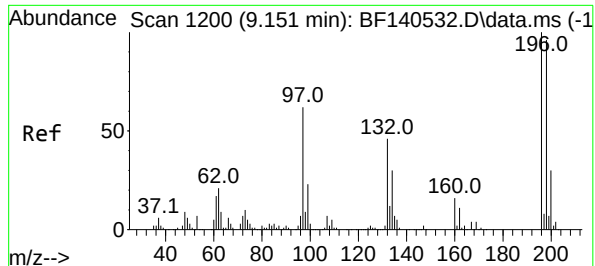
Ion Ratio Lower Upper

330 100

332 94.8 76.9 115.3

141 31.7 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 54.858 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:196 Resp: 123872

Ion Ratio Lower Upper

196 100

198 95.8 76.8 115.2

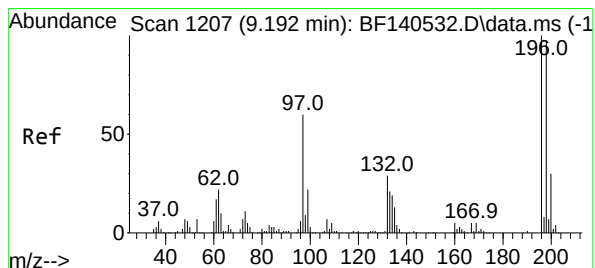
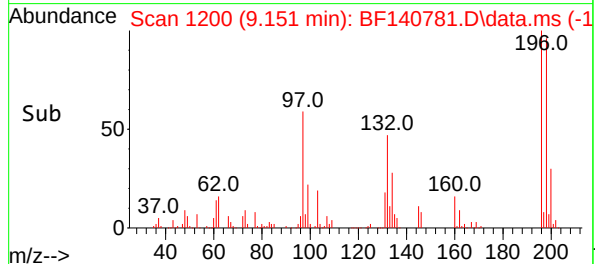
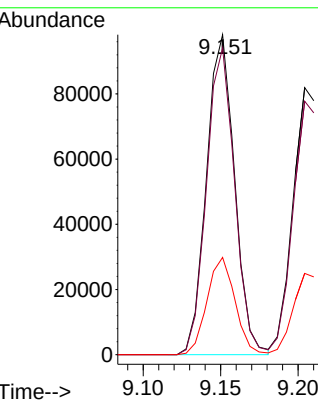
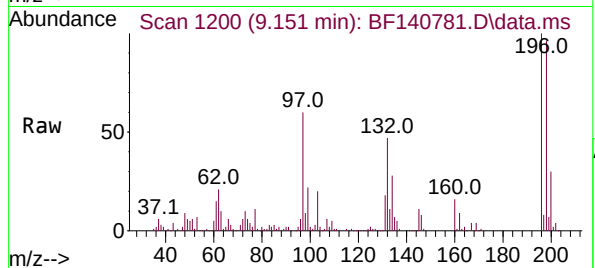
200 30.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#44

2,4,5-Trichlorophenol

Concen: 50.852 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Tgt Ion:196 Resp: 124620

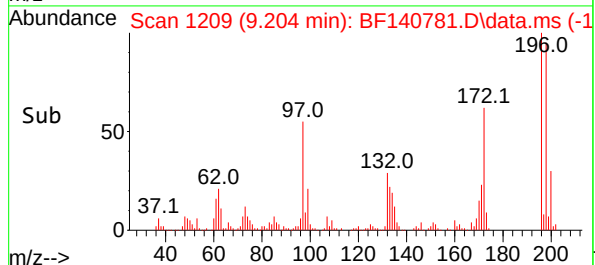
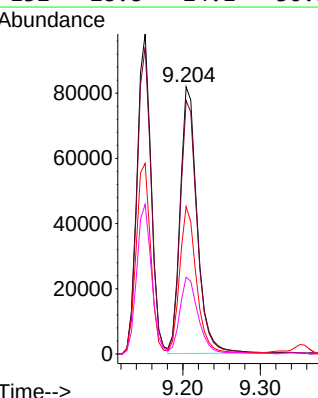
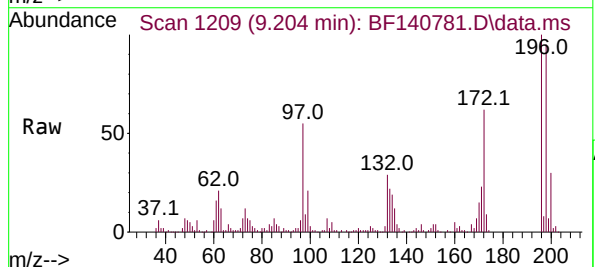
Ion Ratio Lower Upper

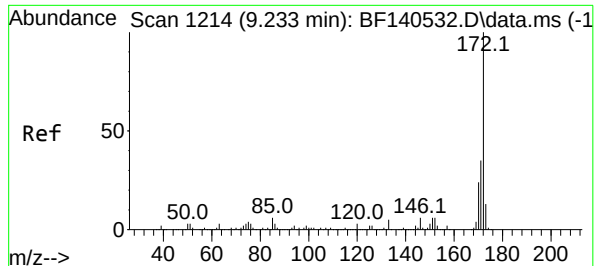
196 100

198 94.9 77.2 115.8

97 55.2 47.1 70.7

132 28.8 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 85.641 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:172 Resp: 706549

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

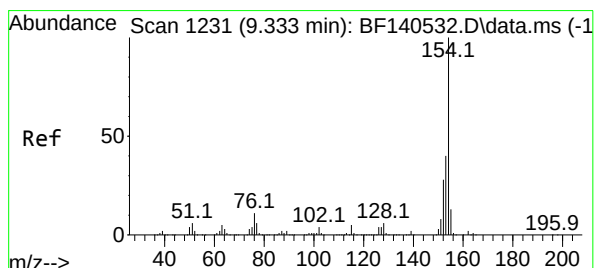
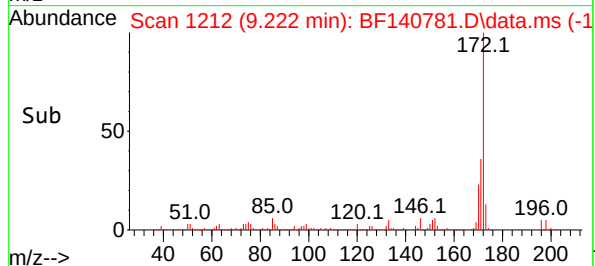
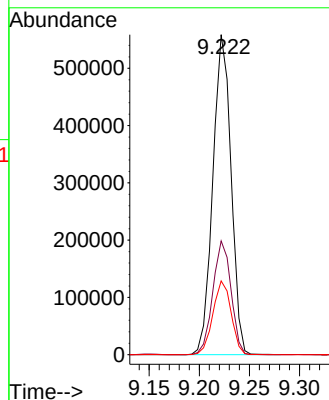
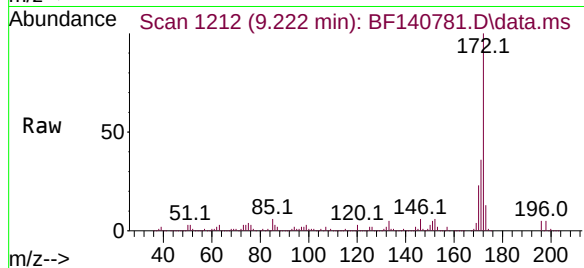
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#46

1,1'-Biphenyl

Concen: 56.806 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

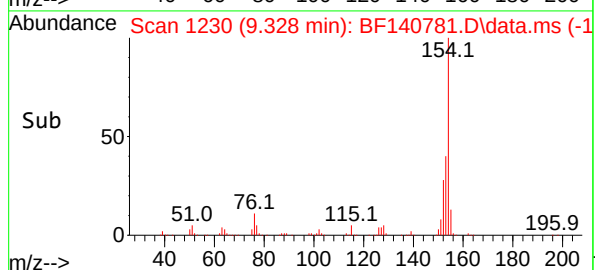
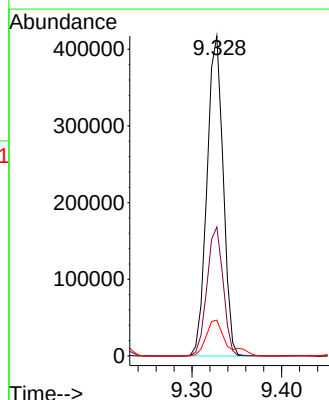
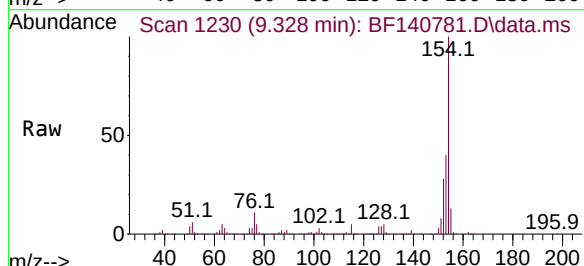
Tgt Ion:154 Resp: 521334

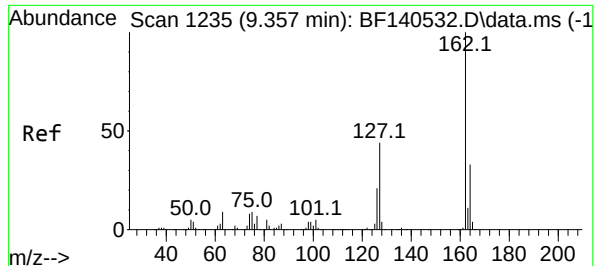
Ion Ratio Lower Upper

154 100

153 40.3 20.4 60.4

76 11.2 0.0 31.2





#47

2-Chloronaphthalene

Concen: 53.566 ng

RT: 9.351 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:162 Resp: 372490

Ion Ratio Lower Upper

162 100

127 44.2 35.7 53.5

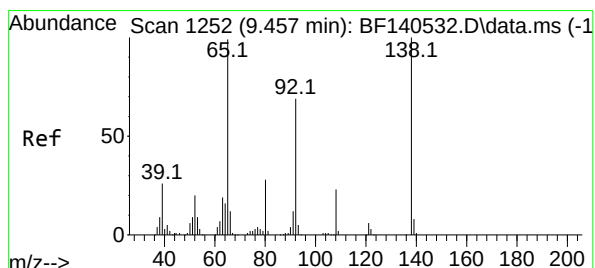
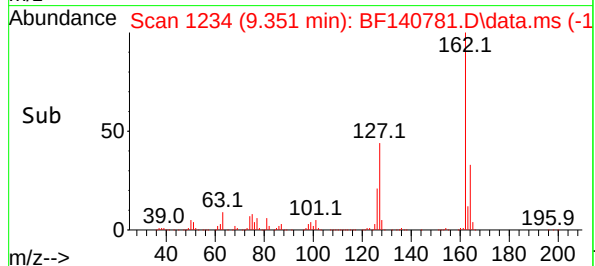
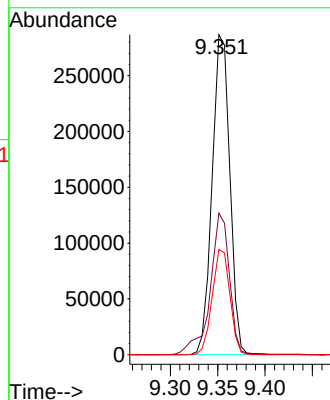
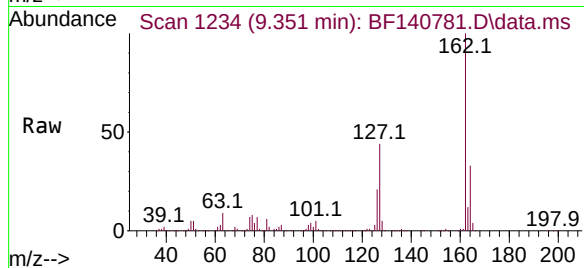
164 32.8 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#48

2-Nitroaniline

Concen: 51.490 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

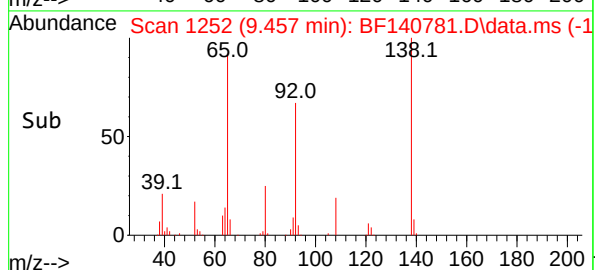
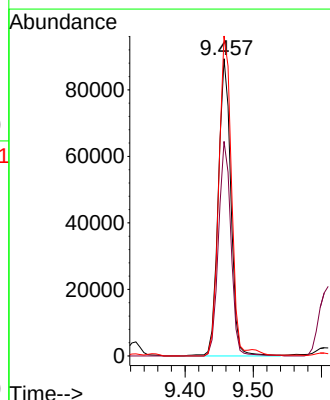
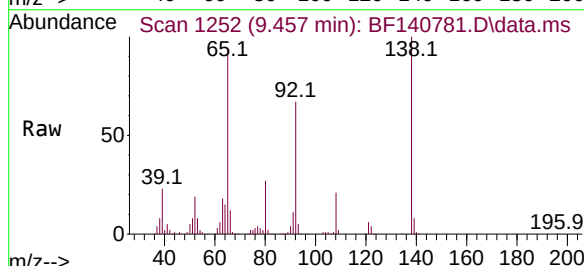
Tgt Ion: 65 Resp: 114930

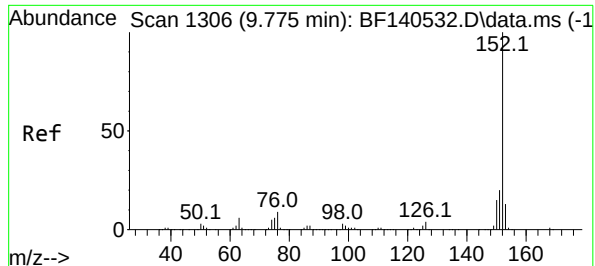
Ion Ratio Lower Upper

65 100

92 72.2 56.1 84.1

138 107.6 81.0 121.6





#49

Acenaphthylene

Concen: 57.874 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:152 Resp: 60808

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

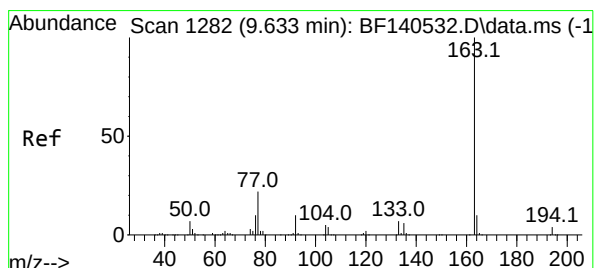
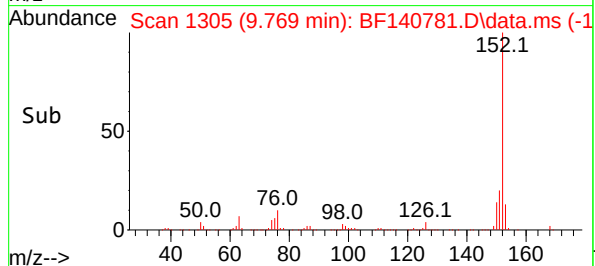
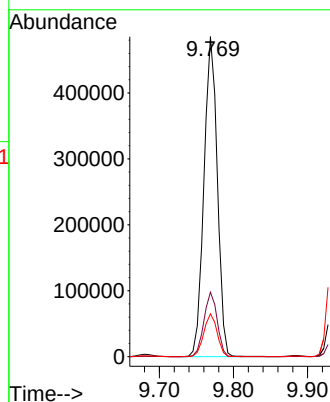
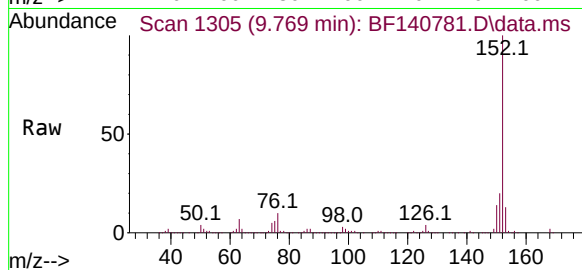
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#50

Dimethylphthalate

Concen: 56.160 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

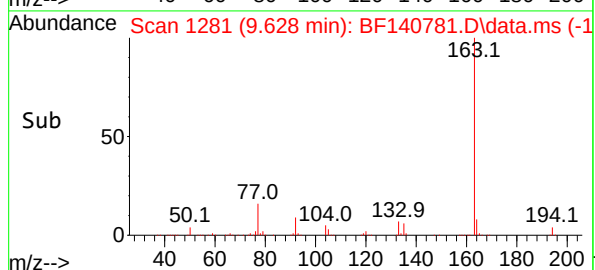
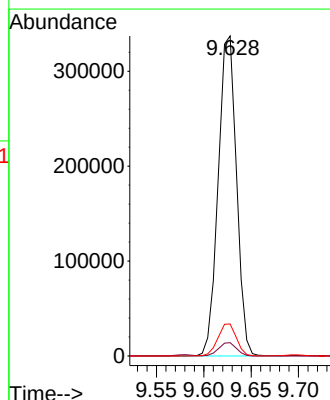
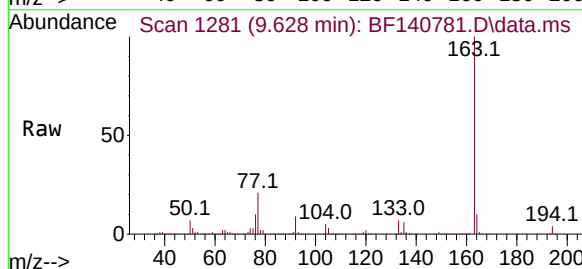
Tgt Ion:163 Resp: 454648

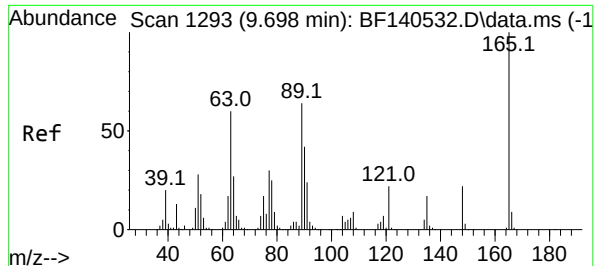
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

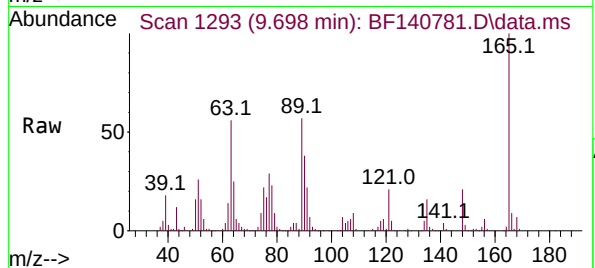
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 51.055 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

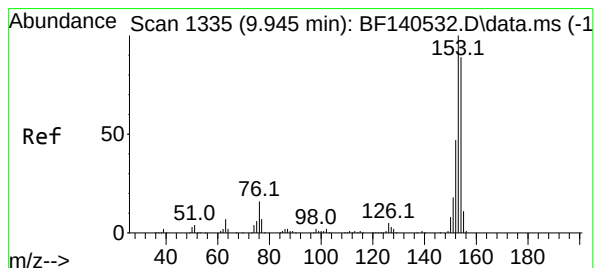
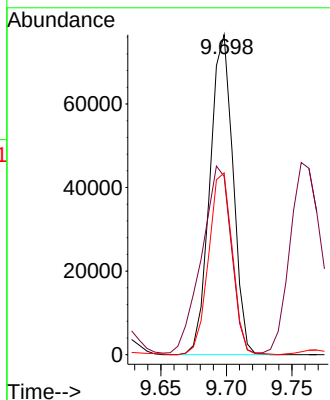
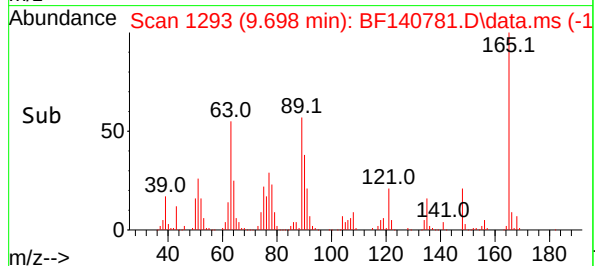
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:165 Resp: 93739
Ion Ratio Lower Upper
165 100
63 55.7 49.9 74.9
89 56.8 50.9 76.3

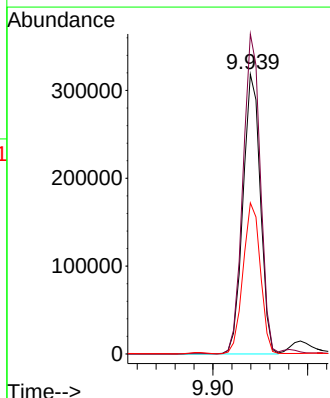
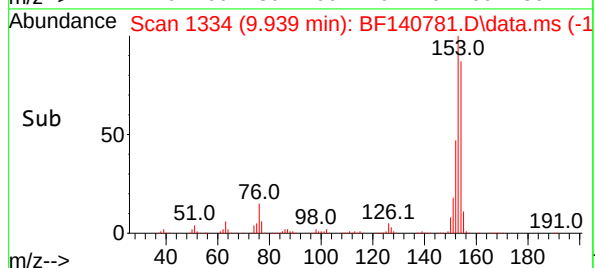
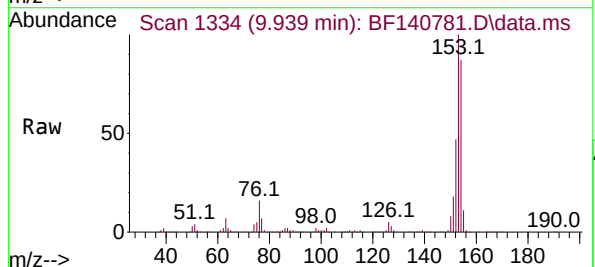
Manual Integrations
APPROVED

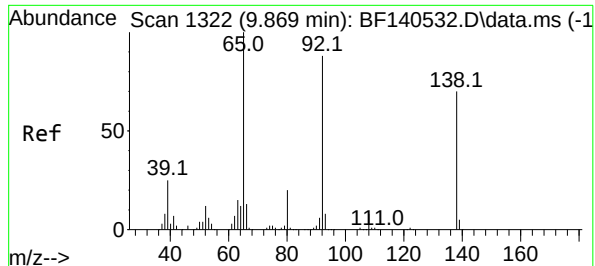
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#52
Acenaphthene
Concen: 60.804 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:154 Resp: 405927
Ion Ratio Lower Upper
154 100
153 114.4 89.7 134.5
152 54.0 42.5 63.7





#53

3-Nitroaniline

Concen: 30.729 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:138 Resp: 5518

Ion Ratio Lower Upper

138 100

108 10.9 9.2 13.8

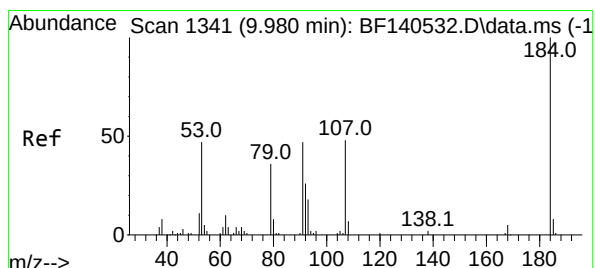
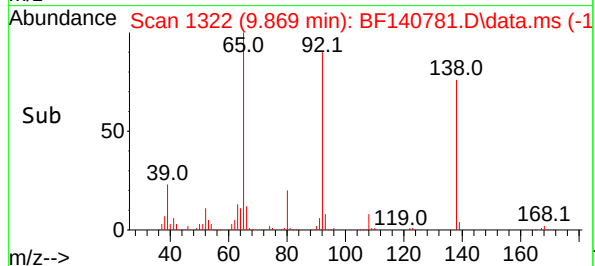
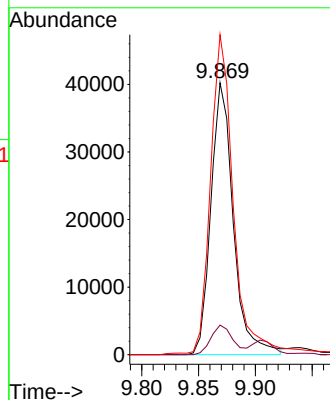
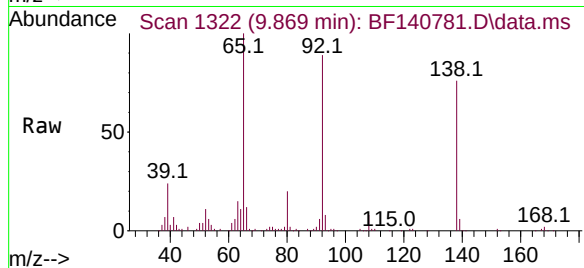
92 117.7 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#54

2,4-Dinitrophenol

Concen: 44.398 ng

RT: 9.992 min Scan# 1343

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

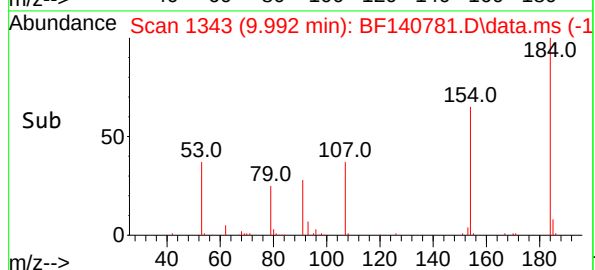
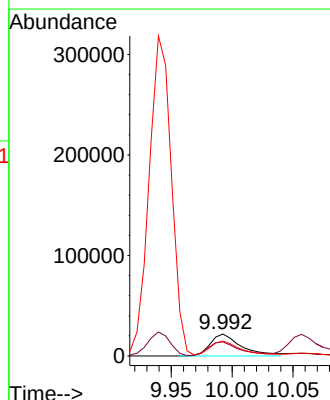
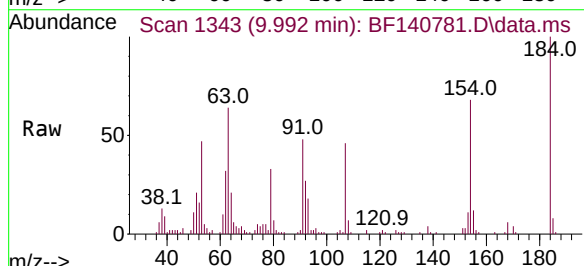
Tgt Ion:184 Resp: 38548

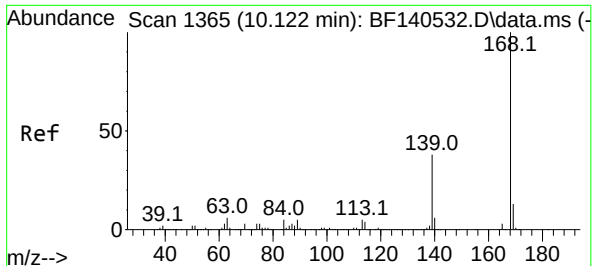
Ion Ratio Lower Upper

184 100

63 64.3 54.1 81.1

154 67.8 57.4 86.0





#55

Dibenzenofuran

Concen: 55.795 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:168 Resp: 56816

Ion Ratio Lower Upper

168 100

139 39.3 31.3 46.9

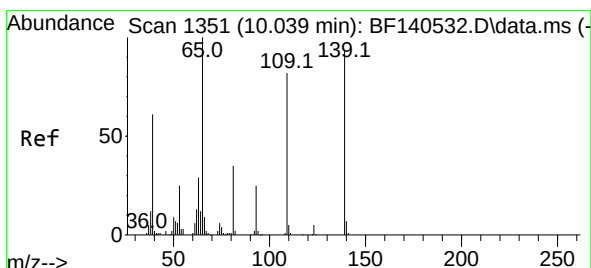
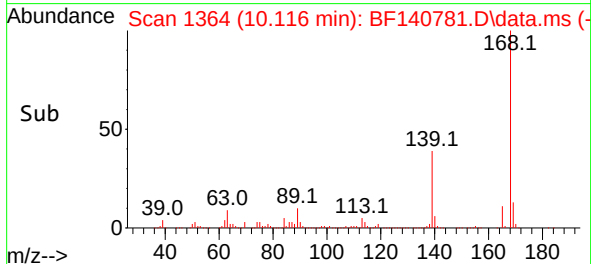
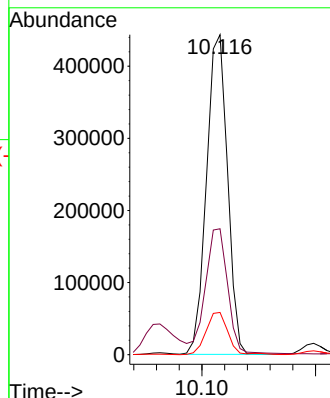
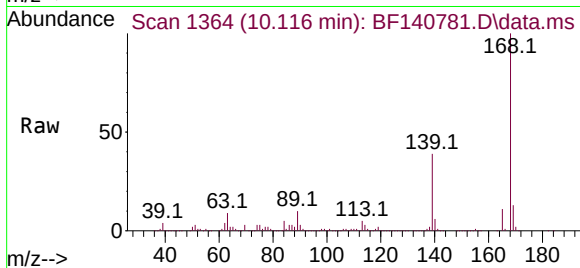
169 13.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#56

4-Nitrophenol

Concen: 65.378 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.024 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

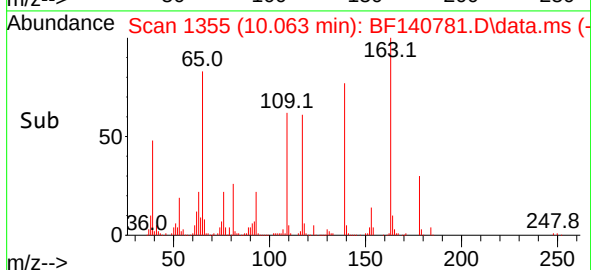
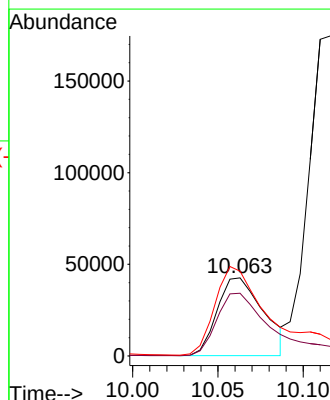
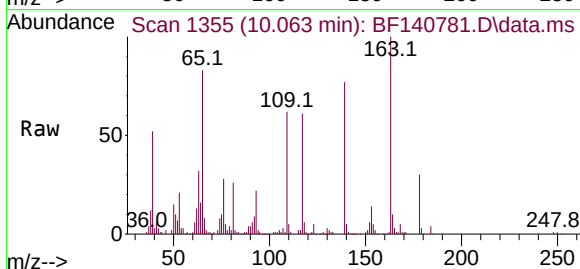
Tgt Ion:139 Resp: 80067

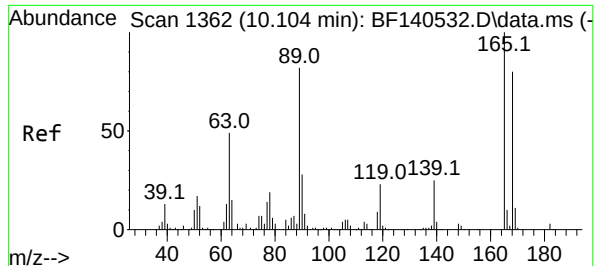
Ion Ratio Lower Upper

139 100

109 80.4 68.4 108.4

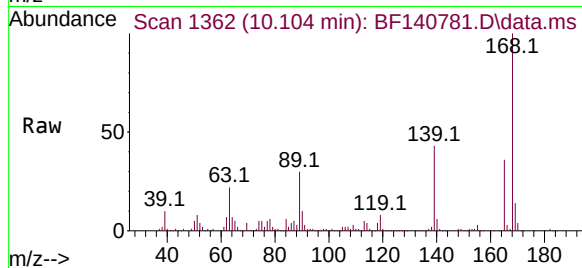
65 108.4 88.6 128.6





#57
2,4-Dinitrotoluene
Concen: 47.681 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

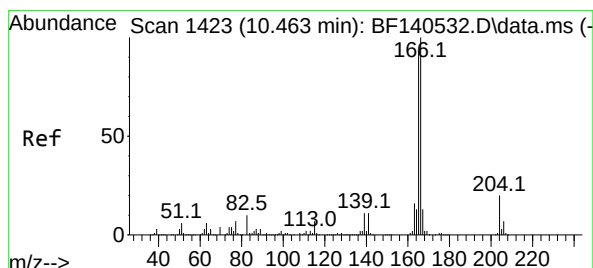
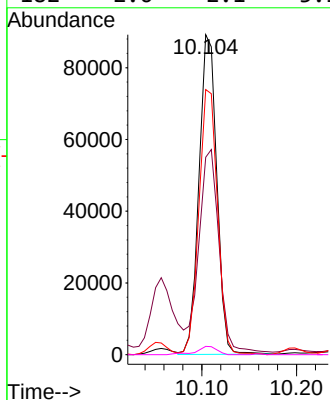
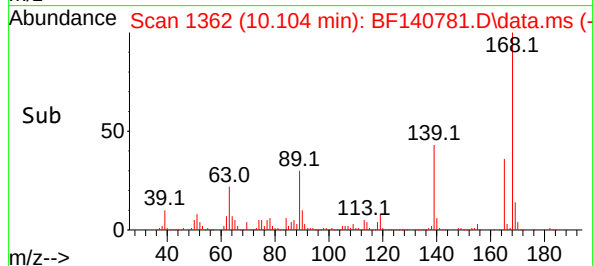
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



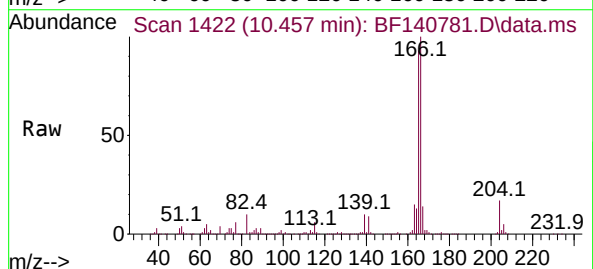
Tgt Ion:165 Resp: 11634
Ion Ratio Lower Upper
165 100
63 61.7 41.7 62.5
89 82.8 65.8 98.8
182 2.6 2.1 3.1

Manual Integrations
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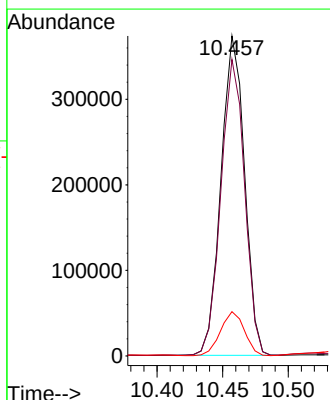
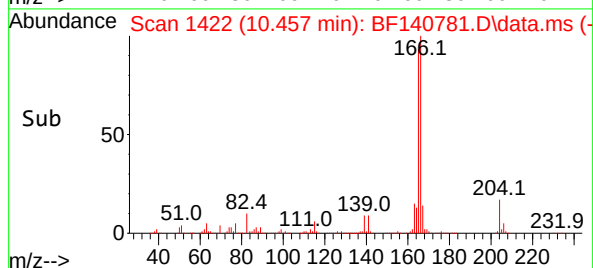
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

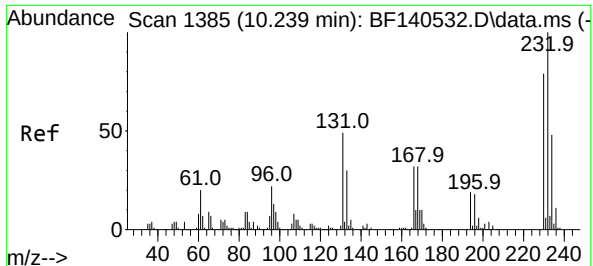


#58
Fluorene
Concen: 57.095 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



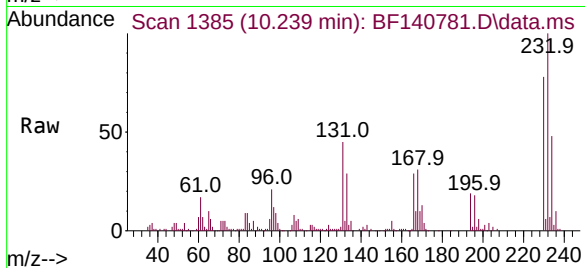
Tgt Ion:166 Resp: 466679
Ion Ratio Lower Upper
166 100
165 92.7 74.6 111.8
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.644 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

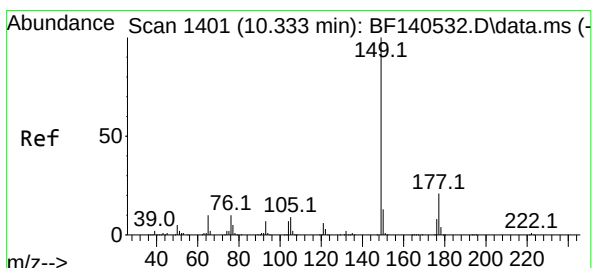
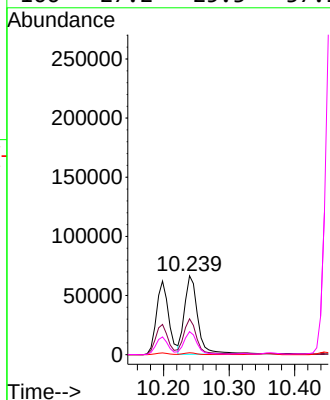
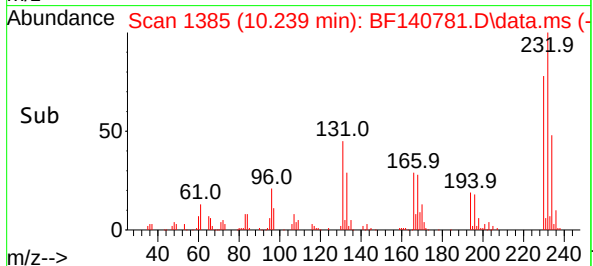
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:232 Resp: 93499
Ion Ratio Lower Upper
232 100
131 45.2 39.6 59.4
130 2.1 1.9 2.9
166 27.2 25.3 37.9

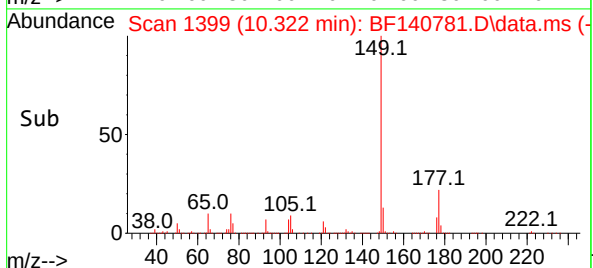
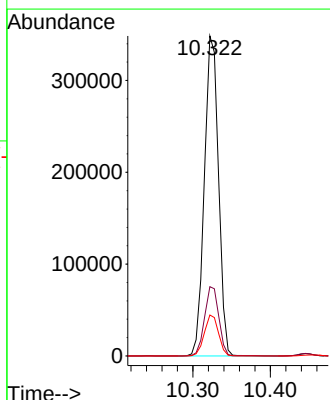
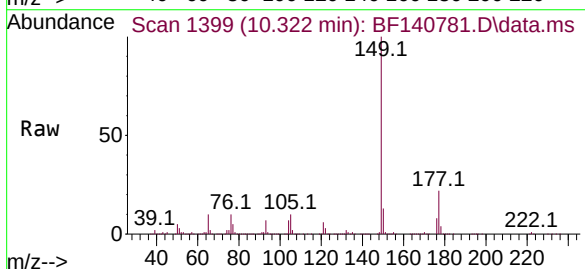
Manual Integrations
APPROVED

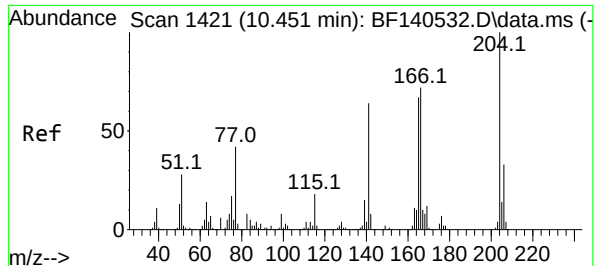
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#60
Diethylphthalate
Concen: 53.602 ng
RT: 10.322 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

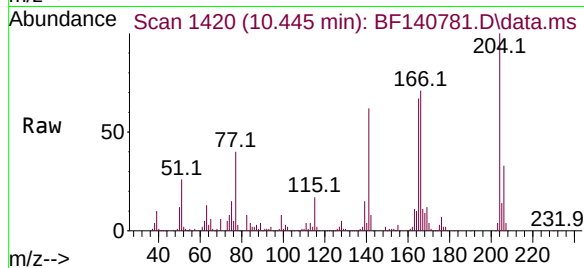
Tgt Ion:149 Resp: 440889
Ion Ratio Lower Upper
149 100
177 21.6 17.1 25.7
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 50.948 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

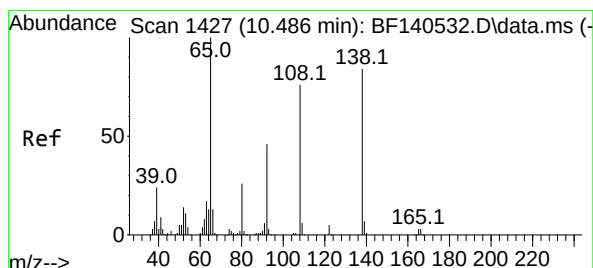
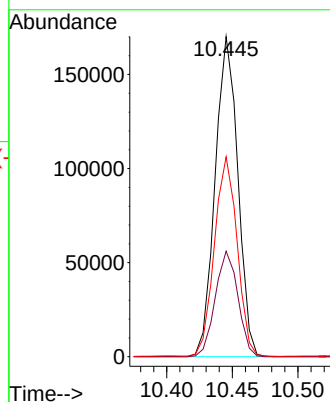
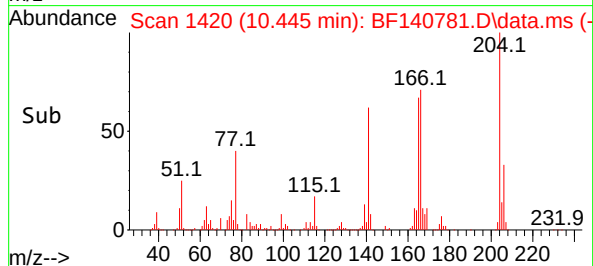
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:204 Resp: 20436
Ion Ratio Lower Upper
204 100
206 33.0 26.6 40.0
141 62.5 51.1 76.7

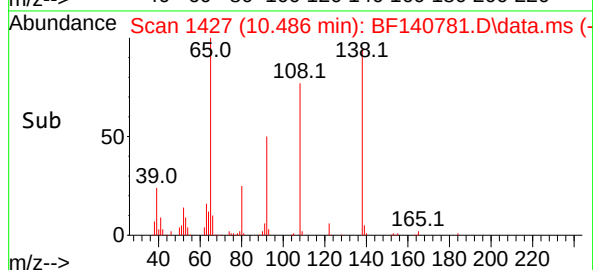
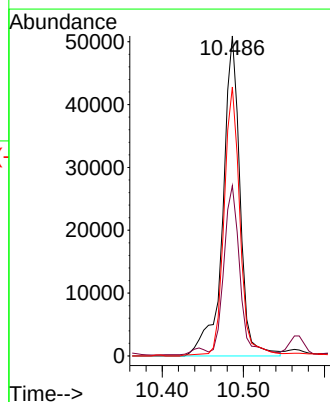
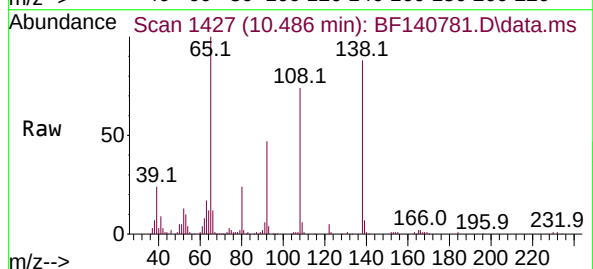
Manual Integrations
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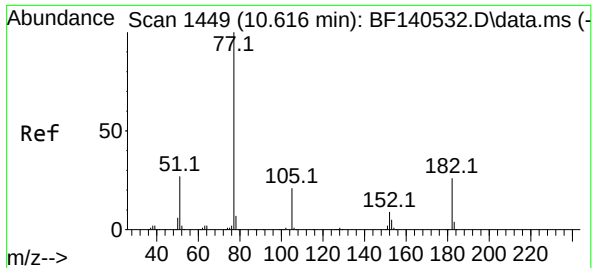
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#62
4-Nitroaniline
Concen: 40.079 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

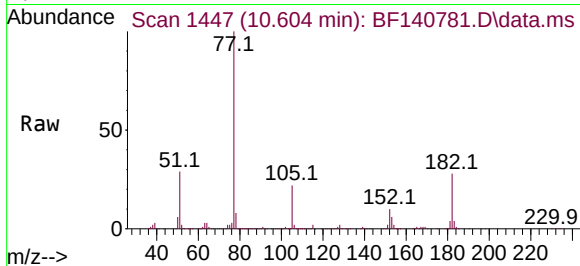
Tgt Ion:138 Resp: 75484
Ion Ratio Lower Upper
138 100
92 53.2 34.5 74.5
108 84.1 70.6 110.6





#63
Azobenzene
Concen: 53.587 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

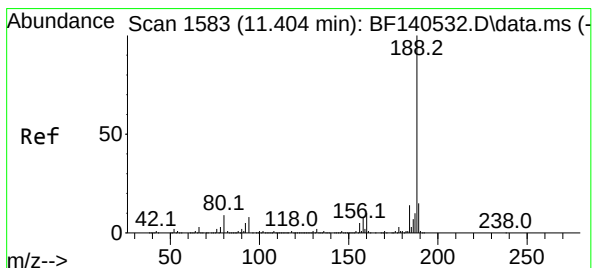
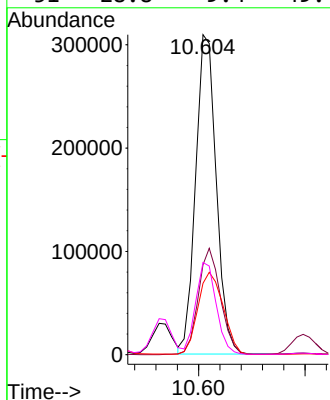
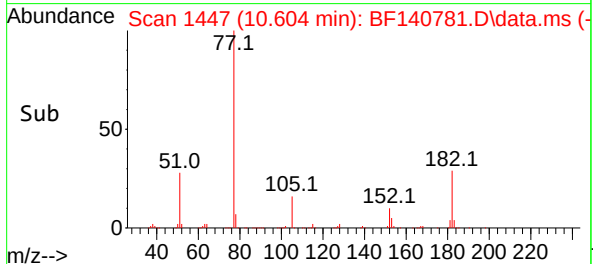
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion: 77 Resp: 41740
Ion Ratio Lower Upper
77 100
182 28.1 5.3 45.3
105 22.3 0.3 40.3
51 28.8 9.4 49.4

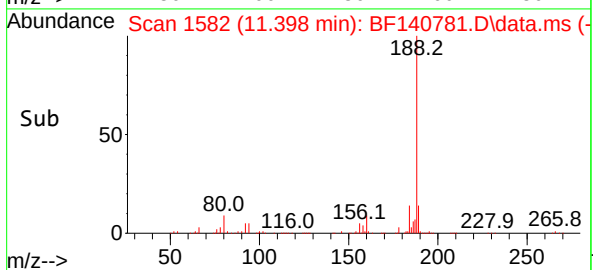
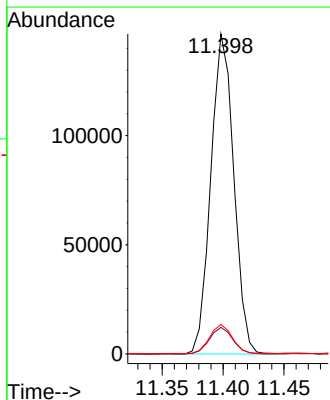
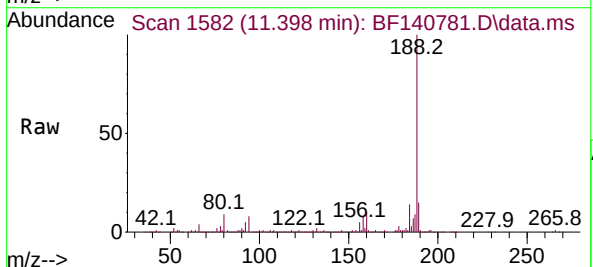
Manual Integrations
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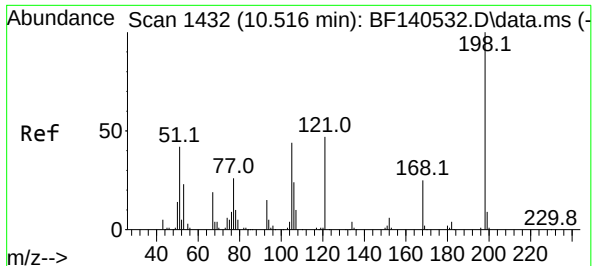
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:188 Resp: 192178
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.2 6.9 10.3





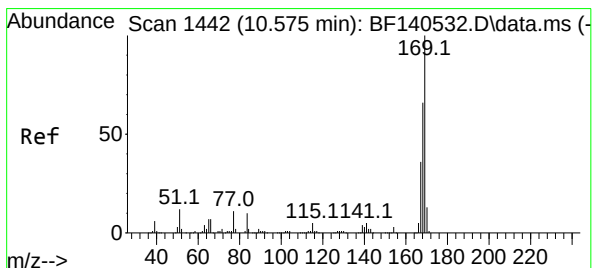
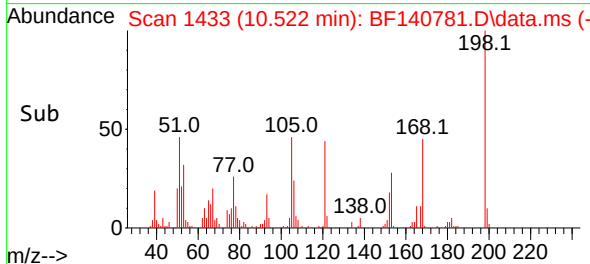
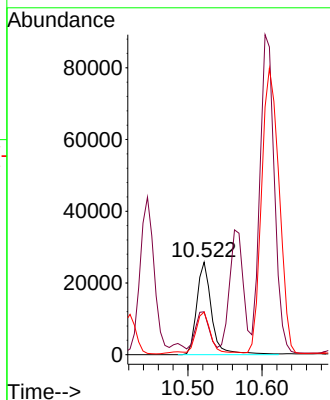
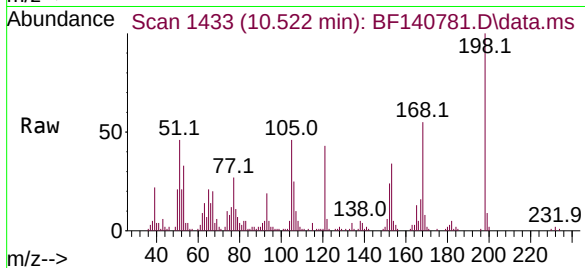
#65
4,6-Dinitro-2-methylphenol
Concen: 36.652 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:198 Resp: 35994
Ion Ratio Lower Upper
198 100
51 46.4 29.4 69.4
105 46.1 25.4 65.4

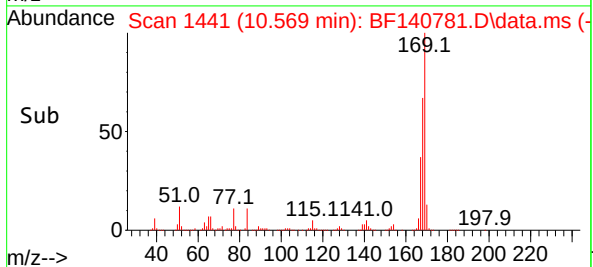
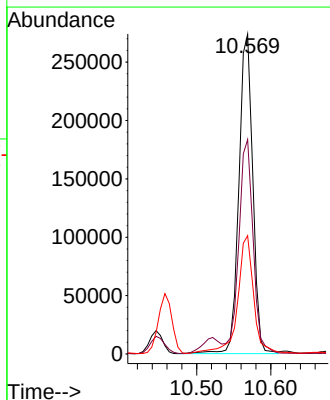
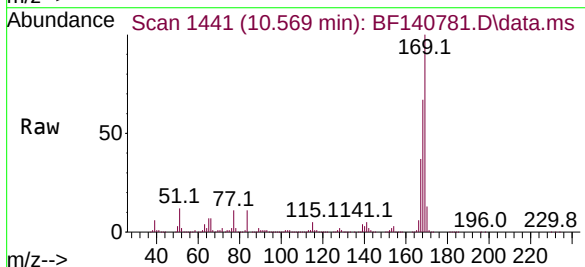
Manual Integrations
APPROVED

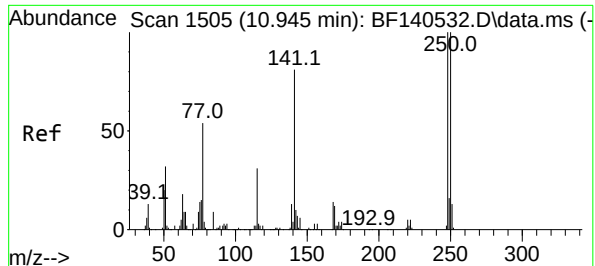
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#66
n-Nitrosodiphenylamine
Concen: 62.607 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

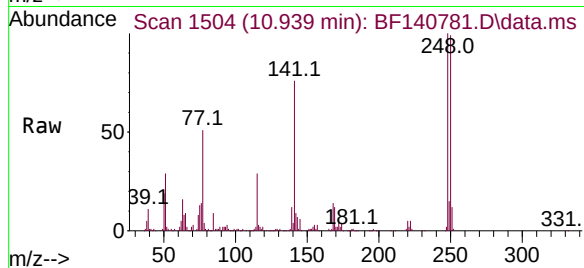
Tgt Ion:169 Resp: 355806
Ion Ratio Lower Upper
169 100
168 67.0 53.2 79.8
167 37.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 58.087 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

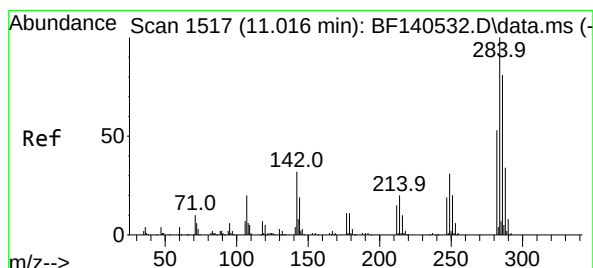
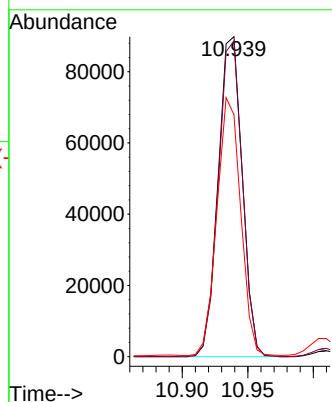
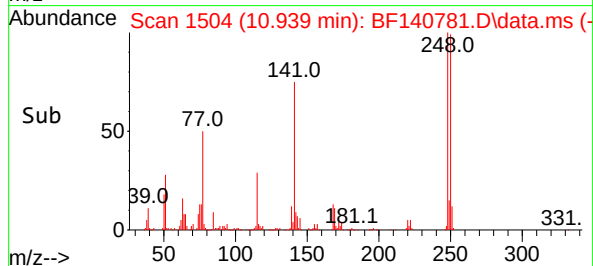
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:248 Resp: 11496
Ion Ratio Lower Upper
248 100
250 98.6 79.8 119.8
141 75.6 64.7 97.1

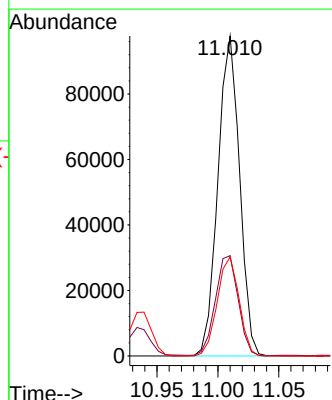
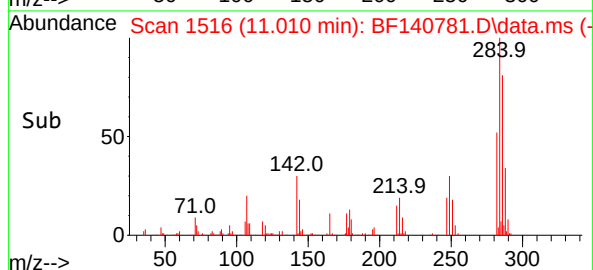
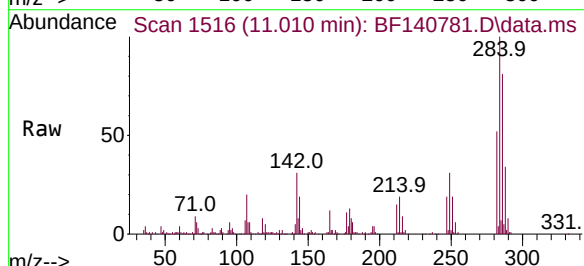
Manual Integrations
APPROVED

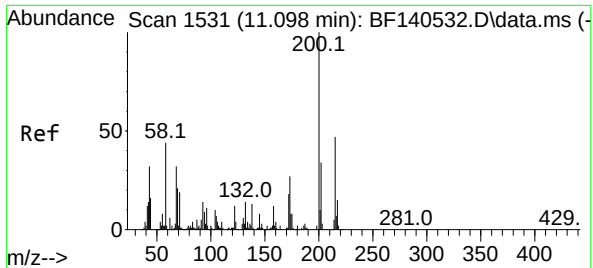
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#68
Hexachlorobenzene
Concen: 52.748 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:284 Resp: 120880
Ion Ratio Lower Upper
284 100
142 31.4 25.3 37.9
249 30.9 24.8 37.2





#69

Atrazine

Concen: 65.209 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:200 Resp: 104250

Ion Ratio Lower Upper

200 100

173 27.5 7.0 47.0

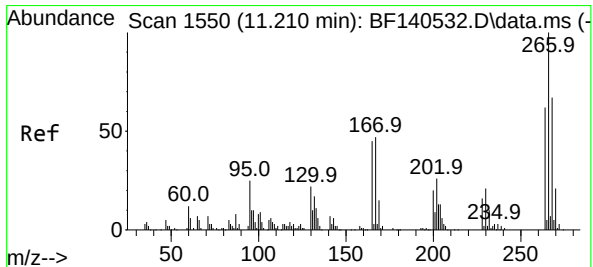
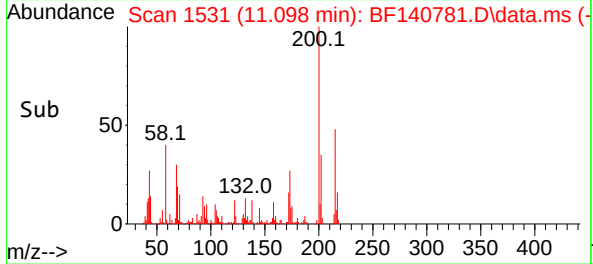
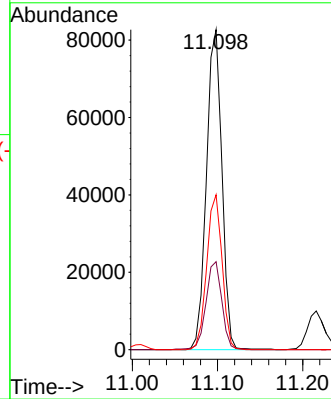
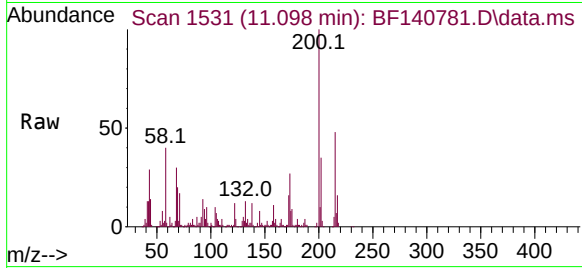
215 48.4 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#70

Pentachlorophenol

Concen: 84.757 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

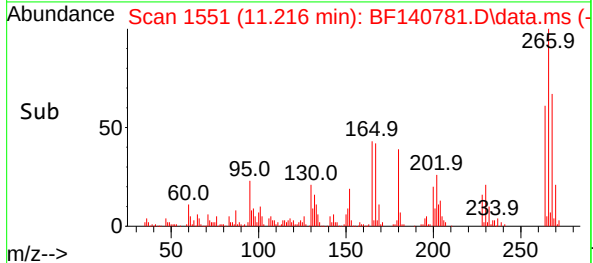
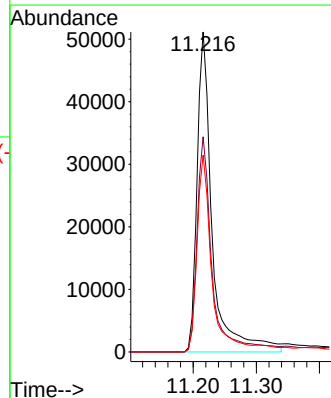
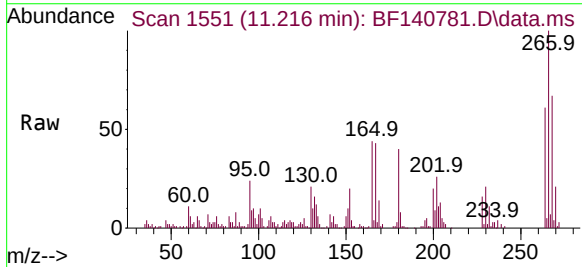
Tgt Ion:266 Resp: 85487

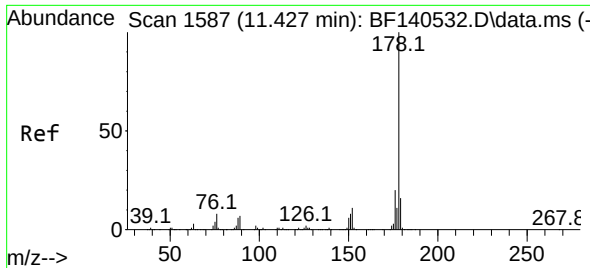
Ion Ratio Lower Upper

266 100

268 67.3 53.7 80.5

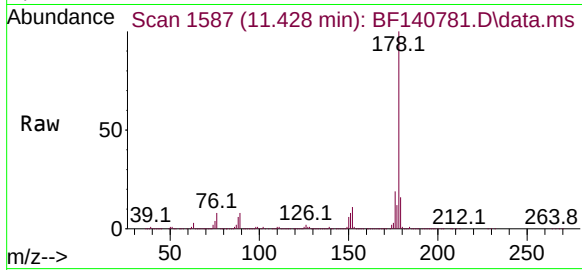
264 61.5 49.8 74.8





#71
Phenanthrene
Concen: 147.338 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

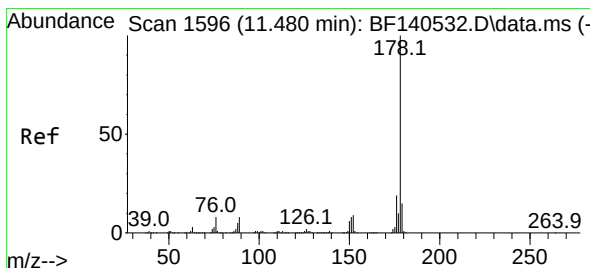
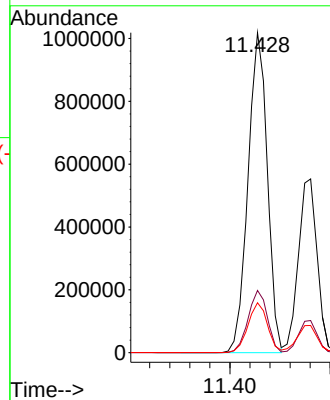
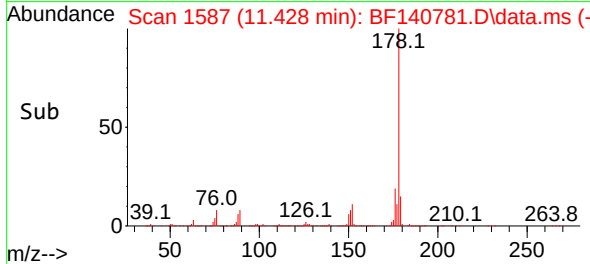
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:178 Resp: 1361079
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.6 12.4 18.6

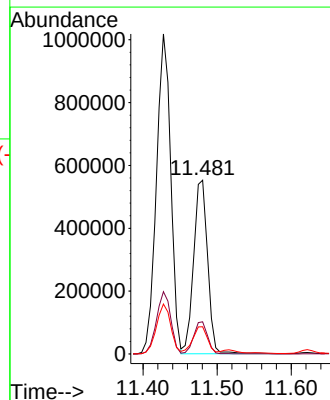
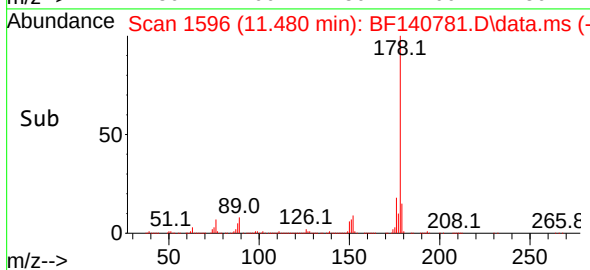
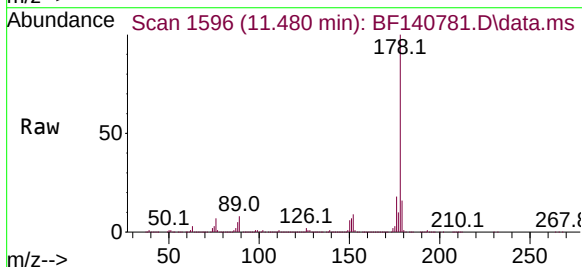
Manual Integrations
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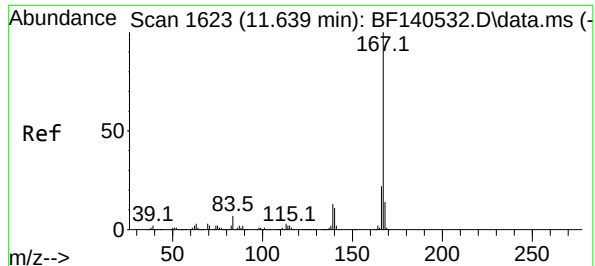
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#72
Anthracene
Concen: 80.235 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:178 Resp: 725029
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.6 12.2 18.4





#73

Carbazole

Concen: 61.586 ng

RT: 11.639 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:167 Resp: 535369

Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

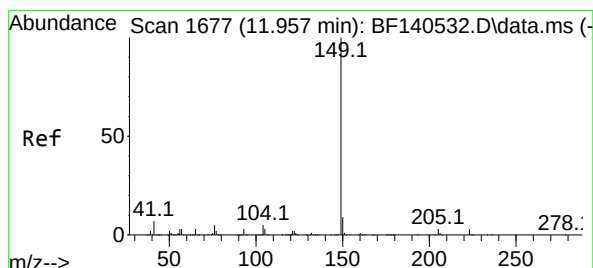
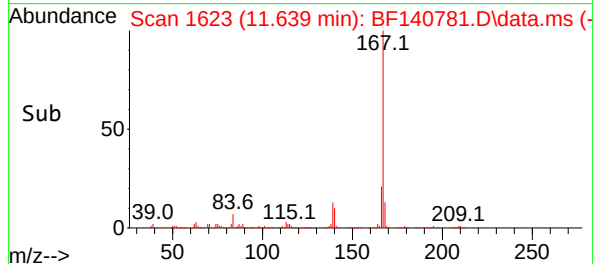
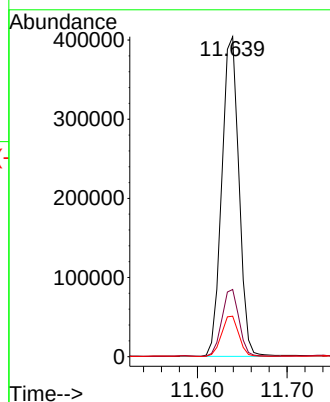
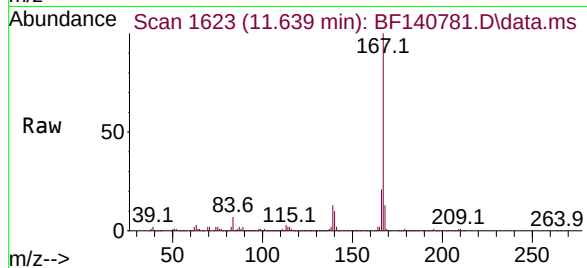
139 12.7 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#74

Di-n-butylphthalate

Concen: 60.141 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

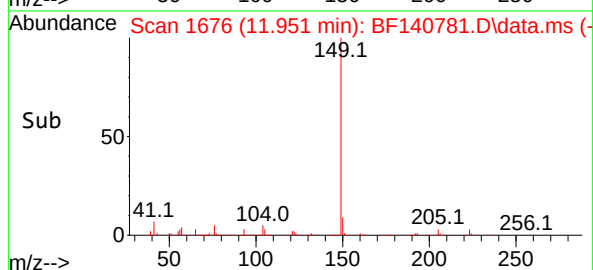
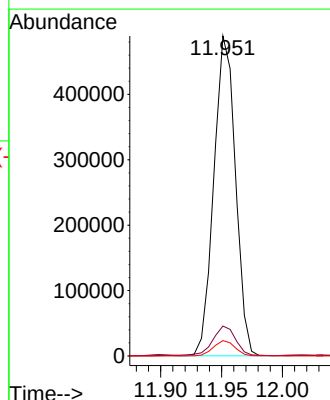
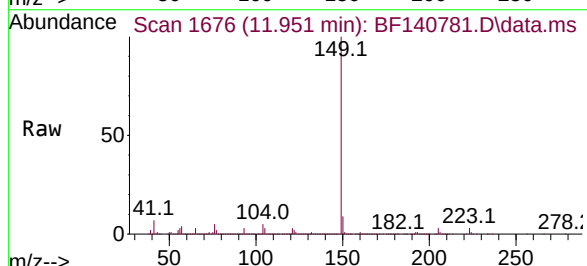
Tgt Ion:149 Resp: 603579

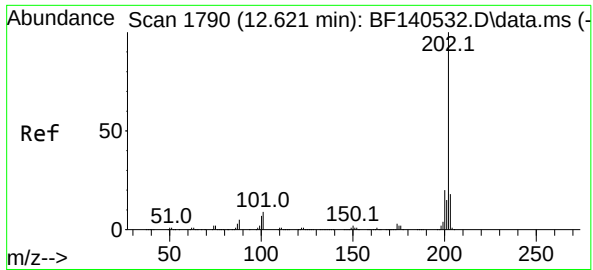
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

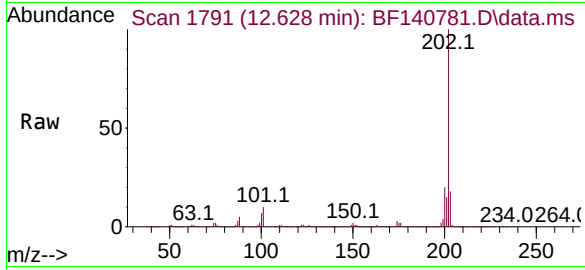
104 4.8 4.1 6.1





#75
Fluoranthene
Concen: 166.496 ng
RT: 12.628 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

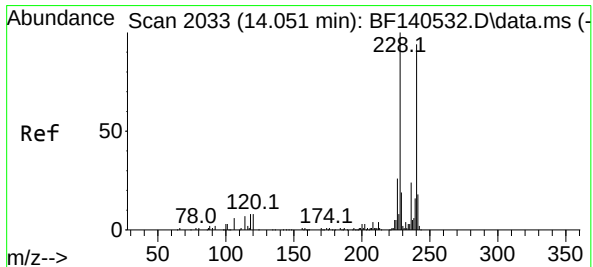
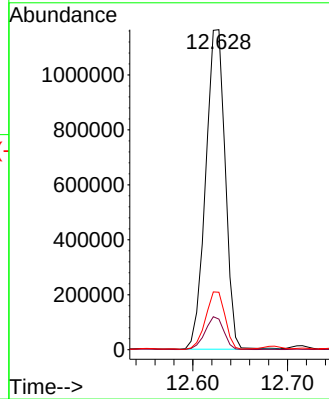
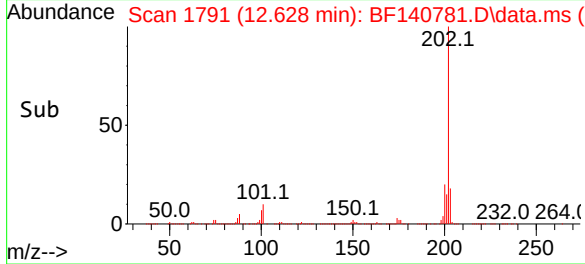
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:202 Resp: 1669940
Ion Ratio Lower Upper
202 100
101 9.5 0.0 28.9
203 18.0 0.0 37.6

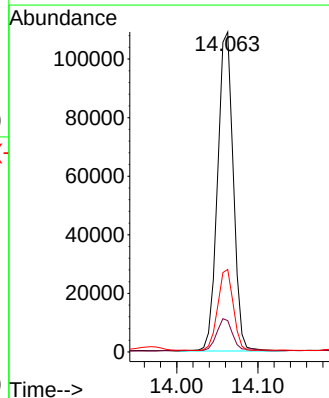
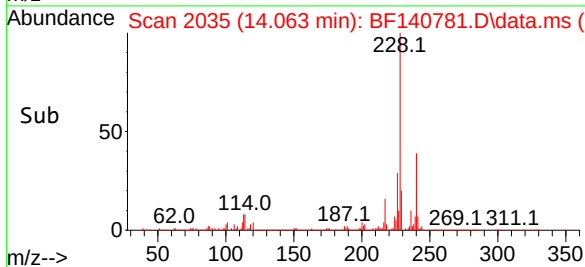
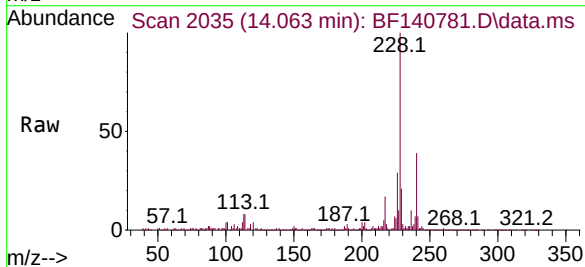
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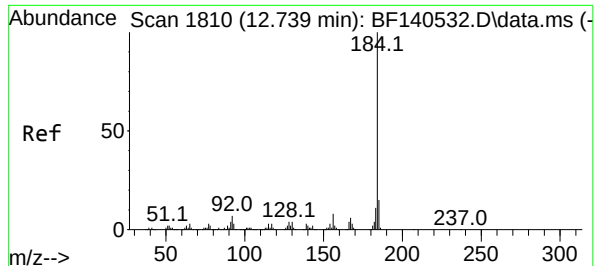
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:240 Resp: 146775
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.8 20.6 31.0





#77

Benzidine

Concen: 40.142 ng

RT: 12.745 min Scan# 1810

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:184 Resp: 171302

Ion Ratio Lower Upper

184 100

185 14.2 11.7 17.5

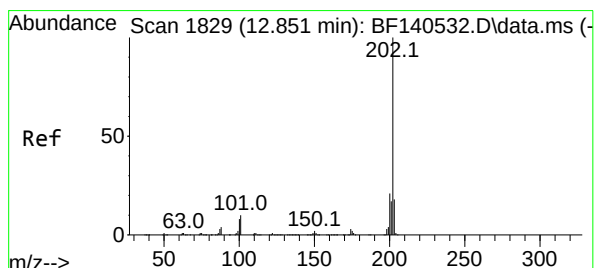
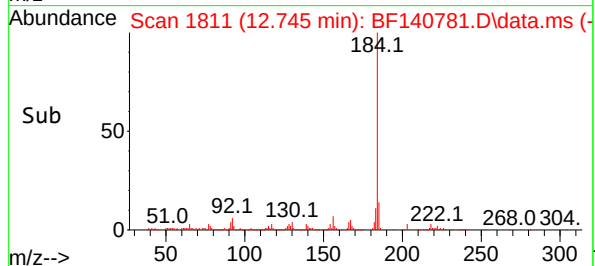
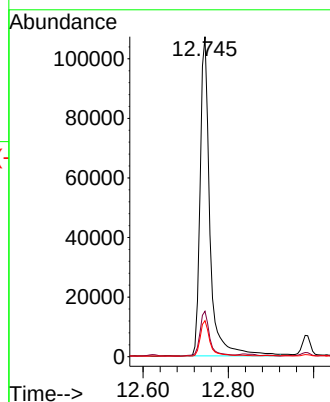
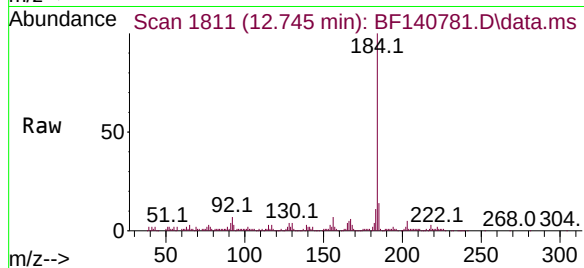
183 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#78

Pyrene

Concen: 115.139 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

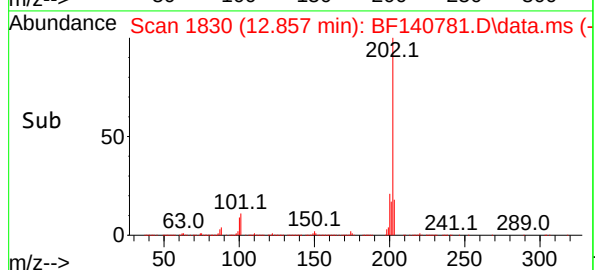
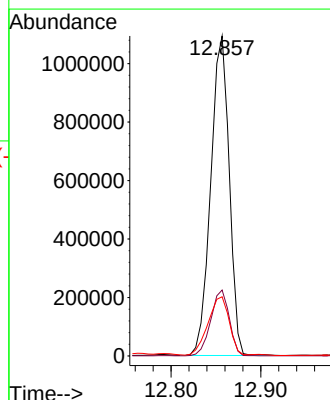
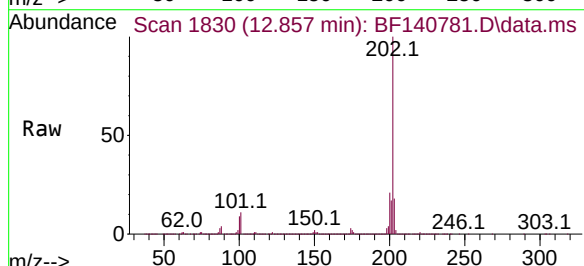
Tgt Ion:202 Resp: 1562572

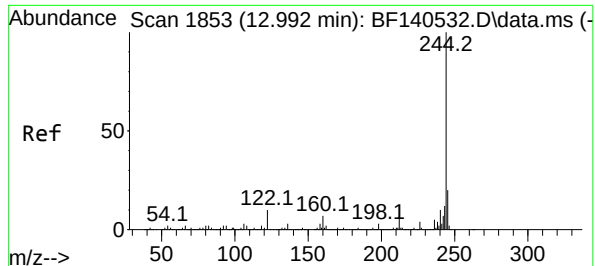
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 18.5 14.2 21.4





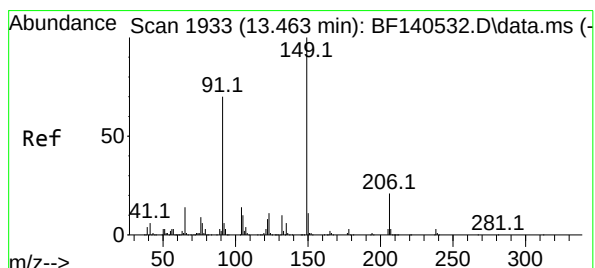
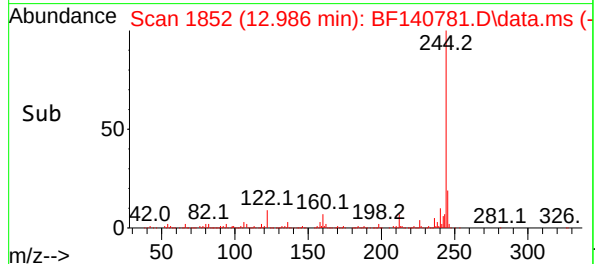
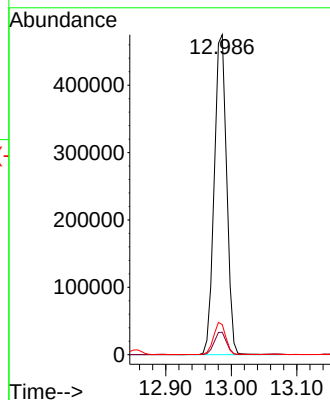
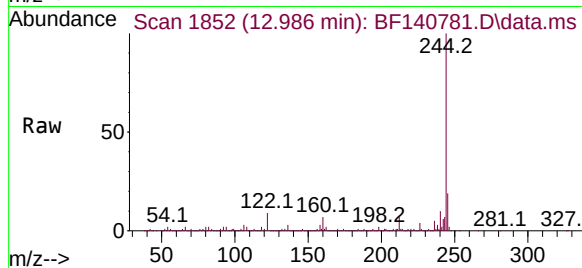
#79
Terphenyl-d14
Concen: 66.098 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:244 Resp: 62303
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 9.4 8.0 12.0

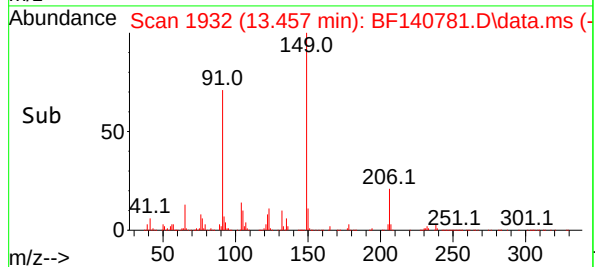
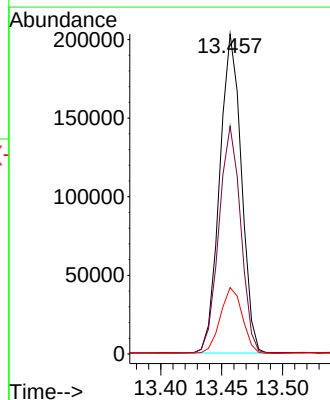
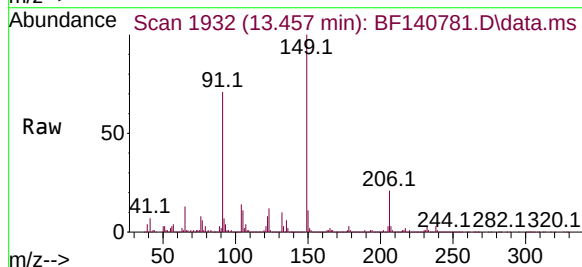
Manual Integrations
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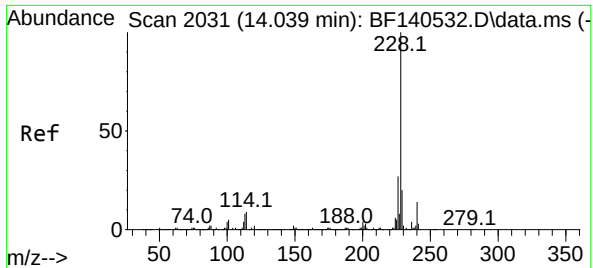
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#80
Butylbenzylphthalate
Concen: 51.497 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:149 Resp: 251764
Ion Ratio Lower Upper
149 100
91 71.1 56.2 84.2
206 20.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 111.936 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:228 Resp: 108756

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

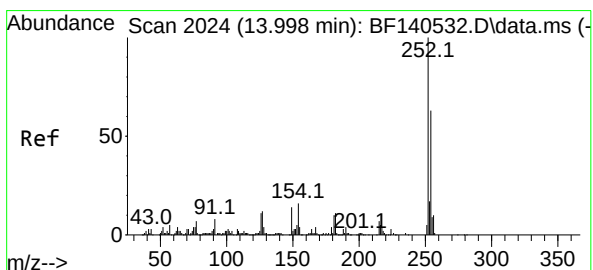
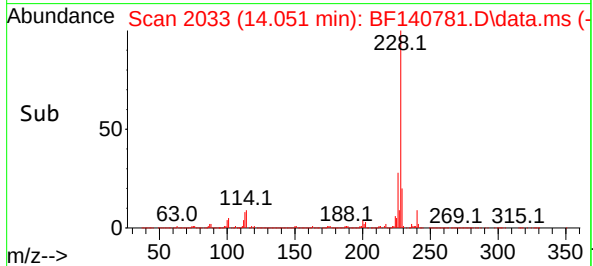
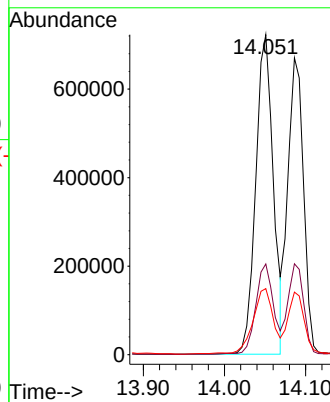
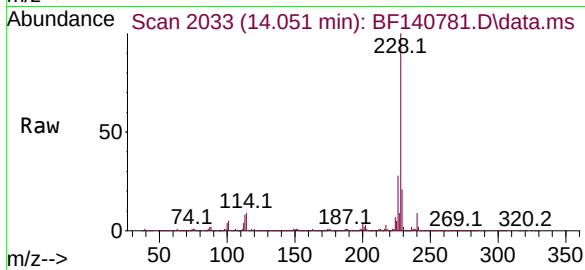
229 20.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#82

3,3'-Dichlorobenzidine

Concen: 40.390 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

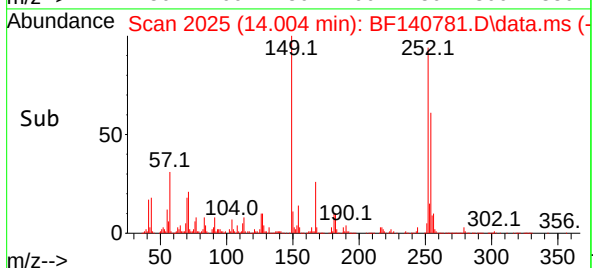
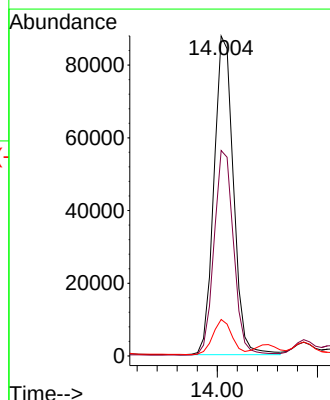
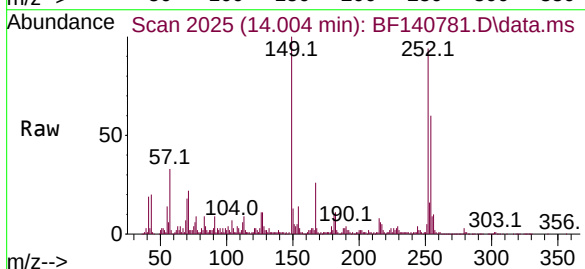
Tgt Ion:252 Resp: 117822

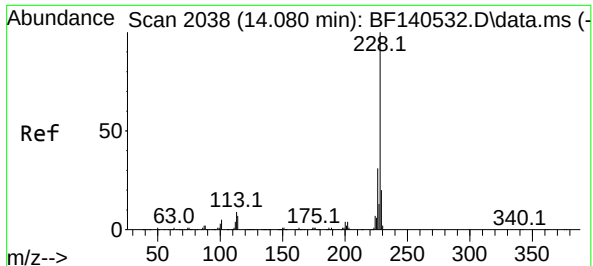
Ion Ratio Lower Upper

252 100

254 64.2 50.8 76.2

126 11.4 8.6 13.0





#83

Chrysene

Concen: 100.599 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:228 Resp: 89373

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

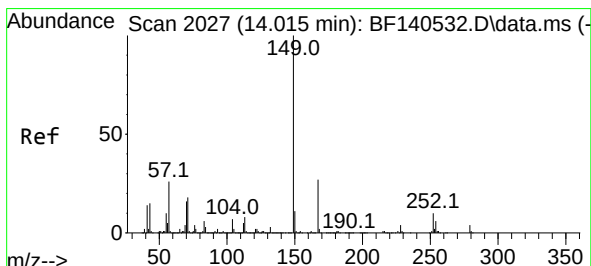
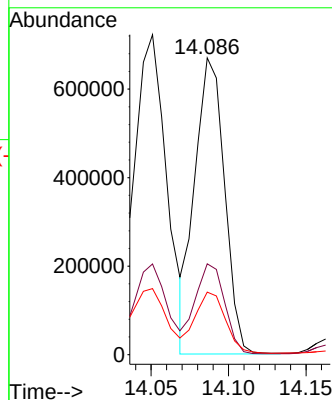
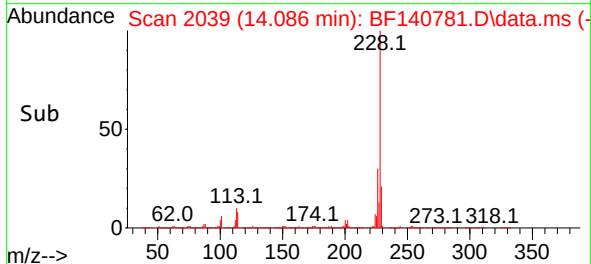
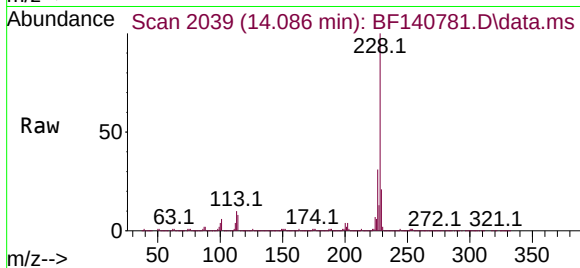
229 21.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.961 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

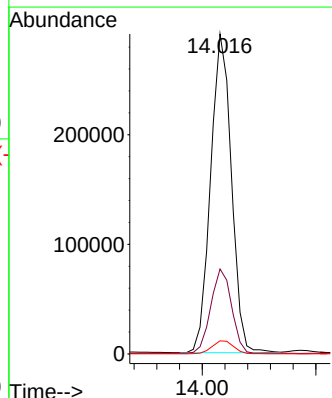
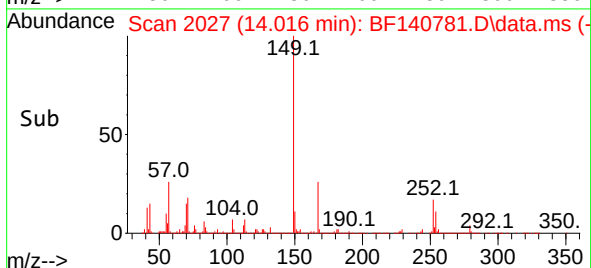
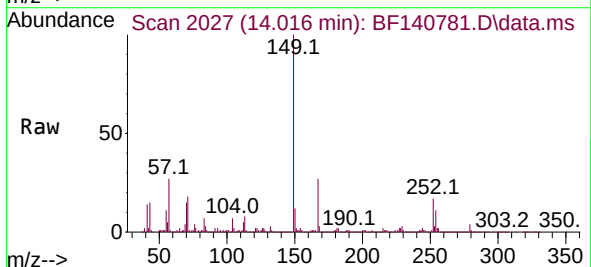
Tgt Ion:149 Resp: 370155

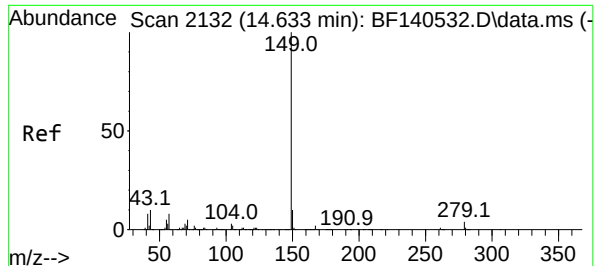
Ion Ratio Lower Upper

149 100

167 26.6 21.2 31.8

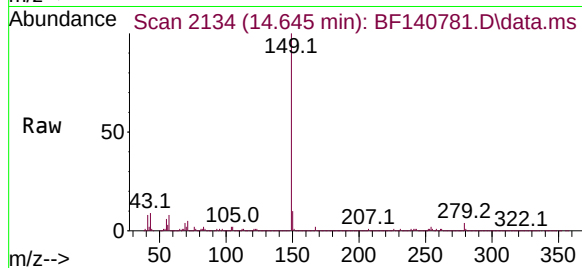
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 73.794 ng
RT: 14.645 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

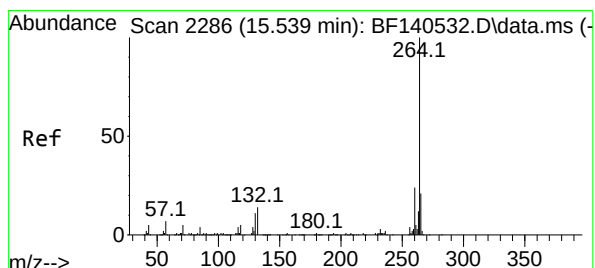
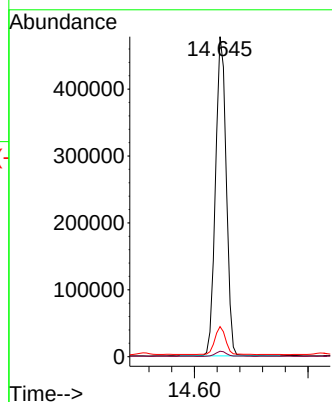
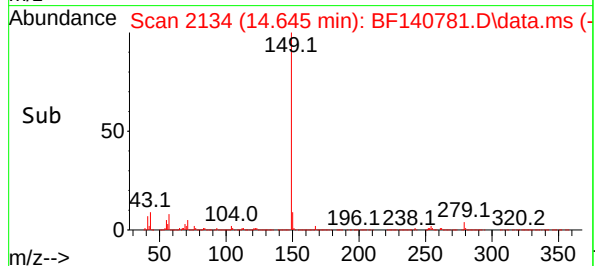
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:149 Resp: 622562
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.8 7.7 11.5

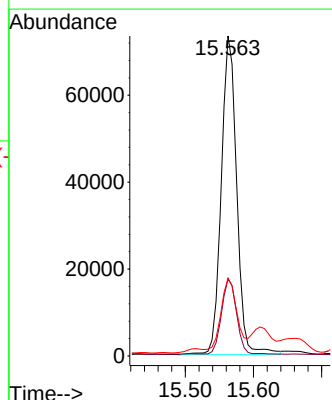
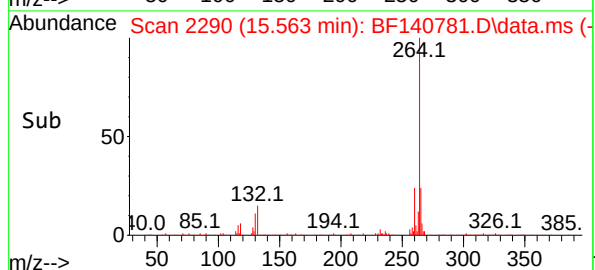
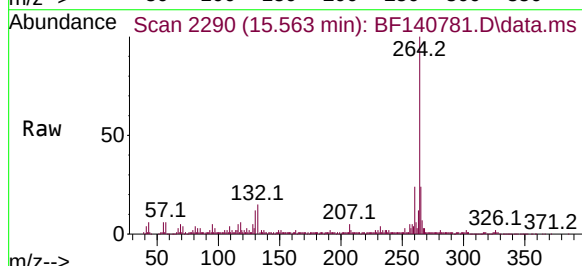
Manual Integrations
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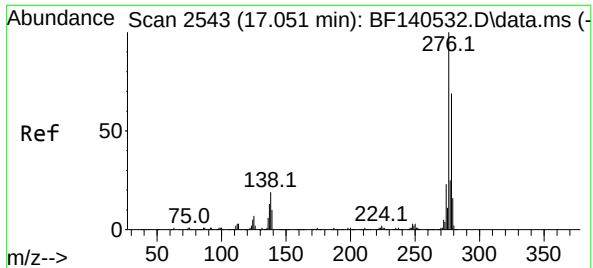
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.024 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

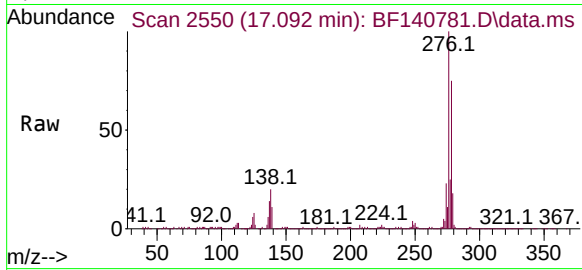
Tgt Ion:264 Resp: 115742
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 24.3 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 63.280 ng
RT: 17.092 min Scan# 211
Delta R.T. 0.041 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

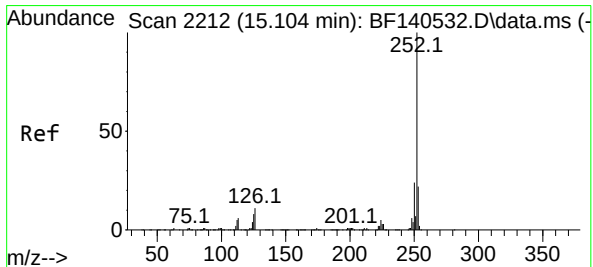
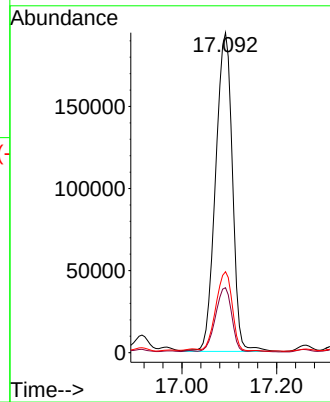
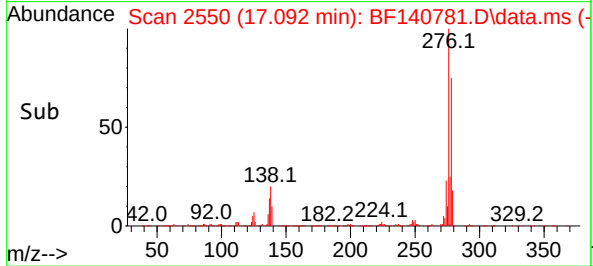
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:276 Resp: 477308
Ion Ratio Lower Upper
276 100
138 19.0 15.5 23.3
277 24.4 20.1 30.1

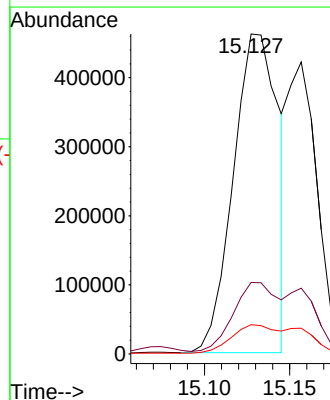
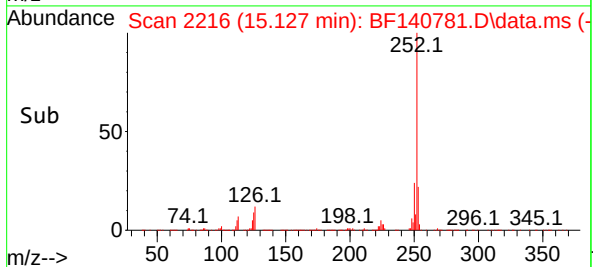
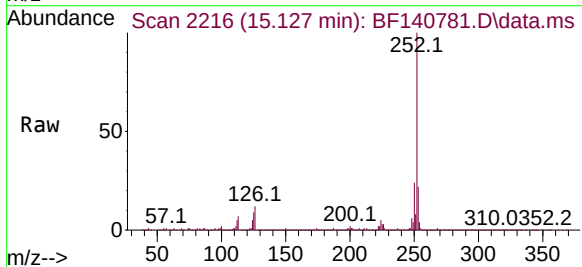
Manual Integrations
APPROVED

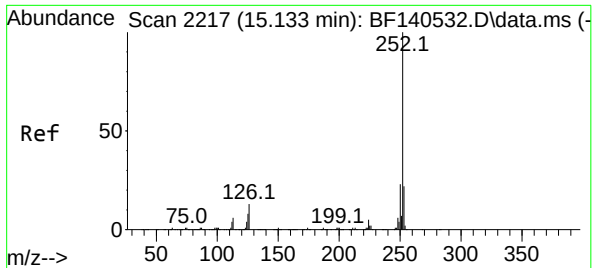
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#88
Benzo(b)fluoranthene
Concen: 116.733 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.024 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:252 Resp: 848638
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 9.1 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 78.404 ng m

RT: 15.157 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:252 Resp: 498789

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

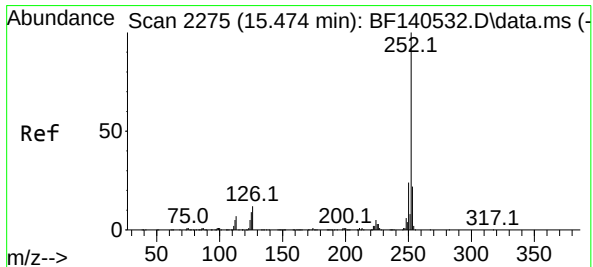
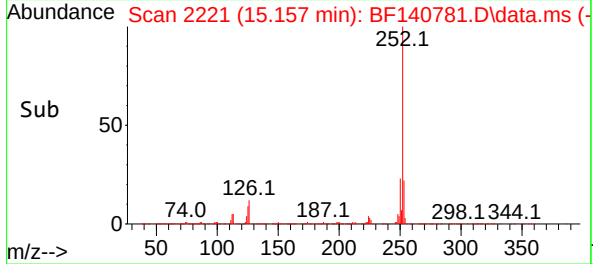
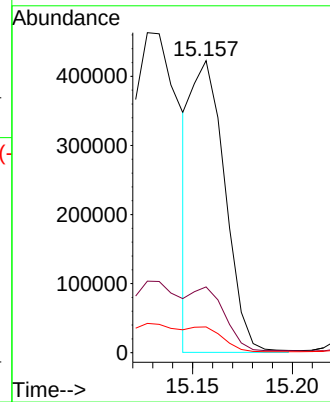
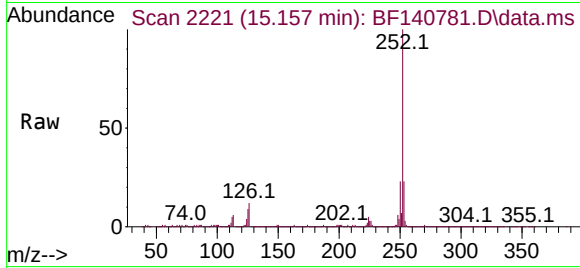
125 8.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#90

Benzo(a)pyrene

Concen: 104.361 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.030 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

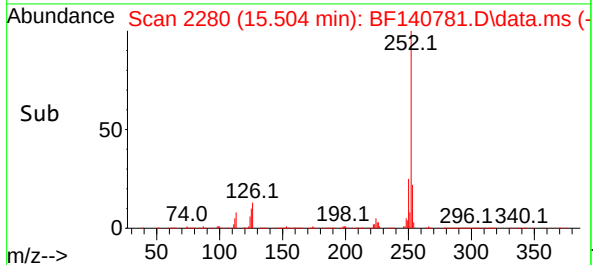
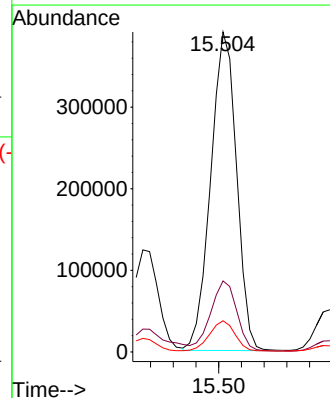
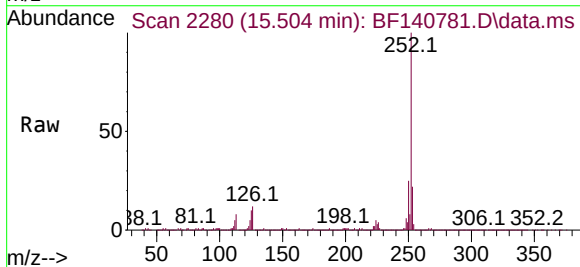
Tgt Ion:252 Resp: 616883

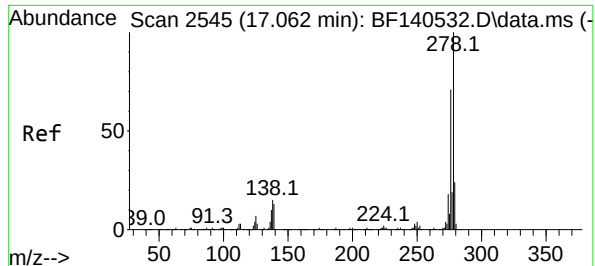
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.8 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 49.044 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:278 Resp: 30295

Ion Ratio Lower Upper

278 100

139 13.1 10.2 15.4

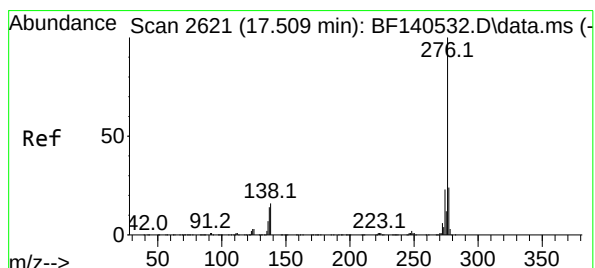
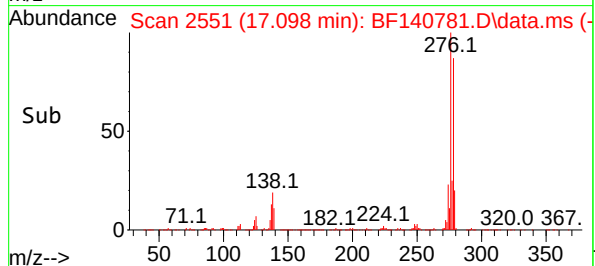
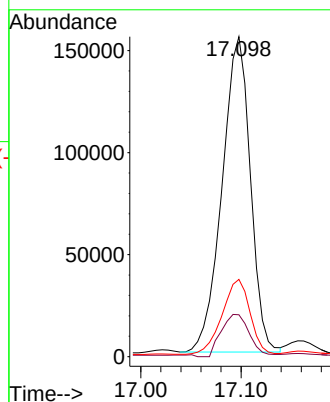
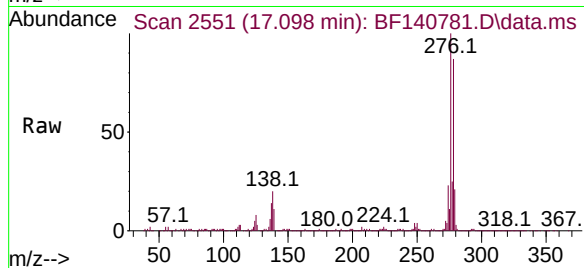
279 24.2 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#92

Benzo(g,h,i)perylene

Concen: 59.725 ng

RT: 17.551 min Scan# 2628

Delta R.T. 0.041 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

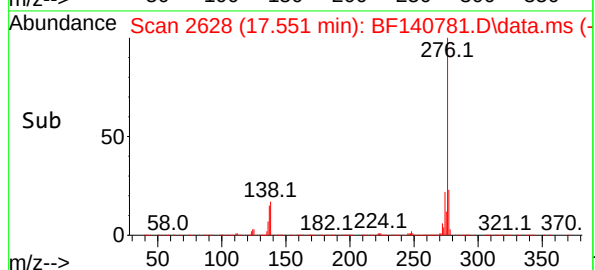
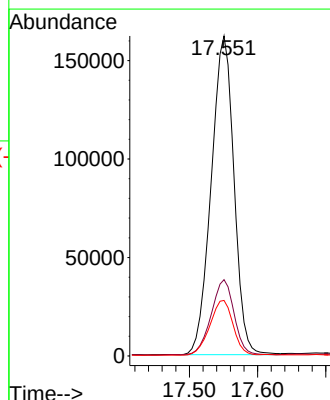
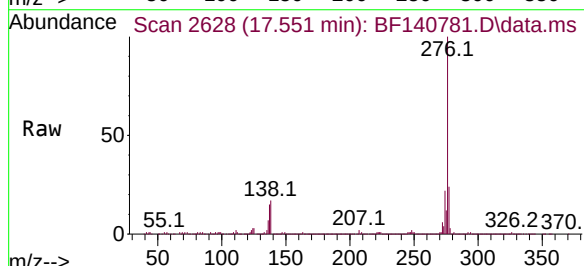
Tgt Ion:276 Resp: 376475

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 17.4 13.2 19.8



Manual Integration Report

Sequence:

BF112124

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140530.D	Benzoic acid	yogesh	11/22/2024 3:53:18 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICC020	BF140531.D	Acenaphthene	yogesh	11/22/2024 3:53:19 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICCC040	BF140532.D	Acenaphthene	yogesh	11/22/2024 3:53:21 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICV040	BF140536.D	Acenaphthene	yogesh	11/22/2024 3:53:22 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	Acenaphthene	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf120624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140760.D	2,4-Dimethylphenol	yogesh	12/10/2024 12:49:40 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
SSTDCCC040	BF140760.D	Caprolactam	yogesh	12/10/2024 12:49:40 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
PB165423BS	BF140762.D	2,4-Dimethylphenol	yogesh	12/10/2024 12:49:47 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
PB165423BS	BF140762.D	Caprolactam	yogesh	12/10/2024 12:49:47 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
P5112-01	BF140779.D	Benzo(b)fluoranthene	yogesh	12/10/2024 12:50:22 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
P5112-01	BF140779.D	Benzo(k)fluoranthene	yogesh	12/10/2024 12:50:22 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
P5112-01MS	BF140780.D	2,4-Dimethylphenol	yogesh	12/10/2024 12:50:41 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
P5112-01MS	BF140780.D	Benzo(k)fluoranthene	yogesh	12/10/2024 12:50:41 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
P5112-01MSD	BF140781.D	2,4-Dimethylphenol	yogesh	12/10/2024 12:50:47 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software
P5112-01MSD	BF140781.D	Benzo(k)fluoranthene	yogesh	12/10/2024 12:50:47 AM	mohammad	12/10/2024 1:02:52 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

bf121024

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12329,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140526.D	21 Nov 2024 10:17	RC/JU	Ok
2	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	RC/JU	Not Ok
3	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13	RC/JU	Ok
4	SSTDICC005	BF140529.D	21 Nov 2024 11:39	RC/JU	Ok
5	SSTDICC010	BF140530.D	21 Nov 2024 12:05	RC/JU	Ok,M
6	SSTDICC020	BF140531.D	21 Nov 2024 12:32	RC/JU	Ok,M
7	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	RC/JU	Ok,M
8	SSTDICC050	BF140533.D	21 Nov 2024 13:25	RC/JU	Ok
9	SSTDICC060	BF140534.D	21 Nov 2024 13:51	RC/JU	Ok
10	SSTDICC080	BF140535.D	21 Nov 2024 14:18	RC/JU	Ok
11	SSTDICV040	BF140536.D	21 Nov 2024 15:07	RC/JU	Ok,M
12	PB165144BL	BF140537.D	21 Nov 2024 15:34	RC/JU	Ok
13	DFTPP	BF140538.D	21 Nov 2024 16:27	RC/JU	Ok
14	SSTDCCC040	BF140539.D	21 Nov 2024 16:54	RC/JU	Ok,M
15	PB165060TB	BF140540.D	21 Nov 2024 17:20	RC/JU	Ok
16	P4887-06	BF140541.D	21 Nov 2024 17:55	RC/JU	Ok
17	P4887-02	BF140542.D	21 Nov 2024 18:21	RC/JU	Ok
18	P4870-16	BF140543.D	21 Nov 2024 18:48	RC/JU	Ok
19	P4870-15	BF140544.D	21 Nov 2024 19:14	RC/JU	Ok
20	P4870-14	BF140545.D	21 Nov 2024 19:40	RC/JU	Ok
21	P4870-13	BF140546.D	21 Nov 2024 20:07	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12329,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4929-02	BF140547.D	21 Nov 2024 20:33	RC/JU	Ok
23	P4924-04	BF140548.D	21 Nov 2024 20:59	RC/JU	Ok
24	P4921-01	BF140549.D	21 Nov 2024 21:25	RC/JU	Ok
25	P4916-12	BF140550.D	21 Nov 2024 21:51	RC/JU	Ok
26	P4916-08	BF140551.D	21 Nov 2024 22:18	RC/JU	Ok
27	P4916-04	BF140552.D	21 Nov 2024 22:44	RC/JU	Ok
28	P4887-01	BF140553.D	21 Nov 2024 23:10	RC/JU	Ok
29	P4916-09	BF140554.D	21 Nov 2024 23:36	RC/JU	Ok
30	P4916-09MS	BF140555.D	22 Nov 2024 00:02	RC/JU	Ok,M
31	P4916-09MSD	BF140556.D	22 Nov 2024 00:28	RC/JU	Ok,M
32	P4916-01	BF140557.D	22 Nov 2024 00:54	RC/JU	Ok
33	P4916-05RE	BF140558.D	22 Nov 2024 01:21	RC/JU	Confirms
34	P4887-05RE	BF140559.D	22 Nov 2024 01:47	RC/JU	Confirms
35	P4924-01	BF140560.D	22 Nov 2024 02:13	RC/JU	ReRun
36	P4936-01	BF140561.D	22 Nov 2024 02:39	RC/JU	Ok,M
37	P4929-01	BF140562.D	22 Nov 2024 03:06	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF120624

Review By	yogesh	Review On	12/10/2024 12:52:35 AM
Supervise By	mohammad	Supervise On	12/10/2024 1:02:52 AM
SubDirectory	BF120624	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12331,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140759.D	06 Dec 2024 11:41	RC/JU	Ok
2	SSTDCCC040	BF140760.D	06 Dec 2024 12:08	RC/JU	Ok,M
3	PB165423BL	BF140761.D	06 Dec 2024 12:51	RC/JU	Ok
4	PB165423BS	BF140762.D	06 Dec 2024 13:16	RC/JU	Ok,M
5	P5133-01	BF140763.D	06 Dec 2024 13:48	RC/JU	Ok
6	P5137-01	BF140764.D	06 Dec 2024 14:14	RC/JU	Ok
7	P5093-01	BF140765.D	06 Dec 2024 14:40	RC/JU	Ok
8	P5093-02	BF140766.D	06 Dec 2024 15:06	RC/JU	Ok
9	P5145-01	BF140767.D	06 Dec 2024 15:32	RC/JU	Ok
10	P5095-04	BF140768.D	06 Dec 2024 15:58	RC/JU	Ok
11	P5095-04MS	BF140769.D	06 Dec 2024 16:24	RC/JU	Not Ok
12	P5095-04MSD	BF140770.D	06 Dec 2024 16:50	RC/JU	Not Ok
13	P5096-04	BF140771.D	06 Dec 2024 17:16	RC/JU	Ok
14	P5096-08	BF140772.D	06 Dec 2024 17:42	RC/JU	Ok
15	P5117-02	BF140773.D	06 Dec 2024 18:08	RC/JU	Not Ok
16	P5133-02	BF140774.D	06 Dec 2024 18:34	RC/JU	Ok
17	P5136-02	BF140775.D	06 Dec 2024 19:00	RC/JU	Ok
18	P5096-01DL	BF140776.D	06 Dec 2024 19:26	RC/JU	Ok,M
19	P5108-01	BF140777.D	06 Dec 2024 19:52	RC/JU	Ok
20	P5136-01	BF140778.D	06 Dec 2024 20:18	RC/JU	Ok
21	P5112-01	BF140779.D	06 Dec 2024 20:44	RC/JU	Dilution

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF120624

Review By	yogesh	Review On	12/10/2024 12:52:35 AM		
Supervise By	mohammad	Supervise On	12/10/2024 1:02:52 AM		
SubDirectory	BF120624	HP Acquire Method	BNA_F	HP Processing Method	bf112124
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12331,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P5112-01MS	BF140780.D	06 Dec 2024 21:10	RC/JU	Ok,M
23	P5112-01MSD	BF140781.D	06 Dec 2024 21:36	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF121024

Review By	Yogesh	Review On	12/11/2024 7:19:59 AM
Supervise By		Supervise On	
SubDirectory	BF121024	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12331,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140794.D	10 Dec 2024 09:39	RC/JU	Ok
2	SSTDCCC040	BF140795.D	10 Dec 2024 10:05	RC/JU	Ok,NR
3	PB165477BL	BF140796.D	10 Dec 2024 10:31	RC/JU	Ok
4	PB165477BS	BF140797.D	10 Dec 2024 10:57	RC/JU	Ok,NR
5	P5196-01	BF140798.D	10 Dec 2024 11:29	RC/JU	Ok
6	P5174-01	BF140799.D	10 Dec 2024 11:55	RC/JU	Ok,NR
7	P5174-01MS	BF140800.D	10 Dec 2024 12:21	RC/JU	Ok,NR
8	P5174-01MSD	BF140801.D	10 Dec 2024 12:47	RC/JU	Ok,NR
9	P5175-01	BF140802.D	10 Dec 2024 13:13	RC/JU	ReRun
10	P5112-01DL	BF140803.D	10 Dec 2024 13:39	RC/JU	Ok,NR
11	P5176-01	BF140804.D	10 Dec 2024 14:05	RC/JU	Ok,NR
12	P5176-03	BF140805.D	10 Dec 2024 14:31	RC/JU	Ok,NR
13	P5174-02	BF140806.D	10 Dec 2024 15:23	RC/JU	Ok
14	P5174-02MS	BF140807.D	10 Dec 2024 15:49	RC/JU	Ok,NR
15	P5174-02MSD	BF140808.D	10 Dec 2024 16:16	RC/JU	Ok,NR
16	P5196-04	BF140809.D	10 Dec 2024 16:42	RC/JU	Ok
17	P5216-04	BF140810.D	10 Dec 2024 17:08	RC/JU	Ok
18	P5216-08	BF140811.D	10 Dec 2024 17:34	RC/JU	Ok
19	P5216-12	BF140812.D	10 Dec 2024 18:00	RC/JU	Ok
20	P5216-16	BF140813.D	10 Dec 2024 18:26	RC/JU	Ok
21	P5216-13	BF140814.D	10 Dec 2024 18:52	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF121024

Review By	Yogesh	Review On	12/11/2024 7:19:59 AM
Supervise By		Supervise On	
SubDirectory	BF121024	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12331,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P5216-13MS	BF140815.D	10 Dec 2024 19:18	RC/JU	Ok,NR
23	P5216-13MSD	BF140816.D	10 Dec 2024 19:44	RC/JU	Ok,NR
24	P5216-05	BF140817.D	10 Dec 2024 20:11	RC/JU	ReRun
25	P5223-01	BF140818.D	10 Dec 2024 20:37	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140526.D	21 Nov 2024 10:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF140529.D	21 Nov 2024 11:39	Compound#9,32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF140530.D	21 Nov 2024 12:05		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF140531.D	21 Nov 2024 12:32	Compound#32,41,54 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	Calibration failed for Benzidine	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF140533.D	21 Nov 2024 13:25	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF140534.D	21 Nov 2024 13:51		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF140535.D	21 Nov 2024 14:18	Compound#9 removed from 80 ppm	RC/JU	Ok
11	SSTDICV040	ICVBF112124	BF140536.D	21 Nov 2024 15:07		RC/JU	Ok,M
12	PB165144BL	PB165144BL	BF140537.D	21 Nov 2024 15:34		RC/JU	Ok
13	DFTPP	DFTPP	BF140538.D	21 Nov 2024 16:27		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF140539.D	21 Nov 2024 16:54		RC/JU	Ok,M
15	PB165060TB	PB165060TB	BF140540.D	21 Nov 2024 17:20		RC/JU	Ok
16	P4887-06	MH-760	BF140541.D	21 Nov 2024 17:55		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12329,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	P4887-02	MH-739	BF140542.D	21 Nov 2024 18:21		RC/JU	Ok
18	P4870-16	TP-15	BF140543.D	21 Nov 2024 18:48		RC/JU	Ok
19	P4870-15	MH-736	BF140544.D	21 Nov 2024 19:14		RC/JU	Ok
20	P4870-14	MH-735	BF140545.D	21 Nov 2024 19:40		RC/JU	Ok
21	P4870-13	TP-1	BF140546.D	21 Nov 2024 20:07		RC/JU	Ok
22	P4929-02	ARS520	BF140547.D	21 Nov 2024 20:33		RC/JU	Ok
23	P4924-04	MH-4	BF140548.D	21 Nov 2024 20:59		RC/JU	Ok
24	P4921-01	WC-11-A-202411	BF140549.D	21 Nov 2024 21:25		RC/JU	Ok
25	P4916-12	TP-3-WC	BF140550.D	21 Nov 2024 21:51		RC/JU	Ok
26	P4916-08	TP-2-WC	BF140551.D	21 Nov 2024 22:18		RC/JU	Ok
27	P4916-04	TP-1-WC	BF140552.D	21 Nov 2024 22:44		RC/JU	Ok
28	P4887-01	MH-739	BF140553.D	21 Nov 2024 23:10		RC/JU	Ok
29	P4916-09	TP-3-WC	BF140554.D	21 Nov 2024 23:36		RC/JU	Ok
30	P4916-09MS	TP-3-WCMS	BF140555.D	22 Nov 2024 00:02		RC/JU	Ok,M
31	P4916-09MSD	TP-3-WCMSD	BF140556.D	22 Nov 2024 00:28		RC/JU	Ok,M
32	P4916-01	TP-1-WC	BF140557.D	22 Nov 2024 00:54		RC/JU	Ok
33	P4916-05RE	TP-2-WCRE	BF140558.D	22 Nov 2024 01:21	Internal Standard Fail	RC/JU	Confirms
34	P4887-05RE	MH-760RE	BF140559.D	22 Nov 2024 01:47	Internal Standard Fail	RC/JU	Confirms
35	P4924-01	MH-4	BF140560.D	22 Nov 2024 02:13	Internal Standard Fail	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	P4936-01	PL-01-11202024	BF140561.D	22 Nov 2024 02:39	Internal Standard Fail	RC/JU	Ok,M
37	P4929-01	ARS520	BF140562.D	22 Nov 2024 03:06	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120624

Review By	yogesh	Review On	12/10/2024 12:52:35 AM
Supervise By	mohammad	Supervise On	12/10/2024 1:02:52 AM
SubDirectory	BF120624	HP Acquire Method	BNA_F
		HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140759.D	06 Dec 2024 11:41		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140760.D	06 Dec 2024 12:08		RC/JU	Ok,M
3	PB165423BL	PB165423BL	BF140761.D	06 Dec 2024 12:51		RC/JU	Ok
4	PB165423BS	PB165423BS	BF140762.D	06 Dec 2024 13:16		RC/JU	Ok,M
5	P5133-01	MOO-24-00374	BF140763.D	06 Dec 2024 13:48	Internal Standard Fail	RC/JU	Ok
6	P5137-01	LAW-OILY-STONES	BF140764.D	06 Dec 2024 14:14	Internal Standard Fail	RC/JU	Ok
7	P5093-01	LL-001	BF140765.D	06 Dec 2024 14:40		RC/JU	Ok
8	P5093-02	LL-001-FB-12-4-24	BF140766.D	06 Dec 2024 15:06		RC/JU	Ok
9	P5145-01	286085	BF140767.D	06 Dec 2024 15:32	Internal Standard Fail	RC/JU	Ok
10	P5095-04	MH-764	BF140768.D	06 Dec 2024 15:58		RC/JU	Ok
11	P5095-04MS	MH-764MS	BF140769.D	06 Dec 2024 16:24	END CCC Missing	RC/JU	Not Ok
12	P5095-04MSD	MH-764MSD	BF140770.D	06 Dec 2024 16:50	END CCC Missing	RC/JU	Not Ok
13	P5096-04	MH-B	BF140771.D	06 Dec 2024 17:16		RC/JU	Ok
14	P5096-08	MH-A	BF140772.D	06 Dec 2024 17:42		RC/JU	Ok
15	P5117-02	TAPIAL2-IDW-SOIL-12	BF140773.D	06 Dec 2024 18:08	END CCC Missing	RC/JU	Not Ok
16	P5133-02	MOO-24-00374	BF140774.D	06 Dec 2024 18:34		RC/JU	Ok
17	P5136-02	COMP-1	BF140775.D	06 Dec 2024 19:00		RC/JU	Ok
18	P5096-01DL	MH-BDL	BF140776.D	06 Dec 2024 19:26		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120624

Review By	yogesh	Review On	12/10/2024 12:52:35 AM		
Supervise By	mohammad	Supervise On	12/10/2024 1:02:52 AM		
SubDirectory	BF120624	HP Acquire Method	BNA_F	HP Processing Method	bf112124
STD. NAME	STD REF.#				
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621				
CCC	SP6624				
Internal Standard/PEM	S12331,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P5108-01	ASPHALT-COMP	BF140777.D	06 Dec 2024 19:52		RC/JU	Ok
20	P5136-01	COMP-1	BF140778.D	06 Dec 2024 20:18	Internal Standard Fail	RC/JU	Ok
21	P5112-01	10TH-ST-SOIL	BF140779.D	06 Dec 2024 20:44	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
22	P5112-01MS	10TH-ST-SOILMS	BF140780.D	06 Dec 2024 21:10		RC/JU	Ok,M
23	P5112-01MSD	10TH-ST-SOILMSD	BF140781.D	06 Dec 2024 21:36		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF121024

Review By	Yogesh	Review On	12/11/2024 7:19:59 AM
Supervise By		Supervise On	
SubDirectory	BF121024	HP Acquire Method	BNA_F
		HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140794.D	10 Dec 2024 09:39		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140795.D	10 Dec 2024 10:05		RC/JU	Ok,NR
3	PB165477BL	PB165477BL	BF140796.D	10 Dec 2024 10:31		RC/JU	Ok
4	PB165477BS	PB165477BS	BF140797.D	10 Dec 2024 10:57		RC/JU	Ok,NR
5	P5196-01	MH-761	BF140798.D	10 Dec 2024 11:29		RC/JU	Ok
6	P5174-01	ROLL-OFF-COMP	BF140799.D	10 Dec 2024 11:55	Internal Standard Fail, Confirmed with MS/MSD	RC/JU	Ok,NR
7	P5174-01MS	ROLL-OFF-COMPMS	BF140800.D	10 Dec 2024 12:21	Internal Standard Fail	RC/JU	Ok,NR
8	P5174-01MSD	ROLL-OFF-COMPMSD	BF140801.D	10 Dec 2024 12:47	Internal Standard Fail	RC/JU	Ok,NR
9	P5175-01	OK-01-12062024	BF140802.D	10 Dec 2024 13:13	Internal Standard Fail	RC/JU	ReRun
10	P5112-01DL	10TH-ST-SOILDL	BF140803.D	10 Dec 2024 13:39		RC/JU	Ok,NR
11	P5176-01	EO-02-12062024	BF140804.D	10 Dec 2024 14:05	Internal Standard Fail	RC/JU	Ok,NR
12	P5176-03	EO-03-12062024	BF140805.D	10 Dec 2024 14:31	Internal Standard Fail	RC/JU	Ok,NR
13	P5174-02	ROLL-OFF-COMP	BF140806.D	10 Dec 2024 15:23		RC/JU	Ok
14	P5174-02MS	ROLL-OFF-COMPMS	BF140807.D	10 Dec 2024 15:49		RC/JU	Ok,NR
15	P5174-02MSD	ROLL-OFF-COMPMSD	BF140808.D	10 Dec 2024 16:16		RC/JU	Ok,NR
16	P5196-04	MH-761	BF140809.D	10 Dec 2024 16:42		RC/JU	Ok
17	P5216-04	BP-G-6	BF140810.D	10 Dec 2024 17:08		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF121024

Review By	Yogesh	Review On	12/11/2024 7:19:59 AM
Supervise By		Supervise On	
SubDirectory	BF121024	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12331,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	P5216-08	MH-743	BF140811.D	10 Dec 2024 17:34		RC/JU	Ok
19	P5216-12	MH-744	BF140812.D	10 Dec 2024 18:00		RC/JU	Ok
20	P5216-16	TP-12	BF140813.D	10 Dec 2024 18:26		RC/JU	Ok
21	P5216-13	TP-12	BF140814.D	10 Dec 2024 18:52	Internal Standard Fail	RC/JU	Ok
22	P5216-13MS	TP-12MS	BF140815.D	10 Dec 2024 19:18	Internal Standard Fail	RC/JU	Ok,NR
23	P5216-13MSD	TP-12MSD	BF140816.D	10 Dec 2024 19:44	Internal Standard Fail	RC/JU	Ok,NR
24	P5216-05	MH-743	BF140817.D	10 Dec 2024 20:11	Internal Standard Fail	RC/JU	ReRun
25	P5223-01	TR-05-120924	BF140818.D	10 Dec 2024 20:37	Internal Standard Fail	RC/JU	Ok,NR

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/6/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/05/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 12/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133767

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
P5112-01	10TH-ST-SOIL	1	1.15	8.38	9.53	8.81	91.4	
P5113-01	FES-SB406-4345	2	1.15	8.81	9.96	8.94	88.4	
P5113-02	FES-SB406-7375	3	1.15	8.61	9.76	7.93	78.7	
P5117-01	TAPIAL3-SB04I-10-12032 4-00-T1	4	1.15	8.59	9.74	9.37	95.7	
P5117-02	TAPIAL2-IDW-SOIL-12042 4-00-T2	5	1.15	8.38	9.53	7.84	79.8	
P5120-01	TAPIAL2-IDW-SOIL-12042 4-00-T2	6	1.15	8.38	9.53	7.84	79.8	
P5133-01	MOO-24-00374	9	1.15	8.35	9.5	9.14	95.7	
P5134-01	MOO-24-00373	10	1.00	1.00	2.00	2.00	100.0	debris
P5135-01	LAW-23-00193	11	1.16	8.44	9.6	9.05	93.5	
P5136-01	COMP-1	12	1.16	8.49	9.65	7.26	71.8	
P5137-01	LAW-OILY-STONES	13	1.00	1.00	2.00	2.00	100.0	oily stone
P5137-02	LAW-OILY-STONES-E2	14	1.00	1.00	2.00	2.00	100.0	oily stone
P5144-01	60400	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P5147-01	EX-8-TPH-1	7	1.15	8.82	9.97	8.29	81.0	
P5147-02	EX-8-TPH-2	8	1.15	8.76	9.91	8.1	79.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

133767

WorkList Name : %1-120524

WorkList ID : 185988

Department : Wet-Chemistry

Date : 12-05-2024 08:21:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5112-01	10TH-ST-SOIL	Solid	Percent Solids	Cool 4 deg C	TULL02	L51	12/05/2024	Chemtech -SO
P5113-01	FES-SB406-4345	Solid	Percent Solids	Cool 4 deg C	TETRO6	L31	12/04/2024	Chemtech -SO
P5113-02	FES-SB406-7375	Solid	Percent Solids	Cool 4 deg C	TETRO6	L31	12/04/2024	Chemtech -SO
P5117-01	TAPIAL3-SB04I-10-120324-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/05/2024	Chemtech -SO
P5117-02	TAPIAL2-IDW-SOIL-120424-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/05/2024	Chemtech -SO
P5120-01	TAPIAL2-IDW-SOIL-120424-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	11/27/2024	Chemtech -SO
P5133-01	MOO-24-00374	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5134-01	MOO-24-00373	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5135-01	LAW-23-00193	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/05/2024	Chemtech -SO
P5136-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5137-01	LAW-OILY-STONES	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5137-02	LAW-OILY-STONES-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5147-01	EX-8-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	12/05/2024	Chemtech -SO
P5147-02	EX-8-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	12/05/2024	Chemtech -SO

Date/Time 12/05/24 15:40
 Raw Sample Received by: JH werc
 Raw Sample Relinquished by: RJ cext-(ab)

Date/Time 12/05/24 18:10
 Raw Sample Received by: RJ cext-(ab)
 Raw Sample Relinquished by: JH werc

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A **Extraction Start Date :** 12/06/2024

Matrix : Solid **Extraction Start Time :** 08:55

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 12/06/2024

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 11:55

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
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	EP2560
Baked Na2SO4	N/A	EP2570
Sand	N/A	E2865
Methylene Chloride	N/A	E3845
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. P 5136-01 Limited volume used as sample is Oily Debries.

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
12/6/24	RP (Ext 165)	Ralsvce
12:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/06/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165423BL	SBLK423	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U4-1
PB165423BS	SLCS423	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
P5112-01	10TH-ST-SOIL	SVOC-PAH	30.04	N/A	ritesh	Evelyn	1	E		3
P5112-01MS	10TH-ST-SOILMS	SVOC-PAH	30.07	N/A	ritesh	Evelyn	1	E		4
P5112-01MS D	10TH-ST-SOILMSD	SVOC-PAH	30.05	N/A	ritesh	Evelyn	1	E		5
P5133-01	MOO-24-00374	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E	Small Partical	6
P5136-01	COMP-1	SVOC-TCL BNA -20	5.04	N/A	ritesh	Evelyn	1	E	Oily Debris+Small Particles	U3-1
P5137-01	LAW-OILY-STONES	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E	Stone	2

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5136

WorkList ID : 186041

Department : Extraction

Date : 12-06-2024 08:21:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5112-01	10TH-ST-SOIL	Solid	SVOC-PAH	Cool 4 deg C	TULL02	L51	12/05/2024	8270E
P5133-01	MOO-24-00374	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/05/2024	8270E
P5136-01	COMP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/05/2024	8270E
P5137-01	LAW-OILY-STONES	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/05/2024	8270E

Date/Time 12/6/24 8:50
Raw Sample Received by: PJ (Set 1632)
Raw Sample Relinquished by: JDC (Sum)

Date/Time 12/6/24 9:10
Raw Sample Received by: JDC (Sum)
Raw Sample Relinquished by: PJ (Set 1632)



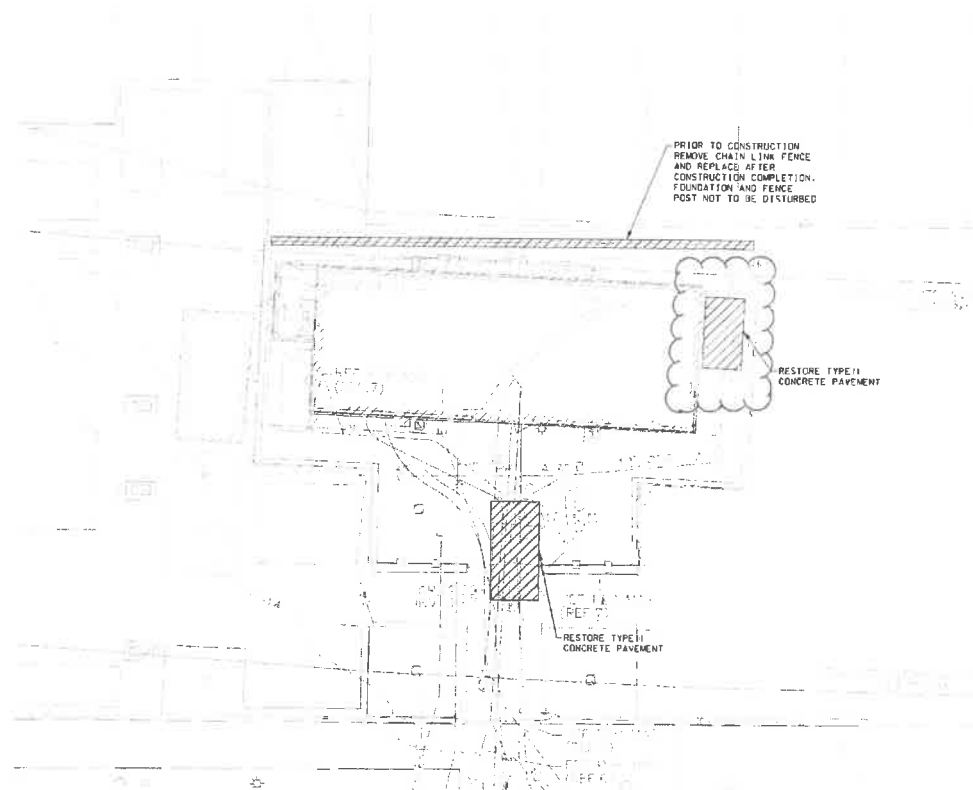
SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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CHEMTECH PROJECT NO.
QUOTE NO. P5112
COC Number 2040992

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION									
REPORT TO BE SENT TO: COMPANY: Tully Construction ADDRESS: 10th St. & 2nd Ave CITY: Brooklyn STATE: NY ZIP: ATTENTION: FRANCO/DEAN DEVOE PHONE: (917) 391-8200 FAX:				PROJECT NAME: Covey Island Yacht Long Term Flood Mitigation 2024 PROJECT NO.: LOCATION: PROJECT MANAGER: e-mail: PHONE: FAX:				BILL TO: PO#: ADDRESS: CITY STATE: ZIP: ATTENTION: PHONE: ANALYSIS									
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION													
FAX (RUSH) DAYS* HARDCOPY (DATA PACKAGE): DAYS* EDD: DAYS* *TO BE APPROVED BY CHEMTECH STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS				☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data) ☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP ☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B + Raw Data ☐ Other ☐ EDD FORMAT				1 2 3 4 5 6 7 8 9 VOCs, SVOC, PCB, TCLP Extraction, Concentration, Ignitability, Res. Sp. Res. Sol. Mercury, Volatile Inorganic									
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	10th St. - Soil	S.	X		12/5	0822	13	X	X	X	X	X	X				APU-0-0
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																	
RELINQUISHED BY SAMPLER:		DATE/TIME: 0855		RECEIVED BY:		Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C											
1. [Signature]		12/5/24		1. [Signature]		Comments:											
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:													
2. [Signature]				2. [Signature]													
RELINQUISHED BY SAMPLER:		DATE/TIME: 1020		RECEIVED BY:		Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other CHEMTECH: ☐ Picked Up ☐ Field Sampling Shipment Complete ☐ YES ☐ NO											
3. [Signature]		12/5/24		3. [Signature]													



SITE PAVEMENT PLAN
SCALE: 1"=1'-0"



IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER / REGISTERED ARCHITECT. THE ALTERING ENGINEER ARCHITECT SHALL BE NOTED BY A REVISION NUMBER, JUD, AND THE ALTERATION SHALL BE FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION AND A BRIEF DESCRIPTION OF THE ALTERATION.

REVISION	DESCRIPTION	DATE	APPROVED



CONTRACT P-36343
FLOOD MITIGATION AT TWENTY-SIX (26) STATIONS
IN THE BOROUGH OF BROOKLYN, MANHATTAN AND QUEENS
**10TH STREET SUBSTATION
SITE PAVEMENT PLAN**



DRAWN BY	B. HOSAMATH	<i>B. Hosamath</i>	DATE	12/08/2023
DESIGNED BY	L. KARDOS, PE	<i>Leslie Kardos</i>	DISECIPLINE	CIVIL
CHECKED BY	M. NAYAMATULLAH, PE	<i>Munir Nayamatullah</i>	PROJECT NO.	P36343-10T-CG-101
APPROVED BY	S. KHONDKER, PE	<i>Sufian Khondker</i>	REVISION	

Project Name: Covey Island YARD
Service Order #: LEGS TAM Flood Mitigation 2024
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 10th St & 2nd Ave
BROOKLYN NY

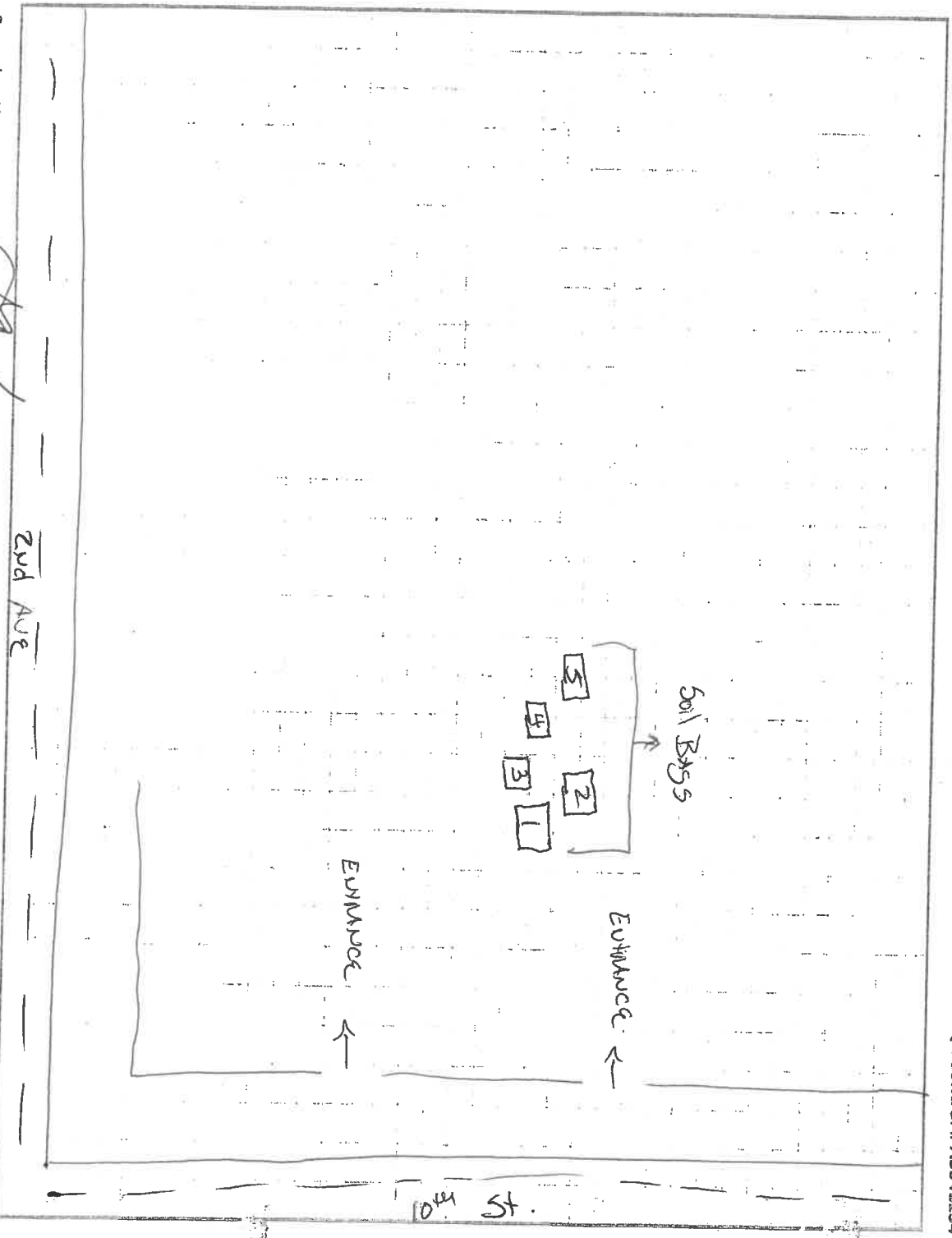
Chemtech Order ID:
Sampler Name: Collins Nye
Client Project Coordinator & Phone: DEAN DEVOE (973) 391-8200
Page #: 1 of 1
Date: 12-5-24
Arrive Time: 0730
Depart Time: 0855

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water ☒ Solid ☒ NAPL / Concrete / Wipe

Collection Depths: Dimensions/CY:
Temp (range): °C PID Readings (range): 0-0 PPM Odor: Y / ☒ N Color: Y / ☒ N
Sample Description: BROWN, DARK BROWN SOIL
Field Observations: (5) Total Soil Bags inside station

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: [Signature]
Client Signature:

Supervisor Review/Date:
Date/Time Arrived at Lab:



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5112	TULL02	Order Date : 12/5/2024 10:43:00 AM	Project Mgr :
Client Name : Tully Construction Co., Inc.		Project Name : 10th Street & 2nd Avenue	Report Type : Level 1
Client Contact : Dean Devoe		Receive DateTime : 12/5/2024 12:00:00 AM 10:20	EDD Type : Excel NY 375
Invoice Name : Tully Construction Co., Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Dean Devoe			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5112-01	10TH-ST-SOIL	Solid	12/05/2024	00:00					
				8:22	VOC-TCLVOA-10		8260D		5 Bus. Days

Relinquished By : 

Date / Time : 12/5/24 1140

Received By : 

Date / Time : 12/5/24 11:40

Storage Area : VOA Refridgerator Room