

Cover Page

Order ID : P5026

Project ID : Hamilton

Client : Tully Construction Co., Inc.

Lab Sample Number

P5026-01
P5026-02
P5026-03
P5026-04
P5026-05
P5026-06
P5026-07
P5026-08

Client Sample Number

SOIL-1-HAM
SOIL-1-HAM
SOIL-1-HAM-TPH2
SOIL-1-HAM-GRAB
SOIL-1-HAM
SOIL-1-HAM
SOIL-1-HAM-TPH2
SOIL-1-HAM-GRAB

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: 12/5/2024

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 #: P5026

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: PRIYANKA DAVE

Date: 12/05/2024

LAB CHRONICLE

OrderID:	P5026	OrderDate:	11/27/2024 11:24:00 AM
Client:	Tully Construction Co., Inc.	Project:	Hamilton
Contact:	Dean Devoe	Location:	L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5026-01	SOIL-1-HAM	SOIL	SVOC-PAH	8270E	11/27/24	12/02/24	12/03/24	11/27/24
P5026-05	SOIL-1-HAM	SOIL	SVOC-PAH	8270E	11/27/24	12/02/24	12/02/24	11/27/24



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Hit Summary Sheet
SW-846

SDG No.: P5026
Client: Tully Construction Co., Inc.

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P5026

Client: Tully Construction Co., Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P5026-01	SOIL-1-HAM	Nitrobenzene-d5	100	63.6	64		18	107
		2-Fluorobiphenyl	100	62.2	62		20	109
		Terphenyl-d14	100	53.1	53		10	105
P5026-05		Nitrobenzene-d5	100	56.2	56		18	107
		2-Fluorobiphenyl	100	55.9	56		20	109
		Terphenyl-d14	100	52.2	52		10	105
P5026-05MS	SOIL-1-HAMMS	Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	49.7	50		20	109
		Terphenyl-d14	100	47.1	47		10	105
P5026-05MSD	SOIL-1-HAMMSD	Nitrobenzene-d5	100	57.7	58		18	107
		2-Fluorobiphenyl	100	56.4	56		20	109
		Terphenyl-d14	100	51.2	51		10	105
PB165312BL	PB165312BL	Nitrobenzene-d5	100	86.6	87		18	107
		2-Fluorobiphenyl	100	90.4	90		20	109
		Terphenyl-d14	100	91.0	91		10	105
PB165312BS	PB165312BS	Nitrobenzene-d5	100	84.7	85		18	107
		2-Fluorobiphenyl	100	88.5	88		20	109
		Terphenyl-d14	100	95.2	95		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5026

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:	P5026-05MS	Client Sample ID:	SOIL-1-HAMMS					DataFile:	BF140697.D		
Naphthalene	2100	0	1900	ug/Kg	90				72	110	
Acenaphthylene	2100	0	2100	ug/Kg	100				79	118	
Acenaphthene	2100	0	2000	ug/Kg	95				70	121	
Fluorene	2100	0	2000	ug/Kg	95				68	116	
Phenanthrene	2100	0	2000	ug/Kg	95				52	128	
Anthracene	2100	0	2100	ug/Kg	100				62	124	
Fluoranthene	2100	0	2100	ug/Kg	100				44	125	
Pyrene	2100	0	2000	ug/Kg	95				26	142	
Benzo(a)anthracene	2100	0	2100	ug/Kg	100				71	114	
Chrysene	2100	0	2000	ug/Kg	95				57	121	
Benzo(b)fluoranthene	2100	0	2100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	2100	0	1900	ug/Kg	90				57	134	
Benzo(a)pyrene	2100	0	2200	ug/Kg	105				70	142	
Indeno(1,2,3-cd)pyrene	2100	0	2100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	2100	0	2000	ug/Kg	95				43	123	
Benzo(g,h,i)perylene	2100	0	1900	ug/Kg	90				24	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5026

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:	P5026-05MSD	Client Sample ID:	SOIL-1-HAMMSD					DataFile:	BF140698.D		
Naphthalene	2100	0	2200	ug/Kg	105		15		72	110	20
Acenaphthylene	2100	0	2300	ug/Kg	110		10		79	118	20
Acenaphthene	2100	0	2200	ug/Kg	105		10		70	121	20
Fluorene	2100	0	2200	ug/Kg	105		10		68	116	20
Phenanthrene	2100	0	2300	ug/Kg	110		15		52	128	20
Anthracene	2100	0	2400	ug/Kg	114		13		62	124	20
Fluoranthene	2100	0	2400	ug/Kg	114		13		44	125	20
Pyrene	2100	0	2200	ug/Kg	105		10		26	142	20
Benzo(a)anthracene	2100	0	2300	ug/Kg	110		10		71	114	20
Chrysene	2100	0	2300	ug/Kg	110		15		57	121	20
Benzo(b)fluoranthene	2100	0	2400	ug/Kg	114		13		67	121	20
Benzo(k)fluoranthene	2100	0	2500	ug/Kg	119		28	*	57	134	20
Benzo(a)pyrene	2100	0	2700	ug/Kg	129		21	*	70	142	20
Indeno(1,2,3-cd)pyrene	2100	0	2200	ug/Kg	105		5		40	129	20
Dibenz(a,h)anthracene	2100	0	2100	ug/Kg	100		5		43	123	20
Benzo(g,h,i)perylene	2100	0	2000	ug/Kg	95		5		24	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5026

Client: Tully Construction Co., Inc.

Analytical Method: 8270E

DataFile: BF140704.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165312BS	Naphthalene	1700	1500	ug/Kg	88				62	100	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165312BL

Lab Name: CHEMTECH

Contract: TULL02

Lab Code: CHEM Case No.: P5026

SAS No.: P5026 SDG NO.: P5026

Lab File ID: BF140703.D

Lab Sample ID: PB165312BL

Instrument ID: BNA_F

Date Extracted: 12/02/2024

Matrix: (soil/water) SOIL

Date Analyzed: 12/03/2024

Level: (low/med) LOW

Time Analyzed: 11:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165312BS	PB165312BS	BF140704.D	12/03/2024
SOIL-1-HAM	P5026-01	BF140718.D	12/03/2024
SOIL-1-HAM	P5026-05	BF140696.D	12/02/2024
SOIL-1-HAMMS	P5026-05MS	BF140697.D	12/02/2024
SOIL-1-HAMMSD	P5026-05MSD	BF140698.D	12/02/2024

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TULL02Lab Code: CHEMSAS No.: P5026 SDG NO.: P5026Lab 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	99.8
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.: P5026 SDG NO.: P5026Lab File ID: BF140680.DDFTPP Injection Date: 12/02/2024Instrument ID: BNA_FDFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.7
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	BF140681.D	12/02/2024	10:22
SOIL-1-HAM	P5026-05	BF140696.D	12/02/2024	18:31
SOIL-1-HAMMS	P5026-05MS	BF140697.D	12/02/2024	18:57
SOIL-1-HAMMSD	P5026-05MSD	BF140698.D	12/02/2024	19:23



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TULL02Lab Code: CHEMSAS No.: P5026 SDG NO.: P5026Lab File ID: BF140701.DDFTPP Injection Date: 12/03/2024Instrument ID: BNA_FDFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140702.D	12/03/2024	11:24
PB165312BL	PB165312BL	BF140703.D	12/03/2024	11:56
PB165312BS	PB165312BS	BF140704.D	12/03/2024	12:22
SOIL-1-HAM	P5026-01	BF140718.D	12/03/2024	18:26

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5026 SAS No.: P5026 SDG NO.: P5026

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/02/2024

Lab File ID: BF140681.D Time Analyzed: 10:22

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	83338	6.869	303615	8.15	170338	9.91
UPPER LIMIT	166676	7.369	607230	8.651	340676	10.41
LOWER LIMIT	41669	6.369	151808	7.651	85169	9.41
EPA SAMPLE NO.						
01 SOIL-1-HAMMS	86982	6.87	326220	8.15	185319	9.91
02 SOIL-1-HAMMSD	79657	6.87	312268	8.15	178661	9.91
03 SOIL-1-HAM	89859	6.87	339403	8.15	182322	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.: P5026 SAS No.: P5026 SDG NO.: P5026

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/02/2024

Lab File ID: BF140681.D Time Analyzed: 10:22

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	321182	11.398	183379	14.063	159952	15.58
UPPER LIMIT	642364	11.898	366758	14.563	319904	16.08
LOWER LIMIT	160591	10.898	91689.5	13.563	79976	15.08
EPA SAMPLE NO.						
01 SOIL-1-HAMMS	361245	11.40	215378	14.05	179173	15.54
02 SOIL-1-HAMMSD	336781	11.40	217135	14.05	164773	15.54
03 SOIL-1-HAM	341014	11.40	197098	14.05	161533	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5026 SAS No.: P5026 SDG NO.: P5026

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/03/2024

Lab File ID: BF140702.D Time Analyzed: 11:24

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	78577	6.869	287976	8.15	161859	9.91
UPPER LIMIT	157154	7.369	575952	8.651	323718	10.41
LOWER LIMIT	39288.5	6.369	143988	7.651	80929.5	9.41
EPA SAMPLE NO.						
01 PB165312BL	79681	6.87	306120	8.15	175092	9.90
02 PB165312BS	89477	6.87	355921	8.15	205335	9.91
03 SOIL-1-HAM	68863	6.87	257244	8.15	137460	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.: P5026 SAS No.: P5026 SDG NO.: P5026

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/03/2024

Lab File ID: BF140702.D Time Analyzed: 11:24

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	309121	11.398	178961	14.057	151018	15.568
UPPER LIMIT	618242	11.898	357922	14.557	302036	16.068
LOWER LIMIT	154561	10.898	89480.5	13.557	75509	15.068
EPA SAMPLE NO.						
01 PB165312BL	343900	11.40	225506	14.06	178705	15.59
02 PB165312BS	400071	11.40	241048	14.06	201165	15.56
03 SOIL-1-HAM	234583	11.39	131312	14.05	155748	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.



SAMPLE DATA

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAM	SDG No.:	P5026
Lab Sample ID:	P5026-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.4
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
BF140718.D	1	12/02/24 09:00	12/03/24 18:26	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.10	U	0.10	0.21	mg/Kg
208-96-8	Acenaphthylene	0.11	U	0.11	0.21	mg/Kg
83-32-9	Acenaphthene	0.10	U	0.10	0.21	mg/Kg
86-73-7	Fluorene	0.11	U	0.11	0.21	mg/Kg
85-01-8	Phenanthrene	0.11	U	0.11	0.21	mg/Kg
120-12-7	Anthracene	0.11	U	0.11	0.21	mg/Kg
206-44-0	Fluoranthene	0.10	U	0.10	0.21	mg/Kg
129-00-0	Pyrene	0.10	U	0.10	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.10	U	0.10	0.21	mg/Kg
218-01-9	Chrysene	0.100	U	0.100	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.10	U	0.10	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.10	U	0.10	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.12	UQ	0.12	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.098	UQ	0.098	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.10	U	0.10	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	U	0.10	0.21	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.6		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.2		20 - 109	62%	SPK: 100
1718-51-0	Terphenyl-d14	53.1		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	68900	6.869			
1146-65-2	Naphthalene-d8	257000	8.151			
15067-26-2	Acenaphthene-d10	137000	9.904			
1517-22-2	Phenanthrene-d10	235000	11.392			
1719-03-5	Chrysene-d12	131000	14.051			
1520-96-3	Perylene-d12	156000	15.557			

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAM	SDG No.:	P5026
Lab Sample ID:	P5026-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.4
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
BF140718.D	1	12/02/24 09:00	12/03/24 18:26	PB165312

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\BF120324\
Data File : BF140718.D
Acq On : 03 Dec 2024 18:26
Operator : RC/JU
Sample : P5026-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

Quant Time: Dec 03 22:15:11 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)

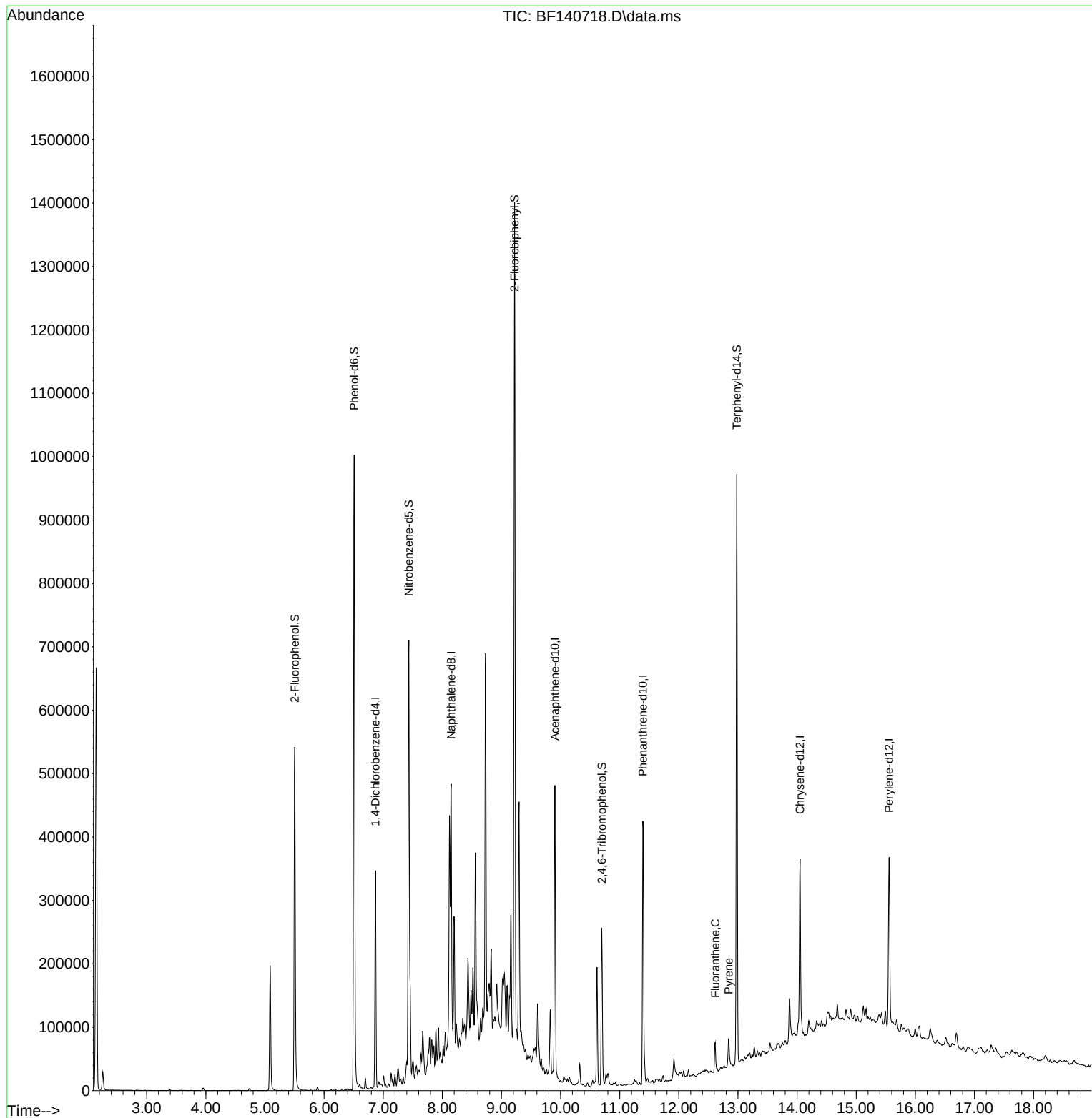
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68863	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	257244	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	137460	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	234583	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	131312	20.000	ng	0.00
86) Perylene-d12	15.557	264	155748	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	219405	54.362	ng	0.00
7) Phenol-d6	6.510	99	474218	88.876	ng	0.00
23) Nitrobenzene-d5	7.434	82	320064	63.641	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	44455	30.239	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	573688	62.183	ng	-0.01
79) Terphenyl-d14	12.980	244	447570	53.074	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	25603	2.091	ng	99
78) Pyrene	12.845	202	26806	2.208	ng	98

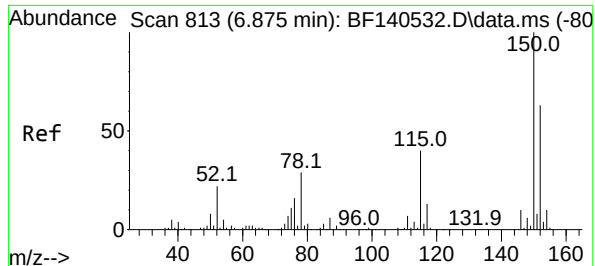
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140718.D
Acq On : 03 Dec 2024 18:26
Operator : RC/JU
Sample : P5026-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

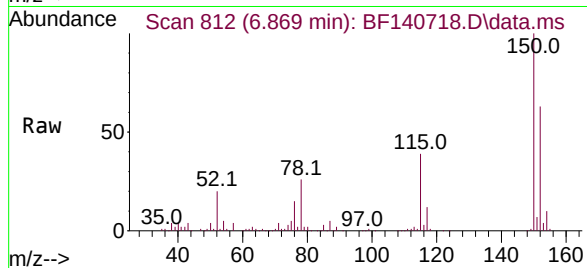
Quant Time: Dec 03 22:15:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



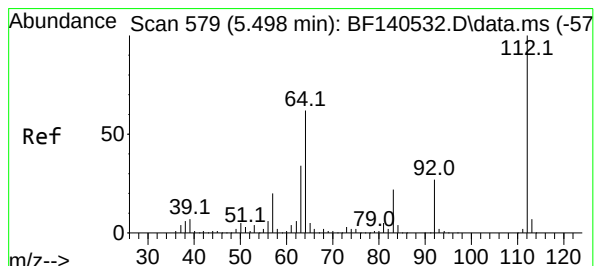
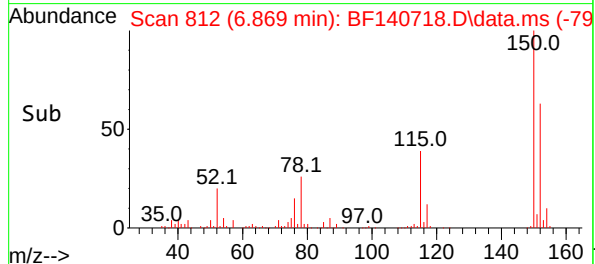
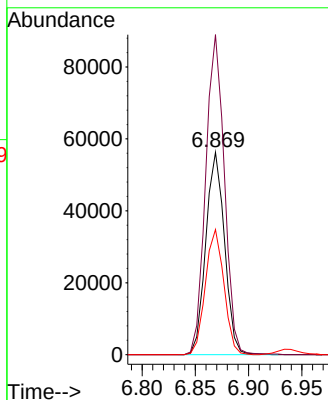


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

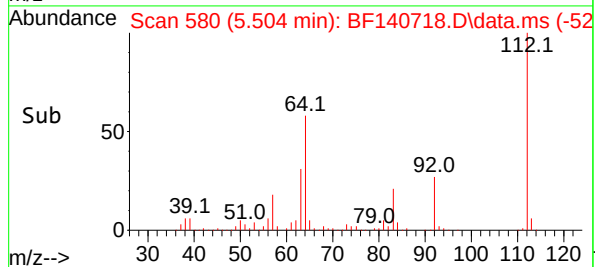
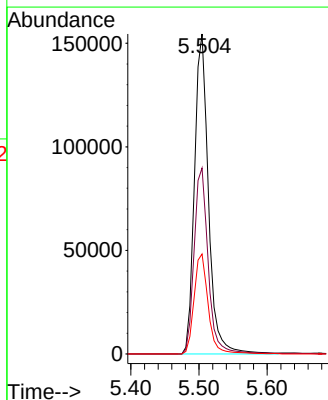
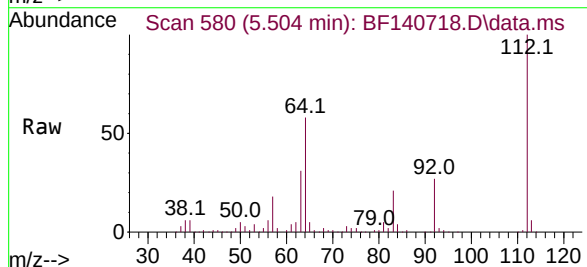


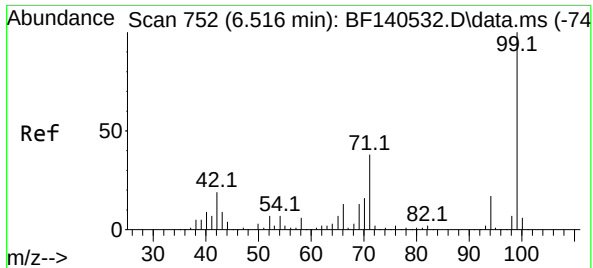
Tgt Ion:152 Resp: 68863
Ion Ratio Lower Upper
152 100
150 158.1 128.5 192.7
115 61.8 50.2 75.4



#5
2-Fluorophenol
Concen: 54.362 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion:112 Resp: 219405
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 31.2 27.0 40.4

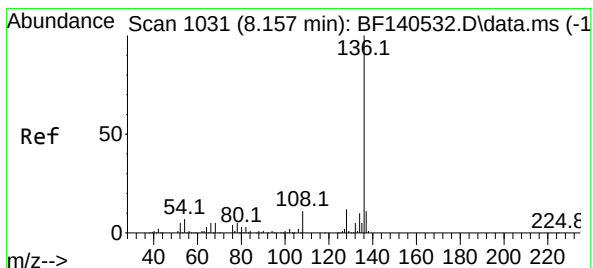
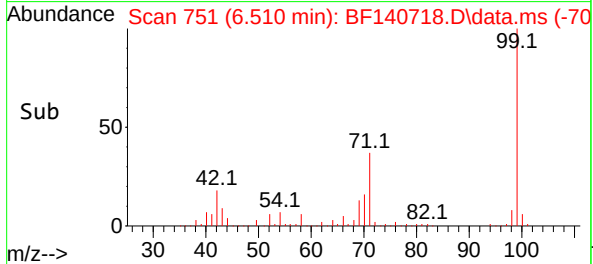
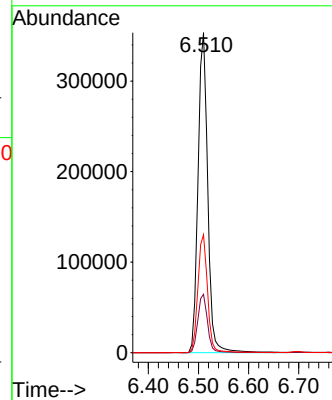
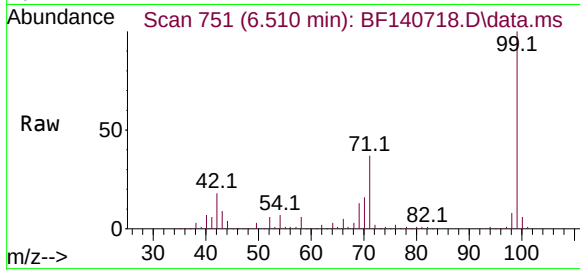




#7
Phenol-d6
Concen: 88.876 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

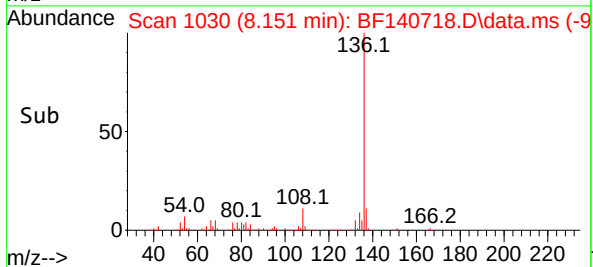
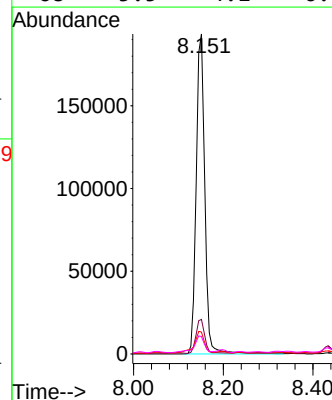
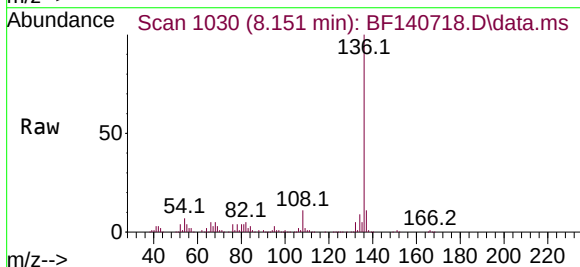
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

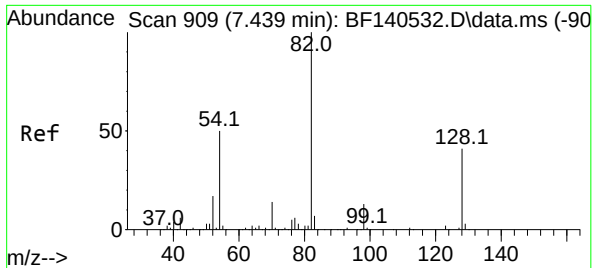
Tgt Ion: 99 Resp: 474218
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 36.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion: 136 Resp: 257244
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.8 5.8 8.8
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 63.641 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

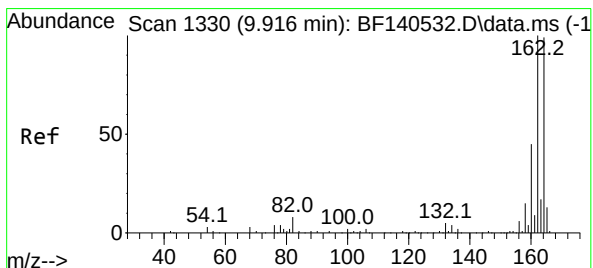
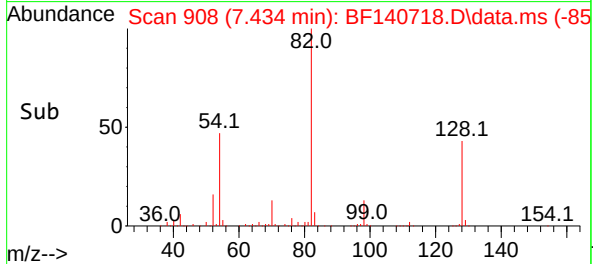
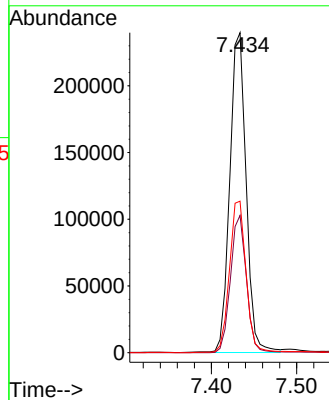
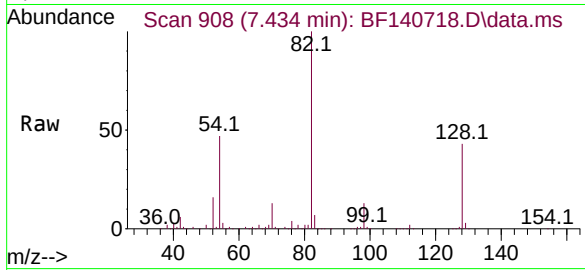
Tgt Ion: 82 Resp: 320064

Ion Ratio Lower Upper

82 100

128 42.9 33.0 49.4

54 47.4 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

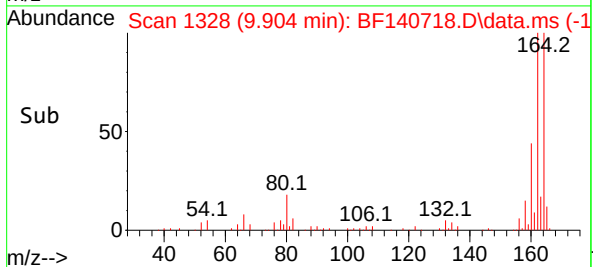
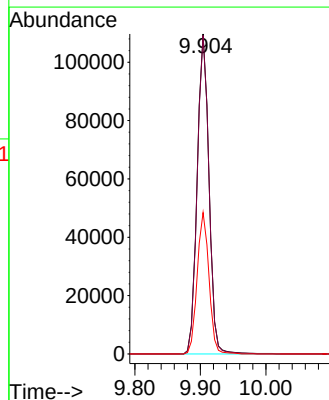
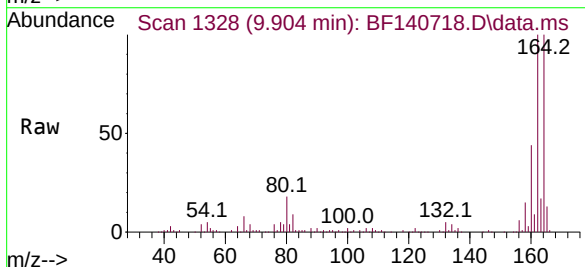
Tgt Ion: 164 Resp: 137460

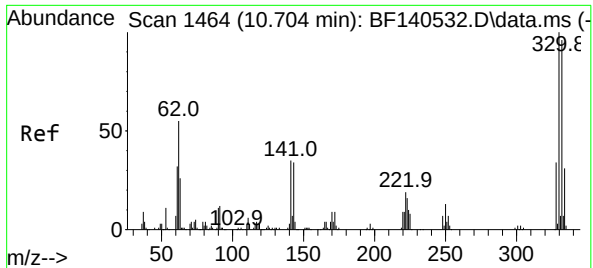
Ion Ratio Lower Upper

164 100

162 99.5 80.6 120.8

160 44.2 36.2 54.4

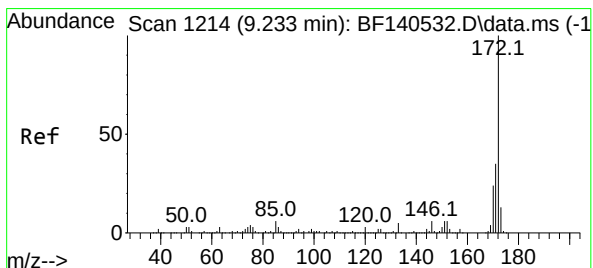
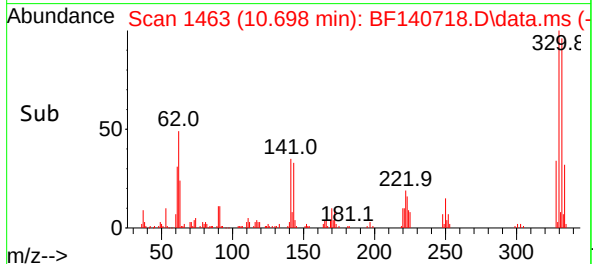
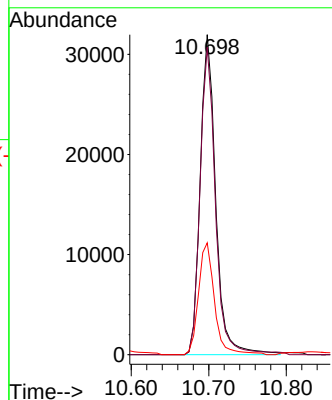
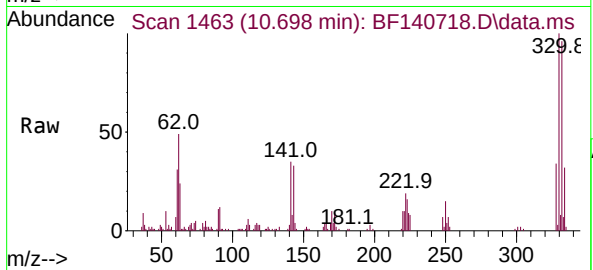




#42
2,4,6-Tribromophenol
Concen: 30.239 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

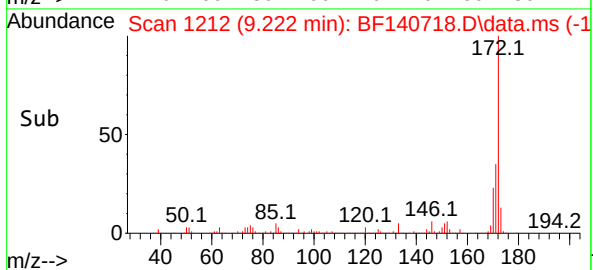
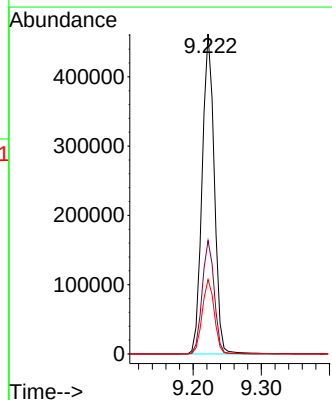
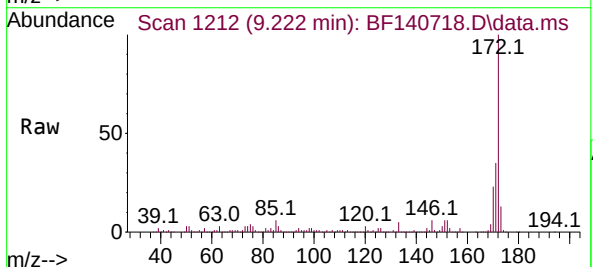
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

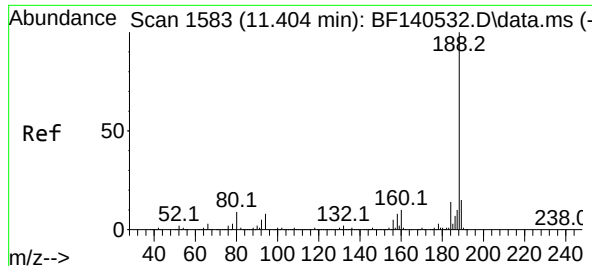
Tgt Ion: 330 Resp: 44455
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 36.0 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 62.183 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion: 172 Resp: 573688
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.3 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

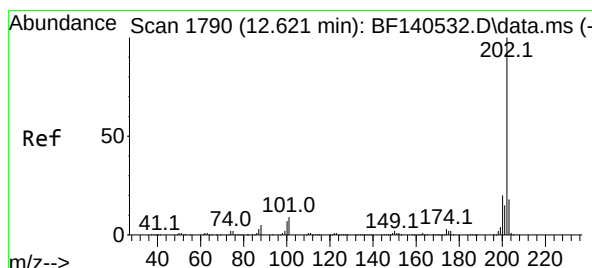
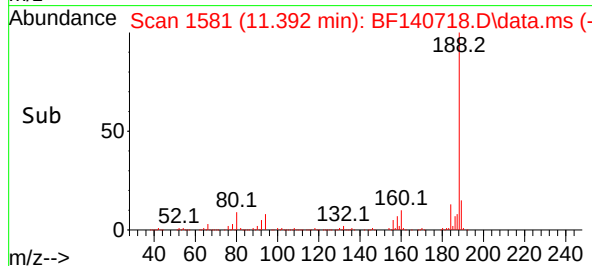
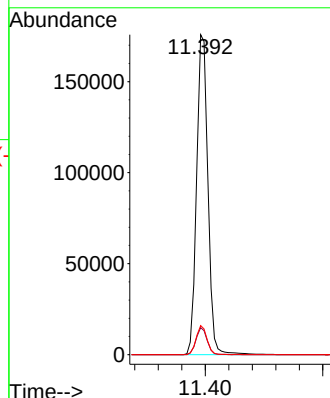
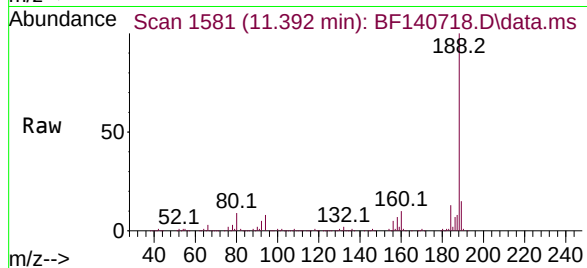
Tgt Ion:188 Resp: 234583

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.1 6.9 10.3



#75

Fluoranthene

Concen: 2.091 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

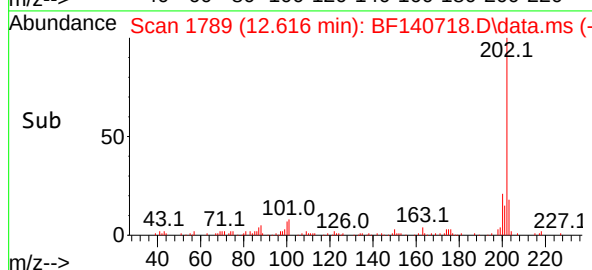
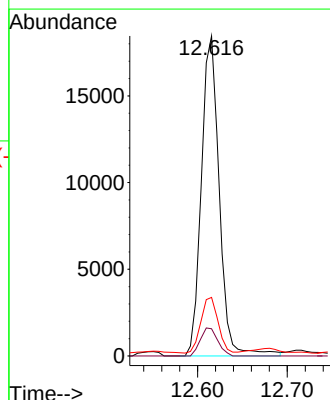
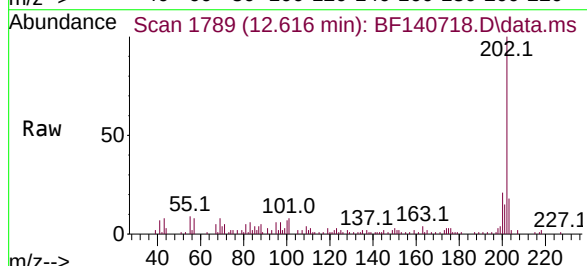
Tgt Ion:202 Resp: 25603

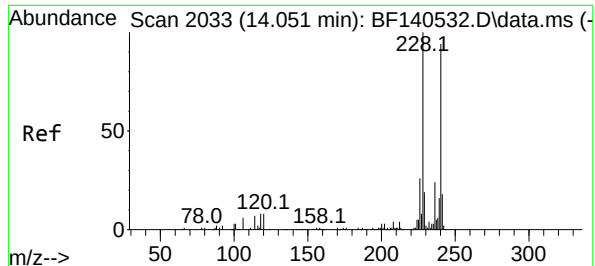
Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.9

203 18.3 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: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

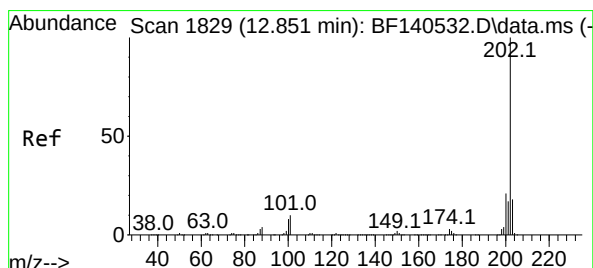
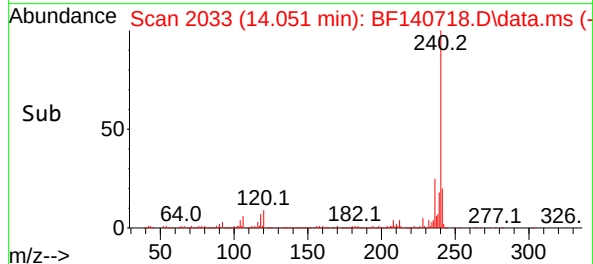
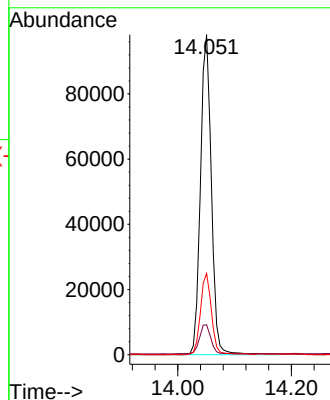
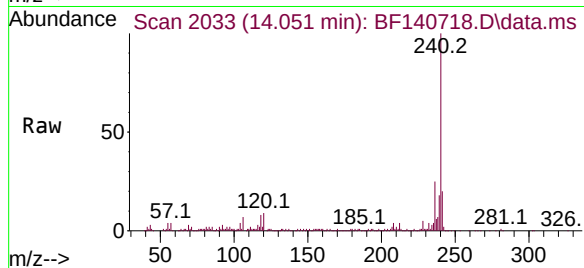
Tgt Ion:240 Resp: 131312

Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 25.4 20.6 31.0



#78

Pyrene

Concen: 2.208 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

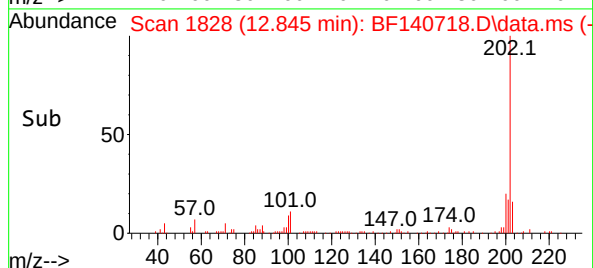
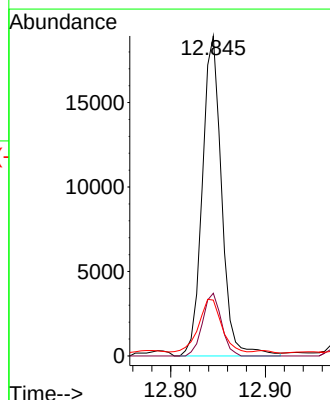
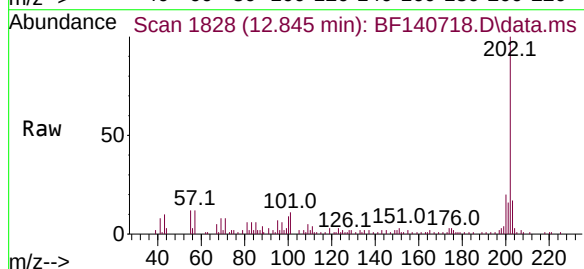
Tgt Ion:202 Resp: 26806

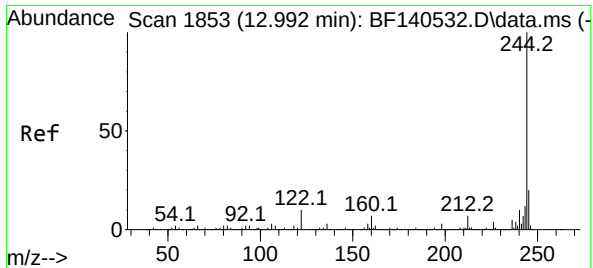
Ion Ratio Lower Upper

202 100

200 19.6 16.5 24.7

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 53.074 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

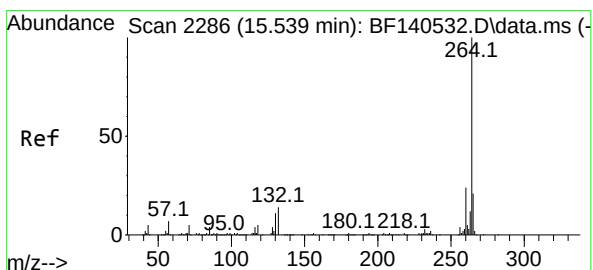
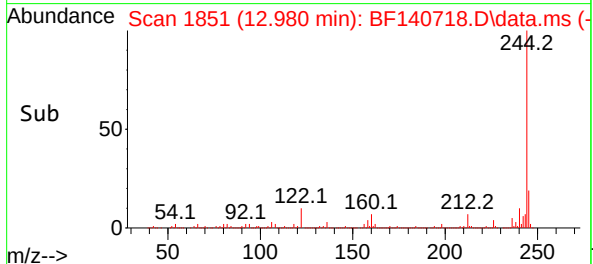
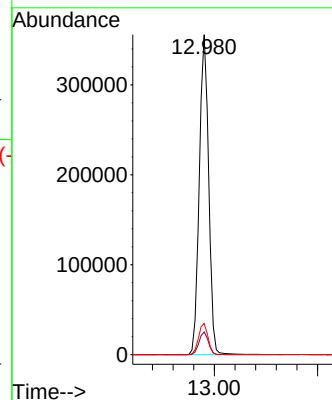
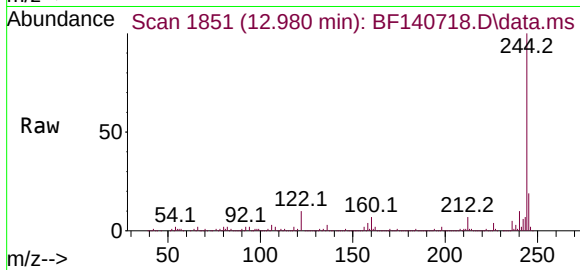
Tgt Ion:244 Resp: 447570

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.8 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2289

Delta R.T. 0.018 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

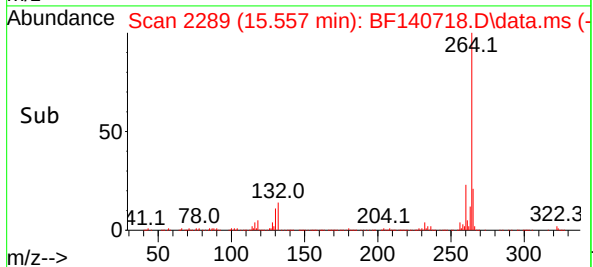
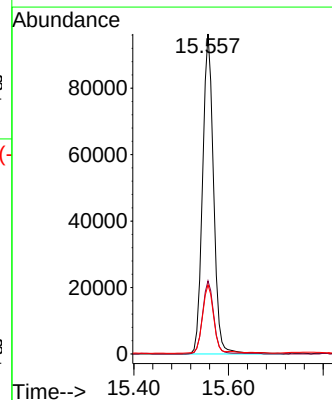
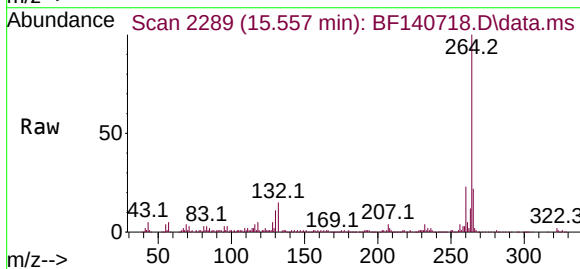
Tgt Ion:264 Resp: 155748

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.6

265 21.5 16.6 25.0



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAM	SDG No.:	P5026
Lab Sample ID:	P5026-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.8
Sample Wt/Vol:	30.09 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
BF140696.D	1	12/02/24 09:00	12/02/24 18:31	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.11	U	0.11	0.22	mg/Kg
208-96-8	Acenaphthylene	0.11	U	0.11	0.22	mg/Kg
83-32-9	Acenaphthene	0.10	U	0.10	0.22	mg/Kg
86-73-7	Fluorene	0.11	U	0.11	0.22	mg/Kg
85-01-8	Phenanthrene	0.11	U	0.11	0.22	mg/Kg
120-12-7	Anthracene	0.11	U	0.11	0.22	mg/Kg
206-44-0	Fluoranthene	0.10	U	0.10	0.22	mg/Kg
129-00-0	Pyrene	0.11	U	0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	0.10	U	0.10	0.22	mg/Kg
218-01-9	Chrysene	0.10	U	0.10	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.10	U	0.10	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.11	U	0.11	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.12	UQ	0.12	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	UQ	0.10	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.10	U	0.10	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	U	0.10	0.22	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	56.2		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		20 - 109	56%	SPK: 100
1718-51-0	Terphenyl-d14	52.2		10 - 105	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	89900	6.869			
1146-65-2	Naphthalene-d8	339000	8.151			
15067-26-2	Acenaphthene-d10	182000	9.904			
1517-22-2	Phenanthrene-d10	341000	11.398			
1719-03-5	Chrysene-d12	197000	14.045			
1520-96-3	Perylene-d12	162000	15.539			

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAM	SDG No.:	P5026
Lab Sample ID:	P5026-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.8
Sample Wt/Vol:	30.09 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
BF140696.D	1	12/02/24 09:00	12/02/24 18:31	PB165312

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\BF120224\
Data File : BF140696.D
Acq On : 02 Dec 2024 18:31
Operator : RC/JU
Sample : P5026-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

Quant Time: Dec 03 00:04:51 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	89859	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	339403	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	182322	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	341014	20.000	ng	0.00
76) Chrysene-d12	14.045	240	197098	20.000	ng	0.00
86) Perylene-d12	15.539	264	161533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	444789	84.455	ng	0.00
7) Phenol-d6	6.504	99	587165	84.332	ng	-0.01
23) Nitrobenzene-d5	7.428	82	372758	56.177	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	150238	77.047	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	683592	55.863	ng	-0.01
79) Terphenyl-d14	12.980	244	660526	52.183	ng	-0.01

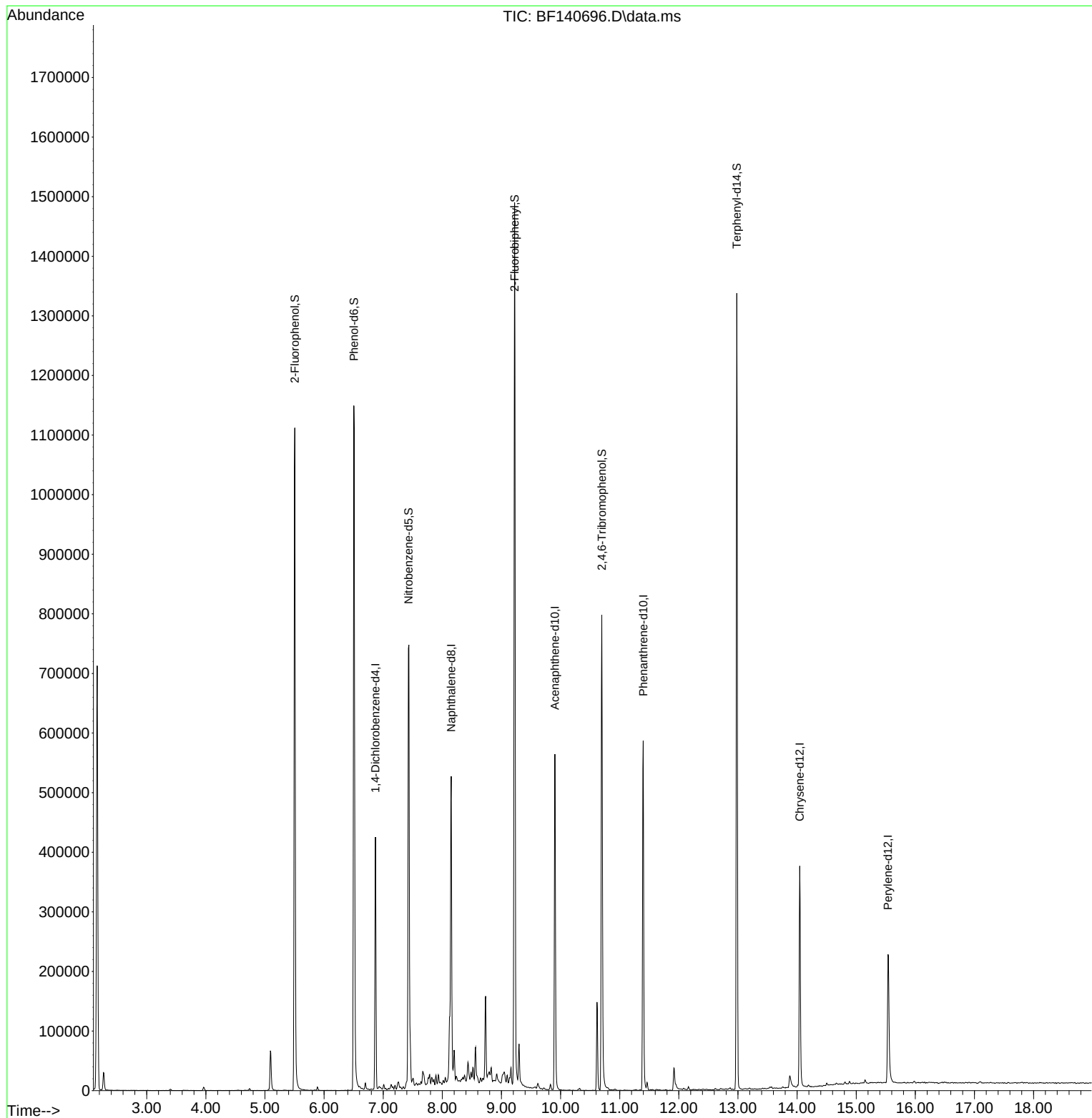
Target Compounds	Qvalue

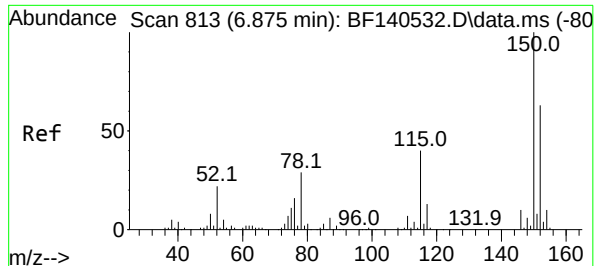
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140696.D
Acq On : 02 Dec 2024 18:31
Operator : RC/JU
Sample : P5026-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

Quant Time: Dec 03 00:04:51 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

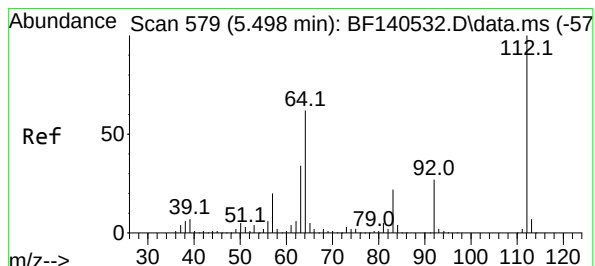
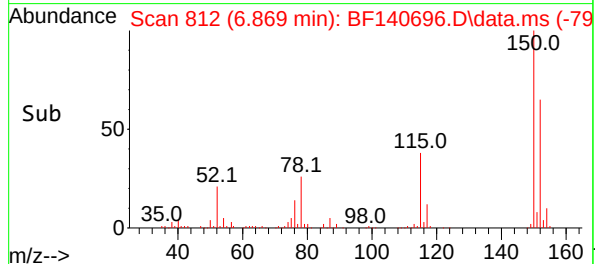
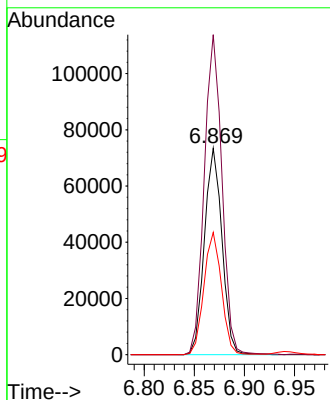
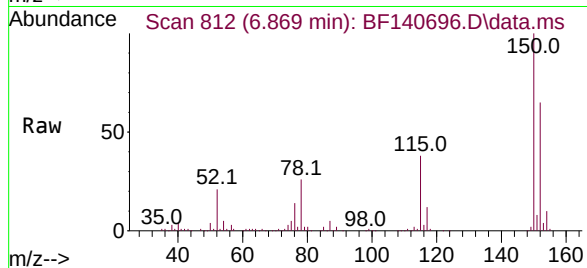




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

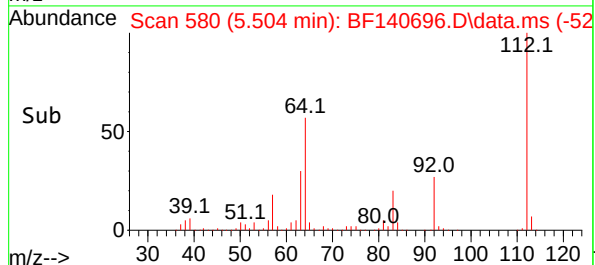
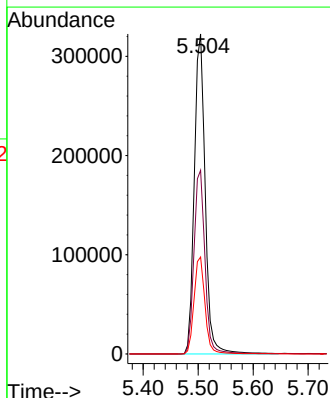
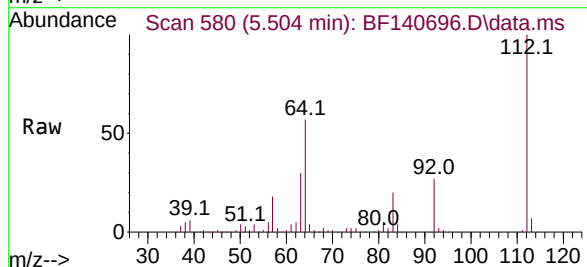
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

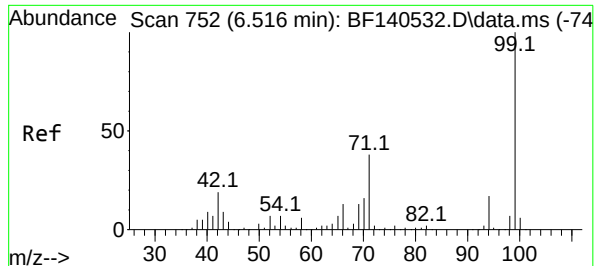
Tgt Ion:152 Resp: 89859
Ion Ratio Lower Upper
152 100
150 155.0 128.5 192.7
115 59.2 50.2 75.4



#5
2-Fluorophenol
Concen: 84.455 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

Tgt Ion:112 Resp: 444789
Ion Ratio Lower Upper
112 100
64 57.4 49.2 73.8
63 30.3 27.0 40.4

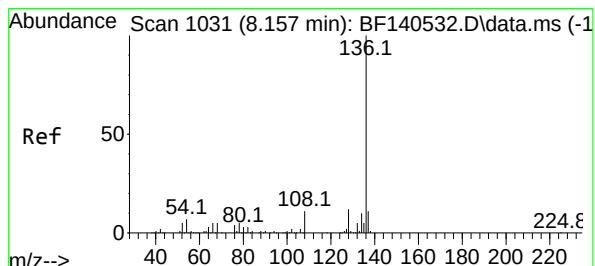
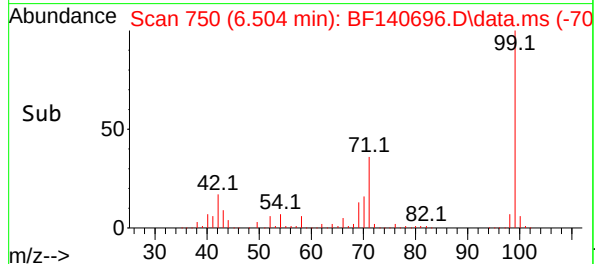
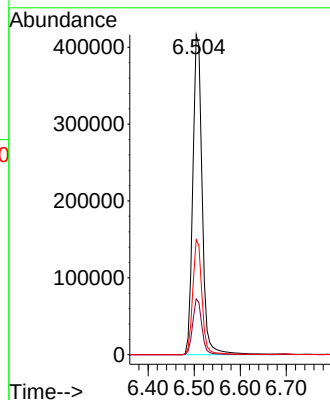
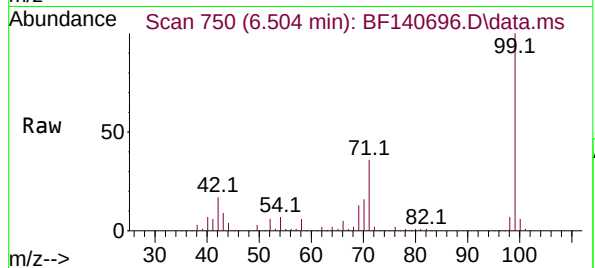




#7
Phenol-d6
Concen: 84.332 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

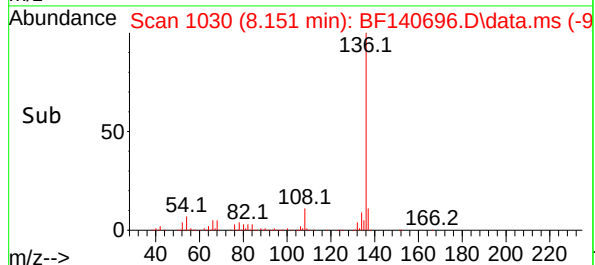
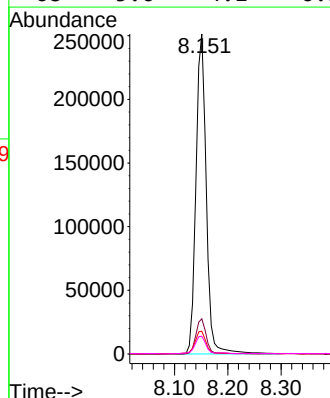
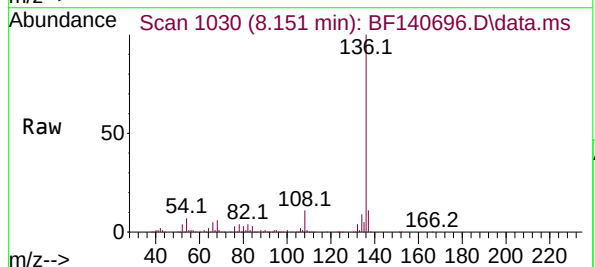
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

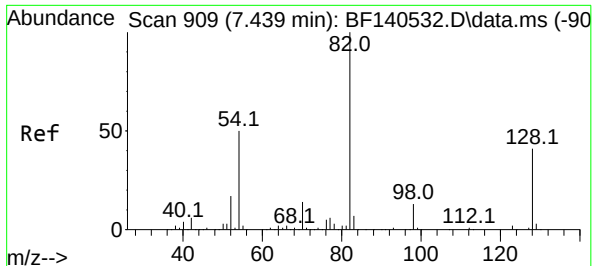
Tgt Ion: 99 Resp: 587165
Ion Ratio Lower Upper
99 100
42 17.5 15.4 23.0
71 35.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

Tgt Ion: 136 Resp: 339403
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.1 5.8 8.8
68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 56.177 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140696.D

Acq: 02 Dec 2024 18:31

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

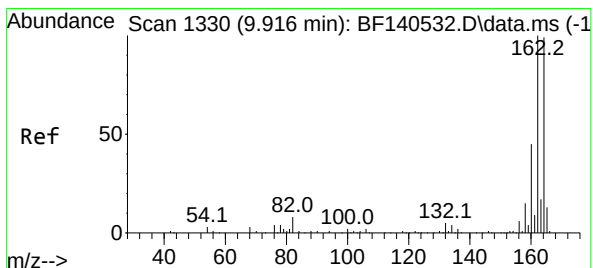
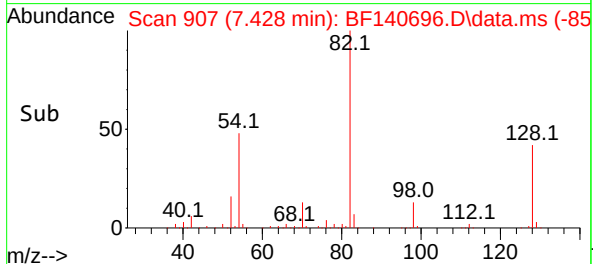
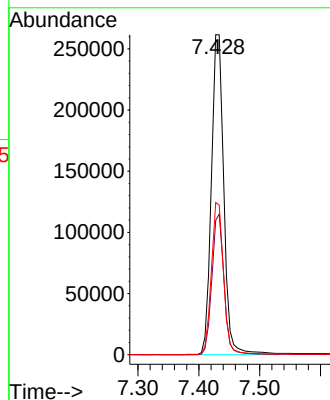
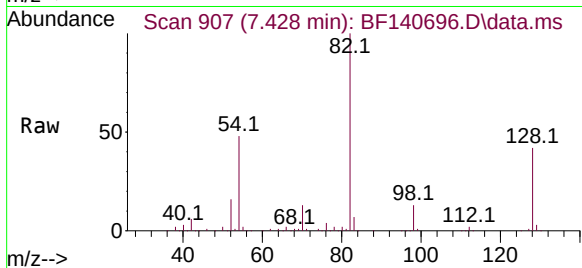
Tgt Ion: 82 Resp: 372758

Ion Ratio Lower Upper

82 100

128 42.0 33.0 49.4

54 47.5 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140696.D

Acq: 02 Dec 2024 18:31

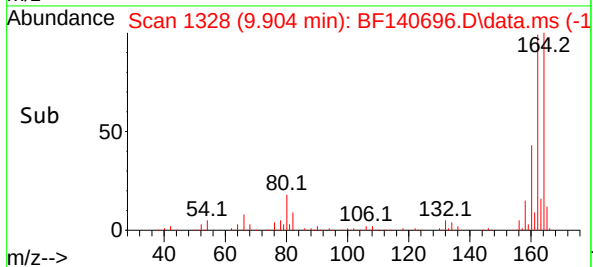
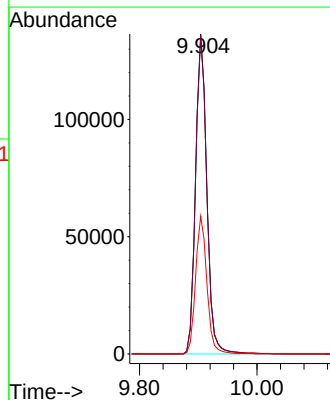
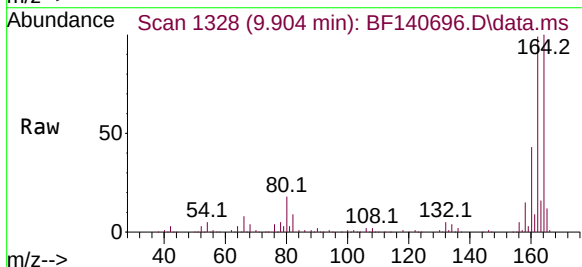
Tgt Ion:164 Resp: 182322

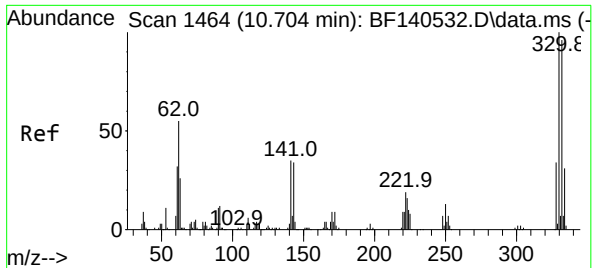
Ion Ratio Lower Upper

164 100

162 99.3 80.6 120.8

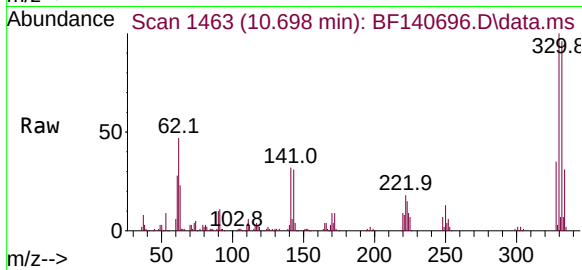
160 43.0 36.2 54.4



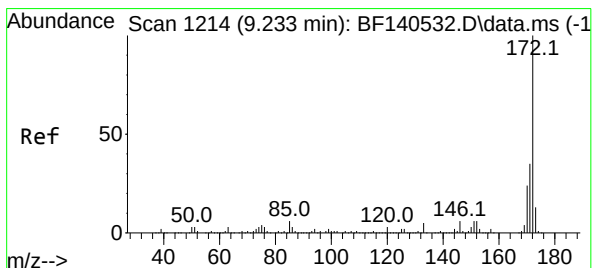
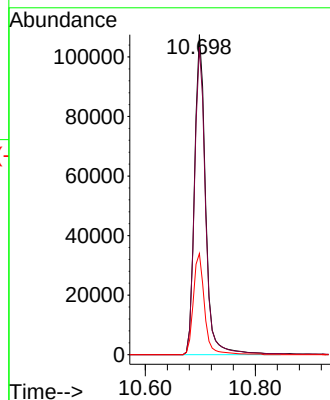
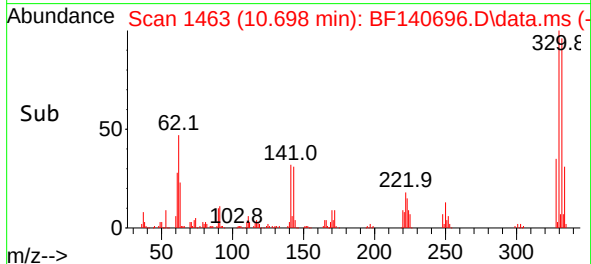


#42
2,4,6-Tribromophenol
Concen: 77.047 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

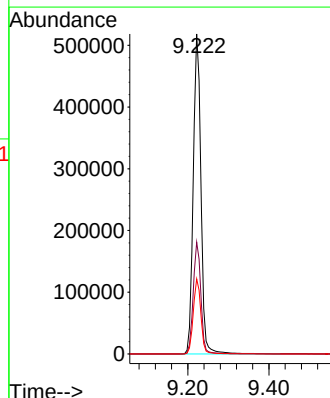
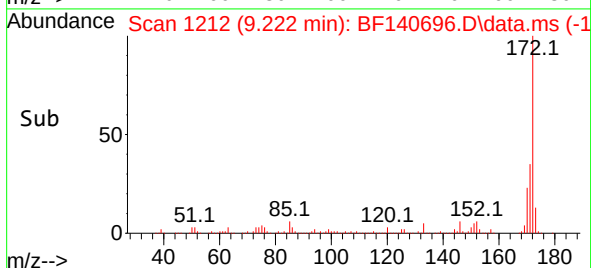
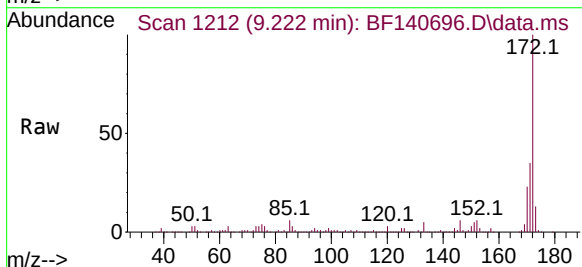


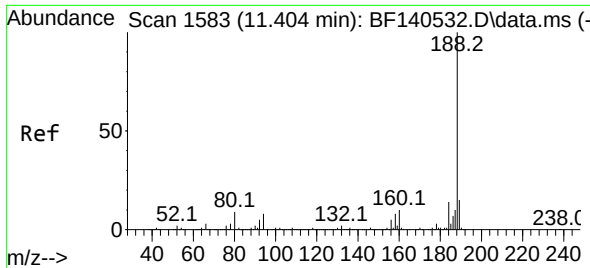
Tgt Ion:330 Resp: 150238
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 31.8 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 55.863 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

Tgt Ion:172 Resp: 683592
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.4 19.0 28.6

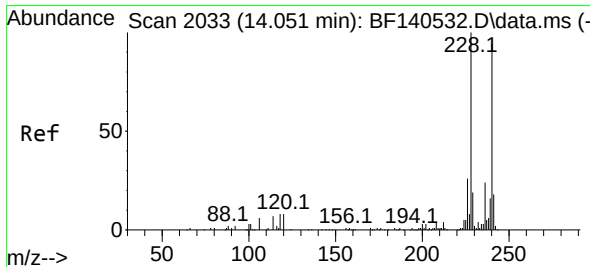
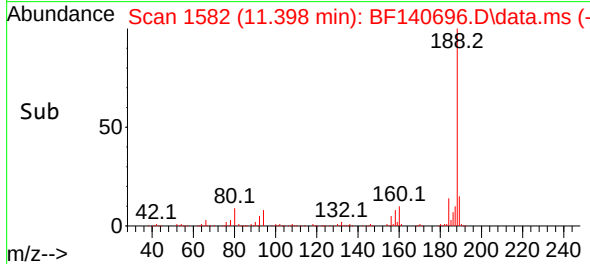
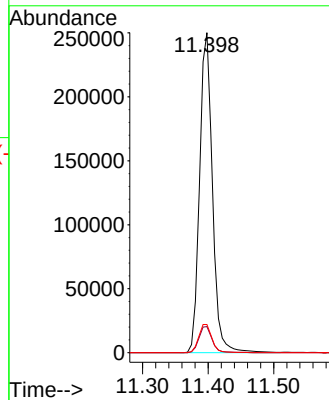
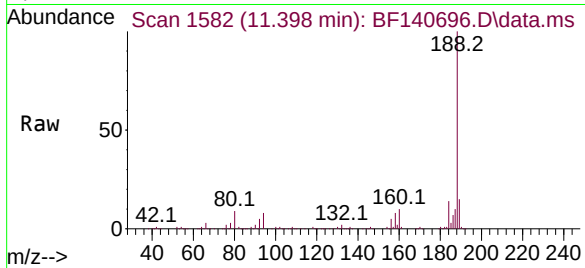




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

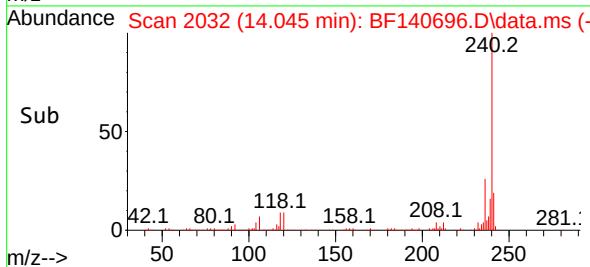
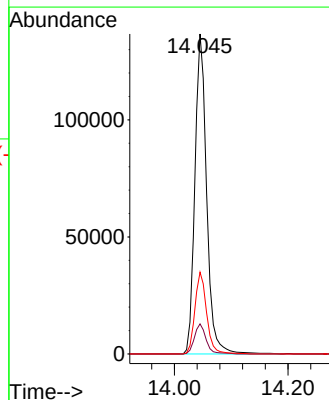
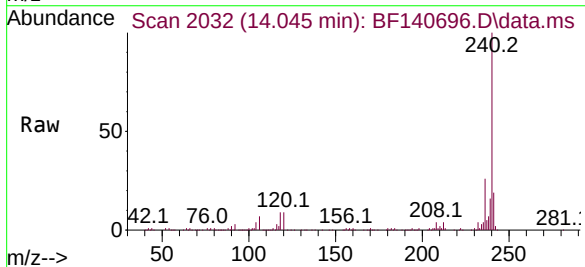
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

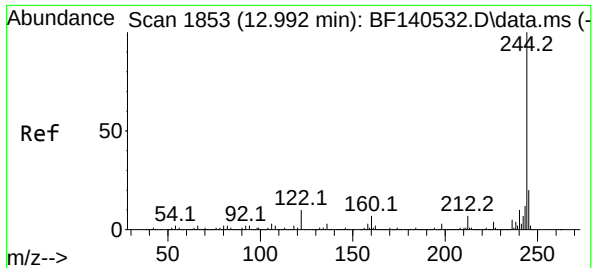
Tgt Ion:188 Resp: 341014
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.8 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140696.D
Acq: 02 Dec 2024 18:31

Tgt Ion:240 Resp: 197098
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 25.6 20.6 31.0





#79

Terphenyl-d14

Concen: 52.183 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140696.D

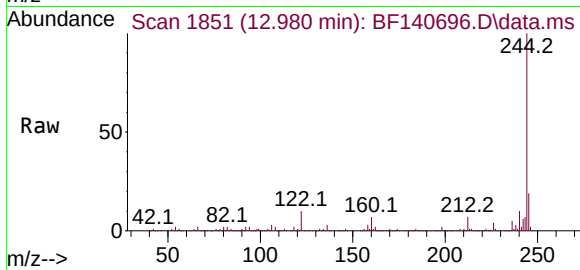
Acq: 02 Dec 2024 18:31

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM



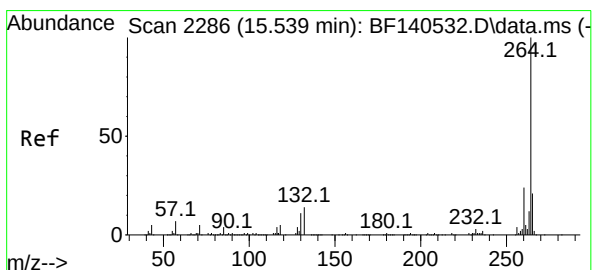
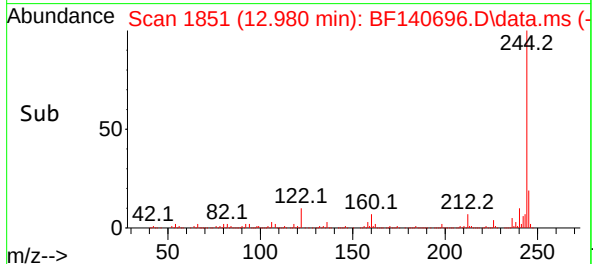
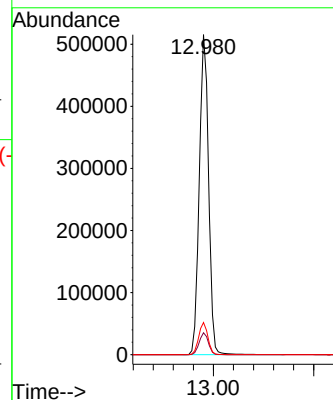
Tgt Ion:244 Resp: 660526

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.1 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF140696.D

Acq: 02 Dec 2024 18:31

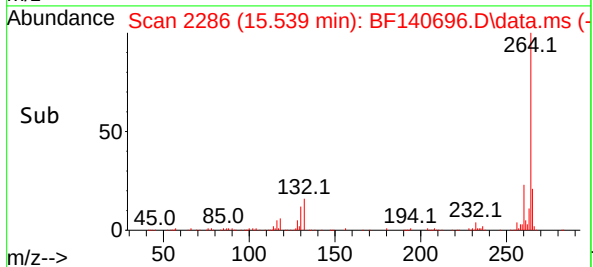
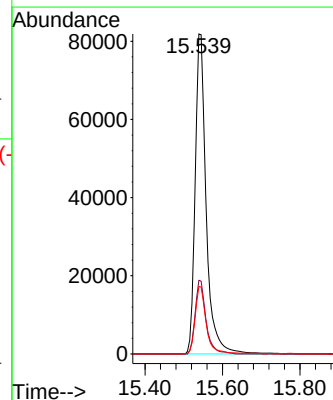
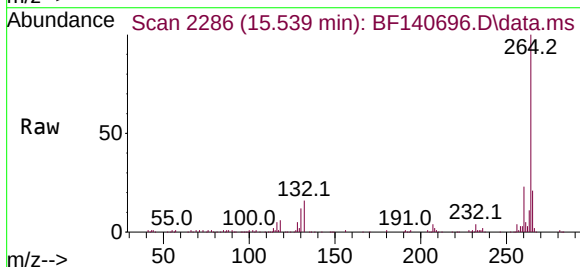
Tgt Ion:264 Resp: 161533

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 21.1 16.6 25.0





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02
 Lab Code: CHEM Case No.: P5026 SAS No.: P5026 SDG No.: P5026
 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

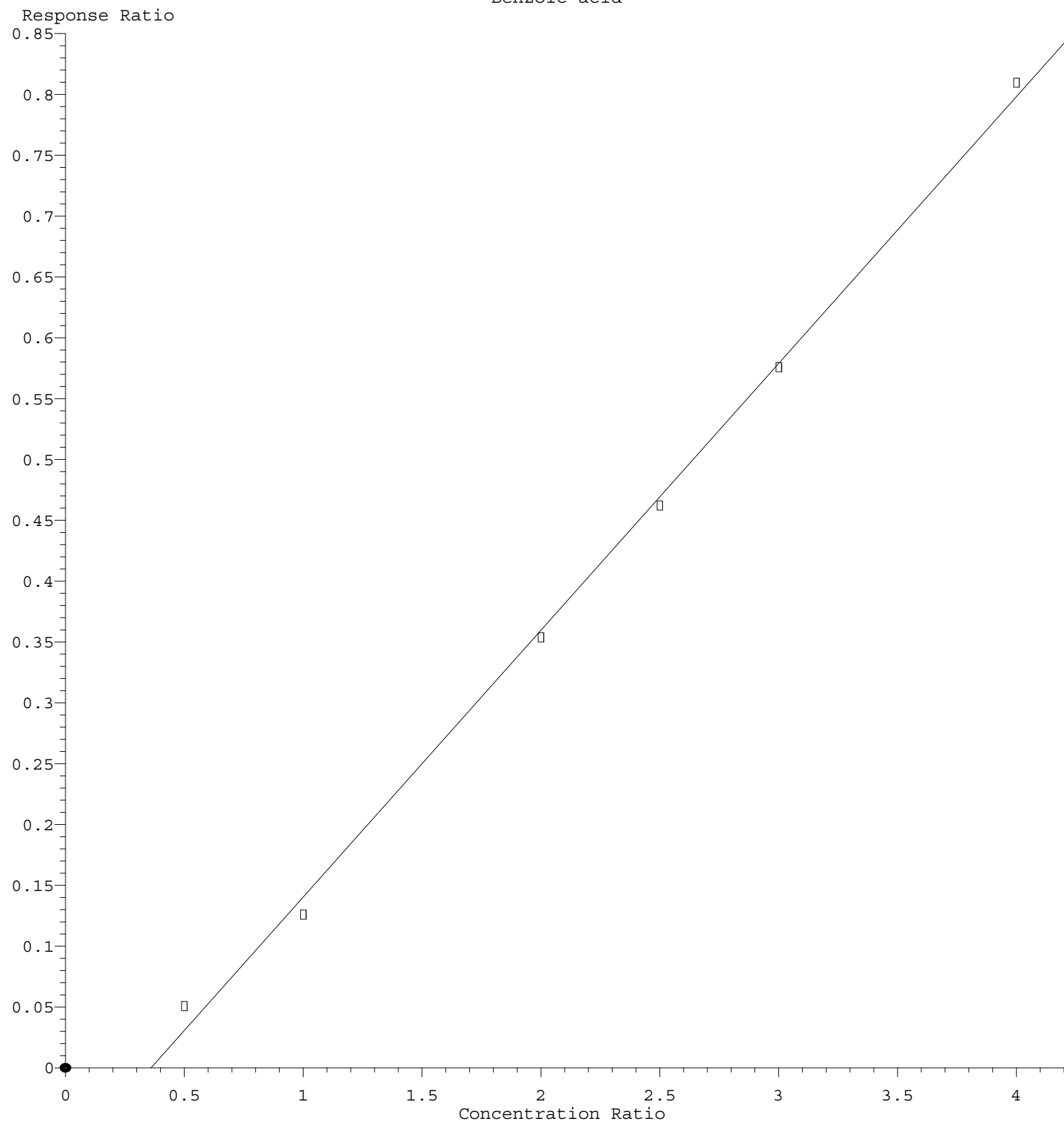
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02	
41) P	Hexachlorocycl...	0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80		
42) S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52	
43) C	2,4,6-Trichlor...	0.384	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)	Butylbenzylpht...	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

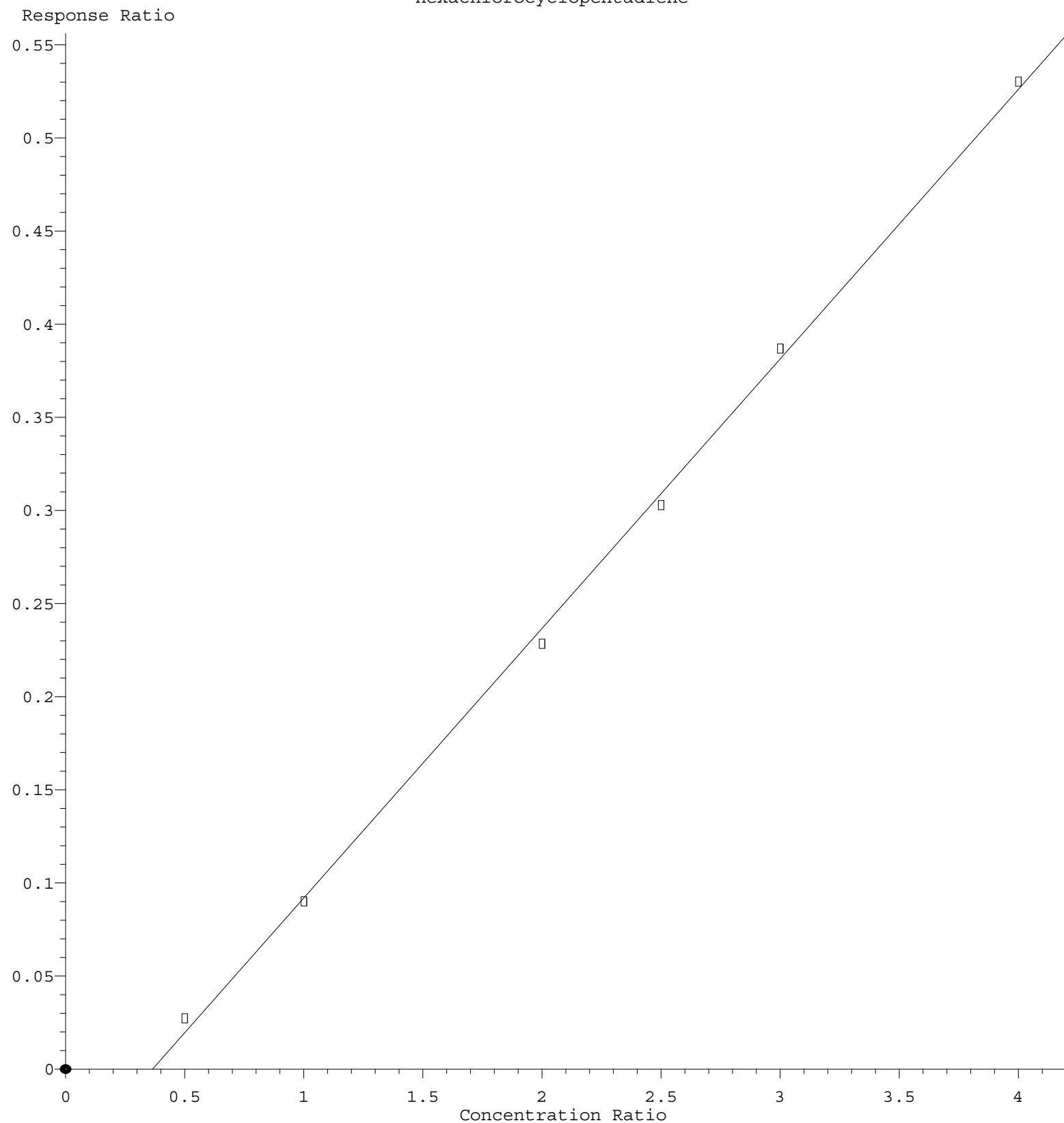
(#) = Out of Range

Benzoic acid



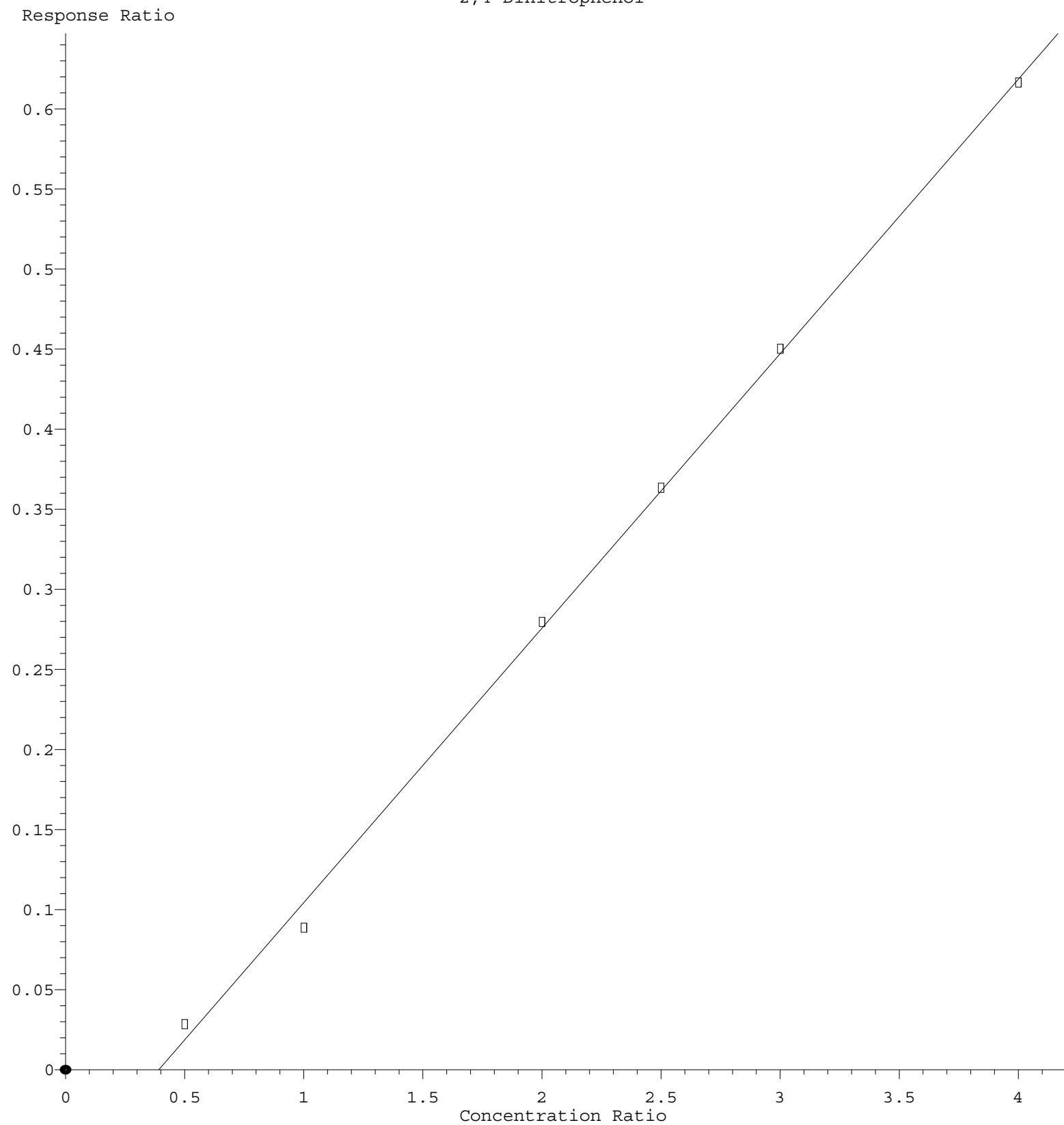
$\text{Response} = 2.193\text{e-}001 * \text{Amt} - 7.887\text{e-}002$
 Coef of Det (r^2) = 0.997922 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
 Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

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)

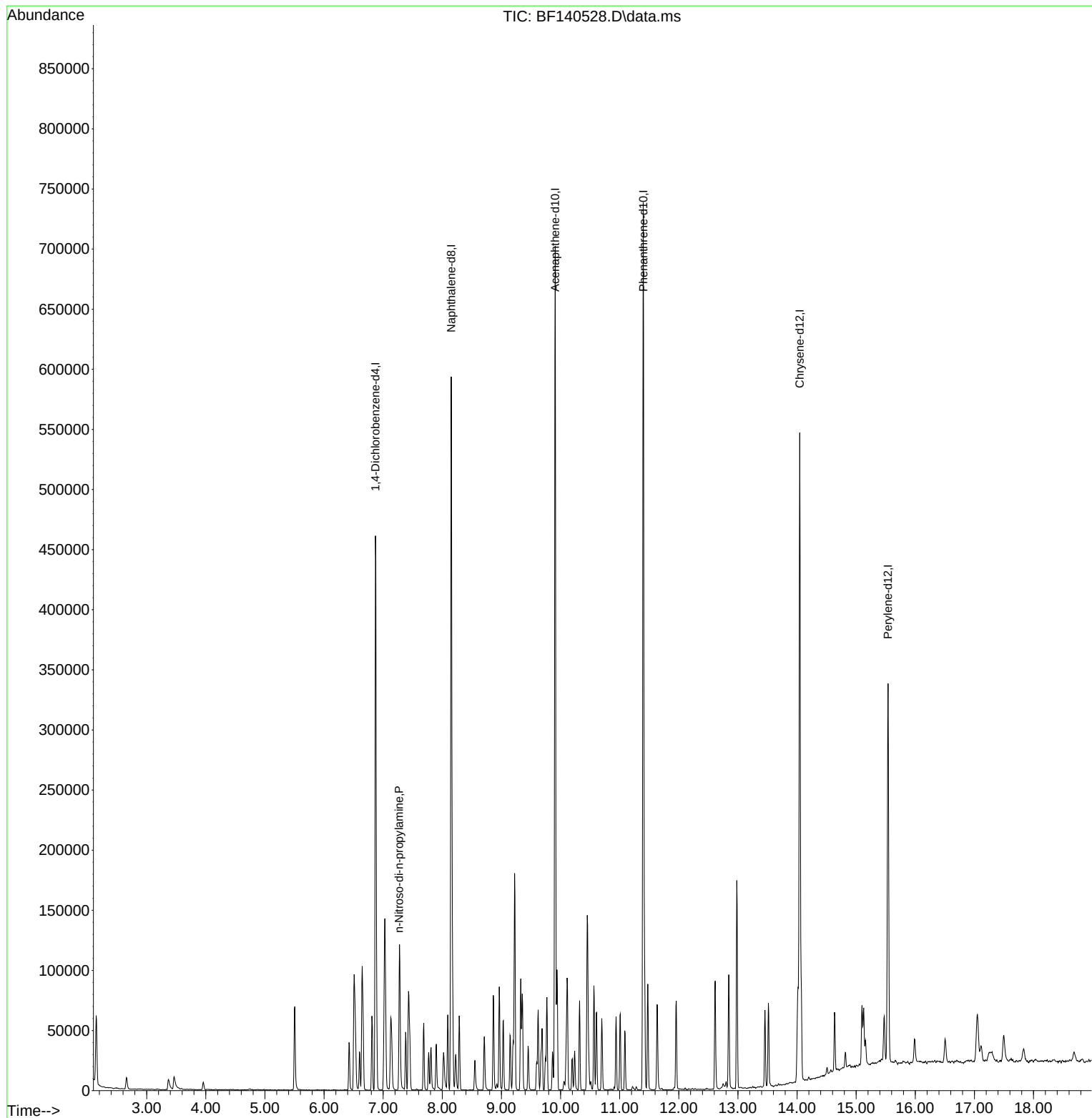
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	98970	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	372671	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	211504	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	393771	20.000	ng	0.00
76) Chrysene-d12	14.045	240	232997	20.000	ng	0.00
86) Perylene-d12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

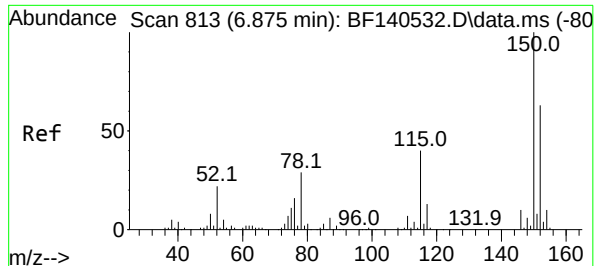
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

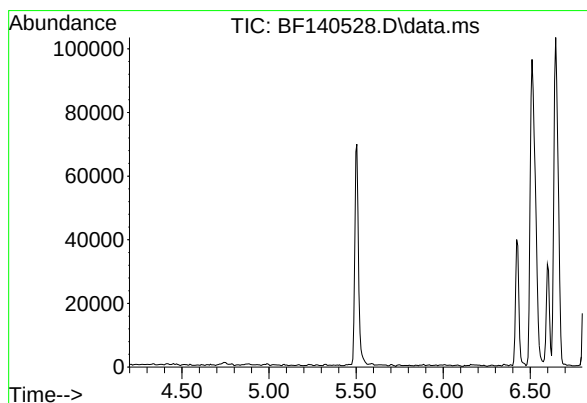
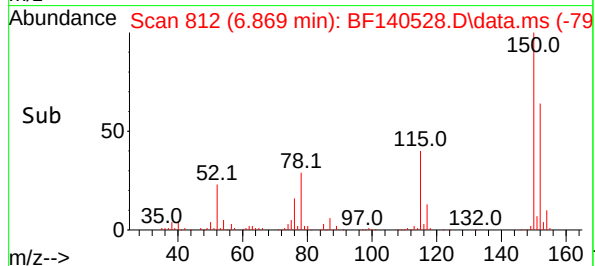
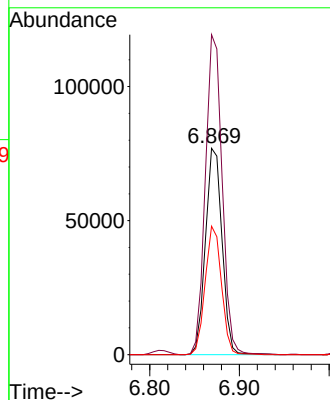
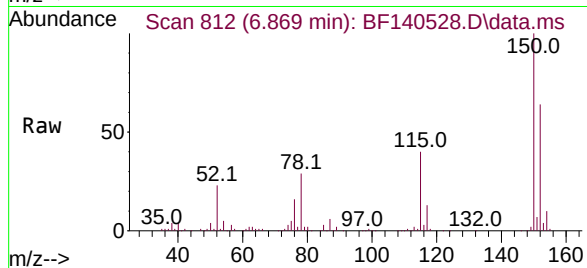
Tgt Ion:152 Resp: 98970

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

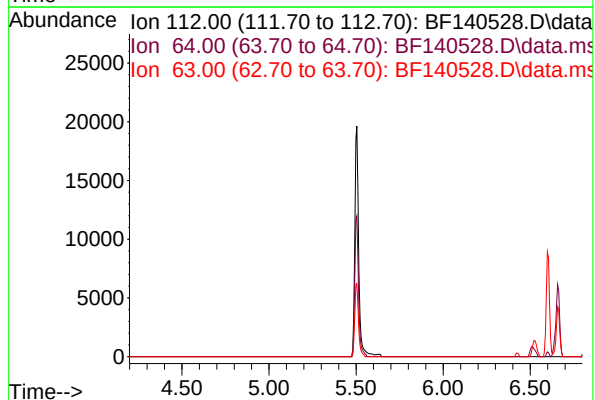
Tgt Ion: 112

Sig Exp Ratio

112 100

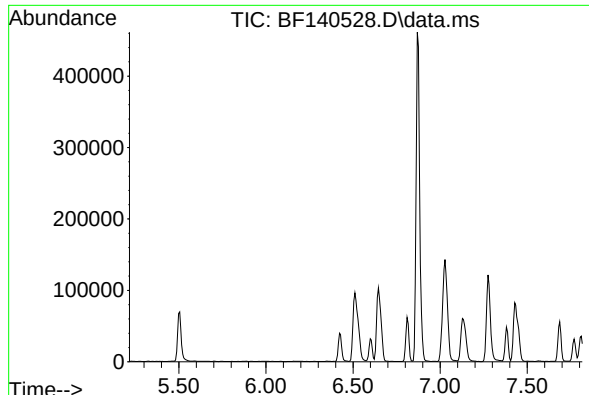
64 61.5

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

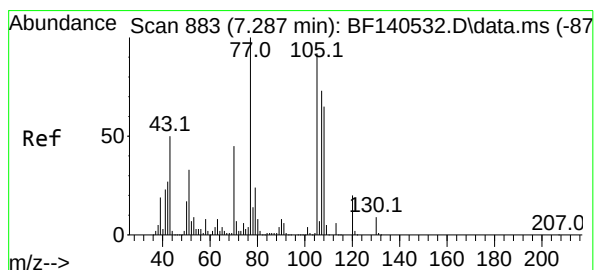
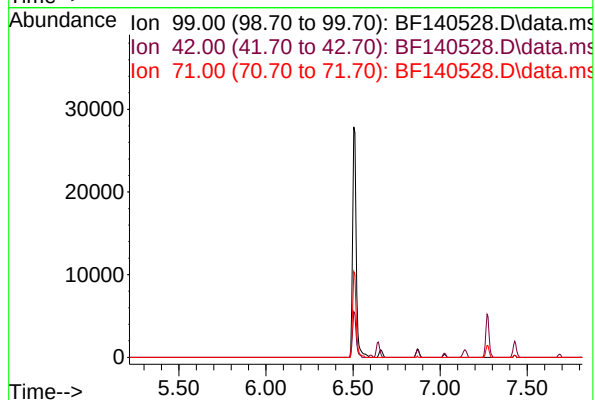
Tgt Ion: 99

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

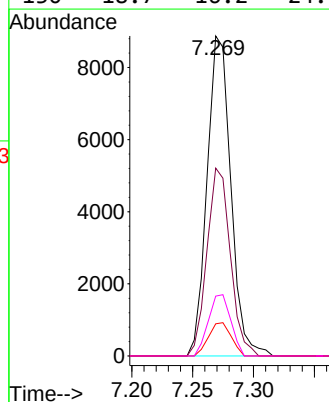
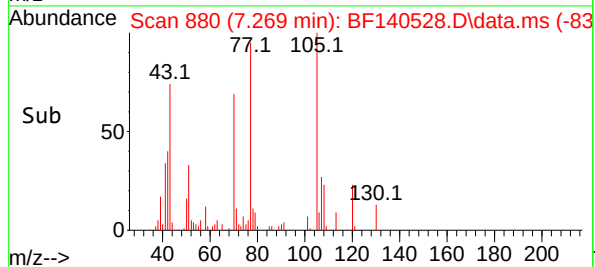
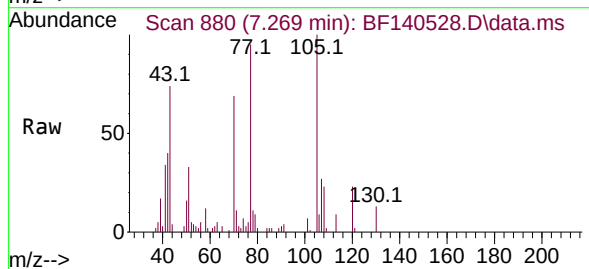
Ion Ratio Lower Upper

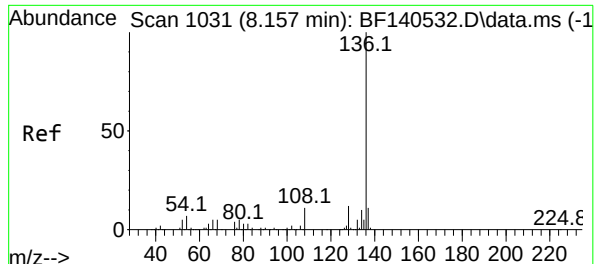
70 100

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

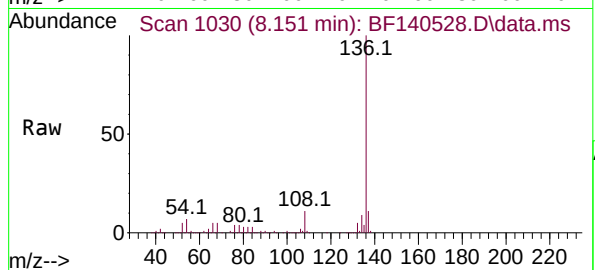
Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

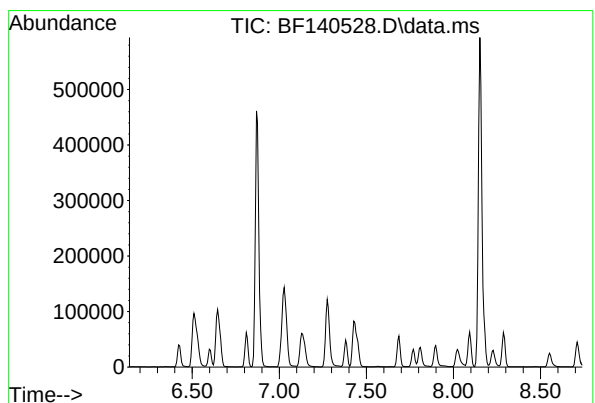
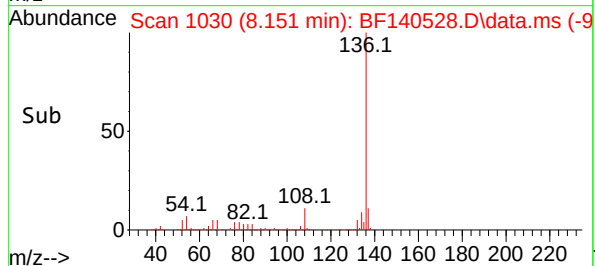
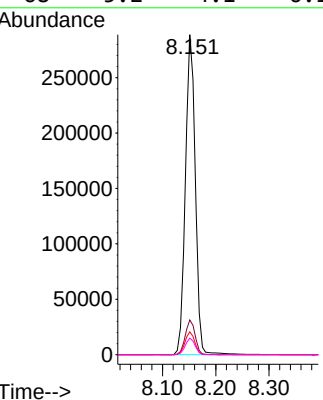
ClientSampleId :

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

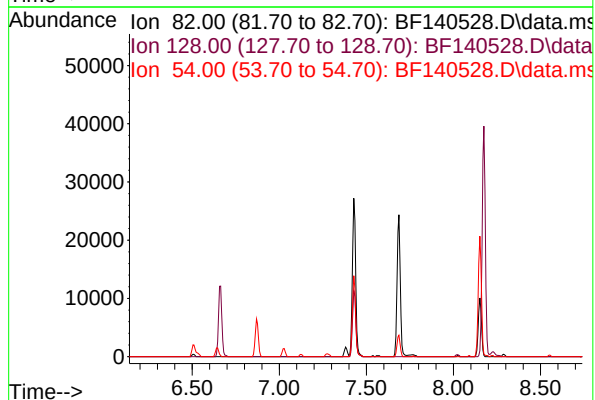
Expected RT: 7.44 min

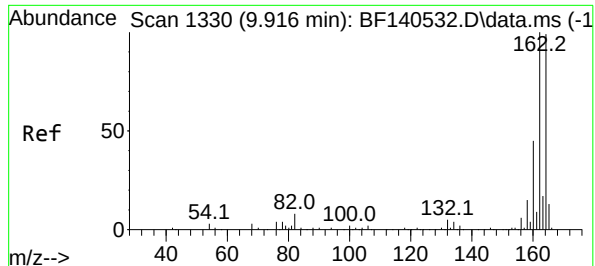
Lab File: BF140528.D

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

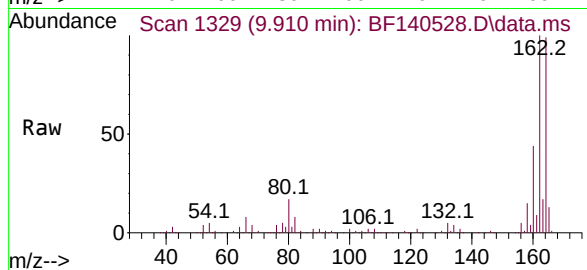
Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



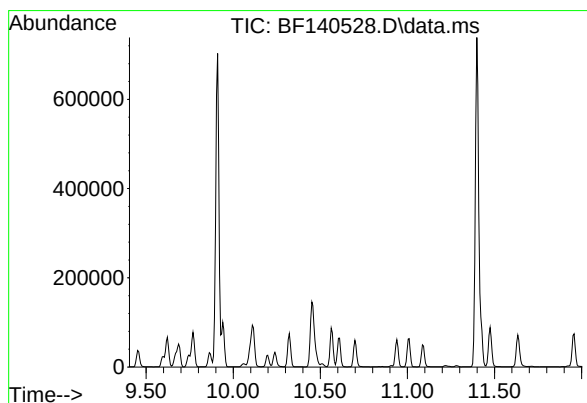
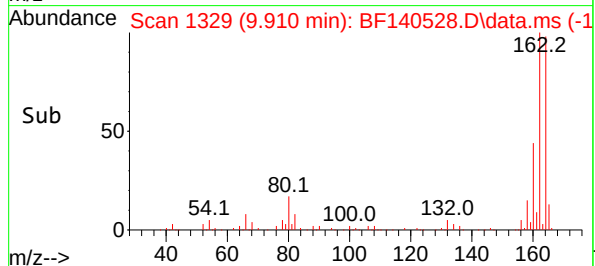
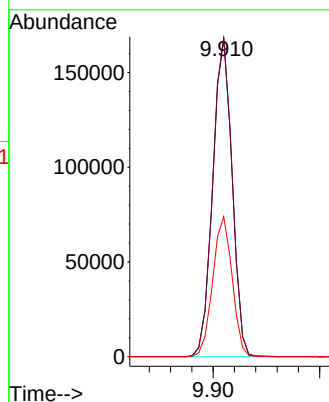
Tgt Ion:164 Resp: 211504

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

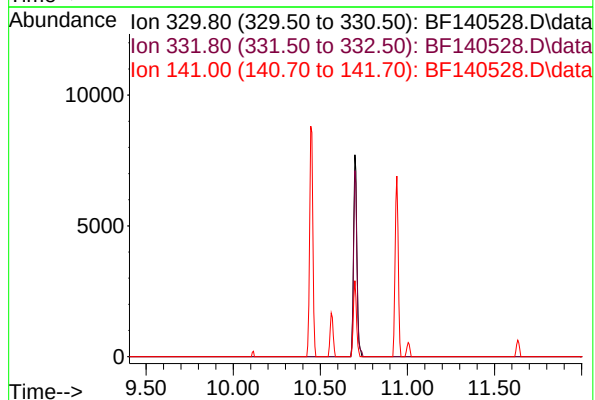
Tgt Ion: 330

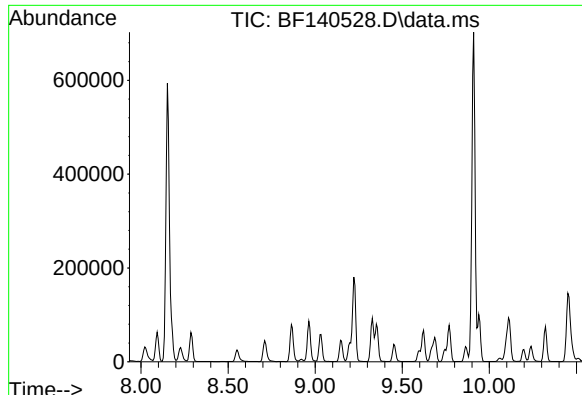
Sig	Exp Ratio

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

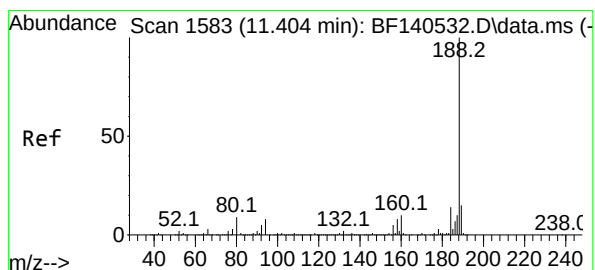
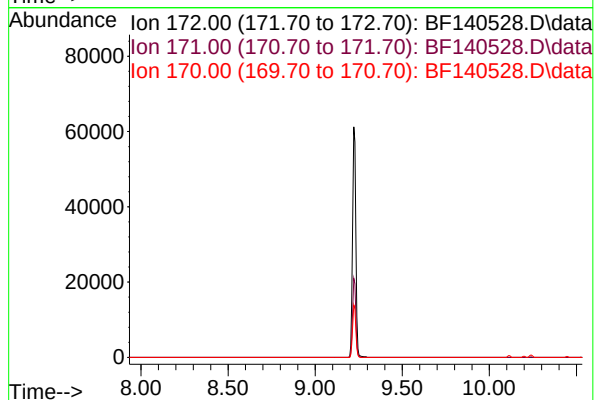
Tgt Ion: 172

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

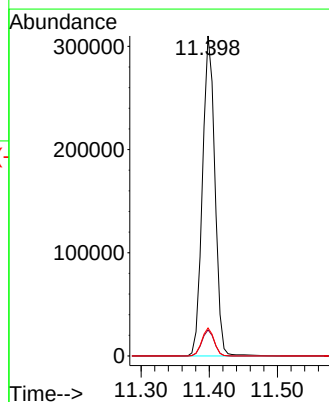
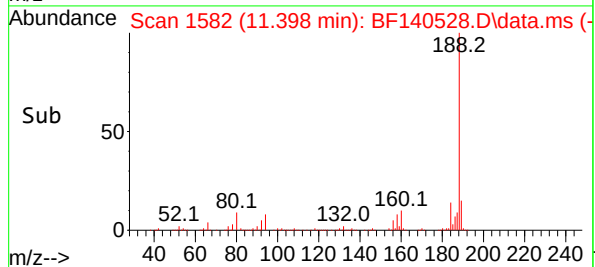
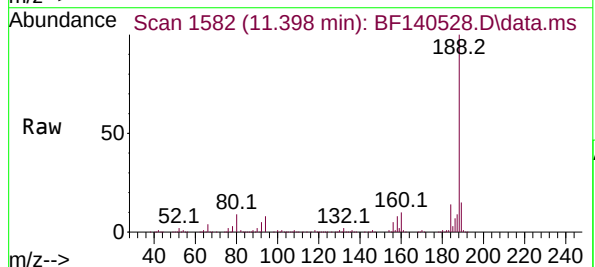
Tgt Ion:188 Resp: 393771

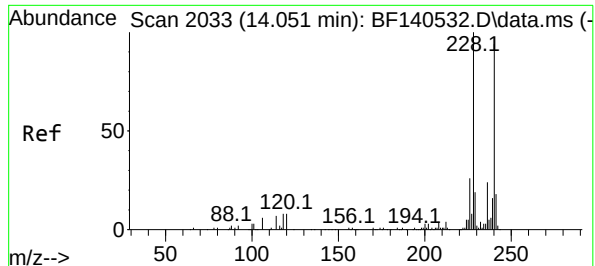
Ion Ratio Lower Upper

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

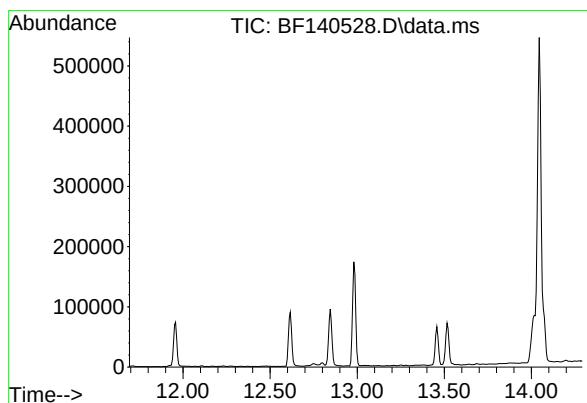
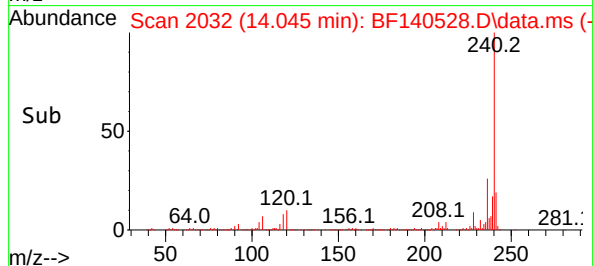
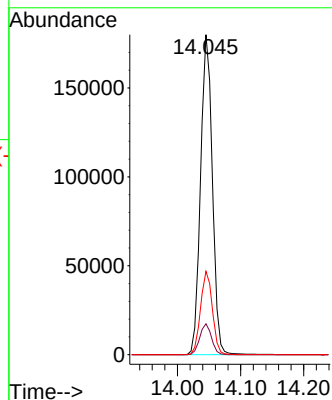
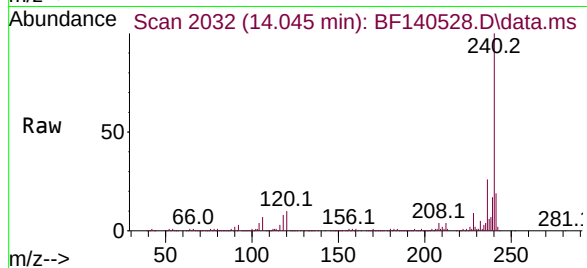
Tgt Ion:240 Resp: 232997

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

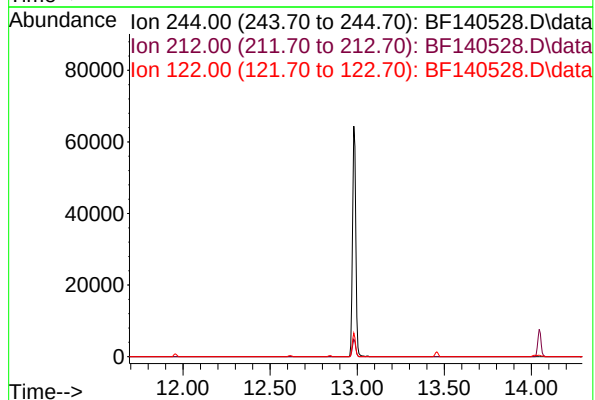
Tgt Ion: 244

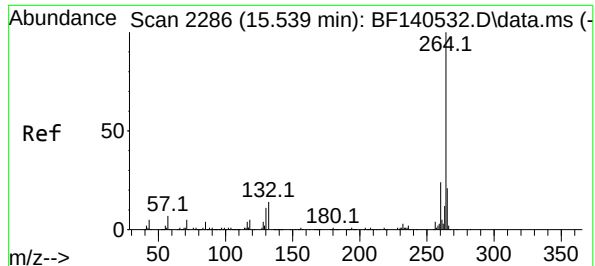
Sig Exp Ratio

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

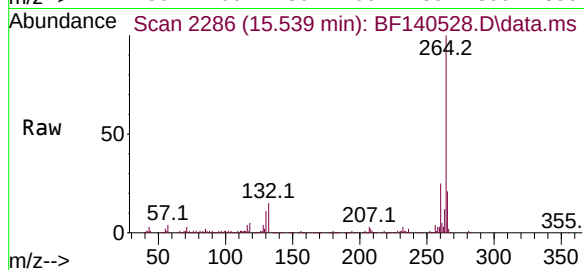
Acq: 21 Nov 2024 11:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



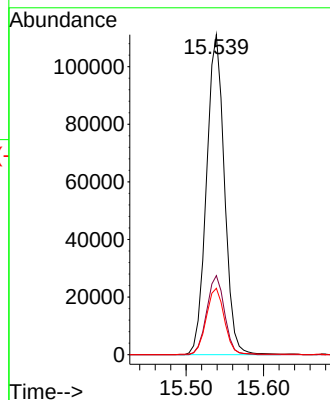
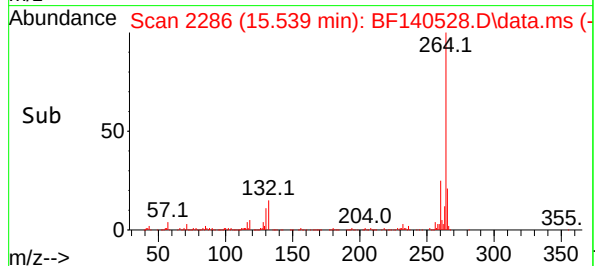
Tgt Ion:264 Resp: 178104

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

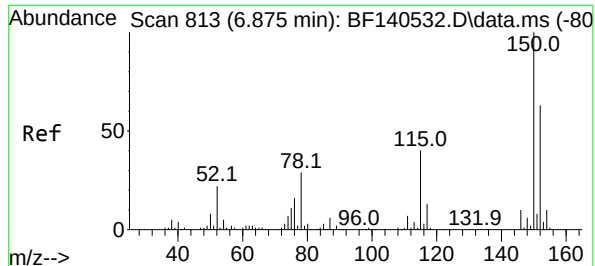
Quant Time: Nov 21 15:09:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

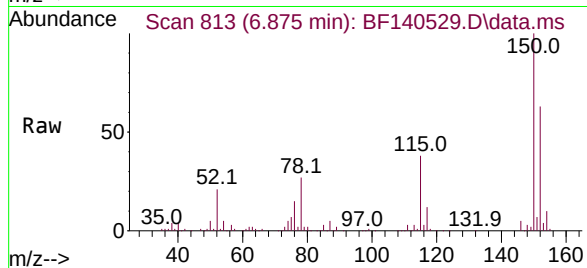
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

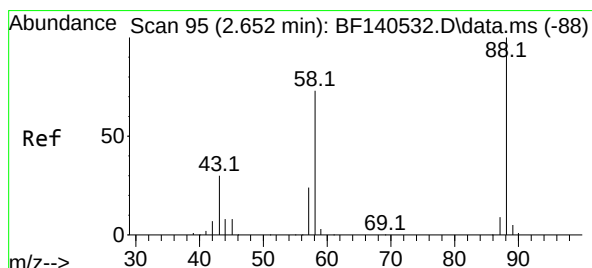
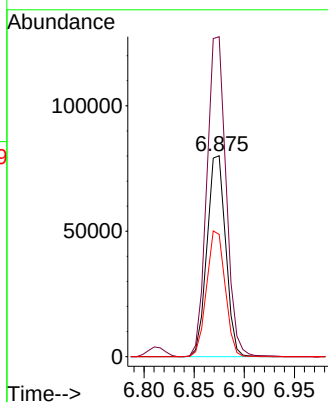
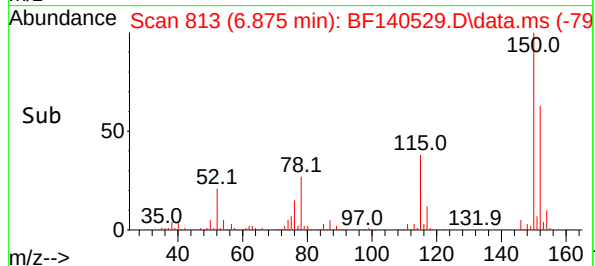


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

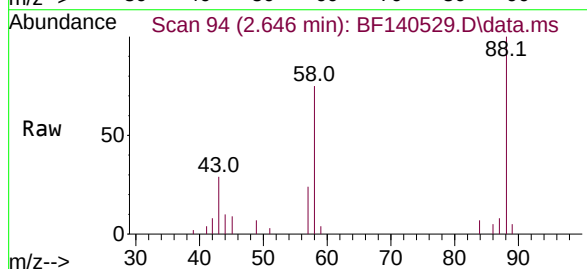
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



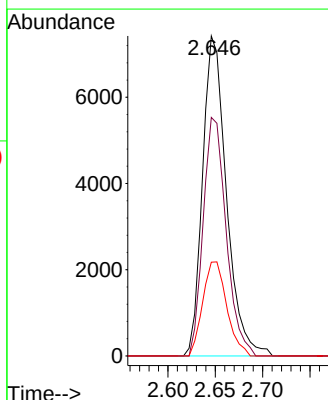
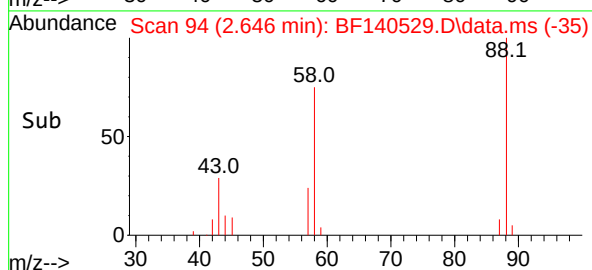
Tgt Ion:152 Resp: 104134
Ion Ratio Lower Upper
152 100
150 159.2 128.5 192.7
115 60.8 50.2 75.4

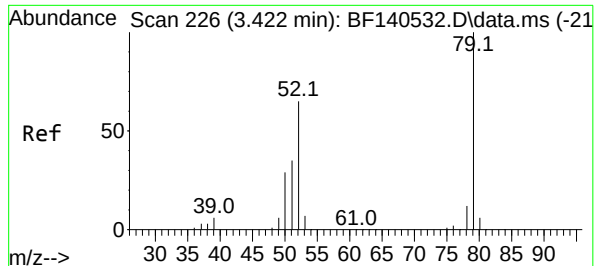


#2
1,4-Dioxane
Concen: 5.079 ng
RT: 2.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39



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

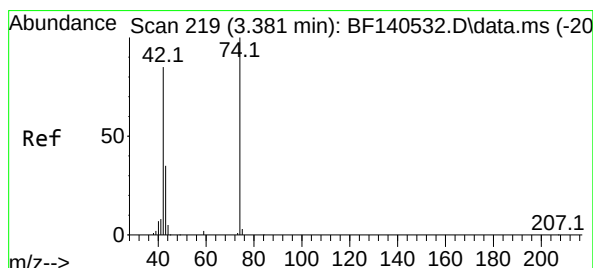
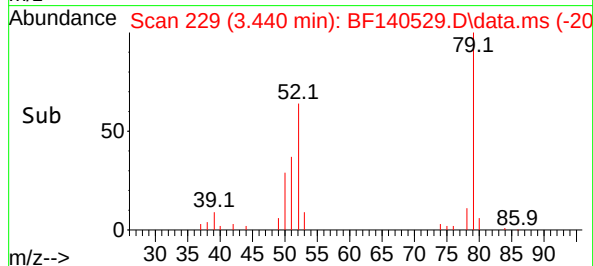
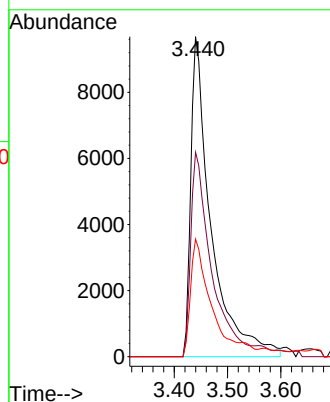
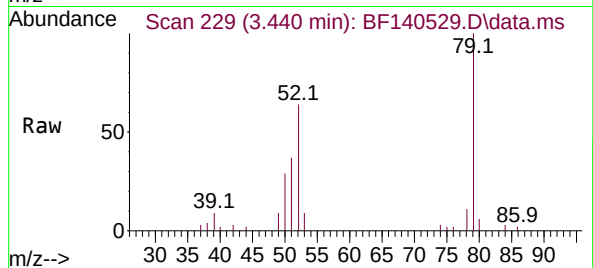
Tgt Ion: 79 Resp: 25544

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

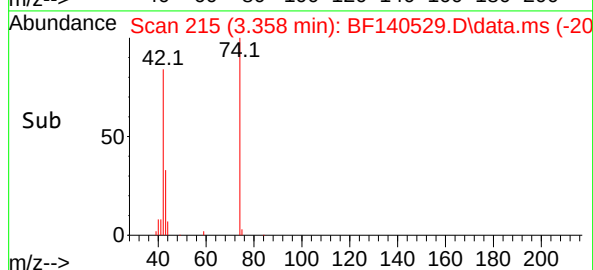
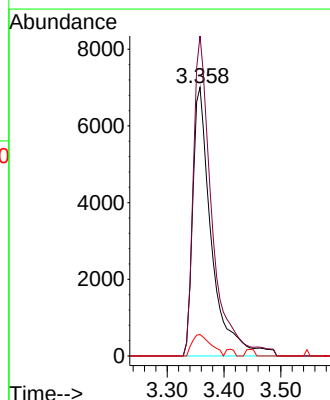
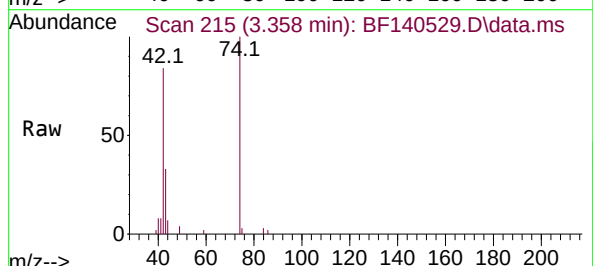
Tgt Ion: 42 Resp: 16043

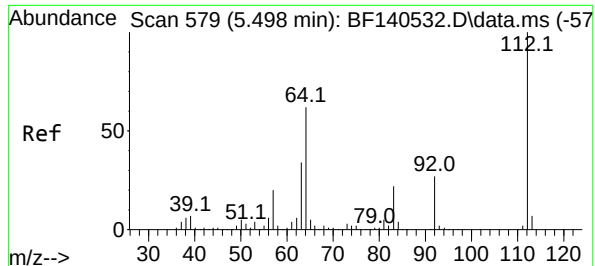
Ion Ratio Lower Upper

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

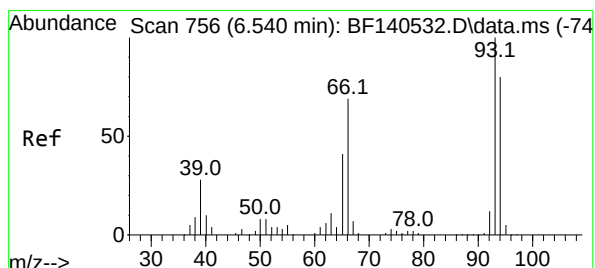
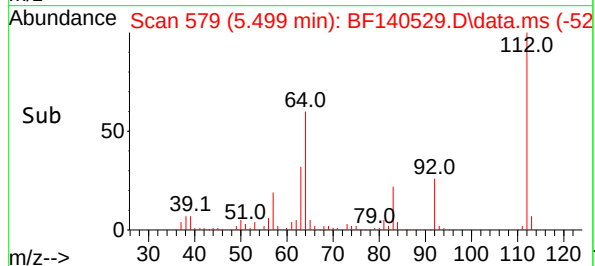
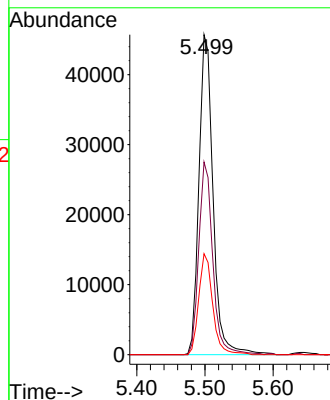
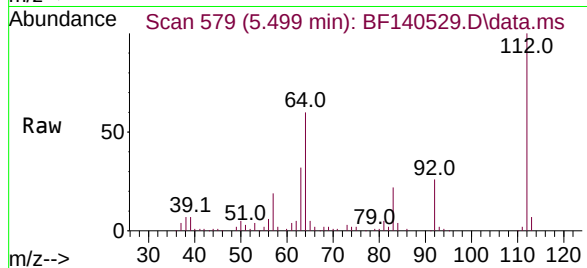
Tgt Ion:112 Resp: 65659

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

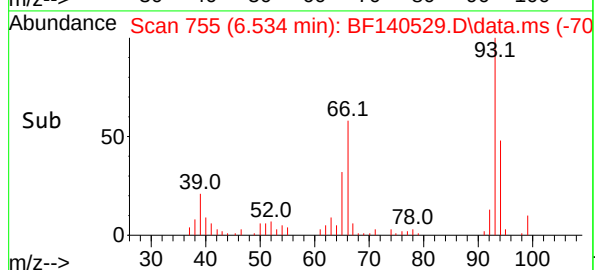
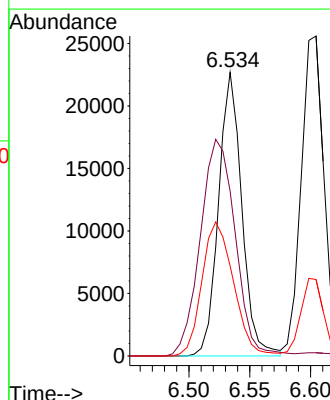
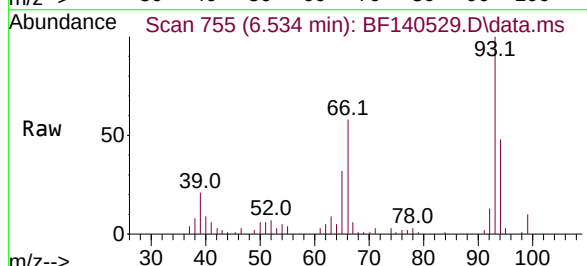
Tgt Ion: 93 Resp: 30162

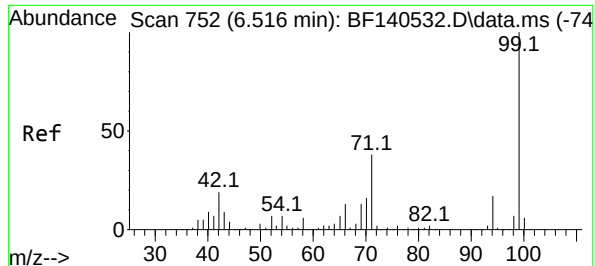
Ion Ratio Lower Upper

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

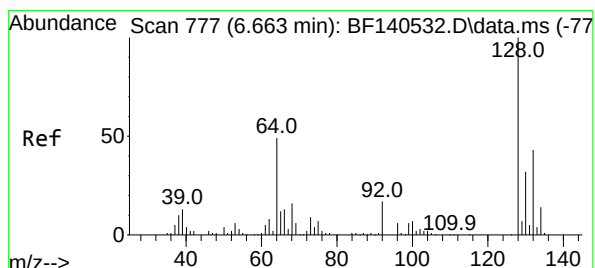
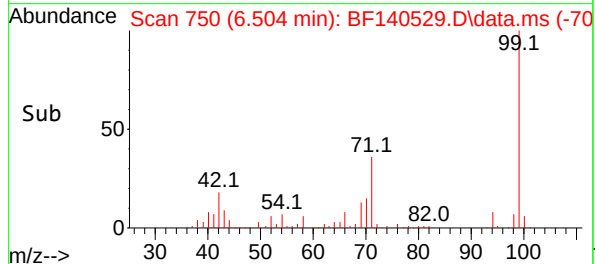
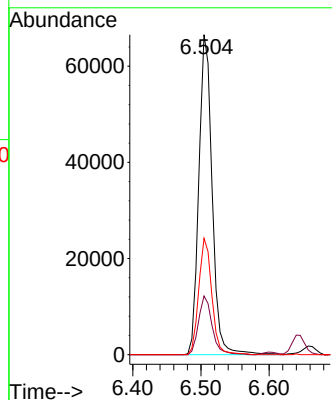
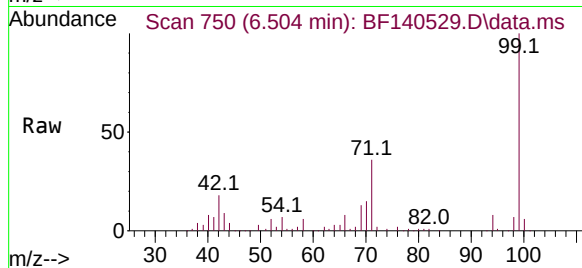
Tgt Ion: 99 Resp: 90026

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

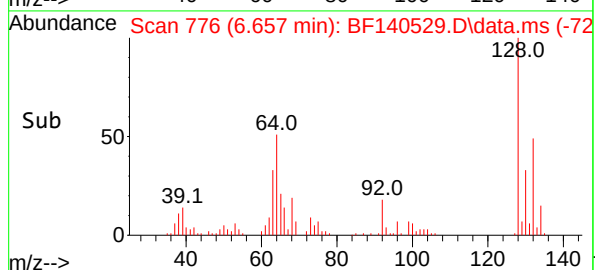
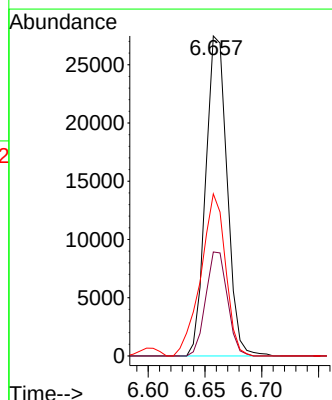
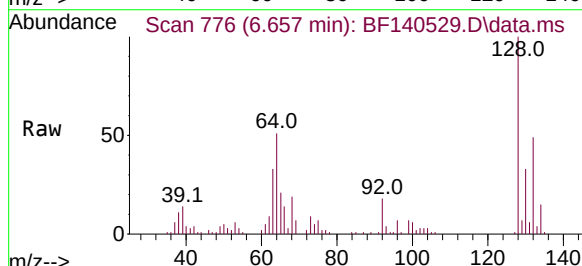
Tgt Ion:128 Resp: 36046

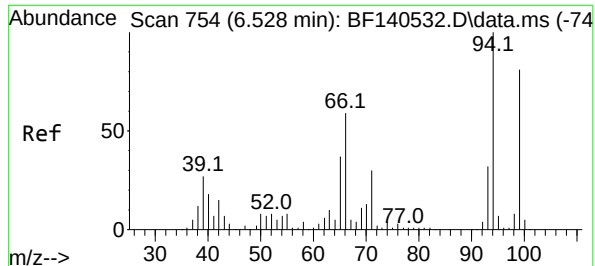
Ion Ratio Lower Upper

128 100

130 32.5 12.3 52.3

64 50.7 30.2 70.2

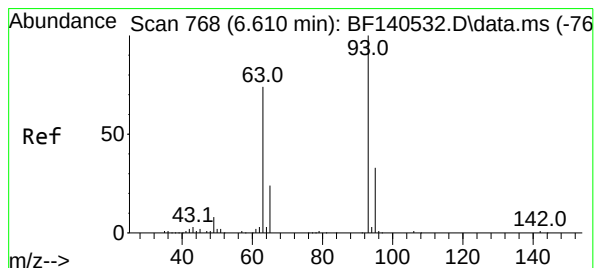
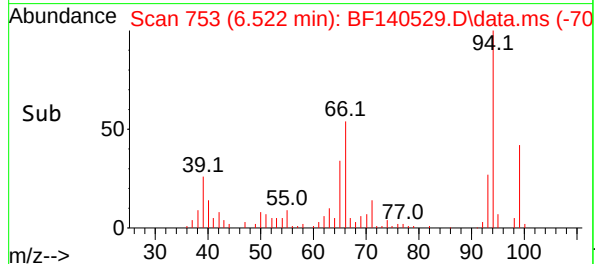
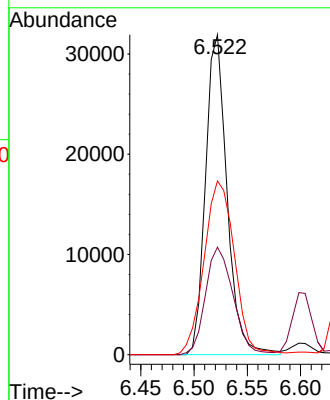
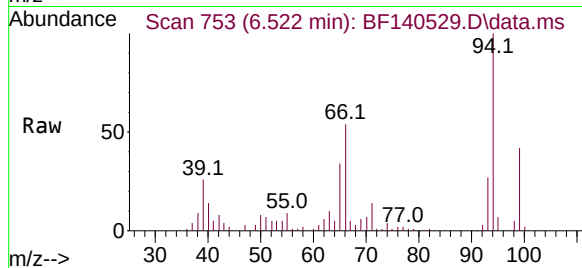




#10
Phenol
Concen: 5.443 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

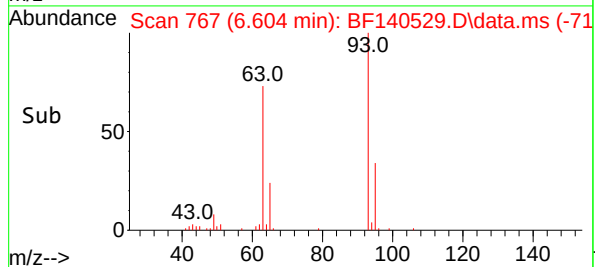
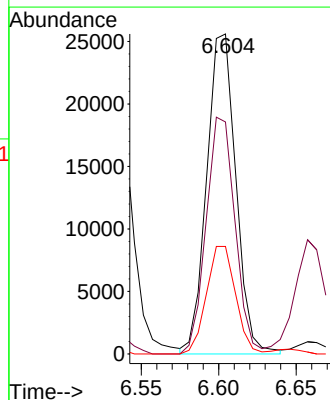
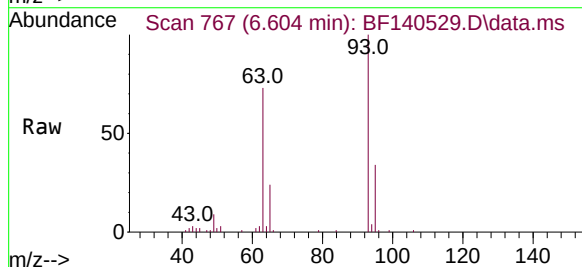
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

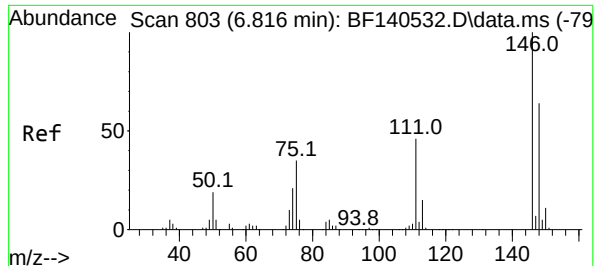
Tgt Ion: 94 Resp: 44852
Ion Ratio Lower Upper
94 100
65 33.6 17.2 57.2
66 54.3 39.2 79.2



#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 :

SSTDIC005

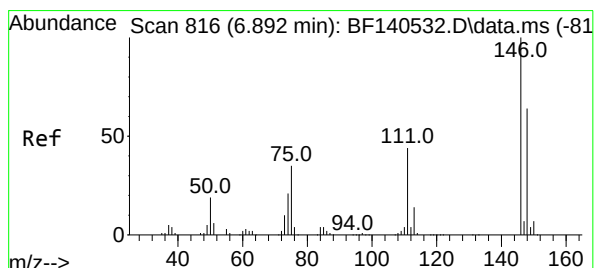
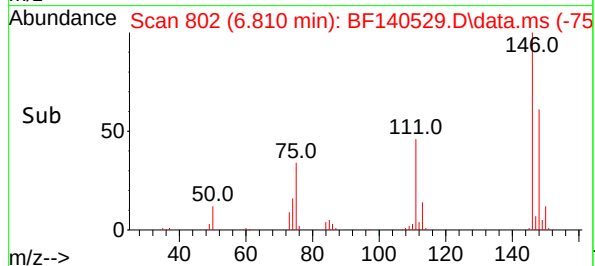
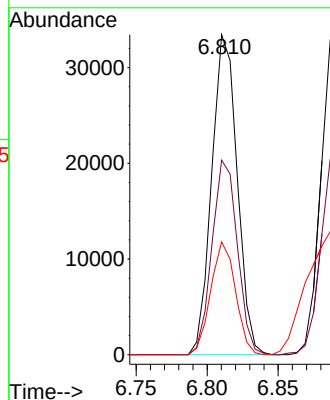
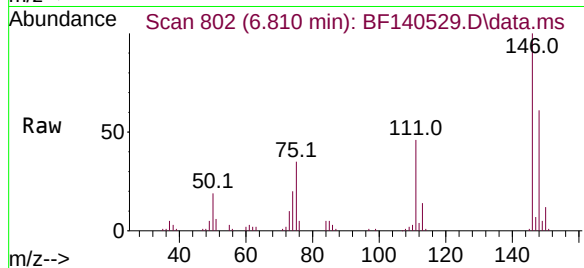
Tgt Ion:146 Resp: 41643

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

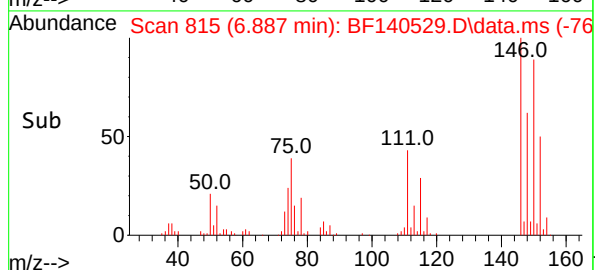
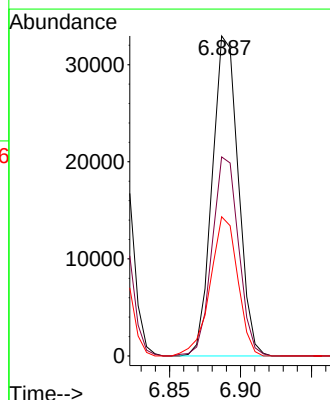
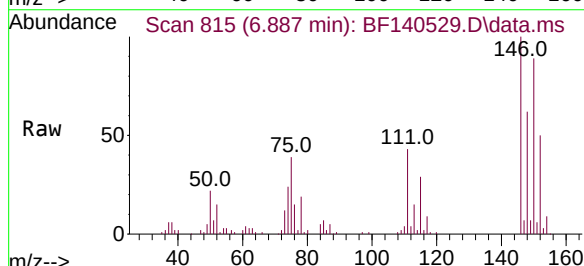
Tgt Ion:146 Resp: 42002

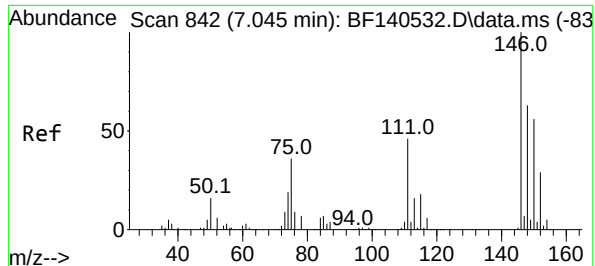
Ion Ratio Lower Upper

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

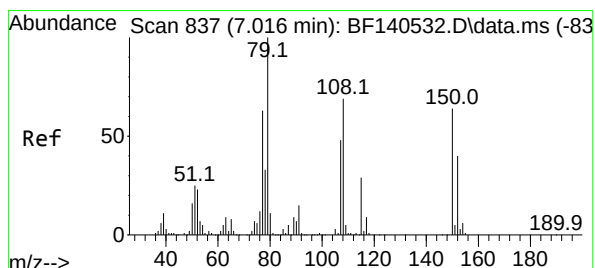
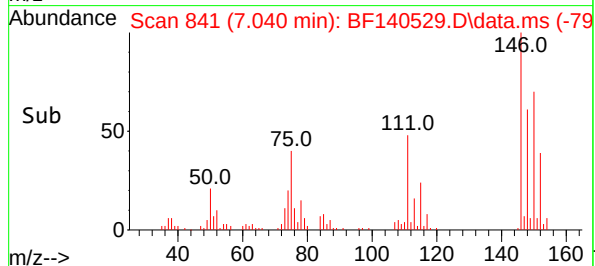
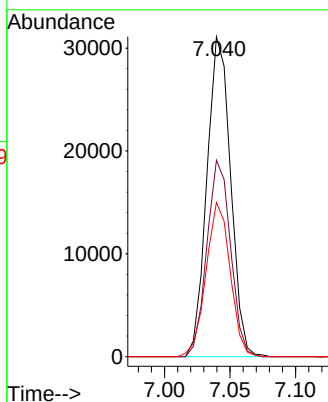
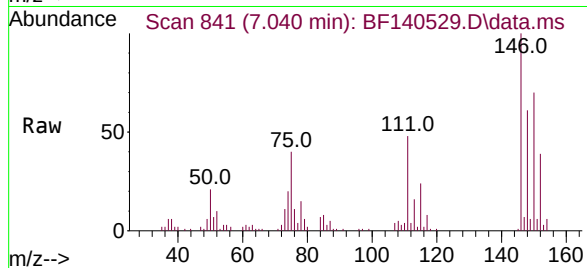
Tgt Ion:146 Resp: 39138

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

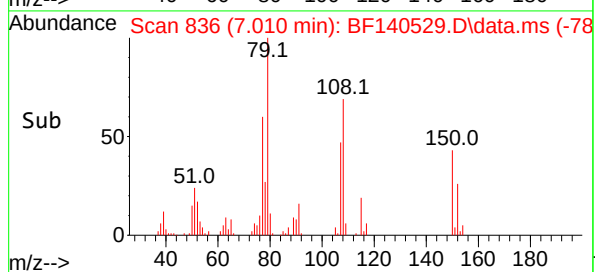
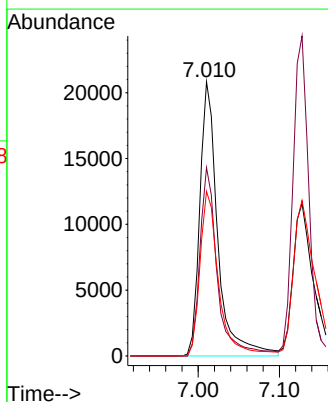
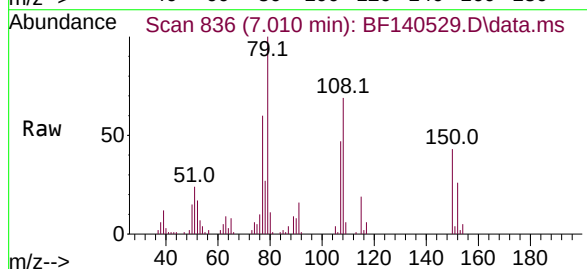
Tgt Ion: 79 Resp: 32114

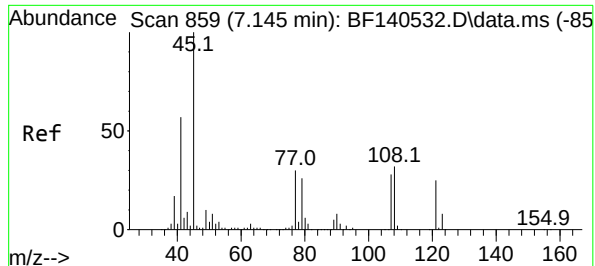
Ion Ratio Lower Upper

79 100

108 68.7 55.0 82.6

77 60.1 50.1 75.1

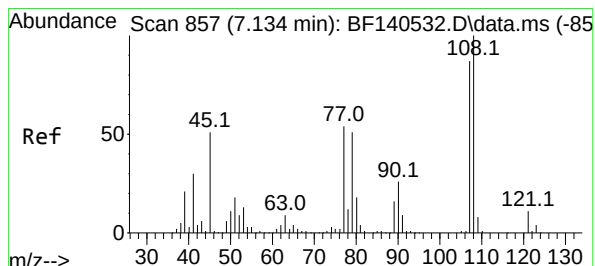
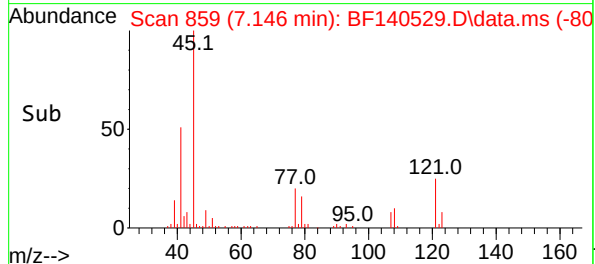
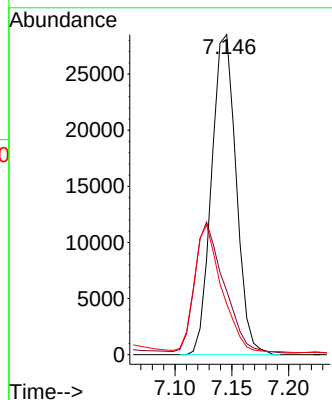
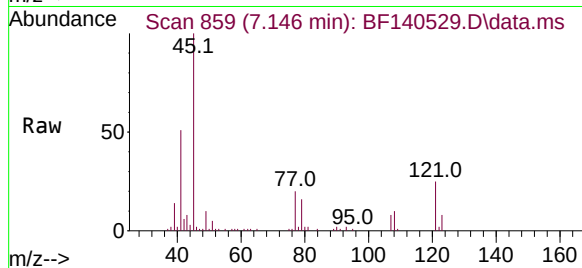




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.765 ng
RT: 7.146 min Scan# 859
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

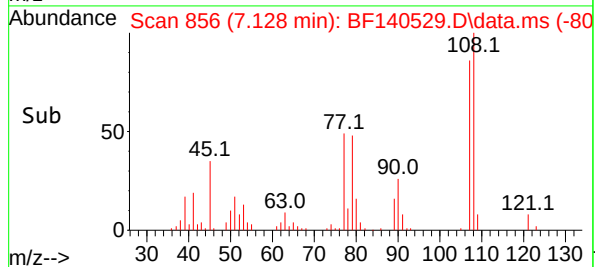
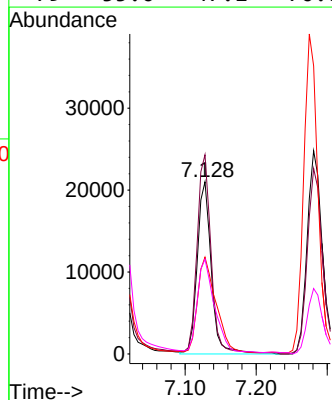
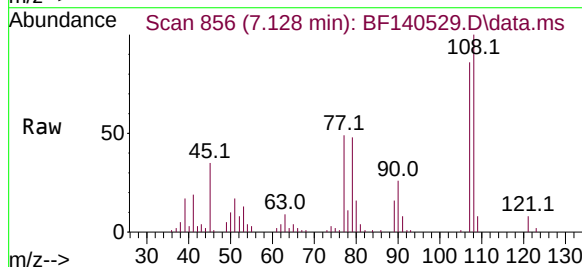
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

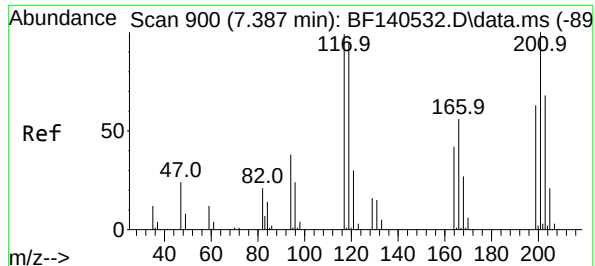
Tgt Ion:	45	Resp:	42946
Ion Ratio	Lower	Upper	
45	100		
77	19.9	10.7	50.7
79	15.8	7.0	47.0



#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

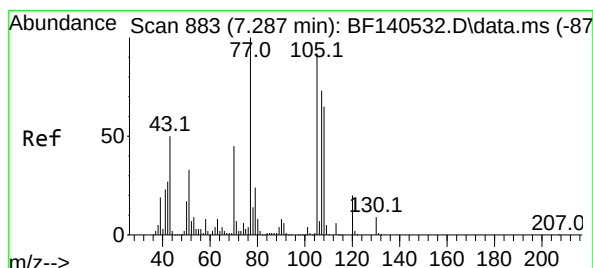
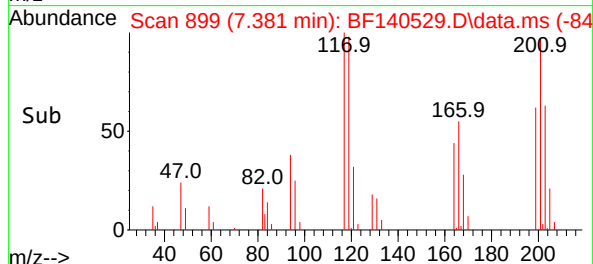
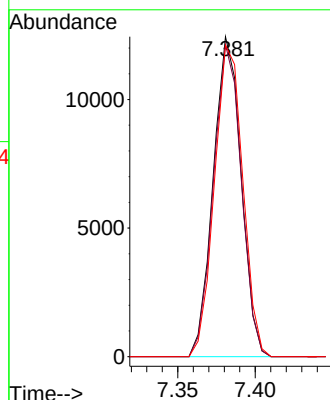
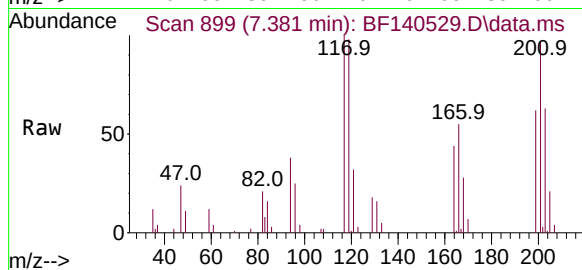
Tgt Ion:117 Resp: 15560

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

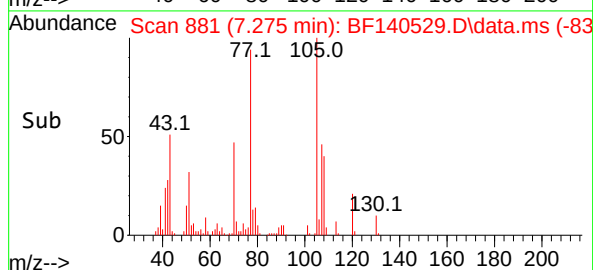
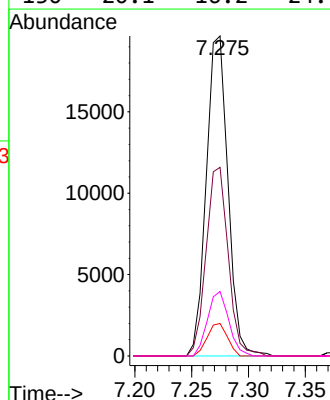
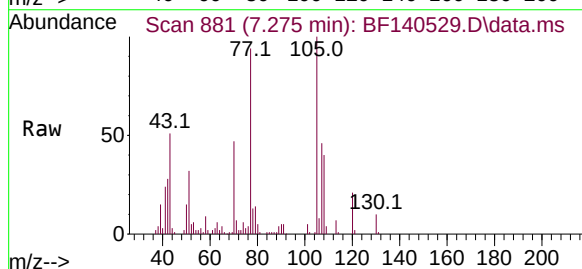
Ion Ratio Lower Upper

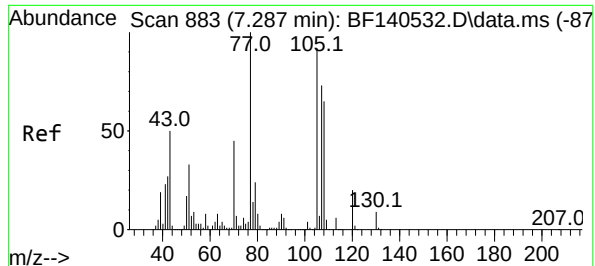
70 100

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

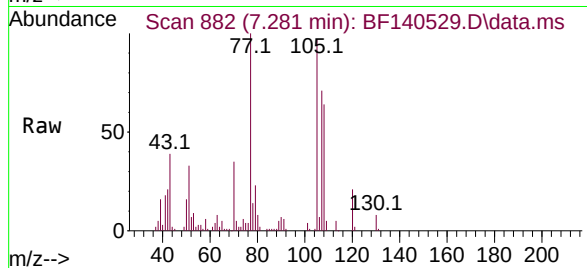
Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:107 Resp: 38915

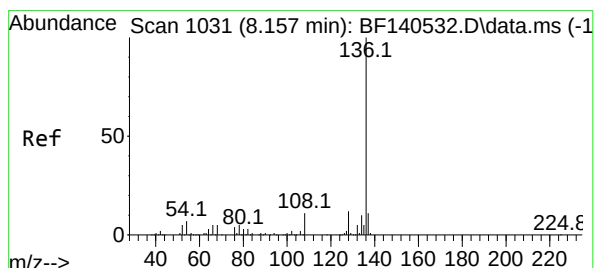
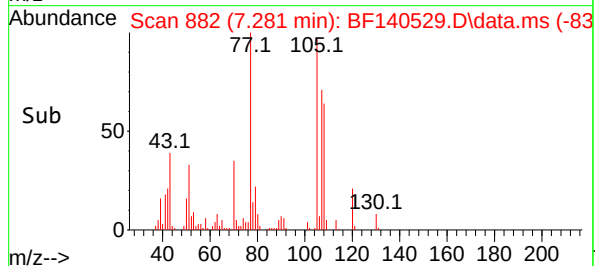
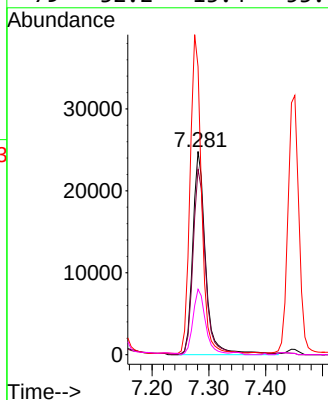
Ion Ratio Lower Upper

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

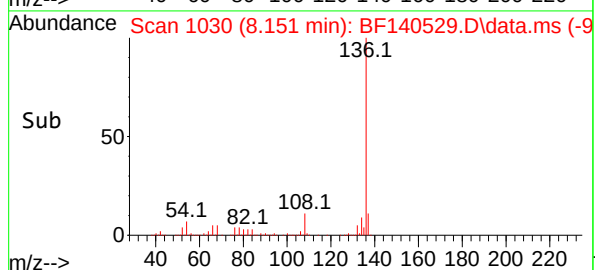
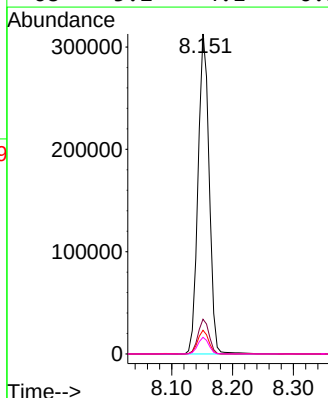
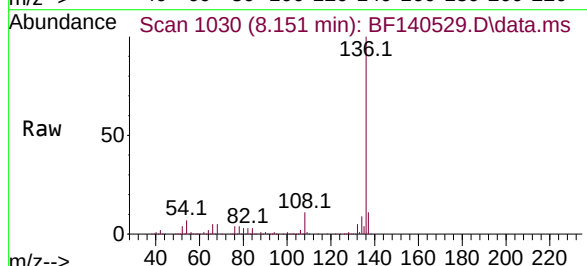
Ion Ratio Lower Upper

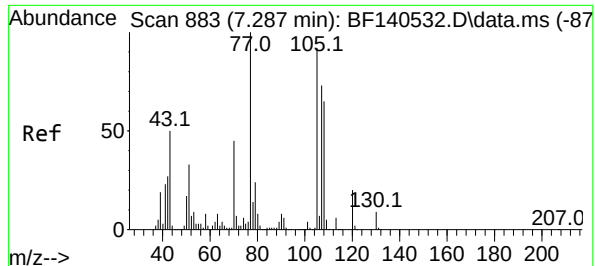
136 100

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

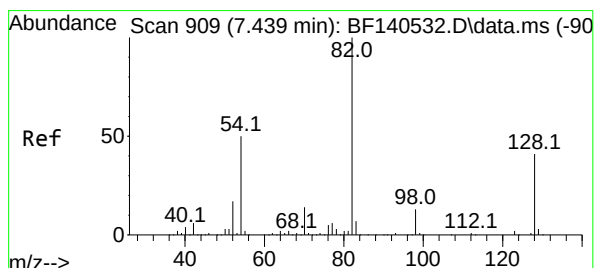
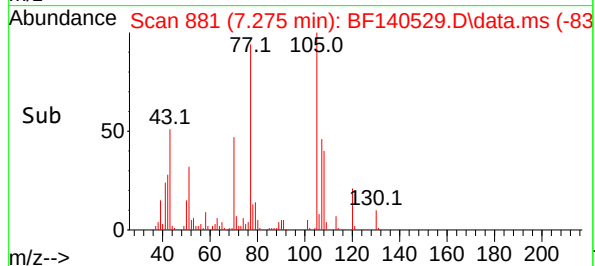
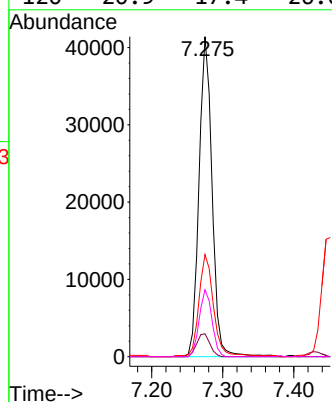
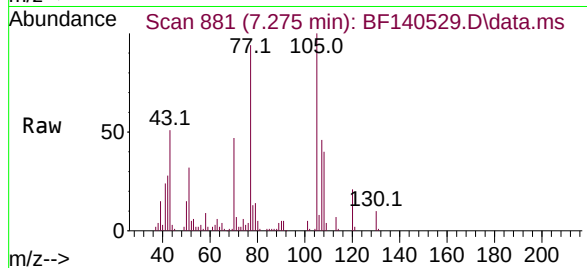
Ion Ratio Lower Upper

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

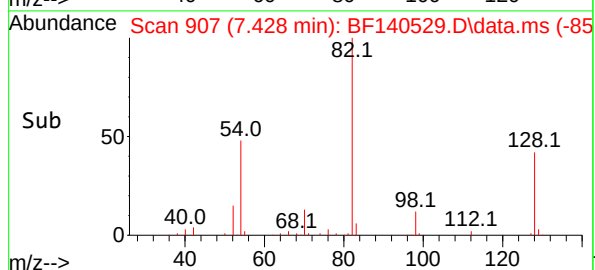
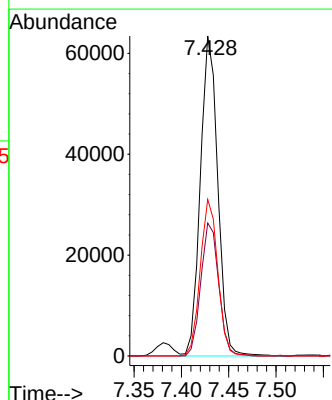
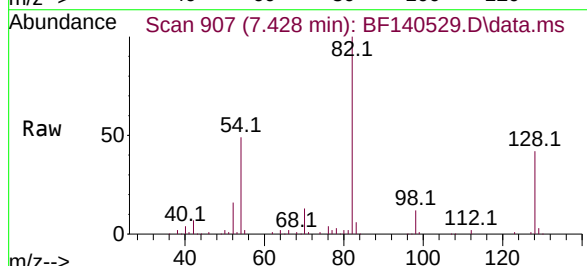
Tgt Ion: 82 Resp: 80941

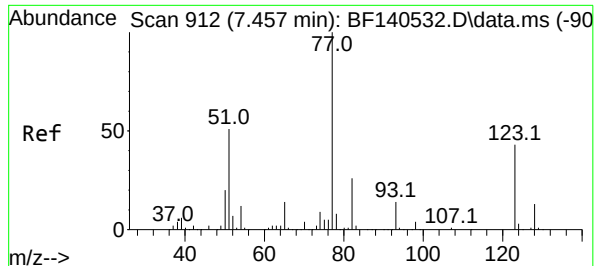
Ion Ratio Lower Upper

82 100

128 41.6 33.0 49.4

54 48.9 39.5 59.3

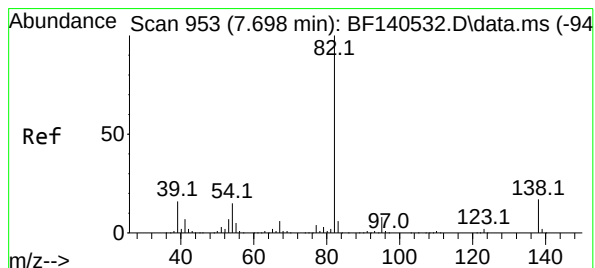
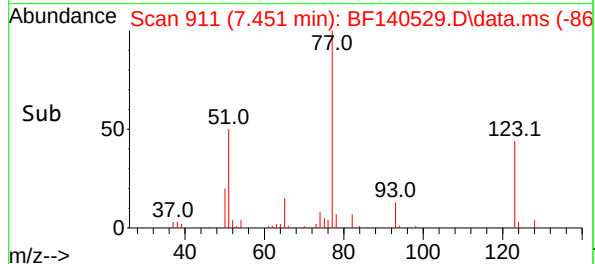
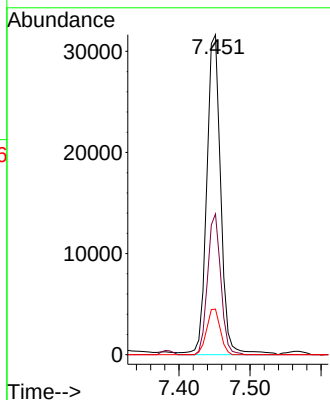
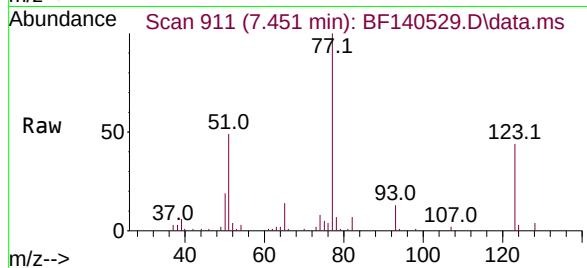




#24
Nitrobenzene
Concen: 5.432 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

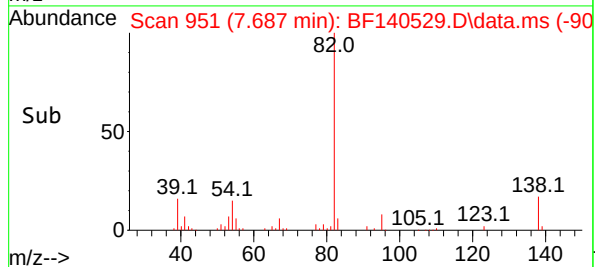
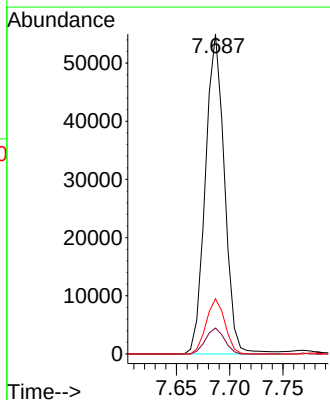
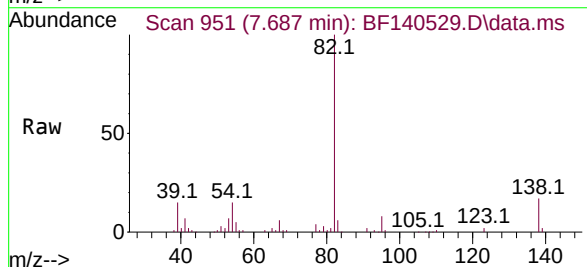
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

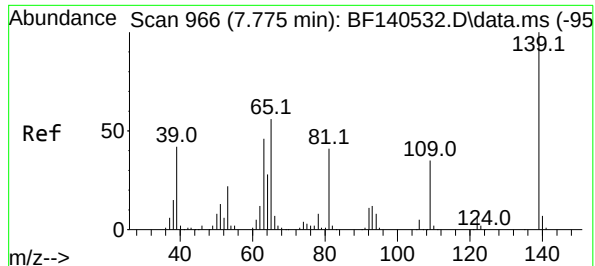
Tgt Ion: 77 Resp: 43460
Ion Ratio Lower Upper
77 100
123 44.0 34.3 51.5
65 14.3 11.2 16.8



#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

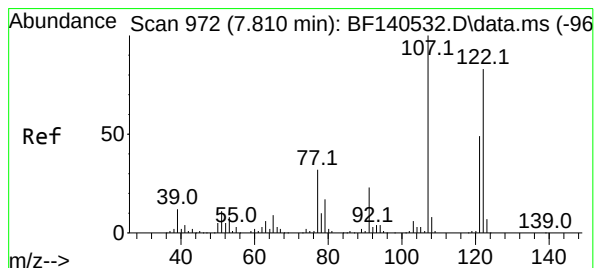
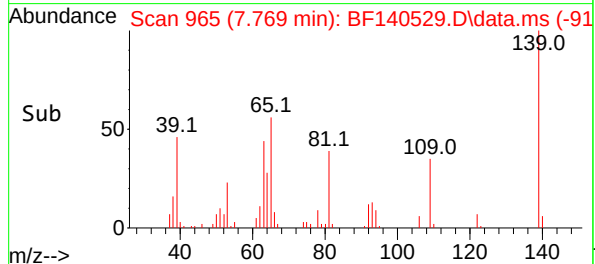
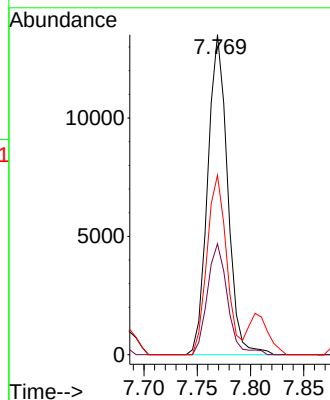
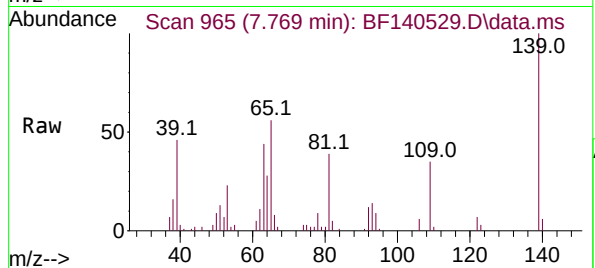




#26
2-Nitrophenol
Concen: 4.964 ng
RT: 7.769 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

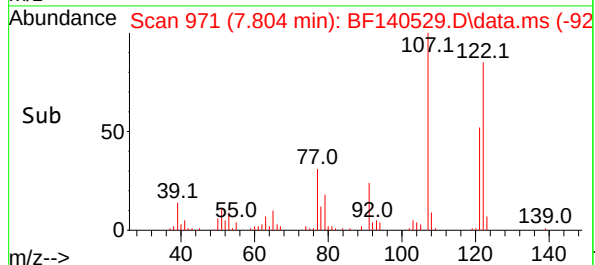
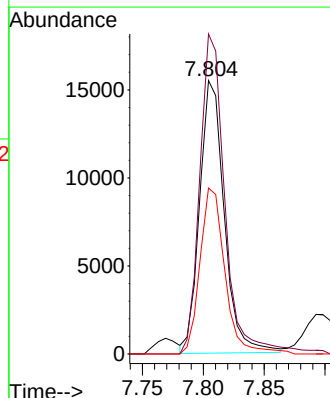
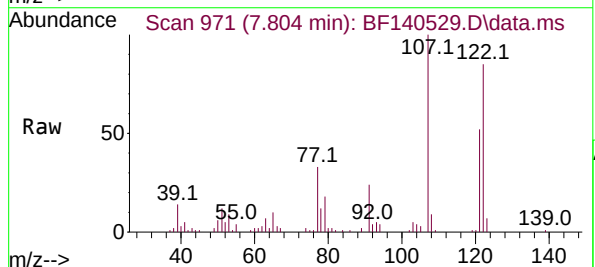
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

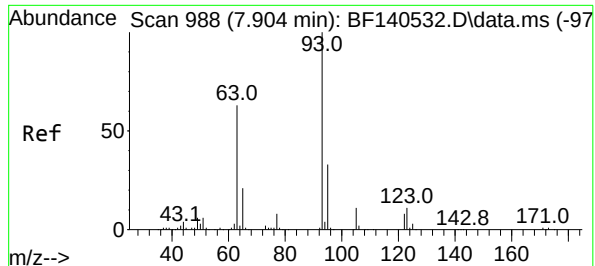
Tgt Ion:139 Resp: 17600
Ion Ratio Lower Upper
139 100
109 34.7 28.0 42.0
65 56.1 44.6 67.0



#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

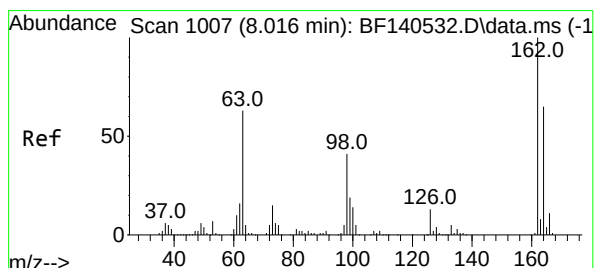
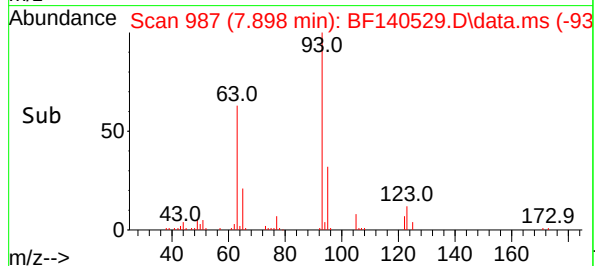
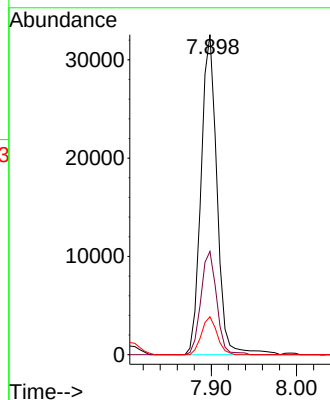
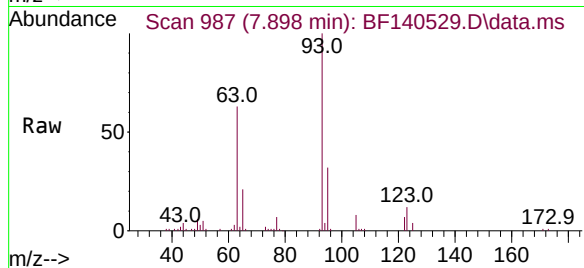
Tgt Ion: 93 Resp: 42337

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

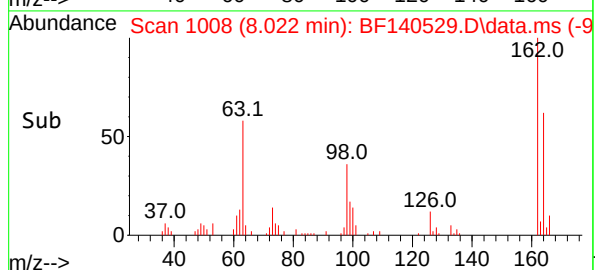
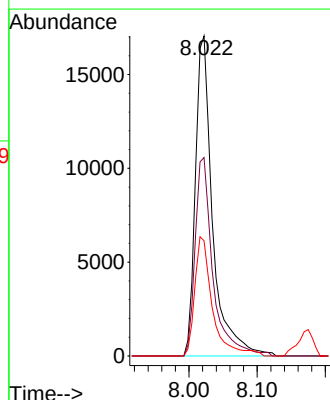
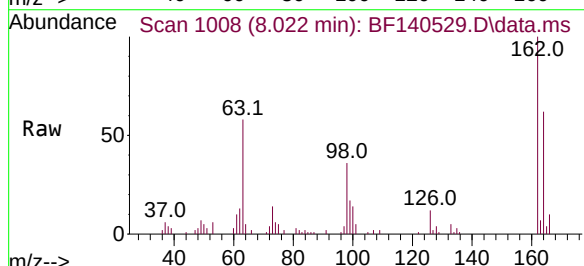
Tgt Ion:162 Resp: 29819

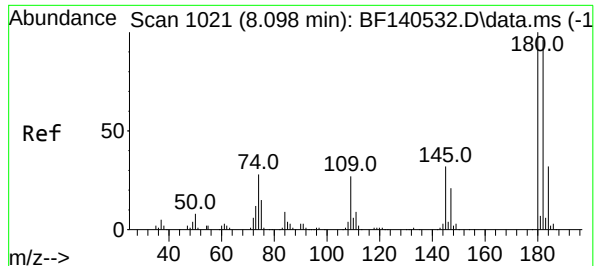
Ion Ratio Lower Upper

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

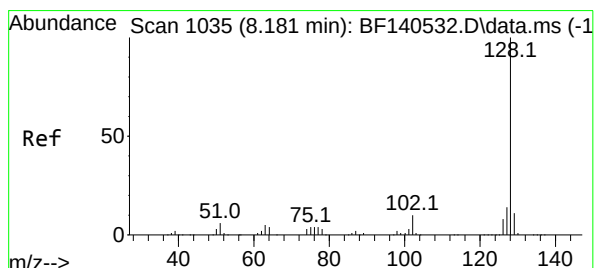
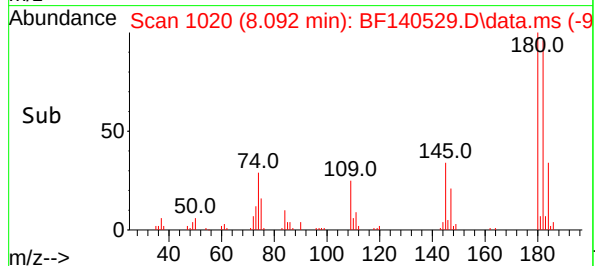
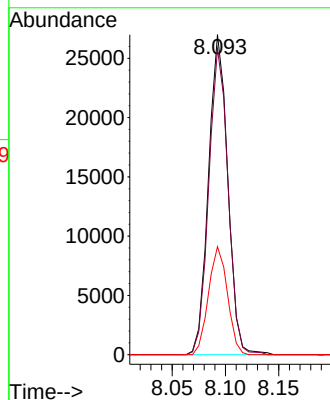
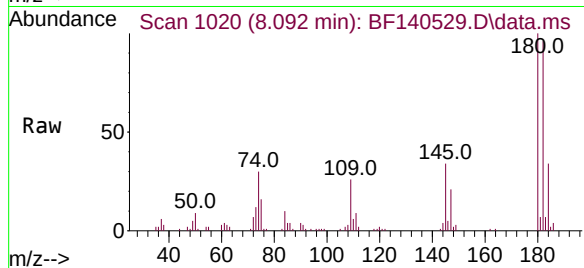
Tgt Ion:180 Resp: 33886

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

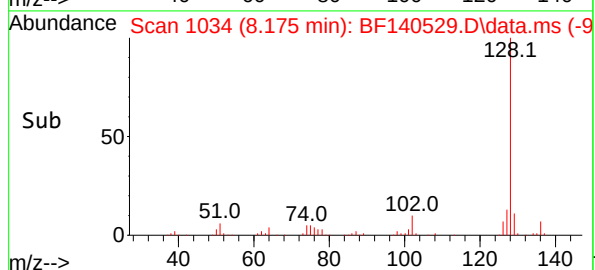
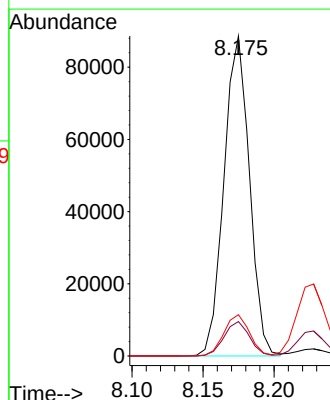
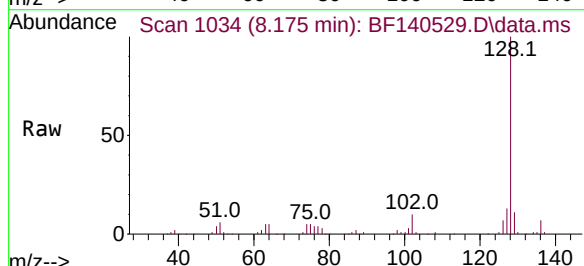
Tgt Ion:128 Resp: 110501

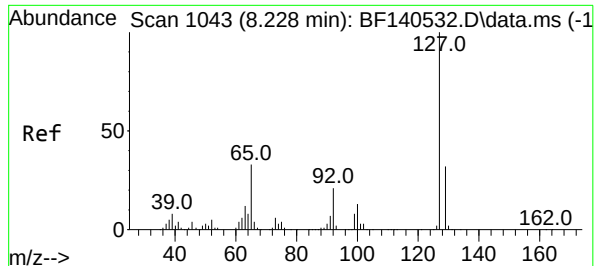
Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 12.9 10.8 16.2

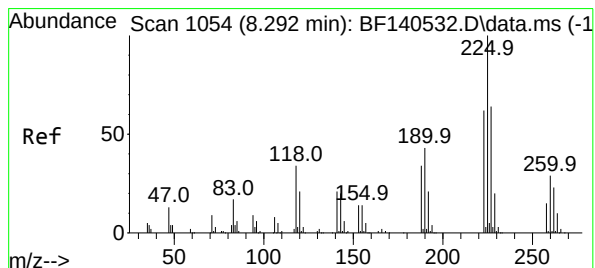
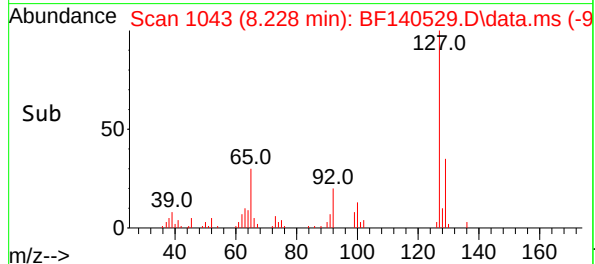
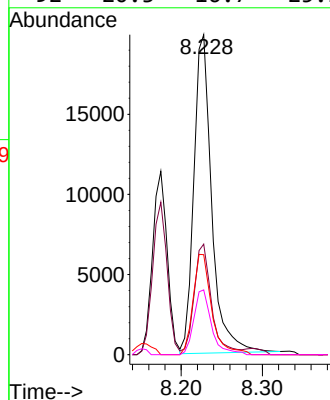
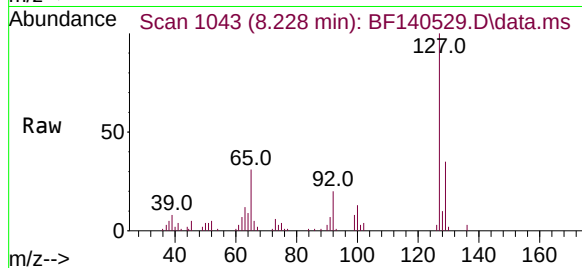




#33
4-Chloroaniline
Concen: 4.985 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

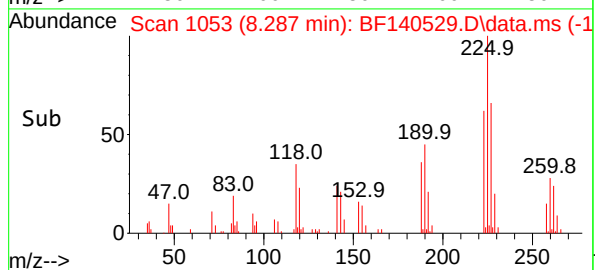
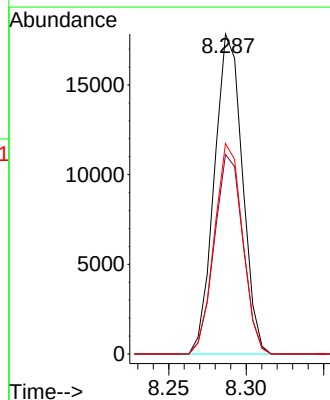
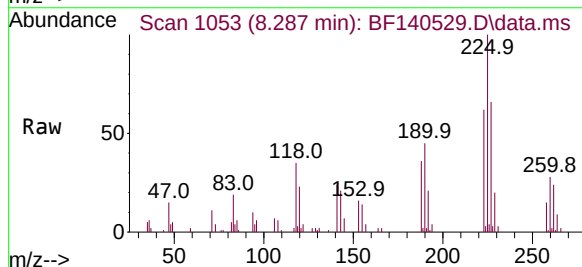
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

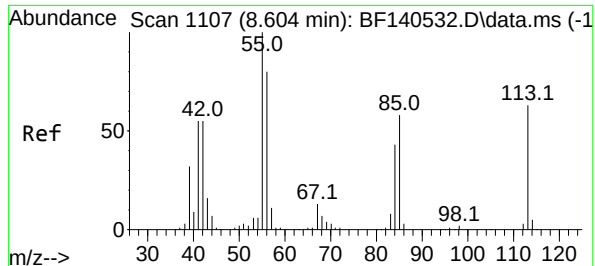
Tgt Ion:	127	Resp:	30440
Ion	Ratio	Lower	Upper
127	100		
129	34.5	26.0	39.0
65	31.3	26.0	39.0
92	20.3	16.7	25.1



#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# 1107

Delta R.T. -0.047 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

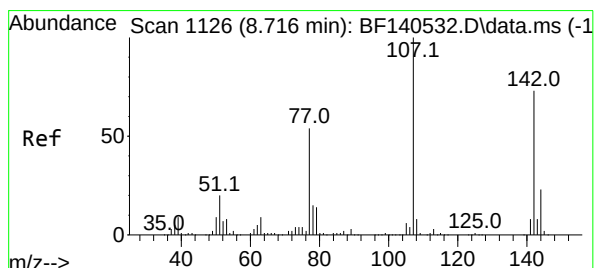
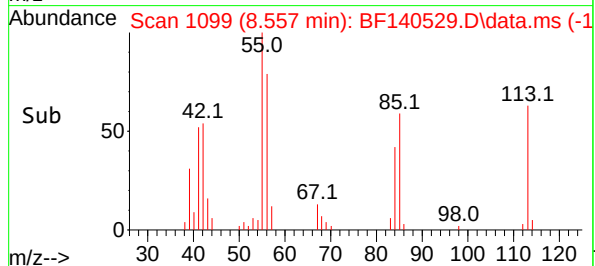
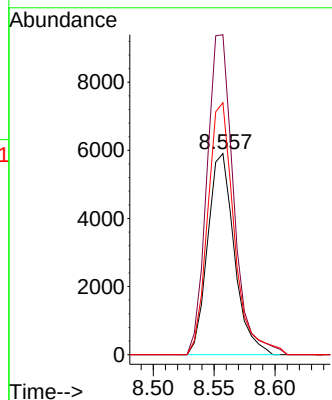
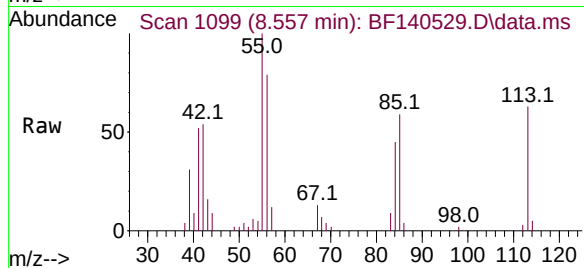
Tgt Ion:113 Resp: 8985

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

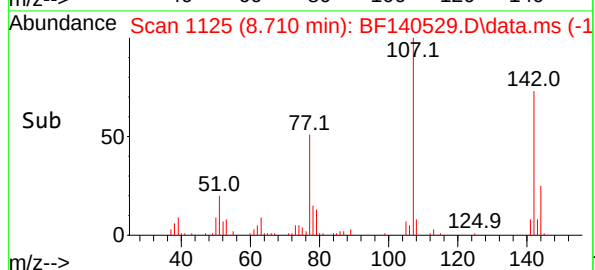
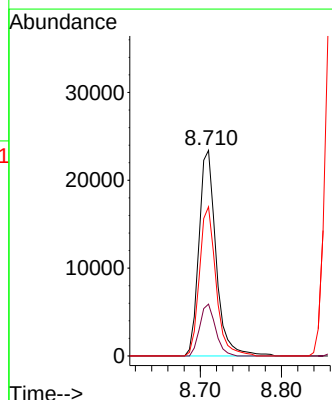
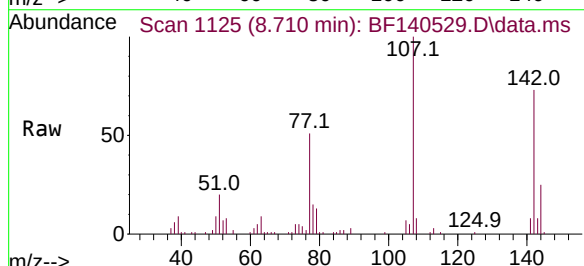
Tgt Ion:107 Resp: 34404

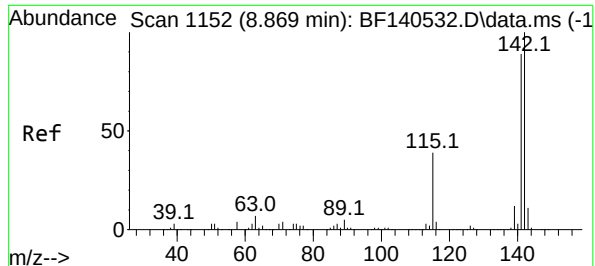
Ion Ratio Lower Upper

107 100

144 25.2 18.7 28.1

142 72.6 58.3 87.5

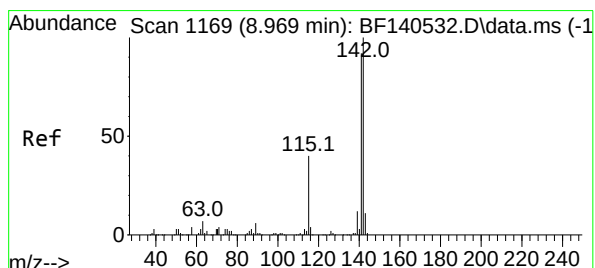
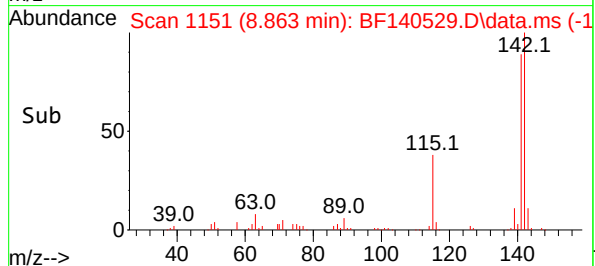
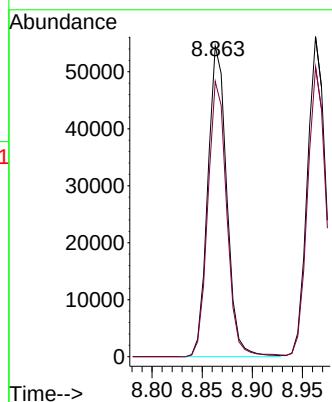
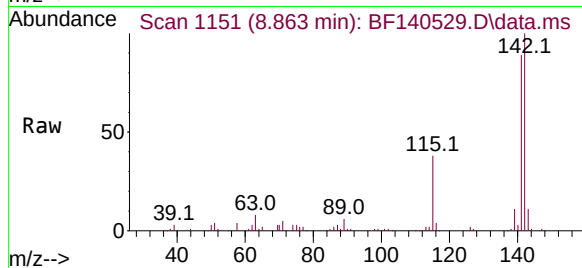




#37
2-Methylnaphthalene
Concen: 5.536 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

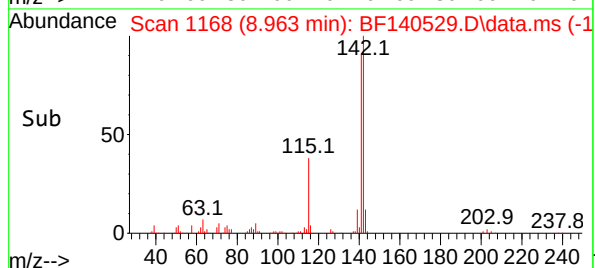
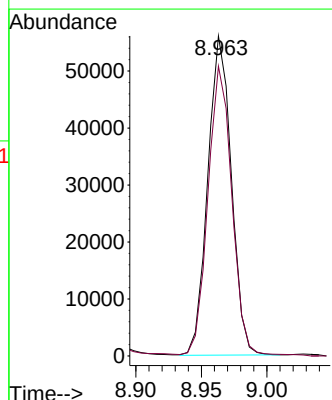
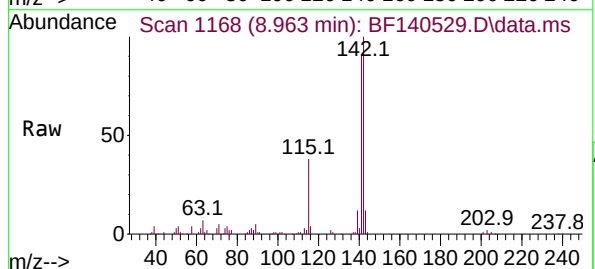
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

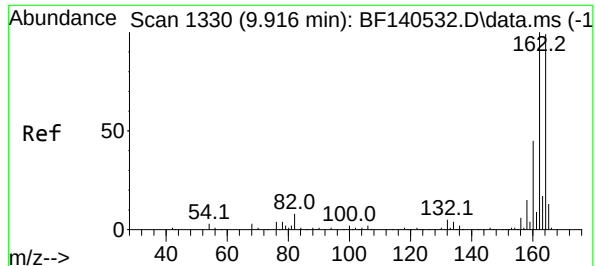
Tgt Ion:142 Resp: 71706
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6



#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# 1180

Delta R.T. -0.006 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

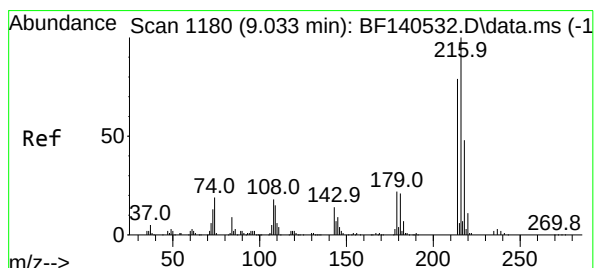
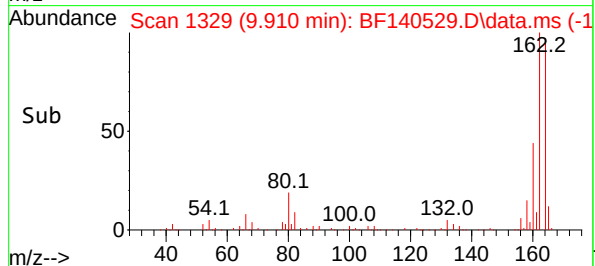
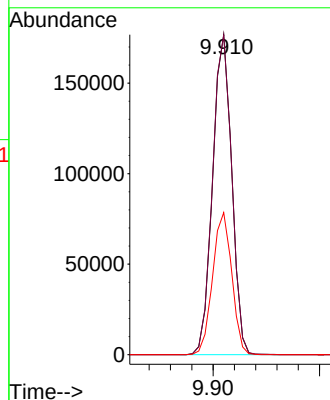
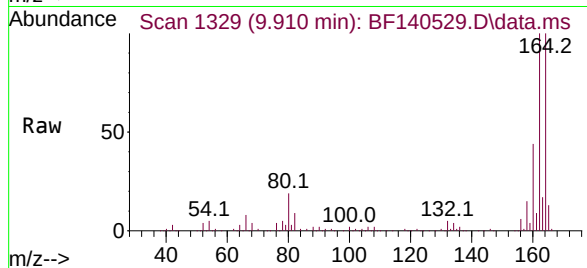
Tgt Ion:164 Resp: 219293

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

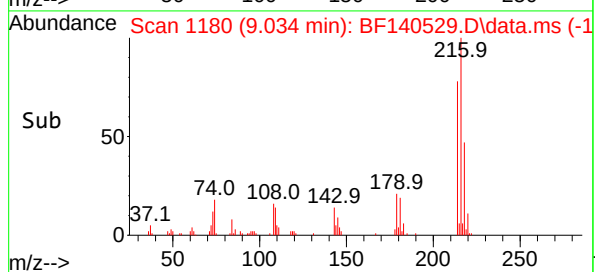
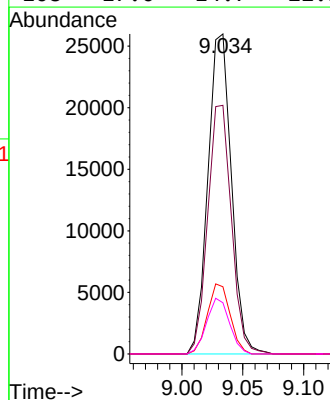
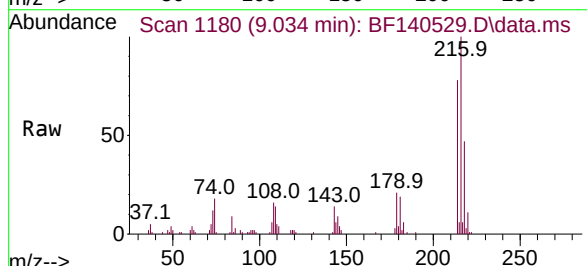
Ion Ratio Lower Upper

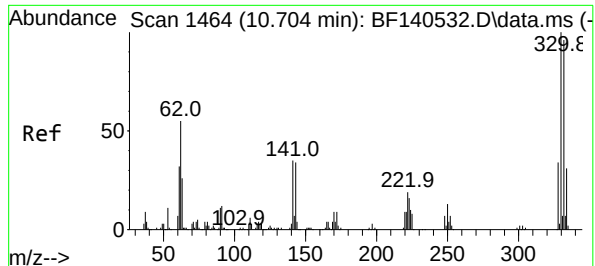
216 100

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

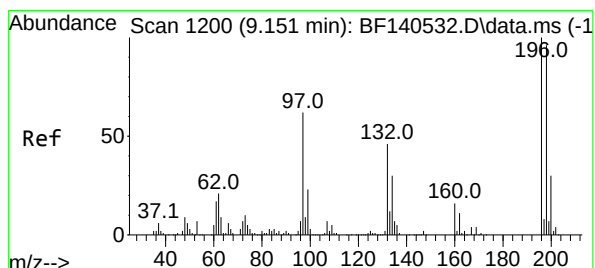
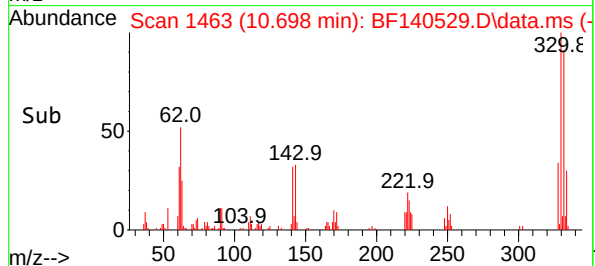
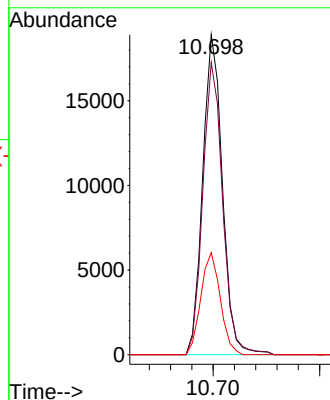
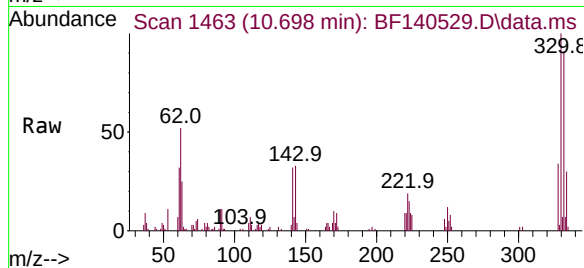
Tgt Ion:330 Resp: 24342

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

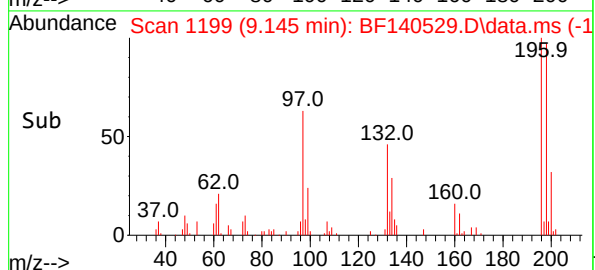
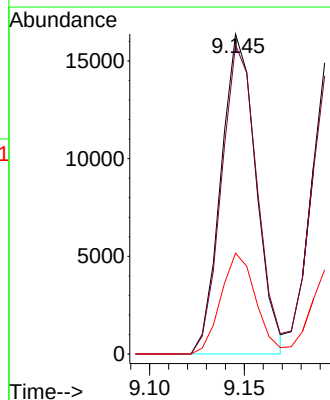
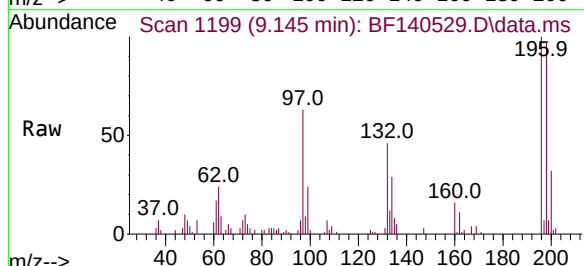
Tgt Ion:196 Resp: 21046

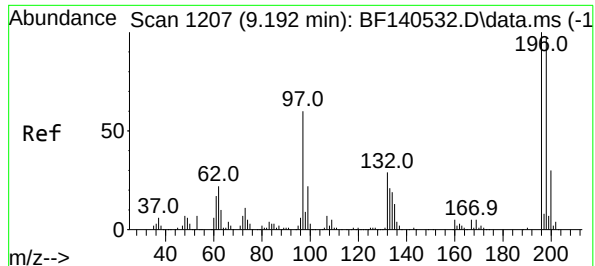
Ion Ratio Lower Upper

196 100

198 96.6 76.8 115.2

200 31.5 24.3 36.5

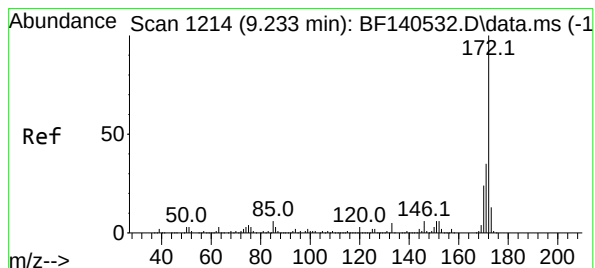
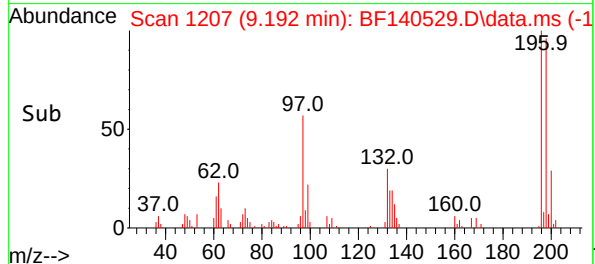
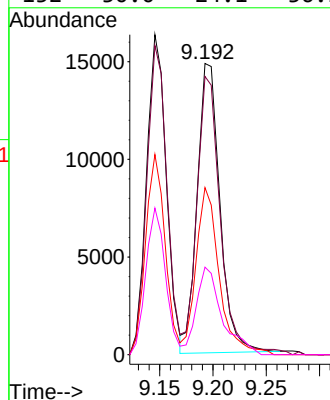
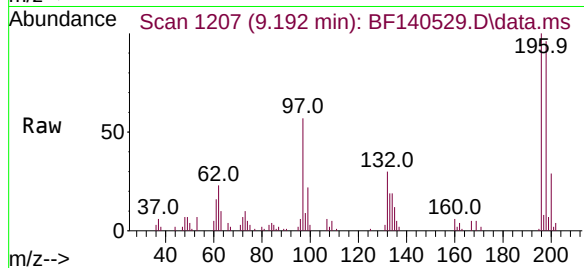




#44
2,4,5-Trichlorophenol
Concen: 5.046 ng
RT: 9.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

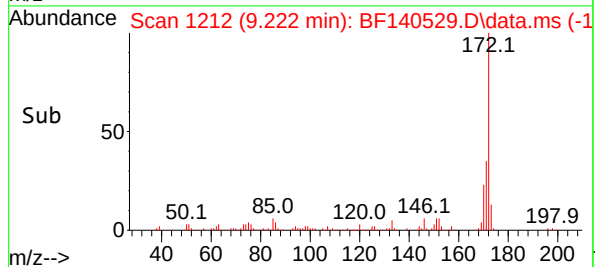
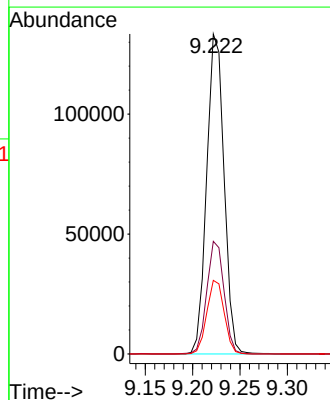
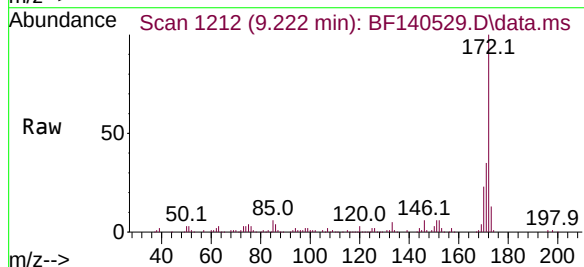
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

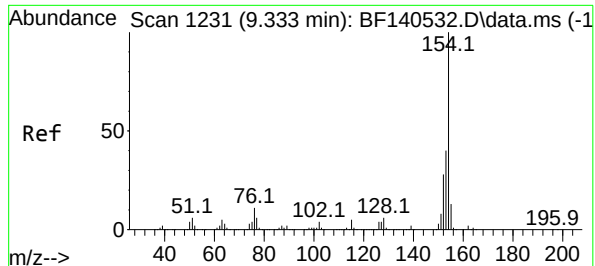
Tgt Ion:196 Resp: 22061
Ion Ratio Lower Upper
196 100
198 95.5 77.2 115.8
97 57.4 47.1 70.7
132 30.0 24.1 36.1



#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

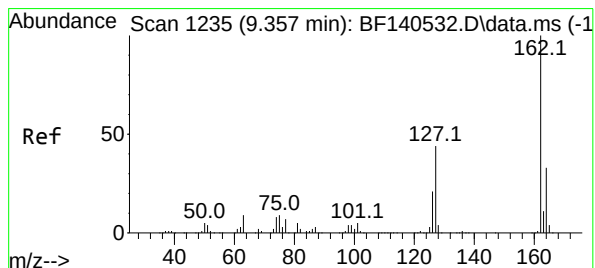
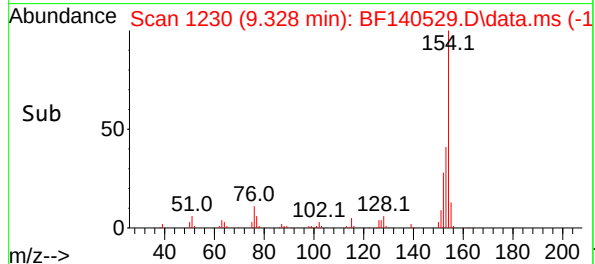
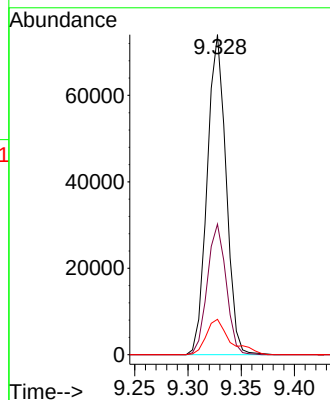
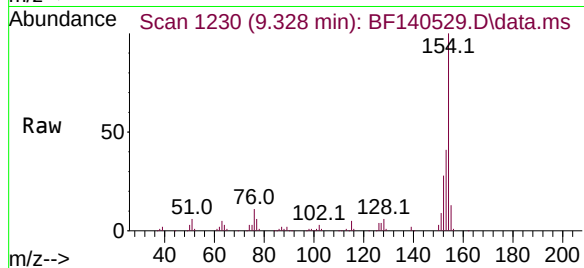




#46
1,1'-Biphenyl
Concen: 5.579 ng
RT: 9.328 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

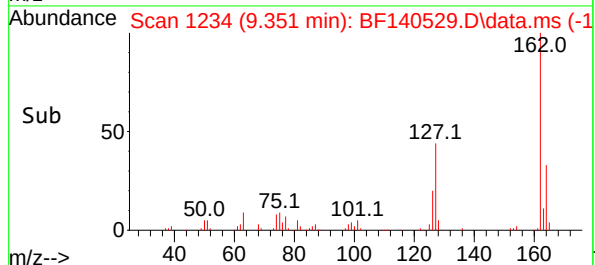
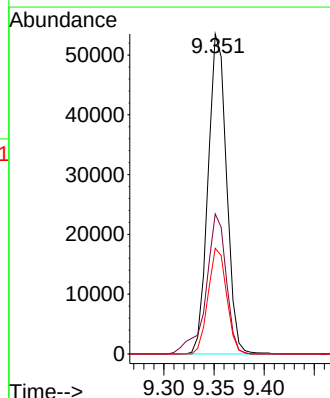
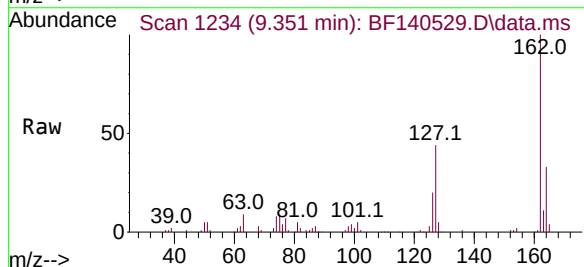
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

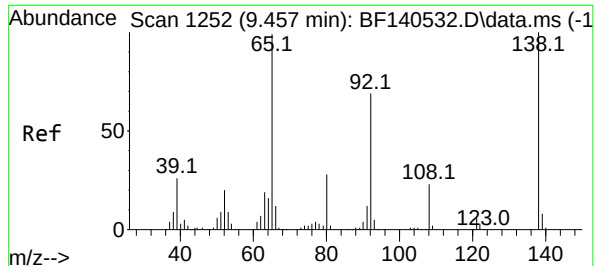
Tgt Ion:154 Resp: 91336
Ion Ratio Lower Upper
154 100
153 40.8 20.4 60.4
76 11.0 0.0 31.2



#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

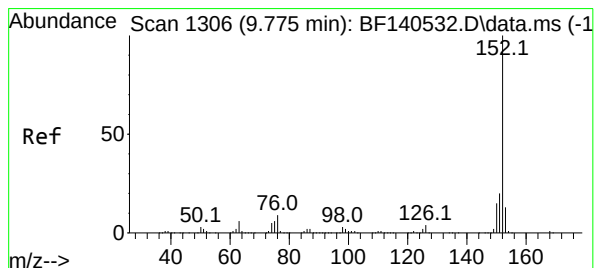
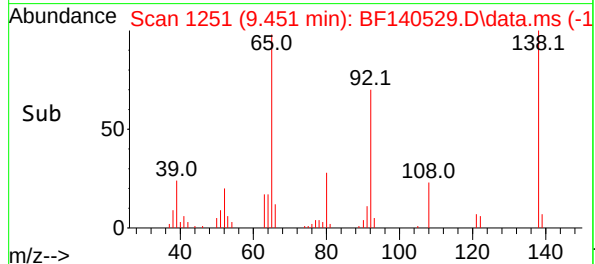
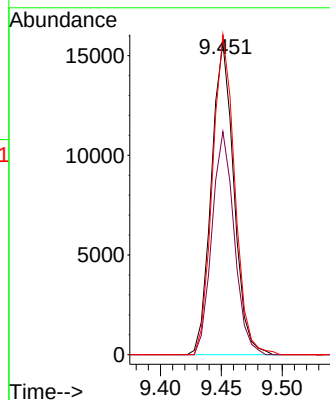
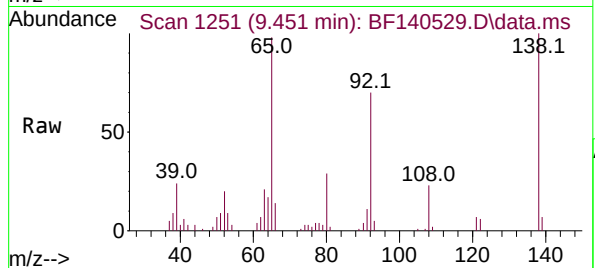




#48
2-Nitroaniline
Concen: 5.050 ng
RT: 9.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

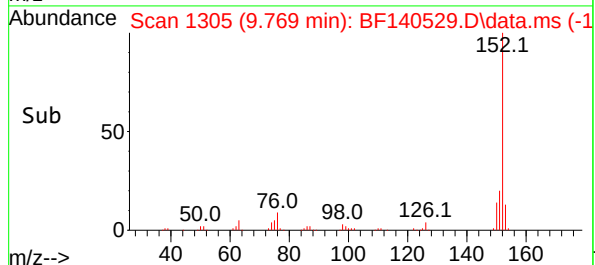
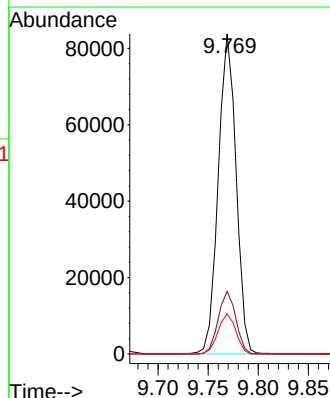
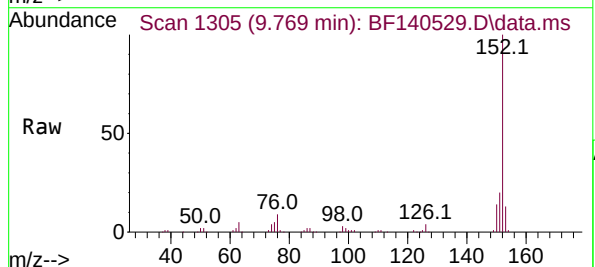
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

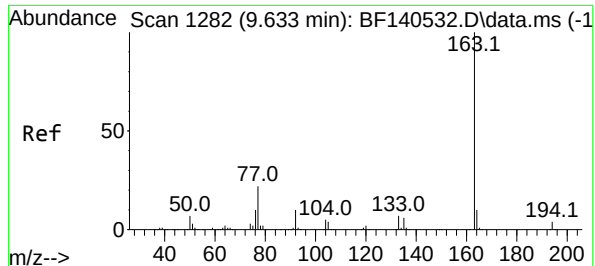
Tgt Ion: 65 Resp: 20109
Ion Ratio Lower Upper
65 100
92 71.4 56.1 84.1
138 102.5 81.0 121.6



#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

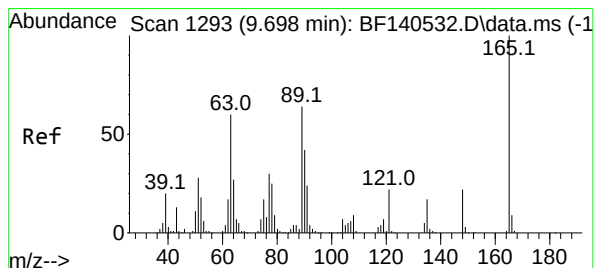
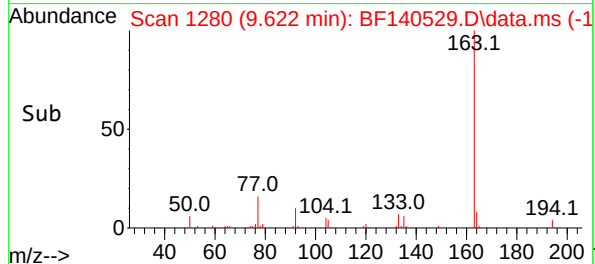
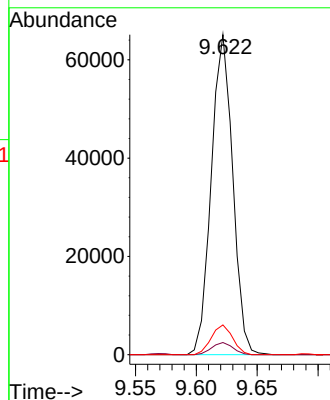
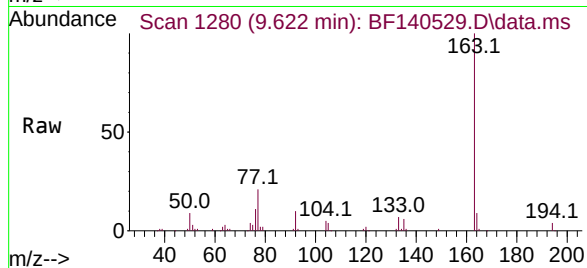




#50
Dimethylphthalate
Concen: 5.523 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

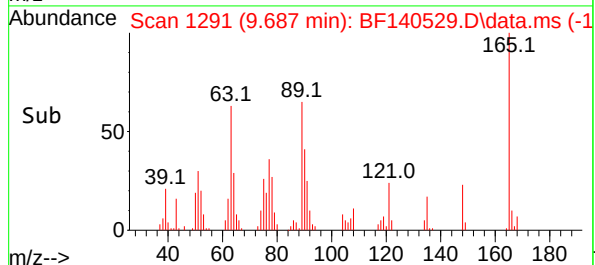
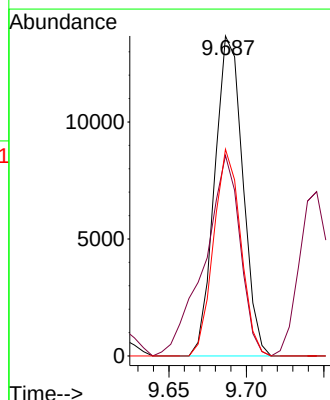
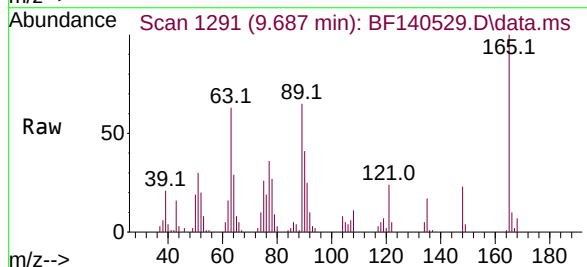
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

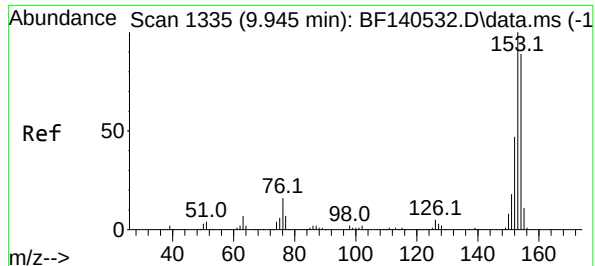
Tgt Ion:163 Resp: 79770
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.3 8.2 12.2



#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

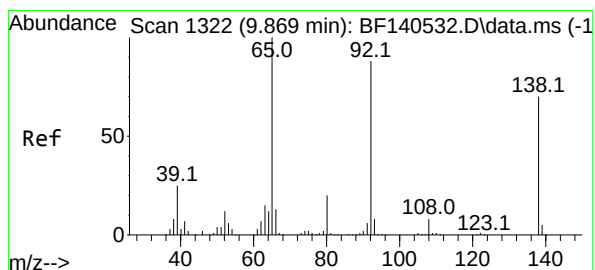
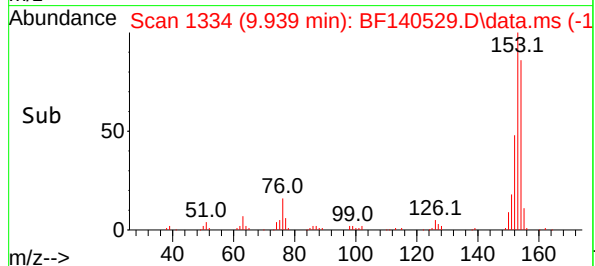
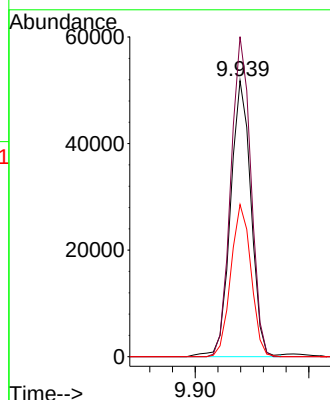
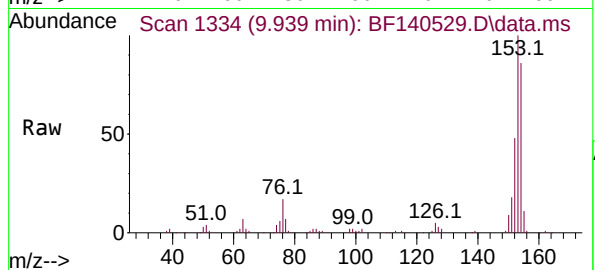
Tgt Ion:154 Resp: 64777

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

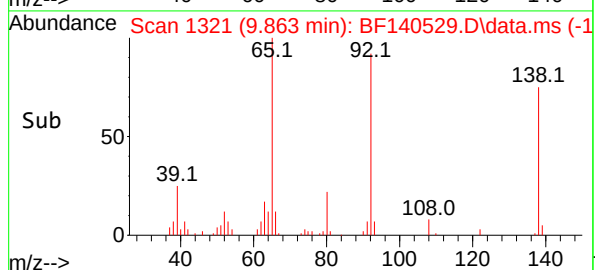
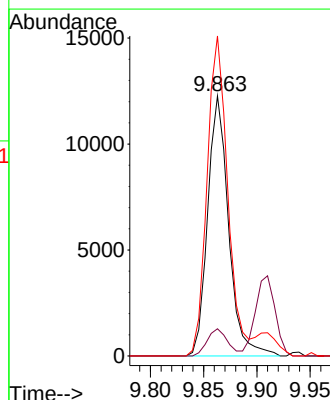
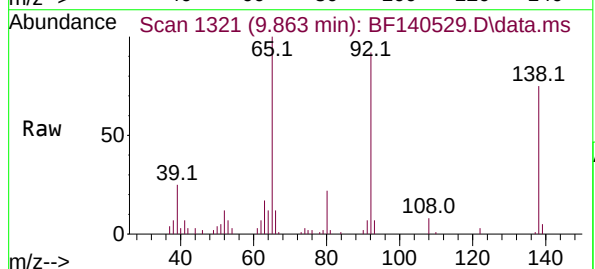
Tgt Ion:138 Resp: 16842

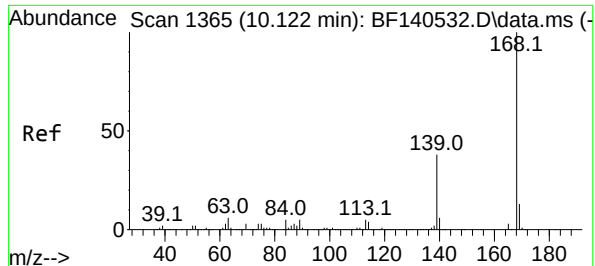
Ion Ratio Lower Upper

138 100

108 10.5 9.2 13.8

92 123.1 100.6 150.8





#55

Dibenzenofuran

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

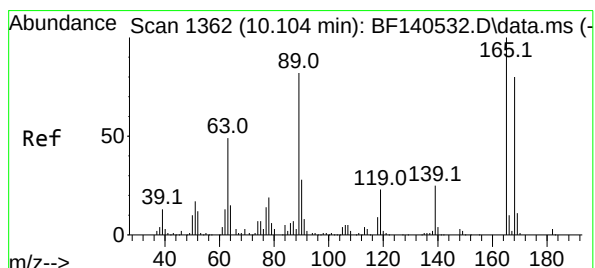
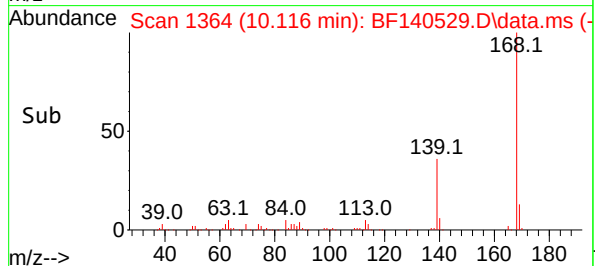
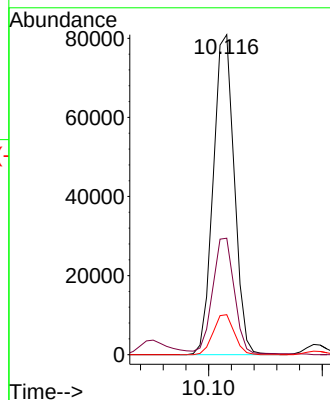
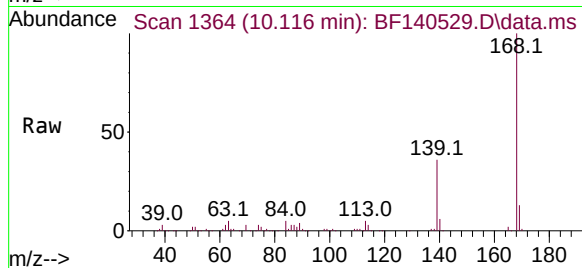
Tgt Ion:168 Resp: 104044

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

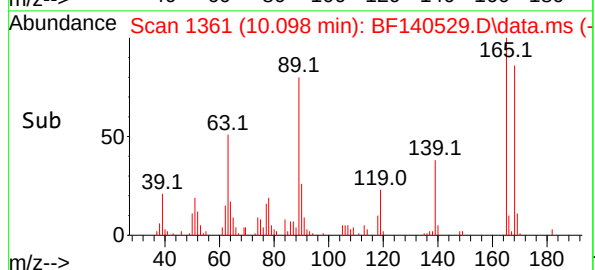
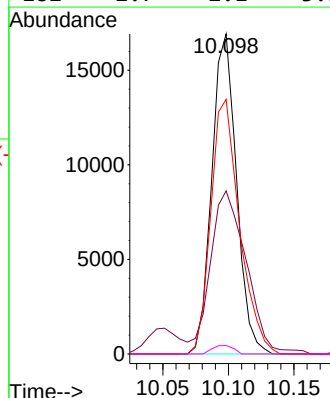
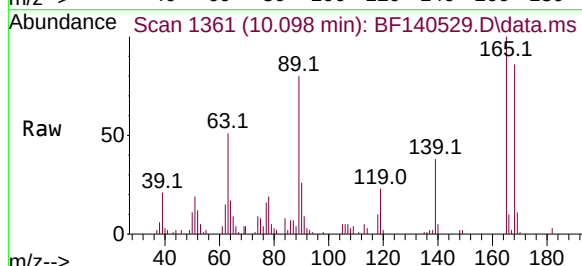
Ion Ratio Lower Upper

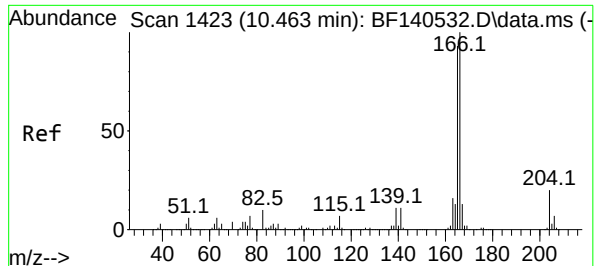
165 100

63 50.9 41.7 62.5

89 79.6 65.8 98.8

182 2.7 2.1 3.1

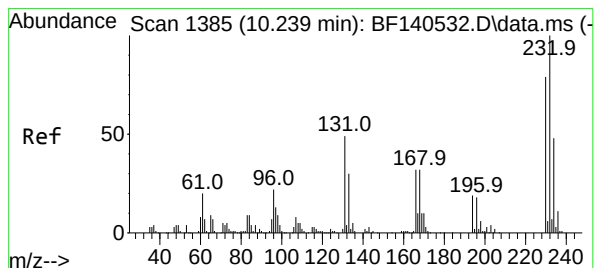
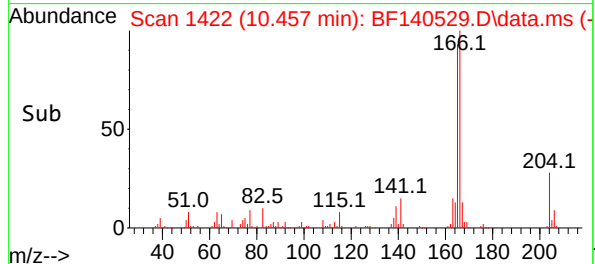
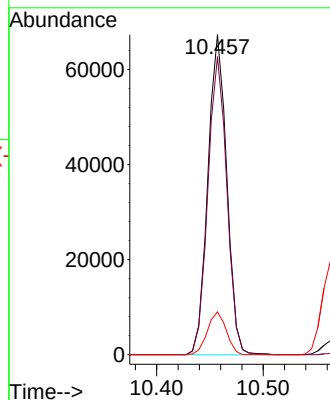
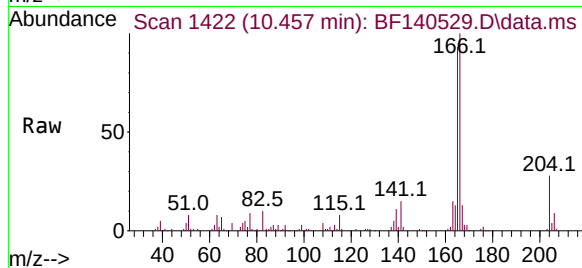




#58
Fluorene
Concen: 5.674 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

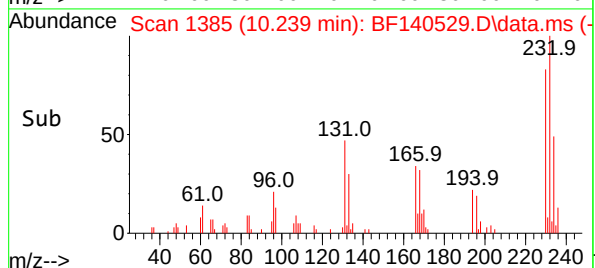
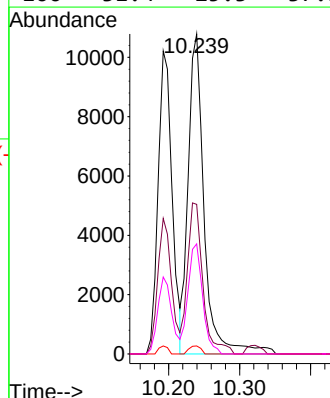
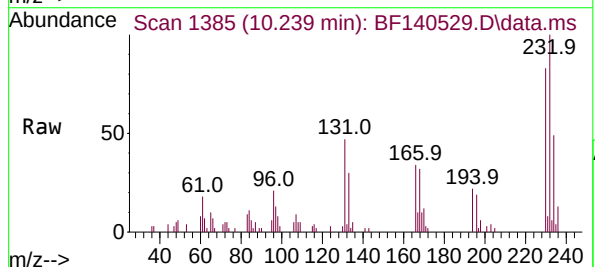
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

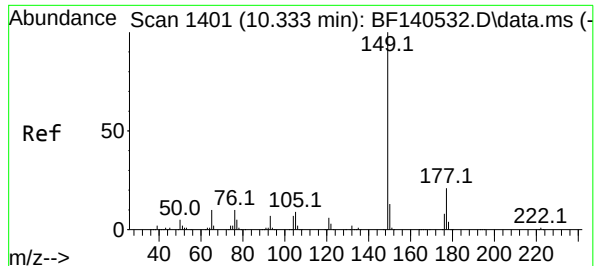
Tgt Ion:166 Resp: 82732
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.4 10.6 16.0



#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

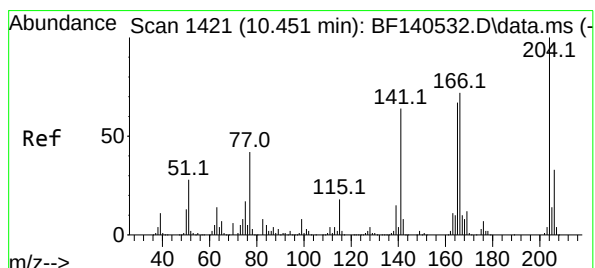
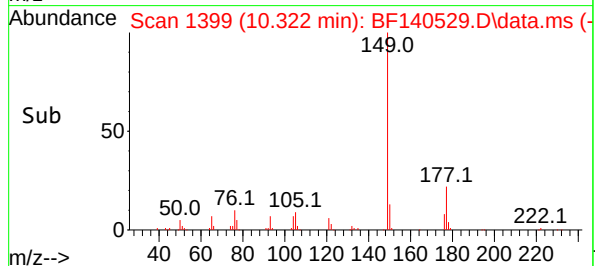
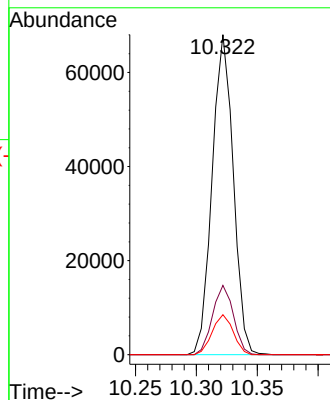
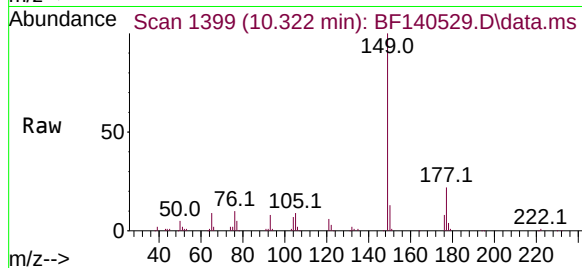
Tgt Ion:149 Resp: 81981

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

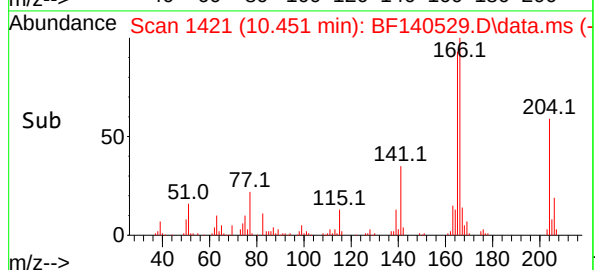
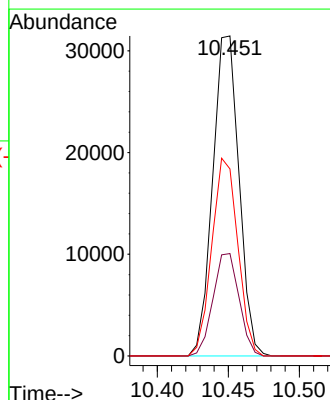
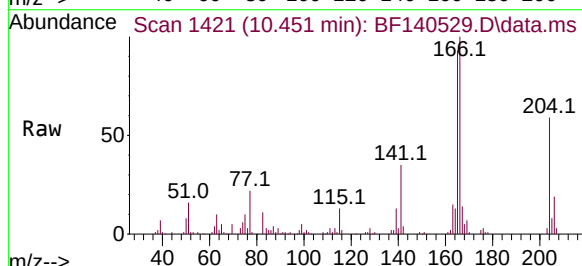
Tgt Ion:204 Resp: 40537

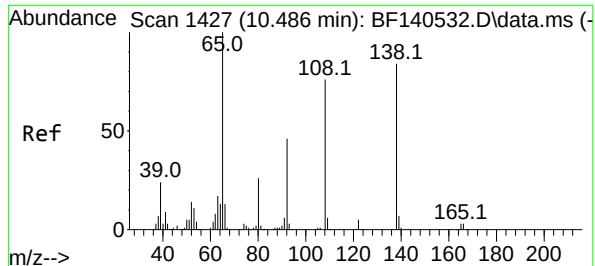
Ion Ratio Lower Upper

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# 1424

Delta R.T. -0.018 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

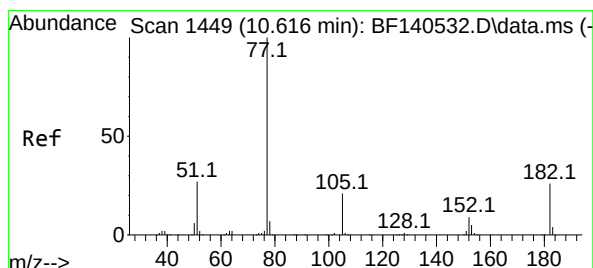
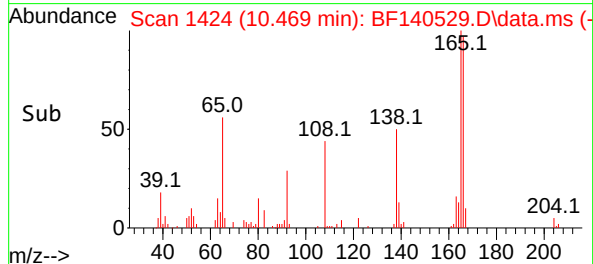
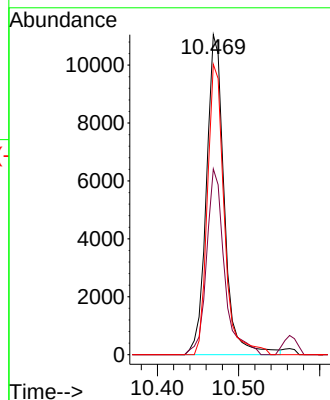
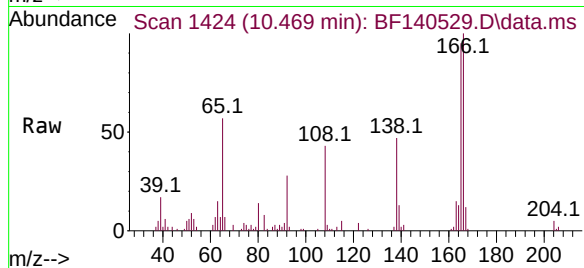
Tgt Ion:138 Resp: 16848

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

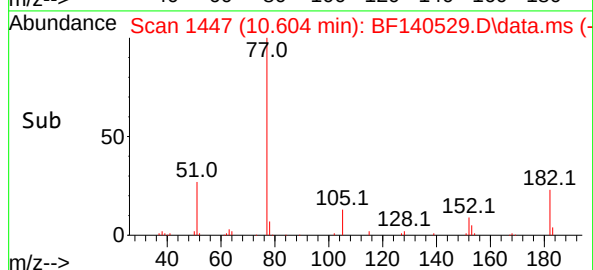
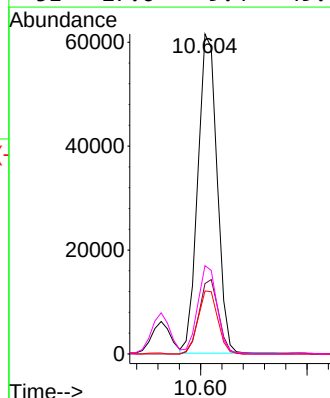
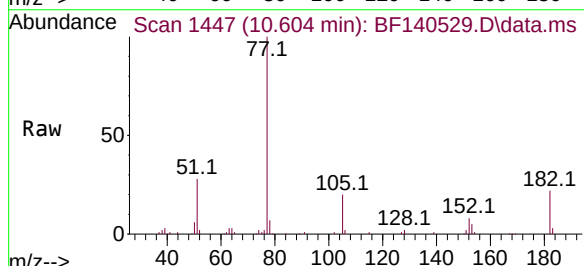
Ion Ratio Lower Upper

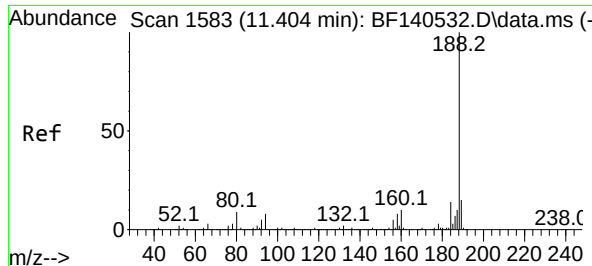
77 100

182 22.0 5.3 45.3

105 19.7 0.3 40.3

51 27.6 9.4 49.4

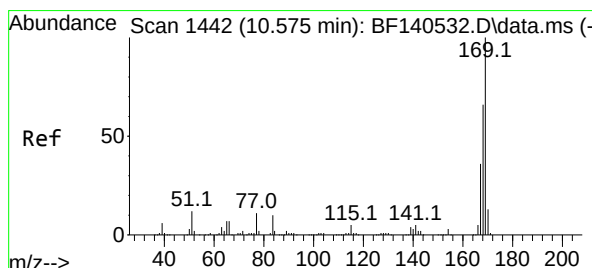
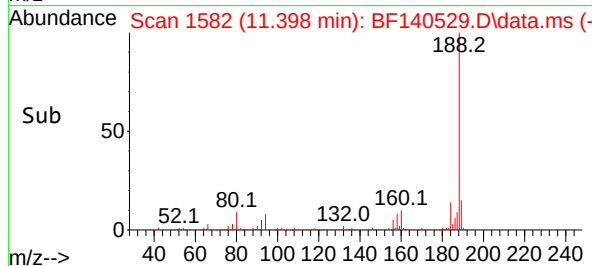
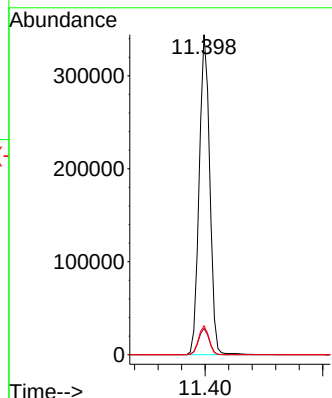
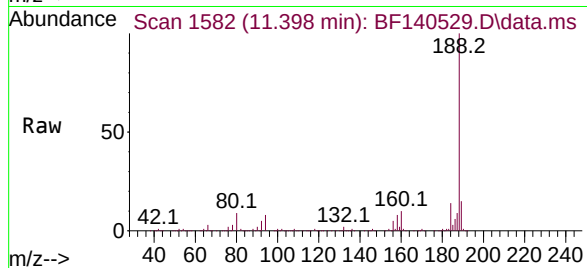




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

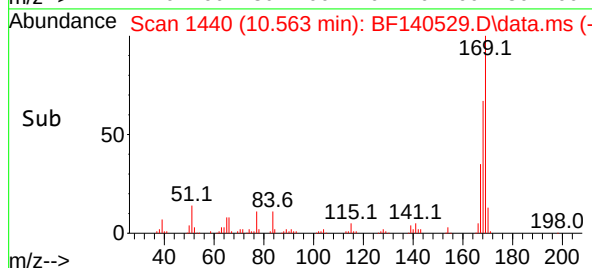
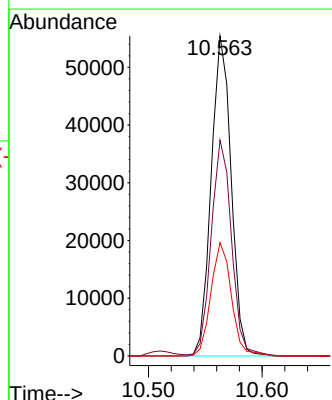
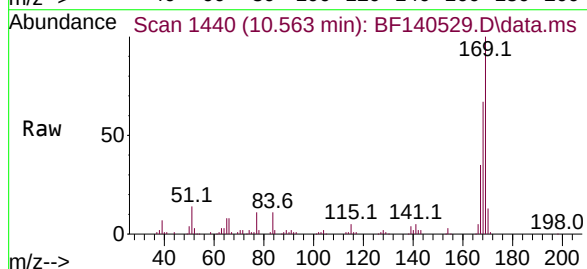
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

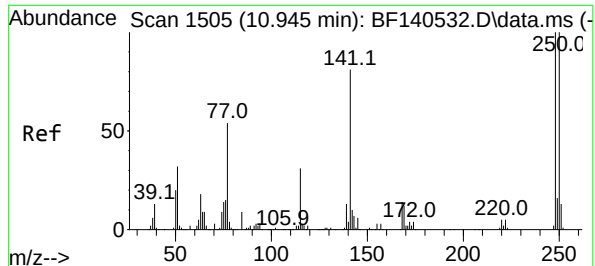
Tgt Ion:188 Resp: 428851
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.0 6.9 10.3



#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

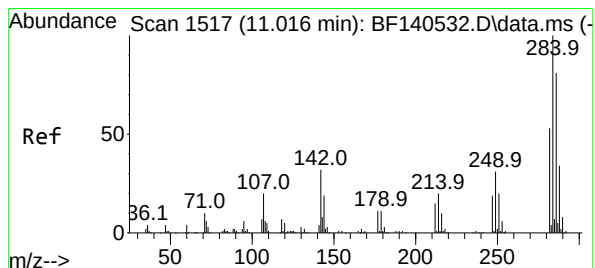
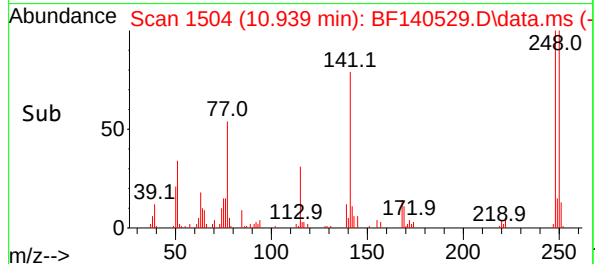
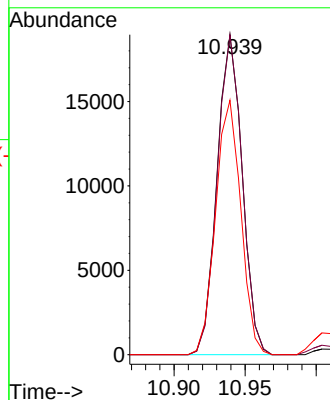
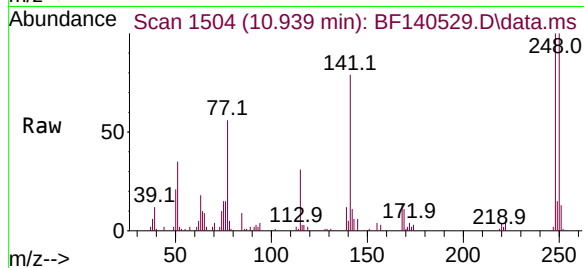




#67
4-Bromophenyl-phenylether
Concen: 5.288 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

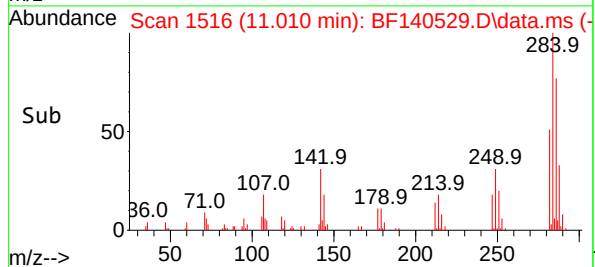
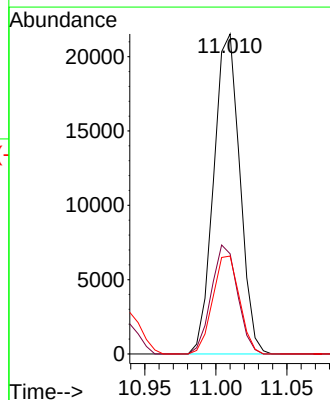
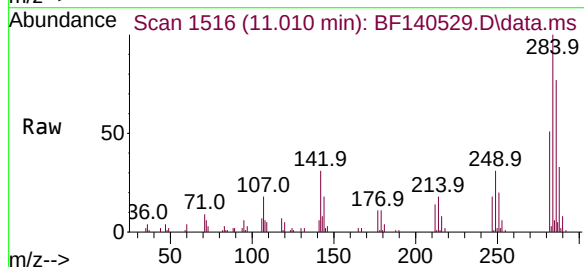
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

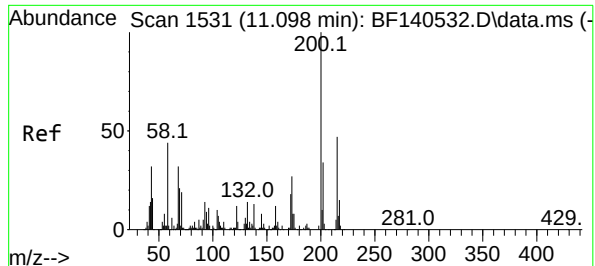
Tgt Ion:248 Resp: 23355
Ion Ratio Lower Upper
248 100
250 99.9 79.8 119.8
141 79.5 64.7 97.1



#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# 11

Delta R.T. -0.012 min

Lab File: BF140529.D

Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

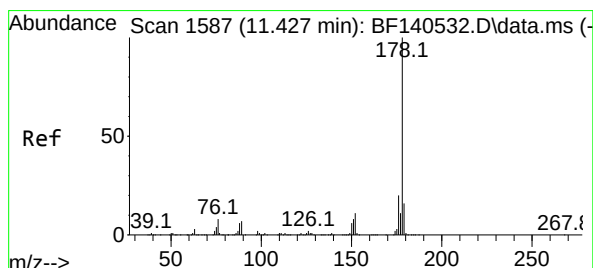
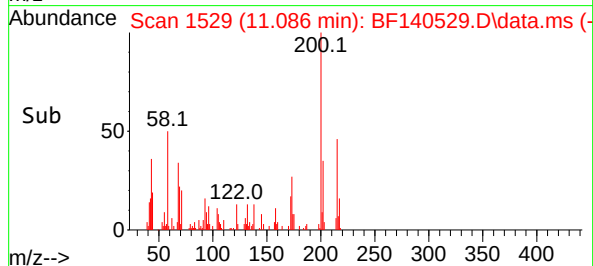
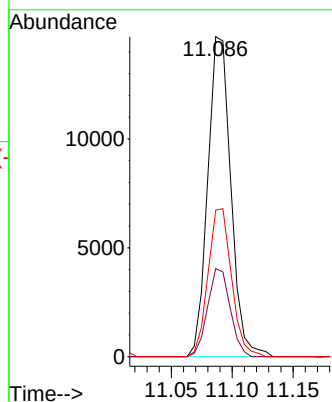
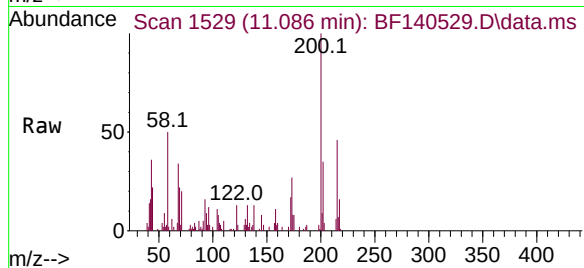
Tgt Ion:200 Resp: 19452

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

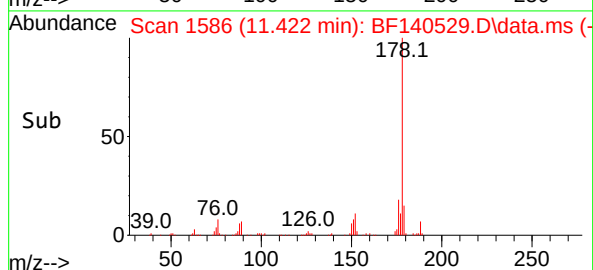
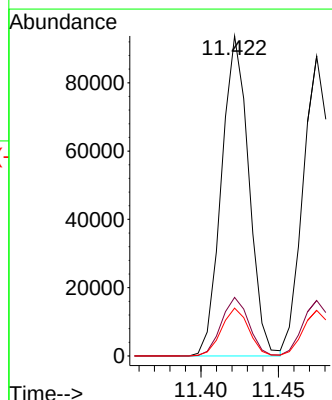
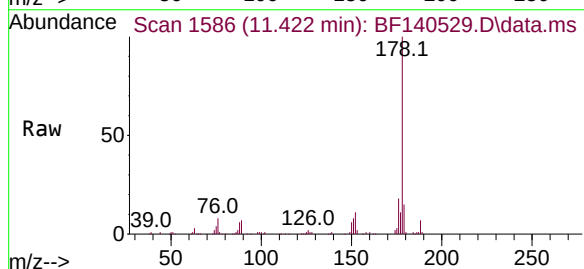
Tgt Ion:178 Resp: 115121

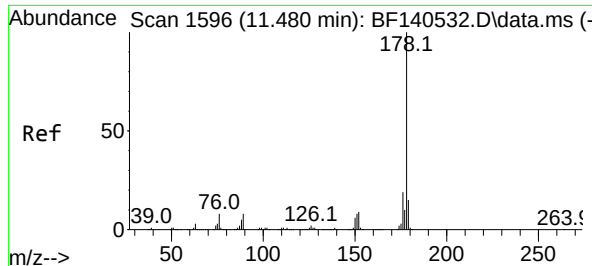
Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

179 14.9 12.4 18.6

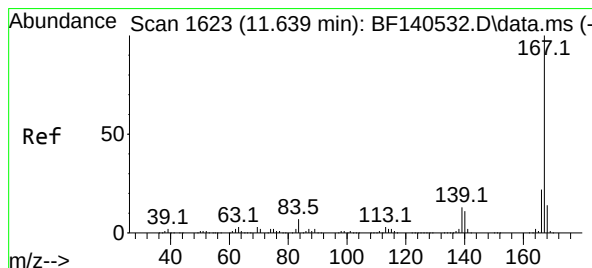
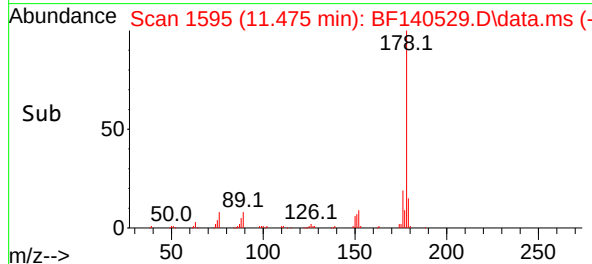
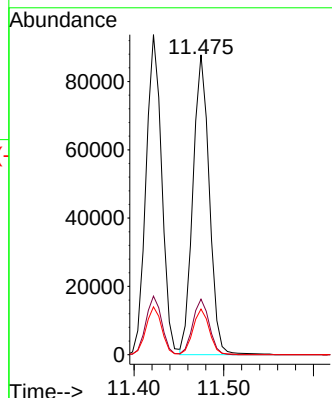
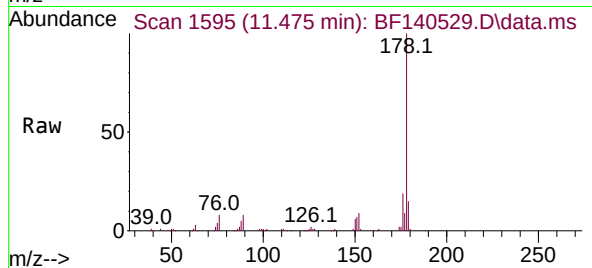




#72
Anthracene
Concen: 5.520 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

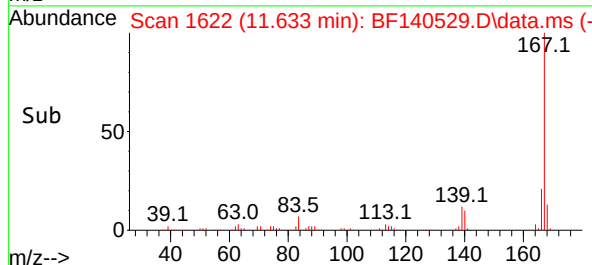
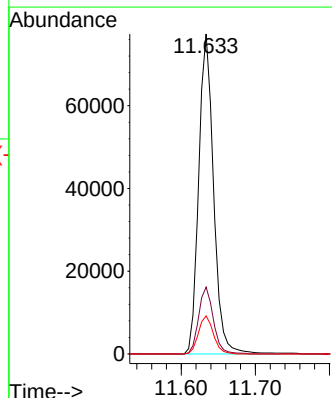
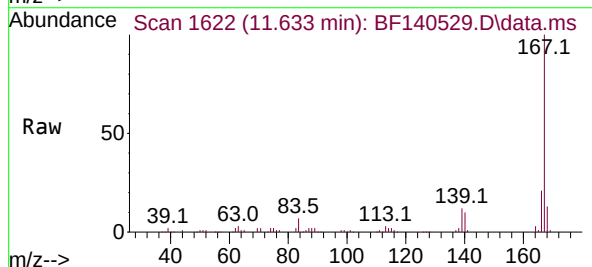
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

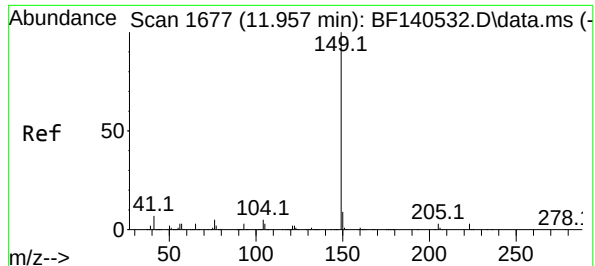
Tgt Ion:178 Resp: 111316
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.2 12.2 18.4



#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

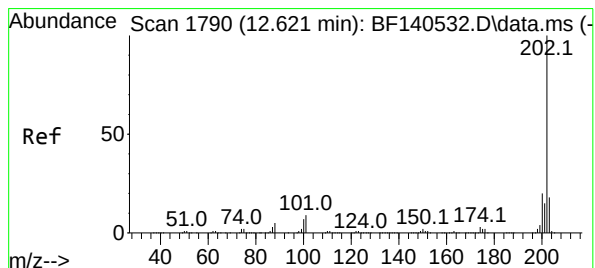
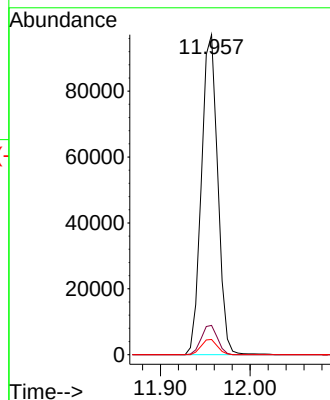
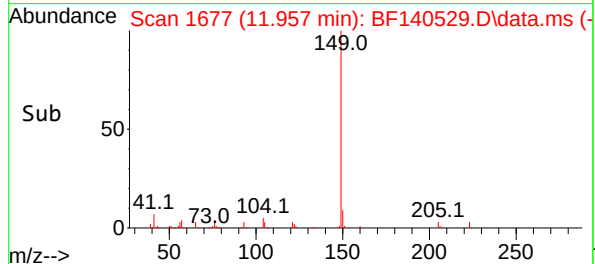
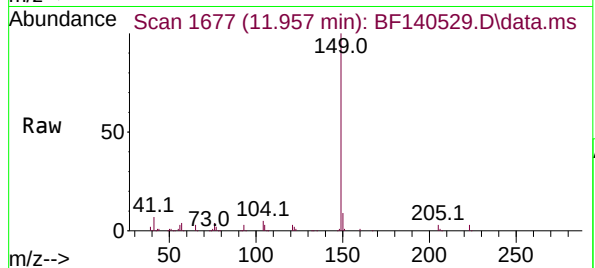




#74
Di-n-butylphthalate
Concen: 5.478 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

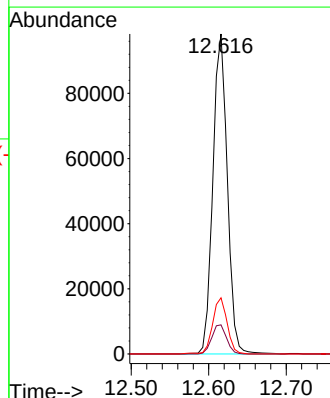
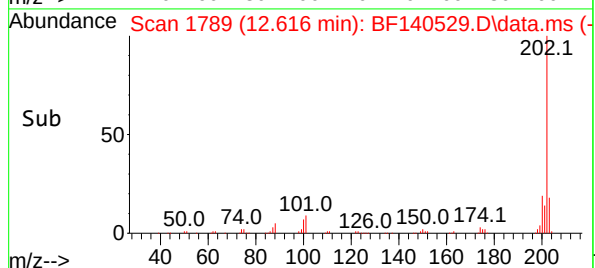
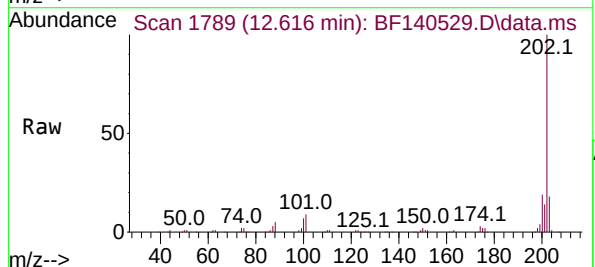
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

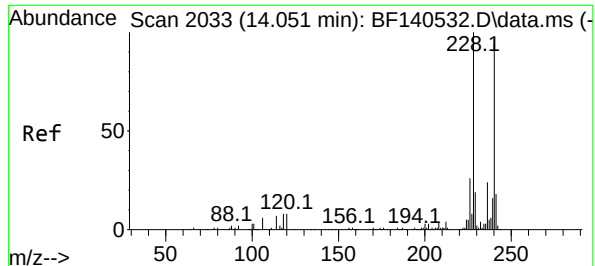
Tgt Ion:149 Resp: 122687
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.7 4.1 6.1



#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

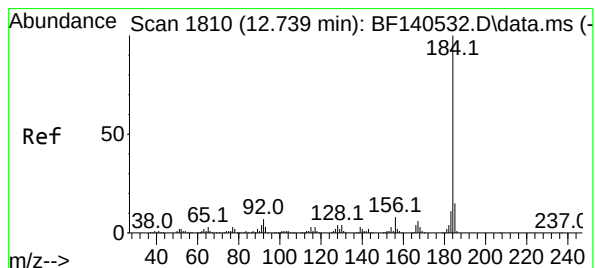
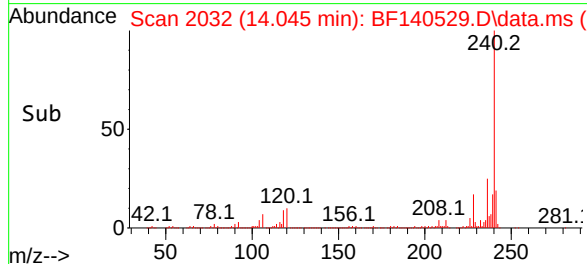
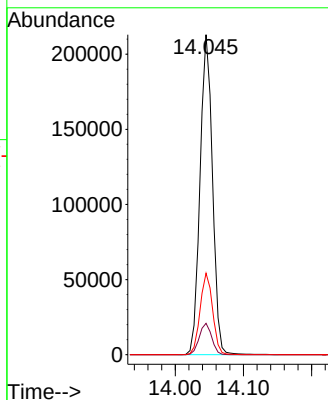
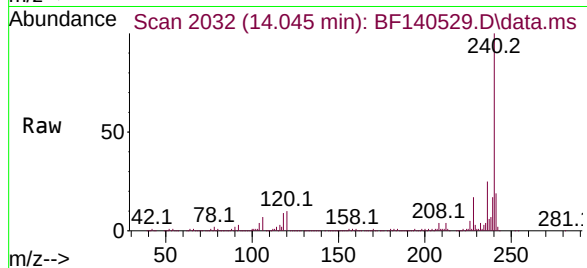




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

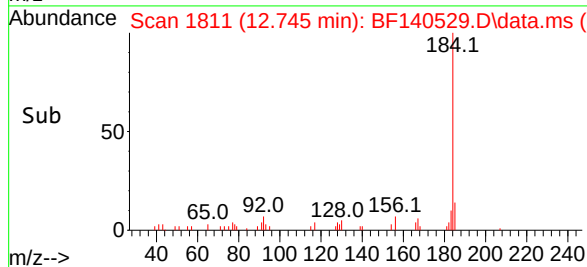
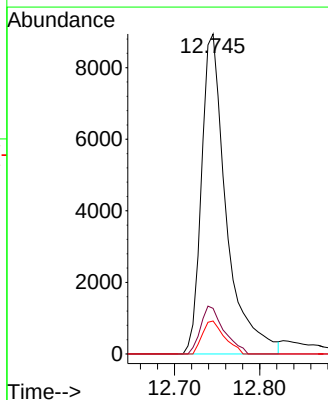
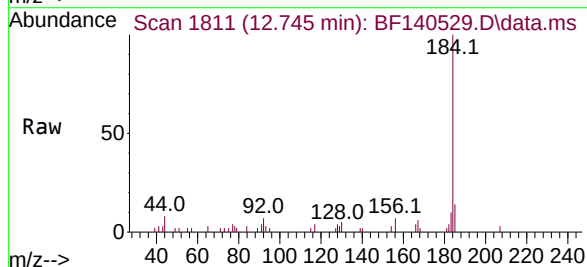
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

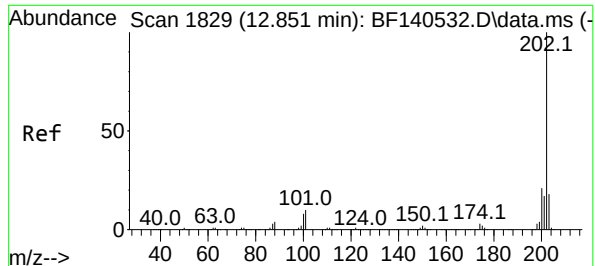
Tgt Ion:240 Resp: 270381
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.5 20.6 31.0



#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

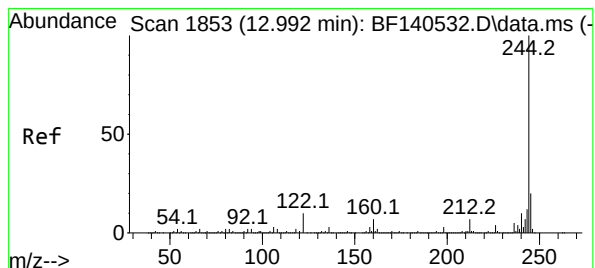
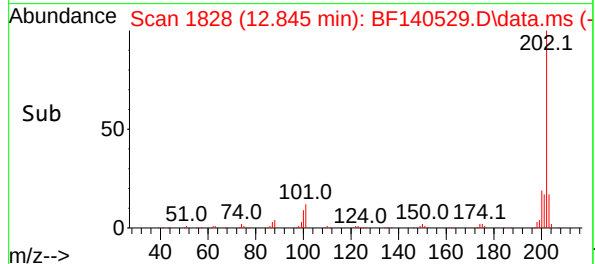
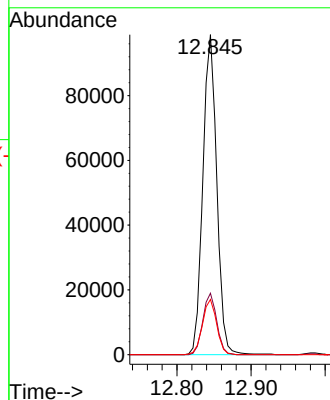
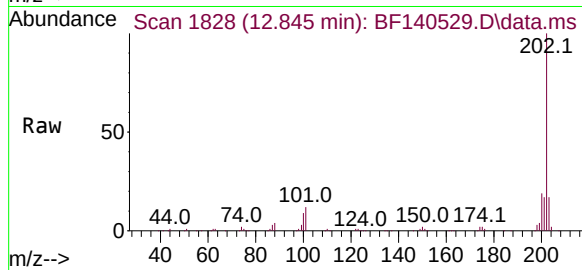




#78
Pyrene
Concen: 5.150 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

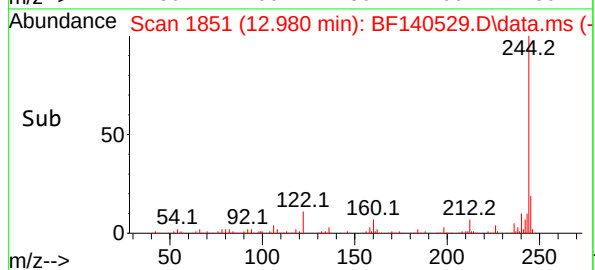
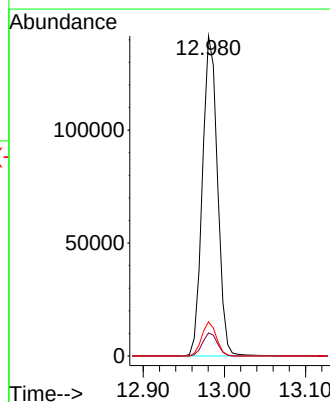
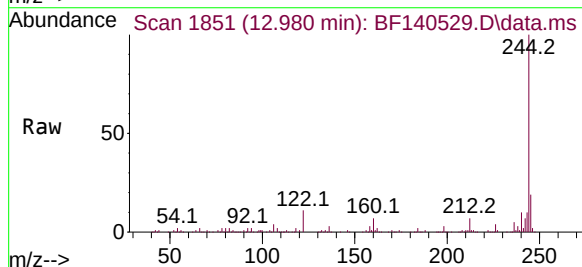
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

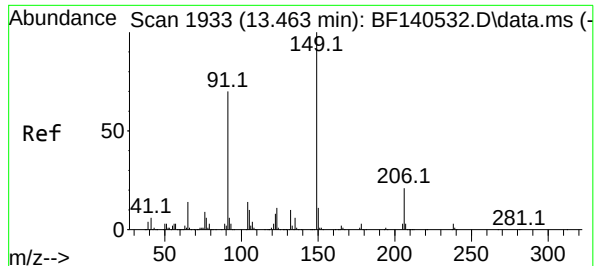
Tgt Ion:202 Resp: 128760
Ion Ratio Lower Upper
202 100
200 19.2 16.5 24.7
203 17.3 14.2 21.4



#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

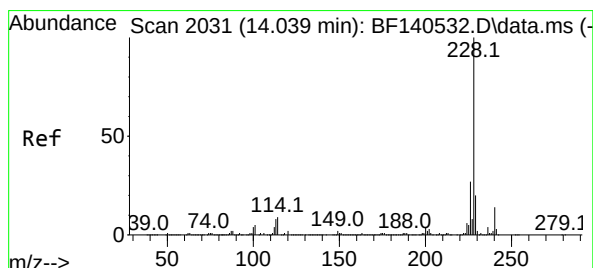
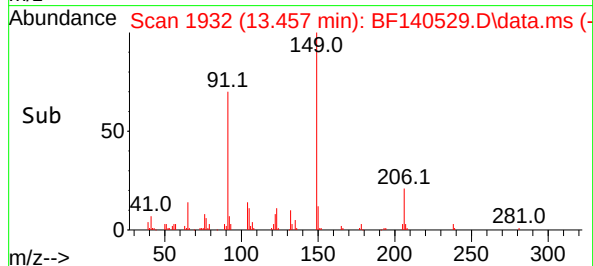
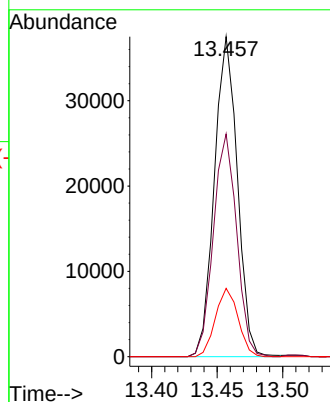
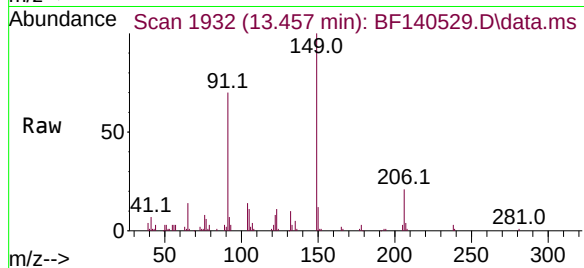
Tgt Ion:149 Resp: 45690

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

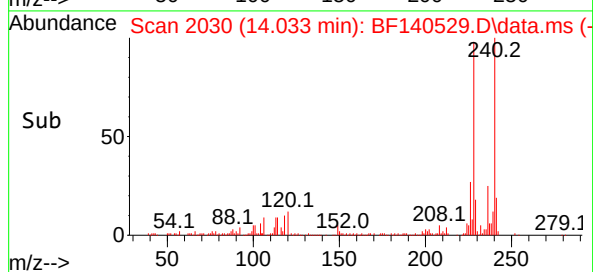
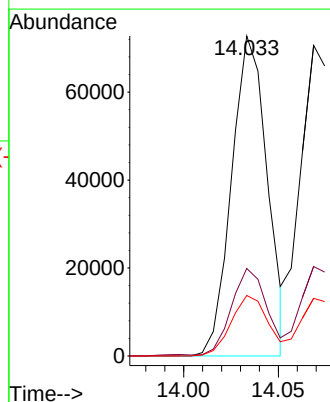
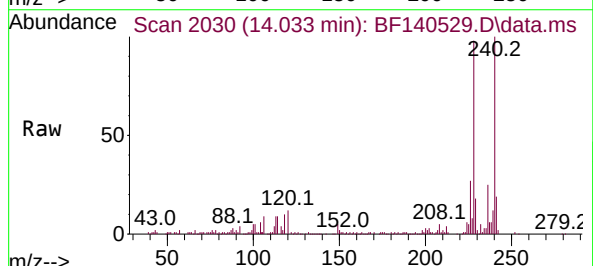
Tgt Ion:228 Resp: 95229

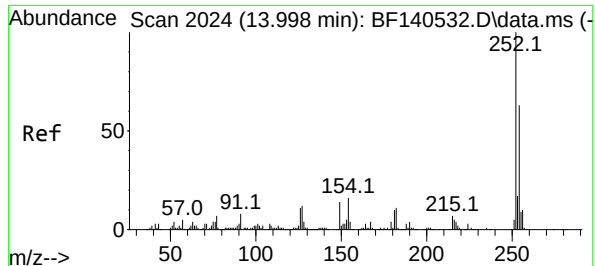
Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 18.9 15.8 23.6

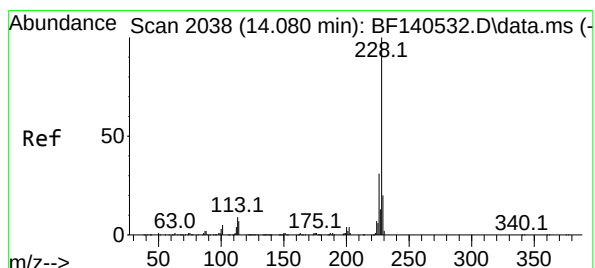
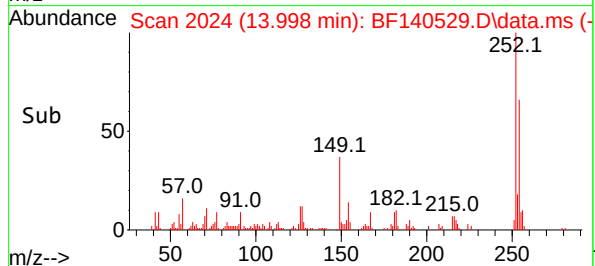
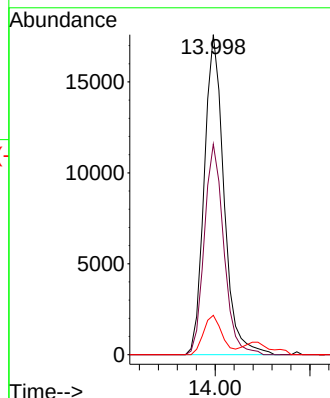
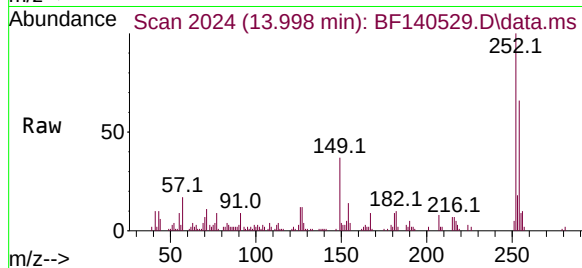




#82
3,3'-Dichlorobenzidine
Concen: 4.712 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

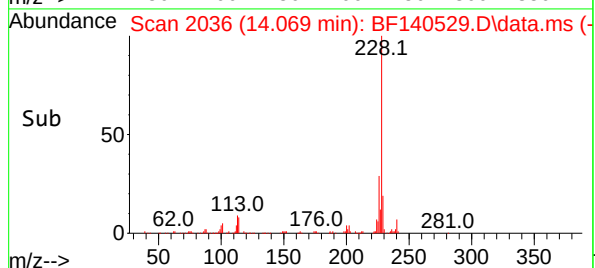
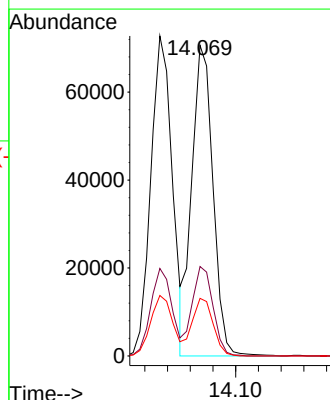
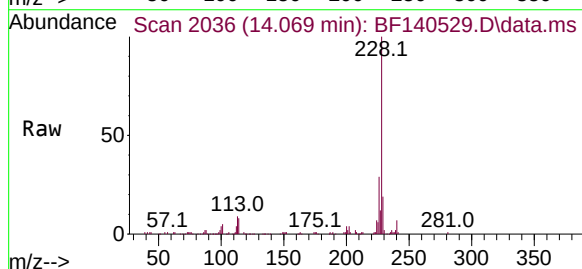
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

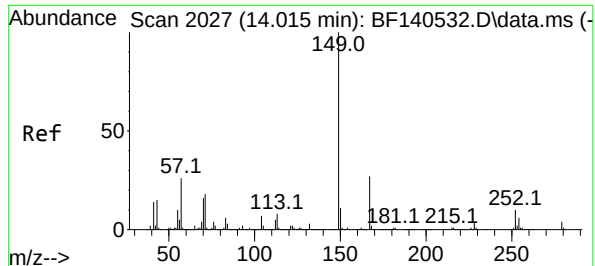
Tgt Ion:252 Resp: 25321
Ion Ratio Lower Upper
252 100
254 65.8 50.8 76.2
126 12.3 8.6 13.0



#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

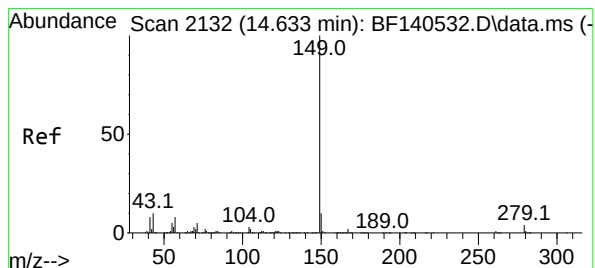
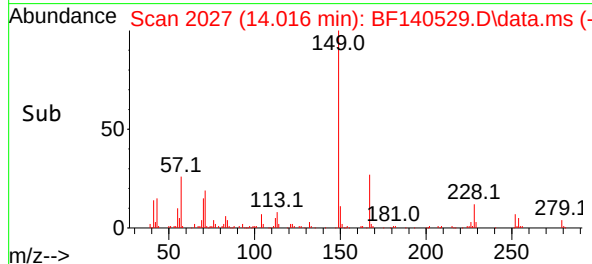
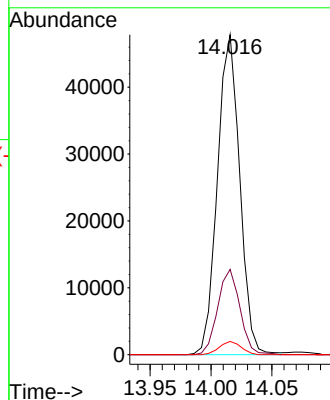
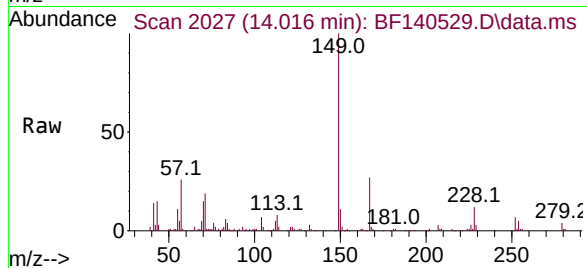




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.371 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

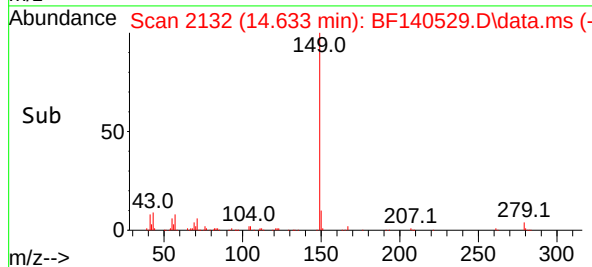
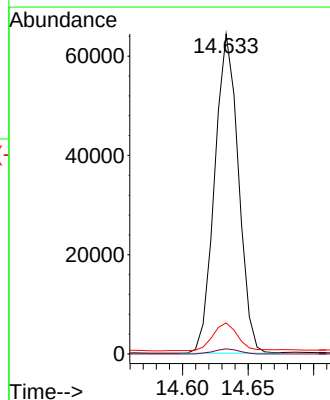
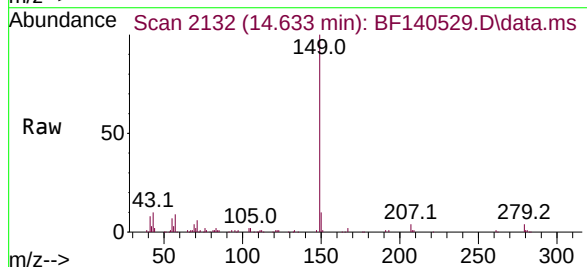
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

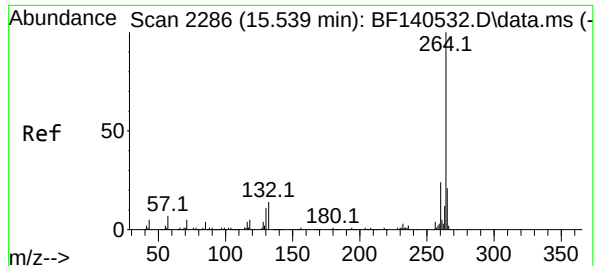
Tgt Ion:149 Resp: 61082
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 4.1 3.2 4.8



#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

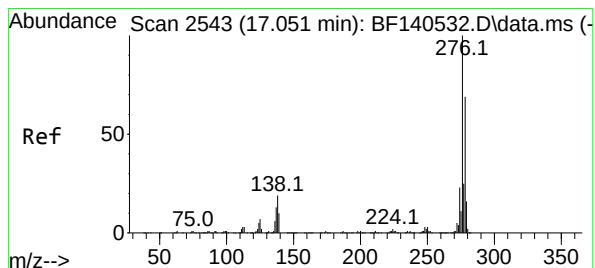
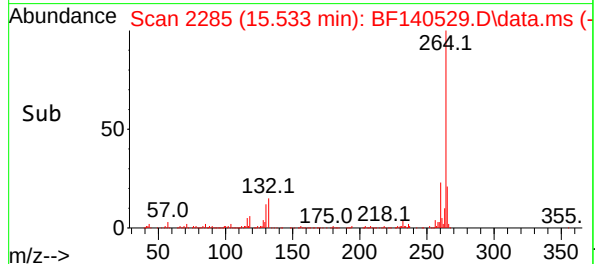
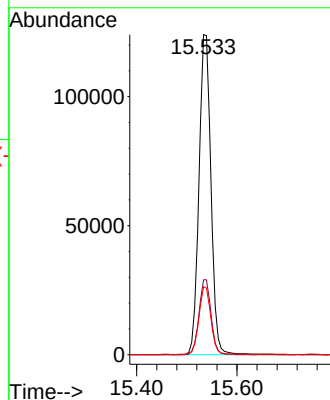
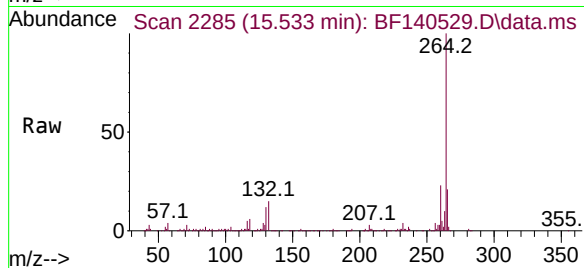




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

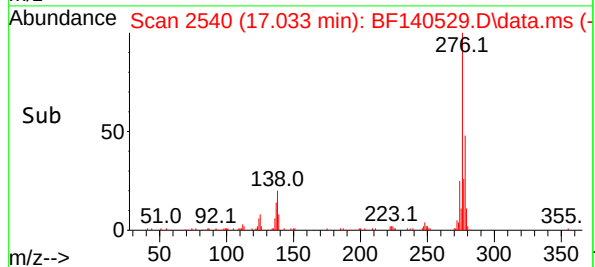
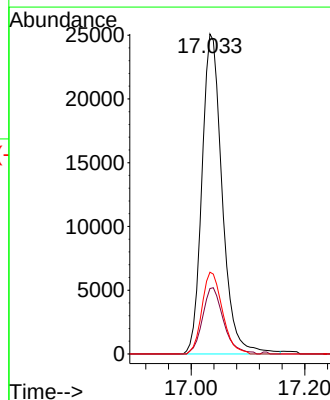
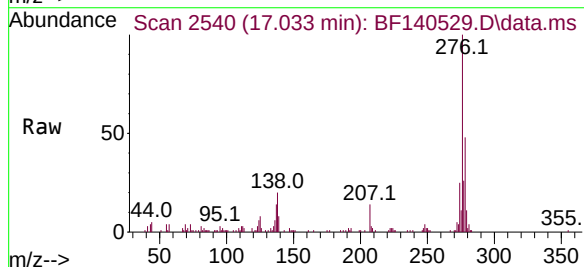
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

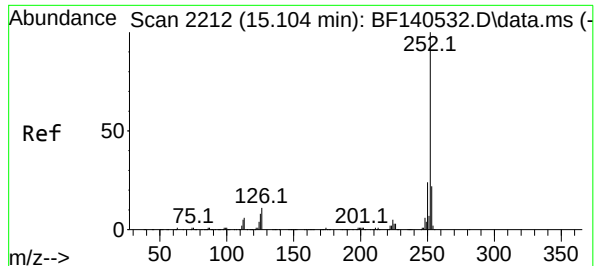
Tgt Ion:264 Resp: 205006
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 21.2 16.6 25.0



#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

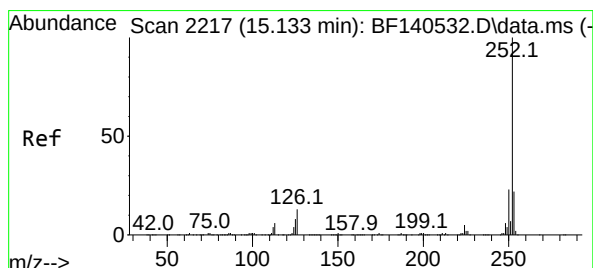
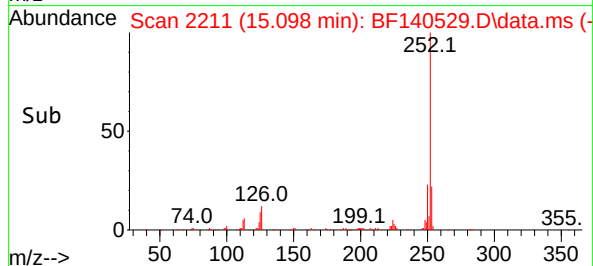
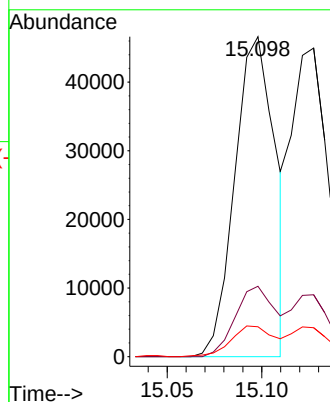
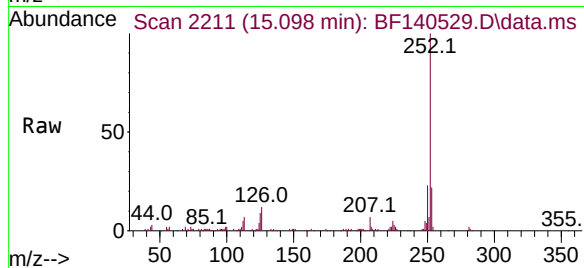
Tgt Ion:252 Resp: 69048

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

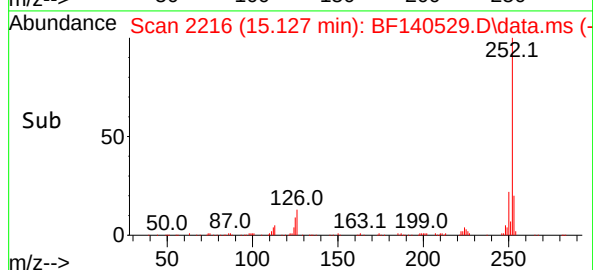
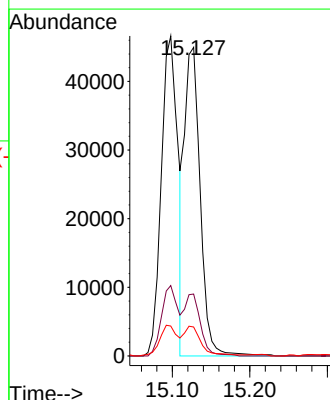
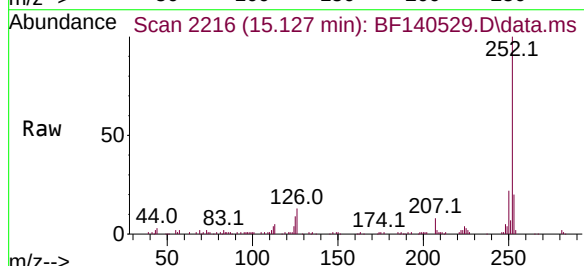
Tgt Ion:252 Resp: 63717

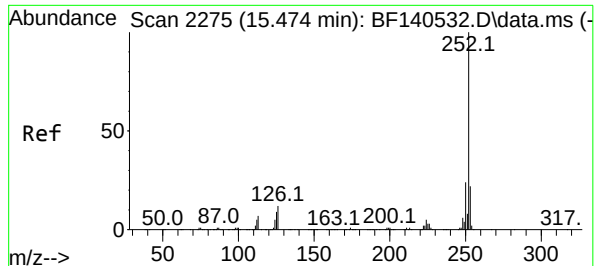
Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

125 9.4 6.5 9.7

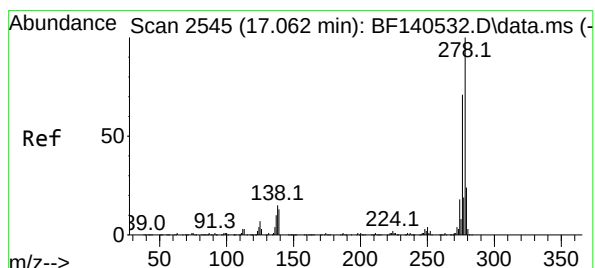
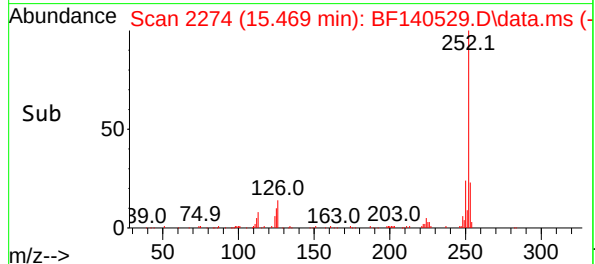
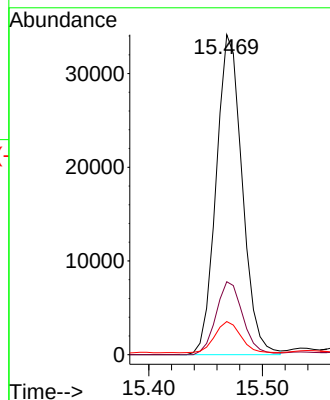
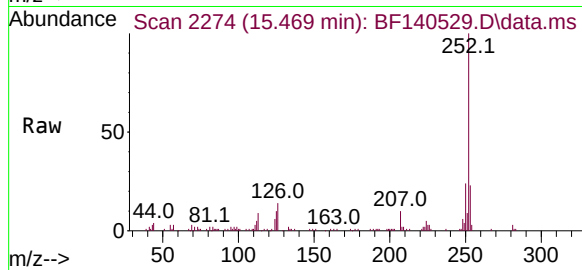




#90
Benzo(a)pyrene
Concen: 5.198 ng
RT: 15.469 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140529.D
Acq: 21 Nov 2024 11:39

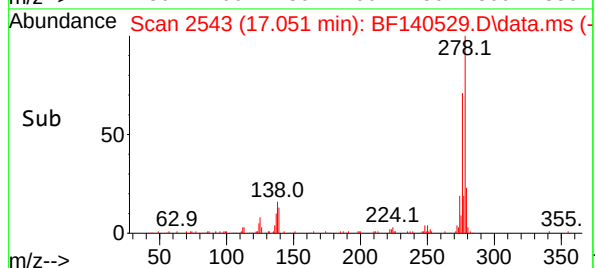
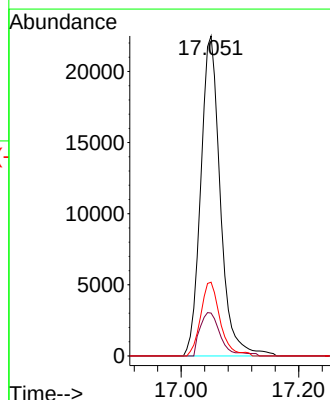
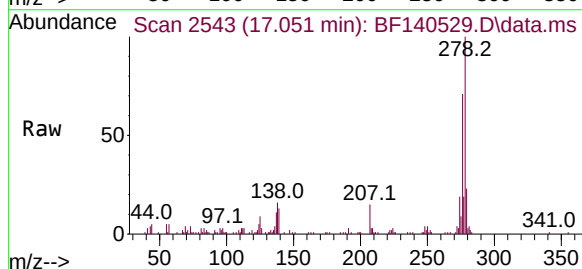
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

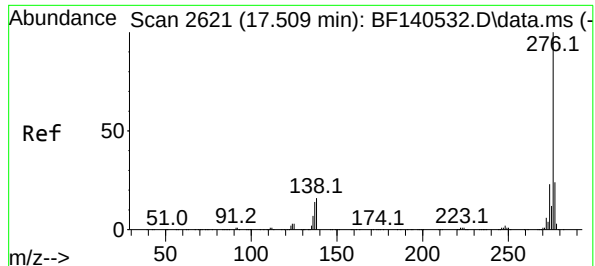
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	10.4	7.0	10.6



#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	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

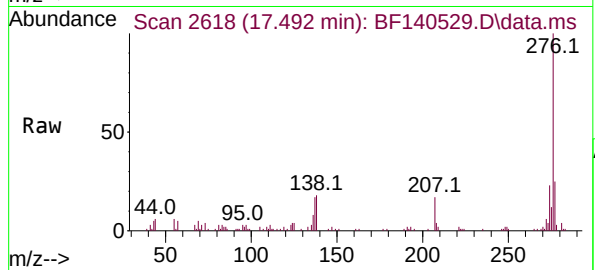
Acq: 21 Nov 2024 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



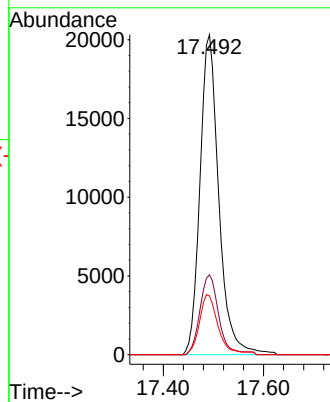
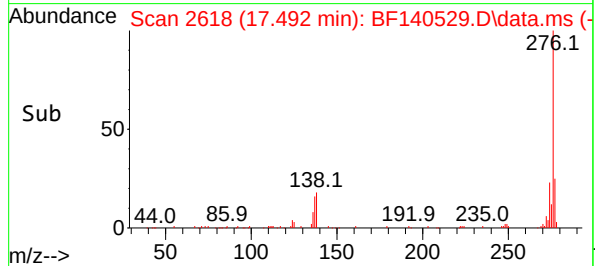
Tgt Ion:276 Resp: 52919

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

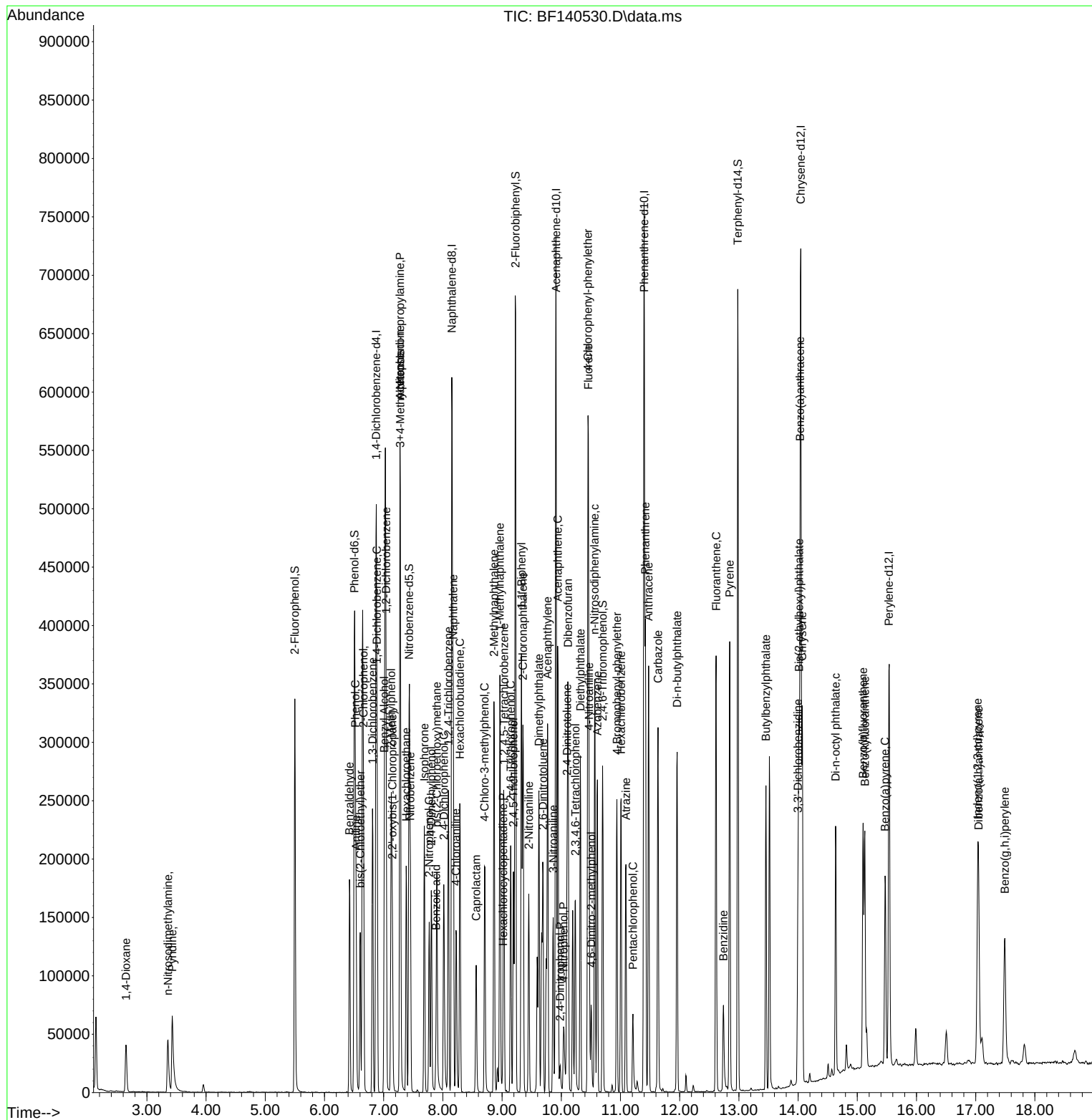
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140530.D
Acq On : 21 Nov 2024 12:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

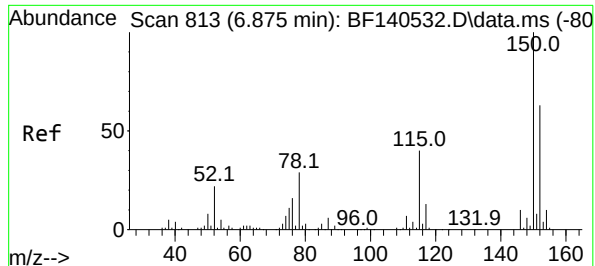
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

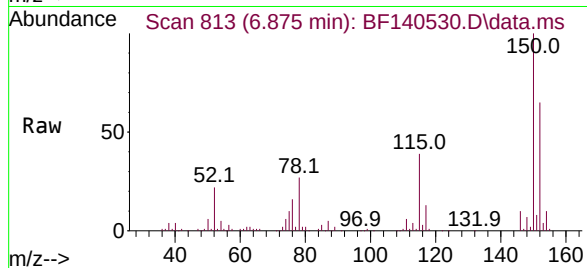
Quant Time: Nov 21 15:10:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#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

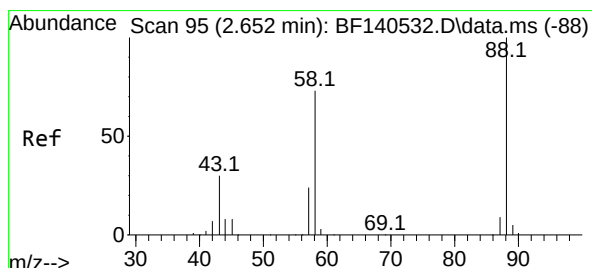
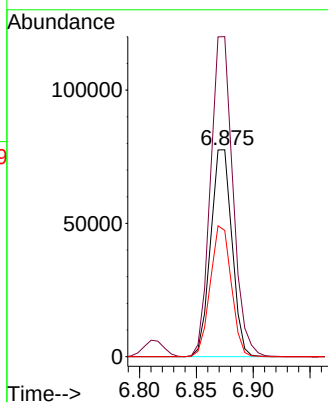
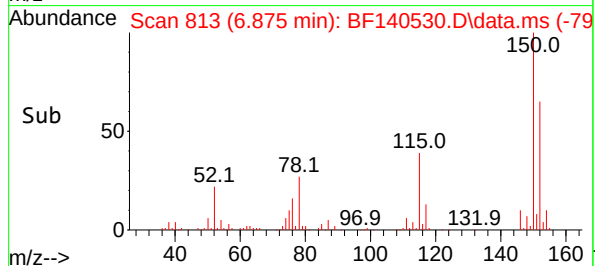
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

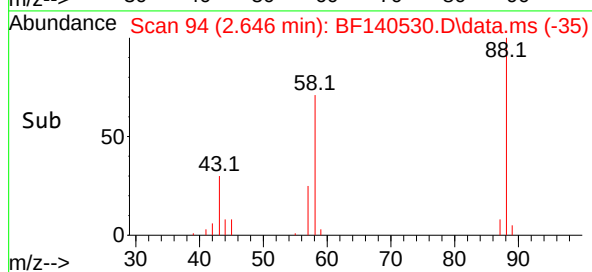
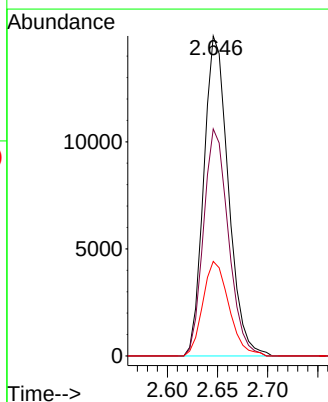
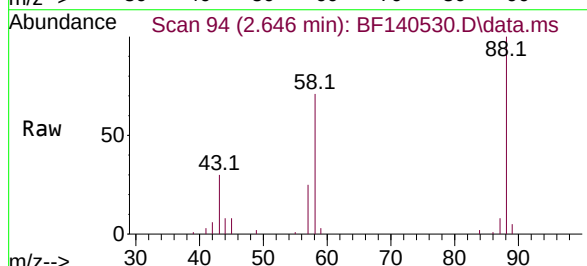
Manual Integrations
APPROVED

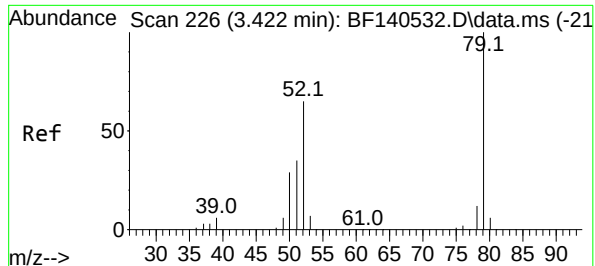
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

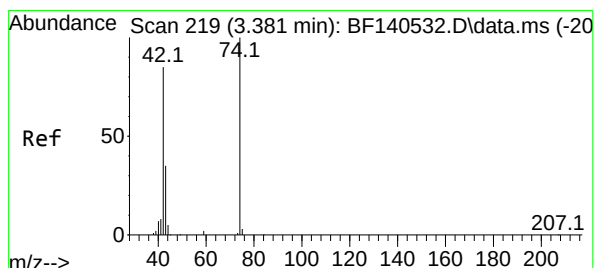
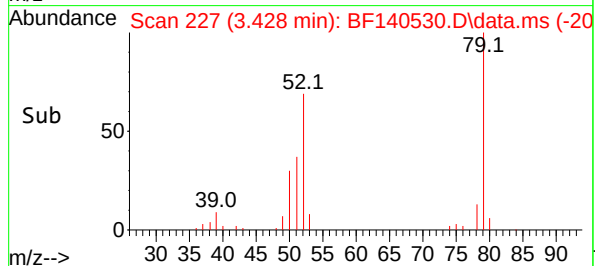
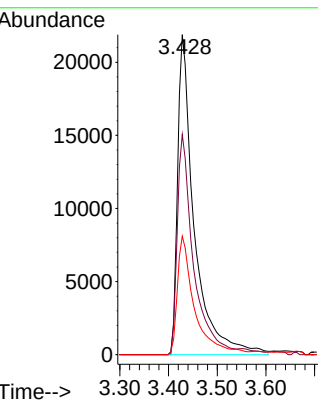
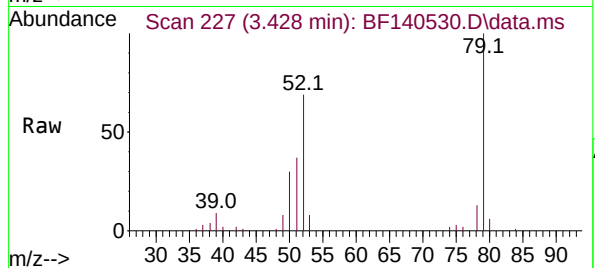
51 37.1 27.8 41.8

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

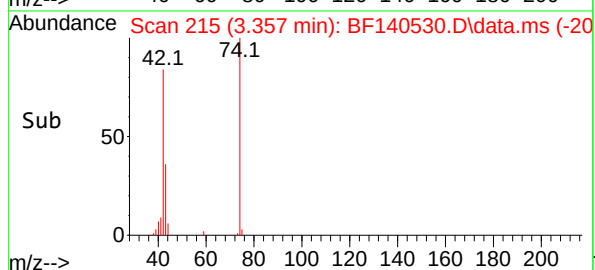
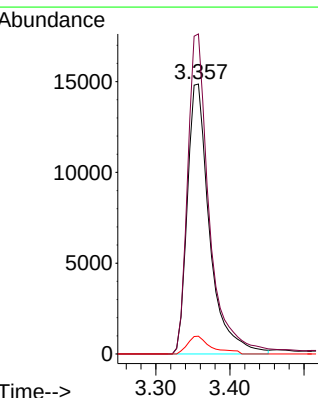
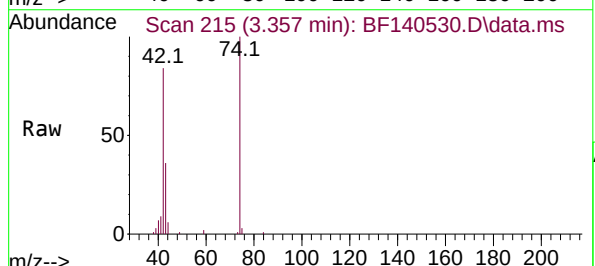
Tgt Ion: 42 Resp: 31093

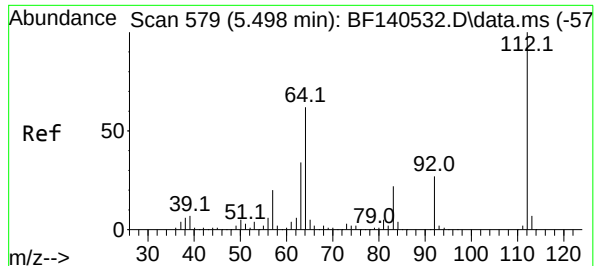
Ion Ratio Lower Upper

42 100

74 118.6 93.8 140.6

44 6.6 4.6 6.8





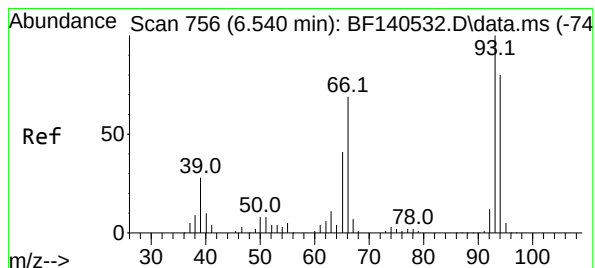
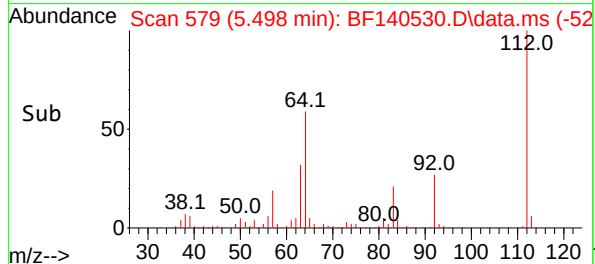
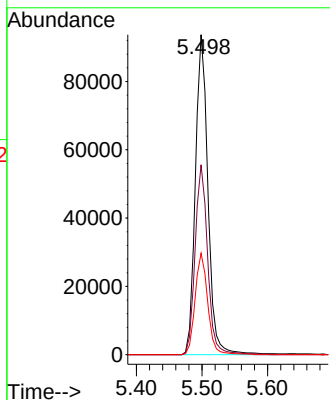
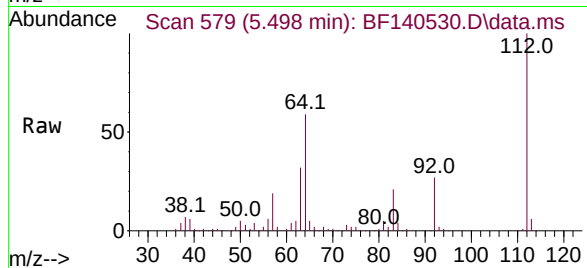
#5
2-Fluorophenol
Concen: 21.035 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

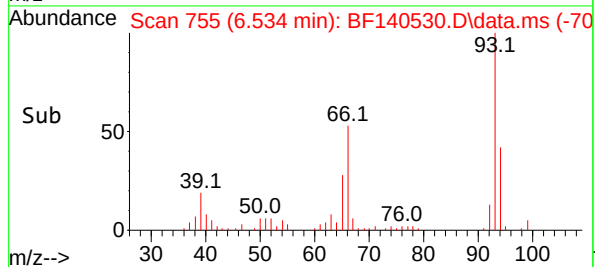
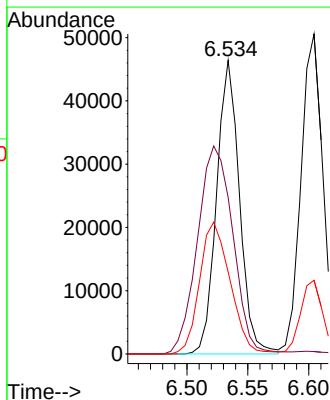
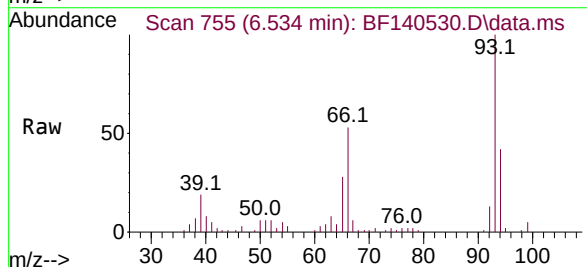
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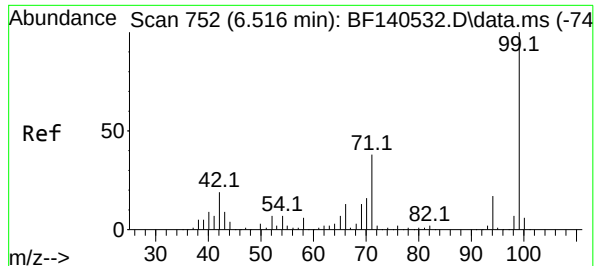
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

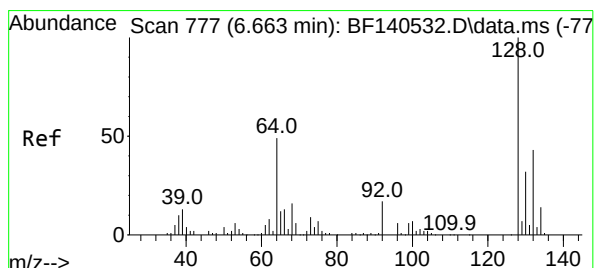
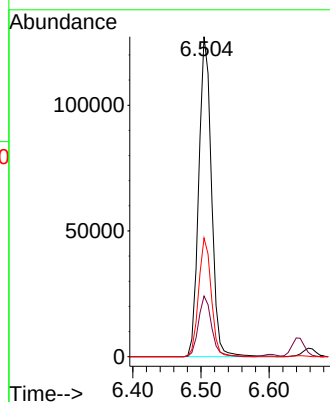
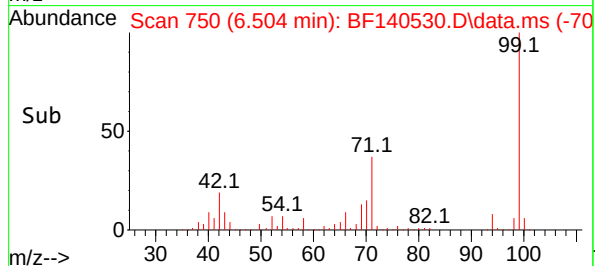
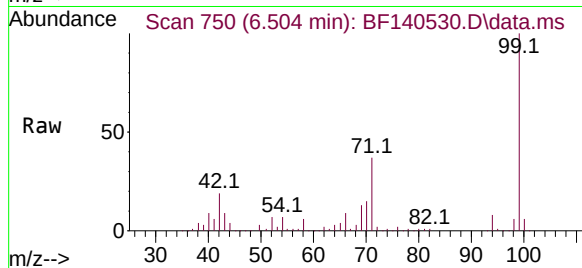
71 37.1 30.6 46.0

Manual Integrations

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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

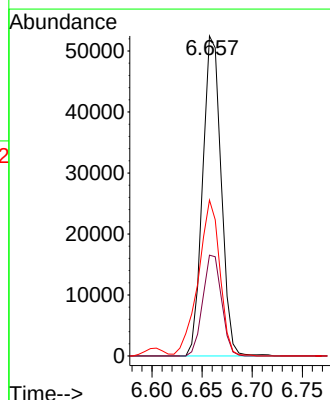
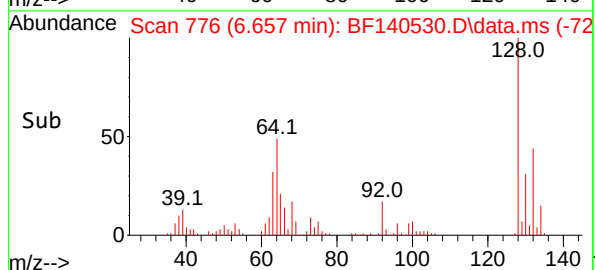
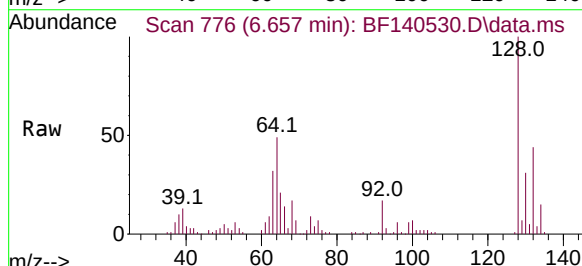
Tgt Ion:128 Resp: 67572

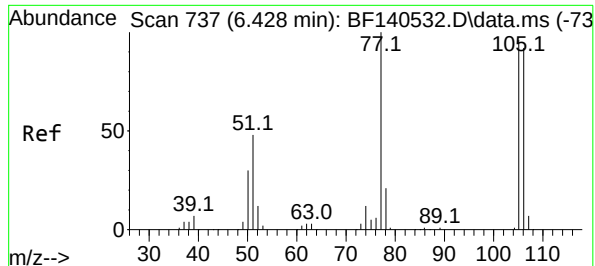
Ion Ratio Lower Upper

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 :

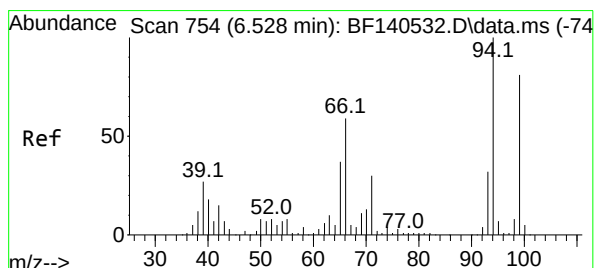
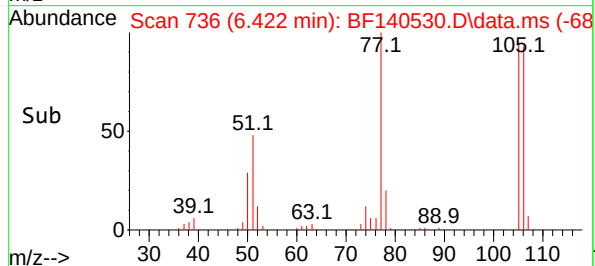
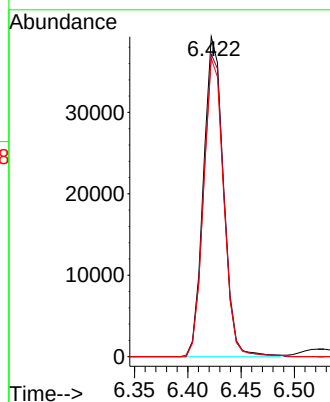
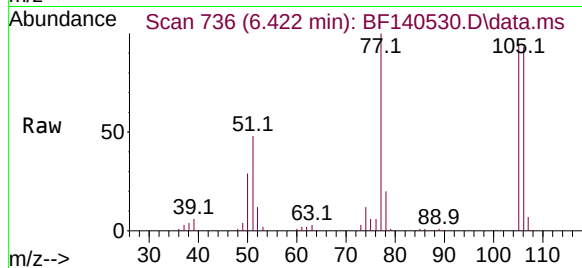
SSTDICC010

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

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



#10

Phenol

Concen: 10.411 ng

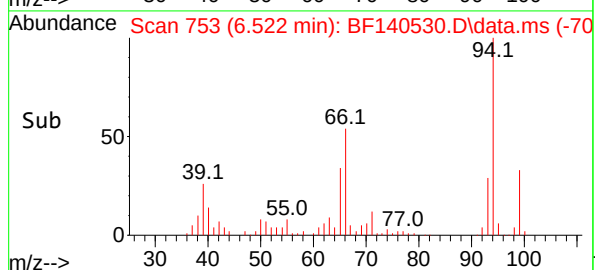
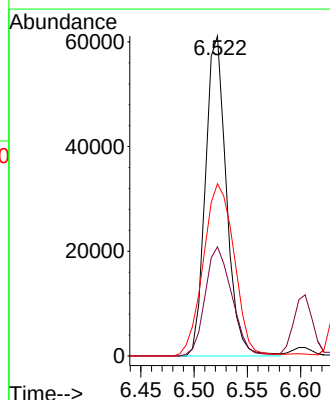
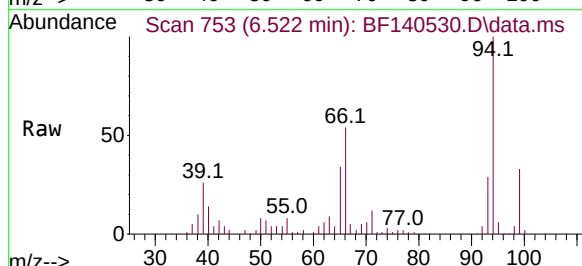
RT: 6.522 min Scan# 753

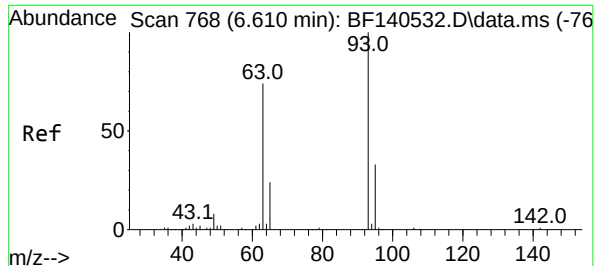
Delta R.T. -0.006 min

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 :

SSTDICC010

Tgt Ion: 93 Resp: 63180

Ion Ratio Lower Upper

93 100

63 72.2 52.8 92.8

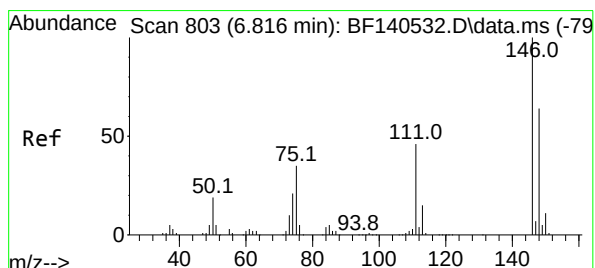
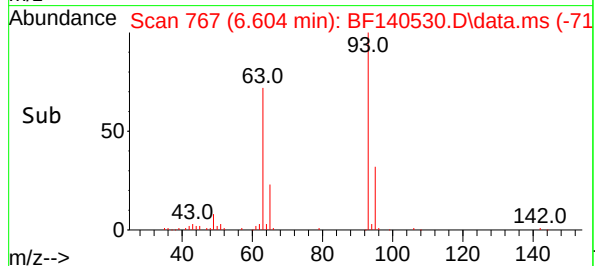
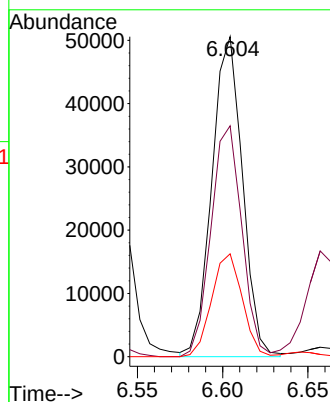
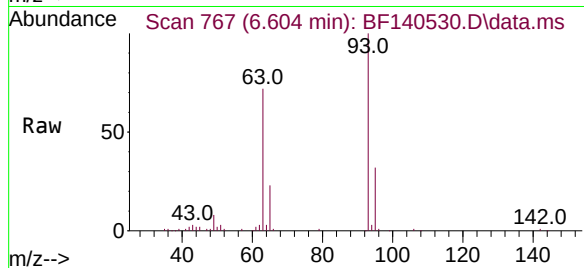
95 32.2 12.3 52.3

Manual Integrations

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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

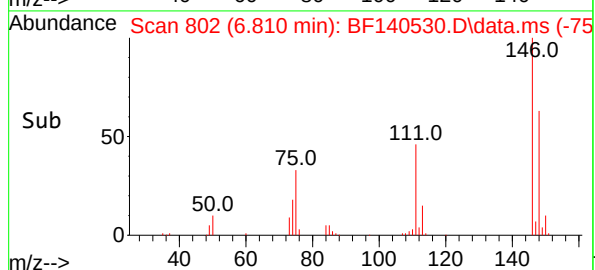
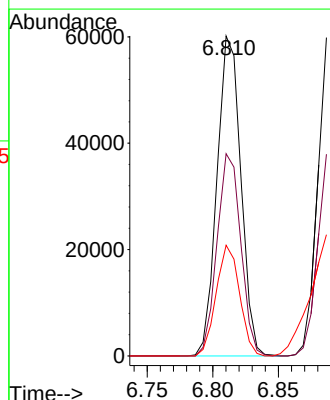
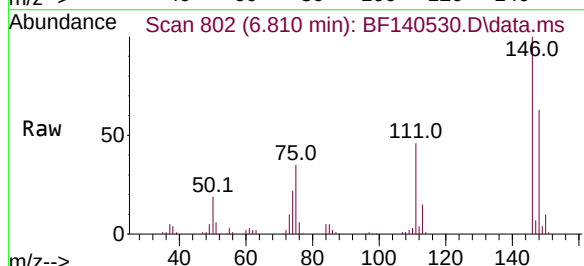
Tgt Ion:146 Resp: 75941

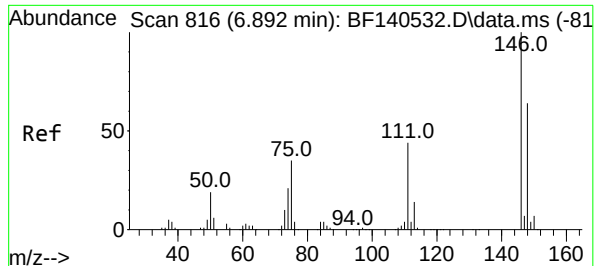
Ion Ratio Lower Upper

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

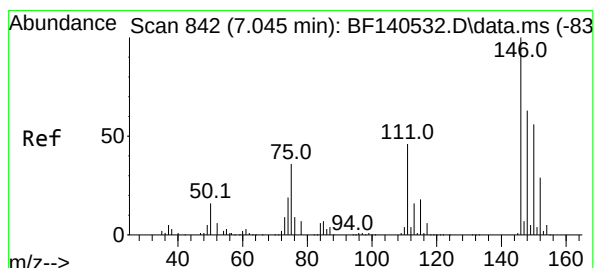
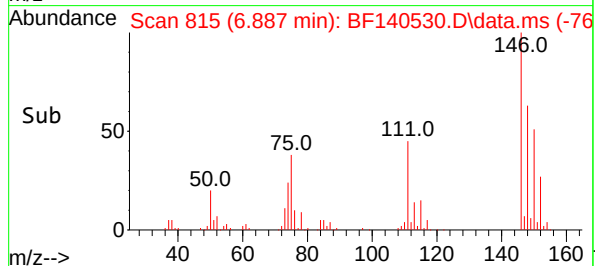
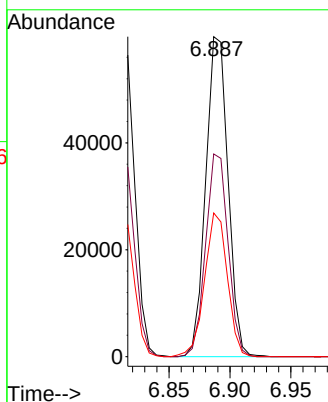
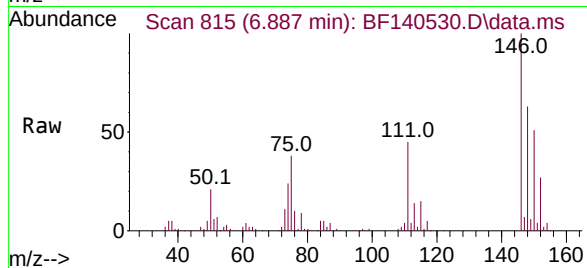
111 44.9 35.3 52.9

Manual Integrations

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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

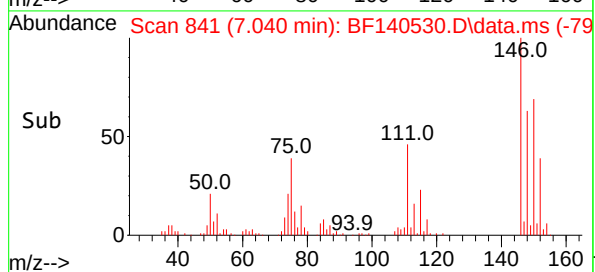
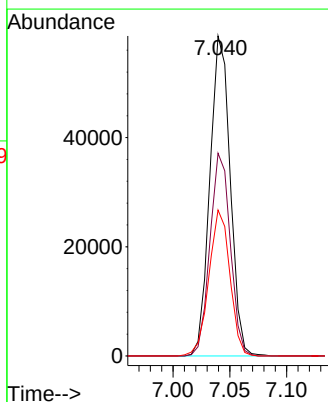
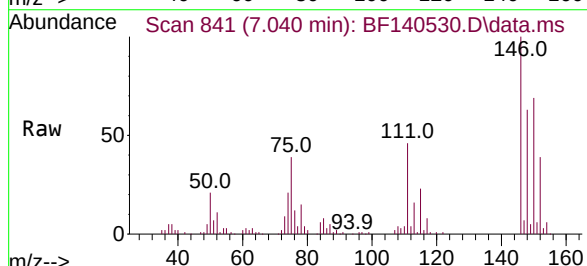
Tgt Ion:146 Resp: 72962

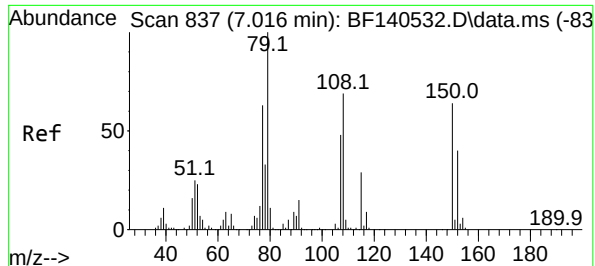
Ion Ratio Lower Upper

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

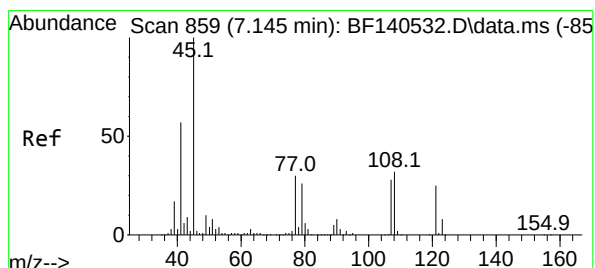
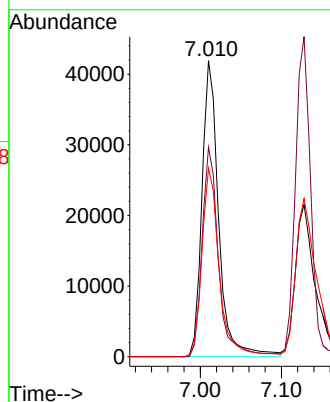
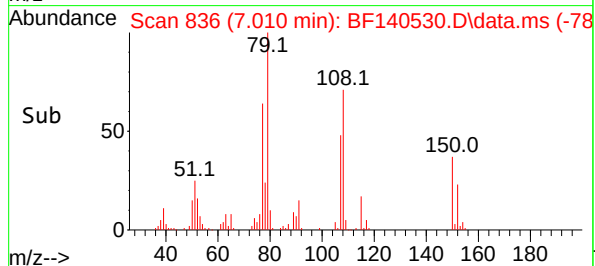
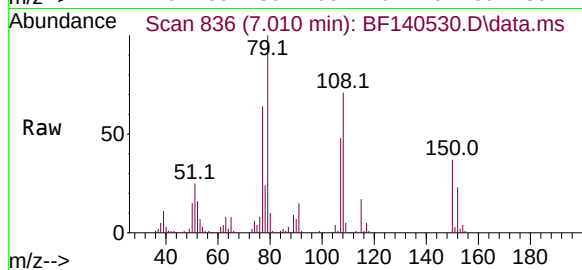
77 63.7 50.1 75.1

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

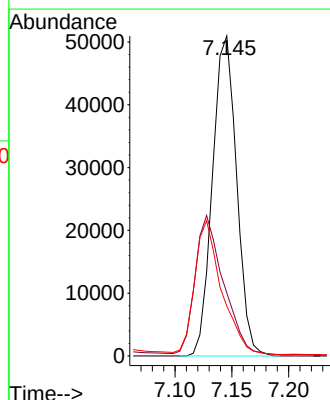
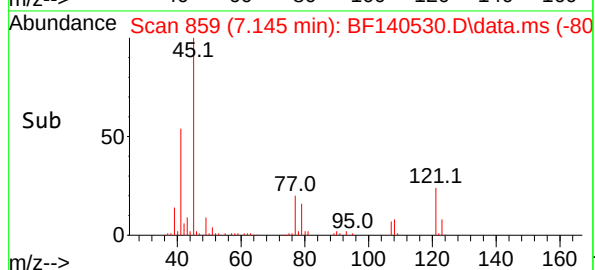
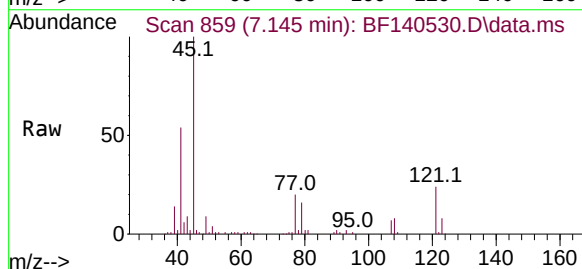
Tgt Ion: 45 Resp: 75295

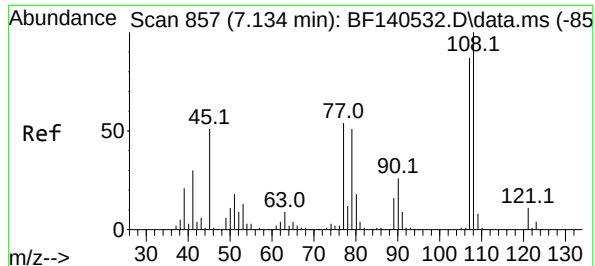
Ion Ratio Lower Upper

45 100

77 19.7 10.7 50.7

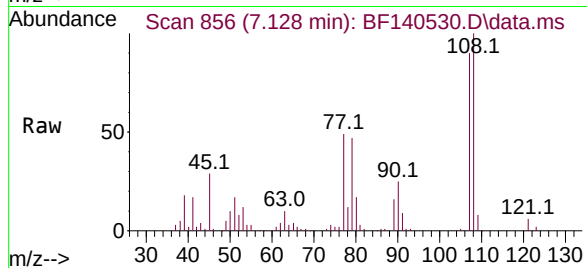
79 15.6 7.0 47.0





#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

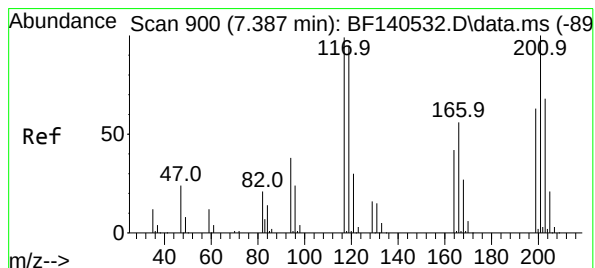
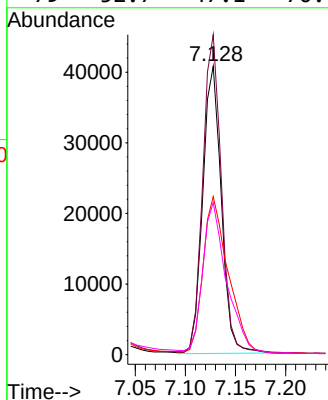
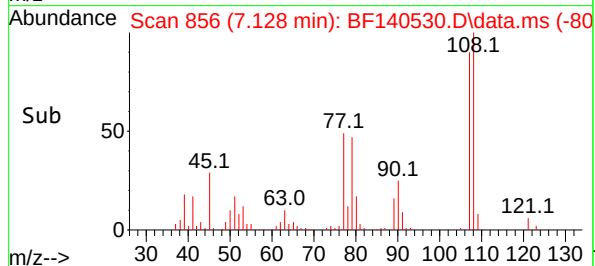
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



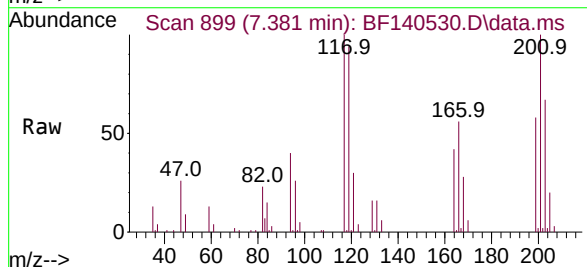
Tgt Ion:107 Resp: 52599
Ion Ratio Lower Upper
107 100
108 110.9 91.7 137.5
77 54.8 49.3 73.9
79 52.7 47.1 70.7

Manual Integrations
APPROVED

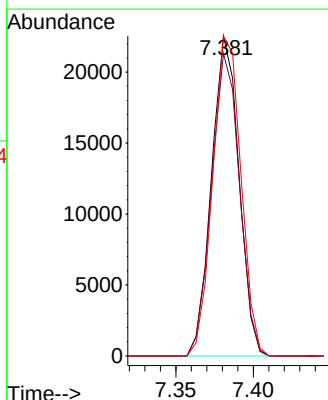
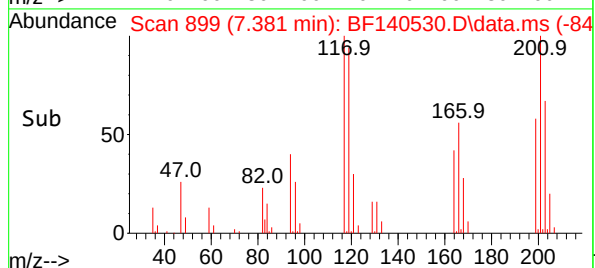
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

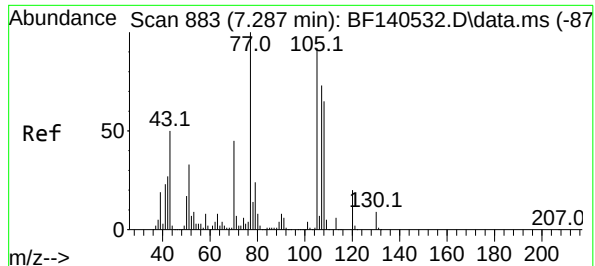


#18
Hexachloroethane
Concen: 10.165 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



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

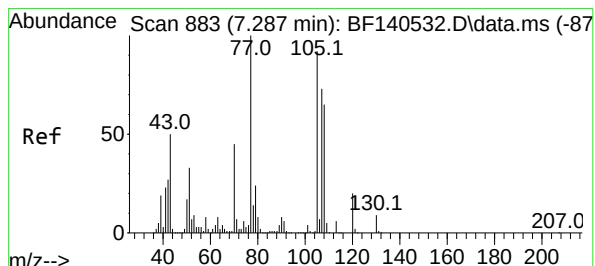
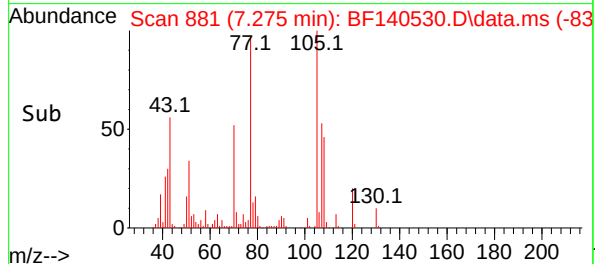
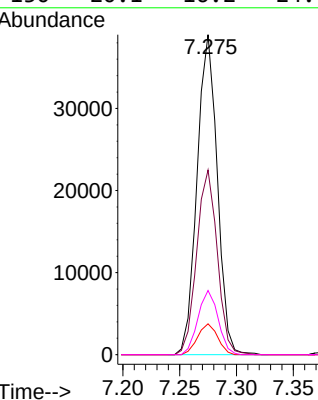
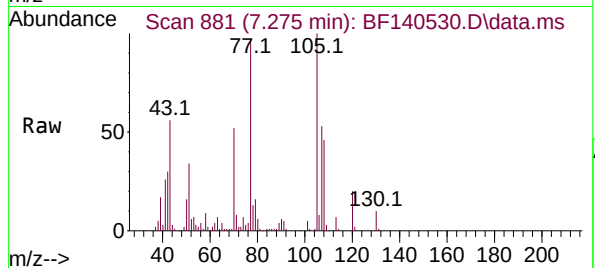
130 20.1 16.2 24.4

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

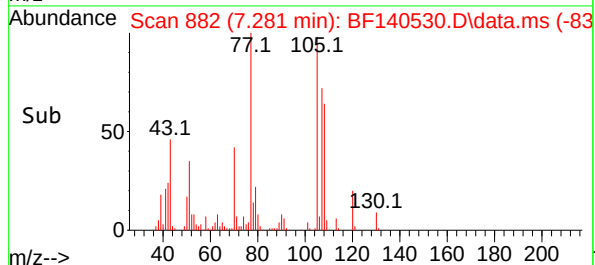
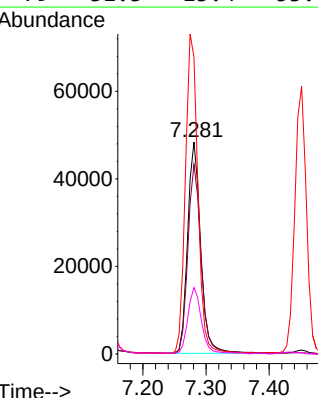
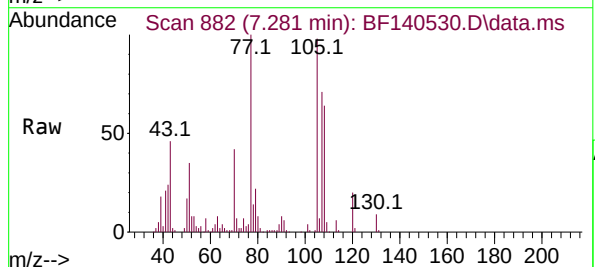
Ion Ratio Lower Upper

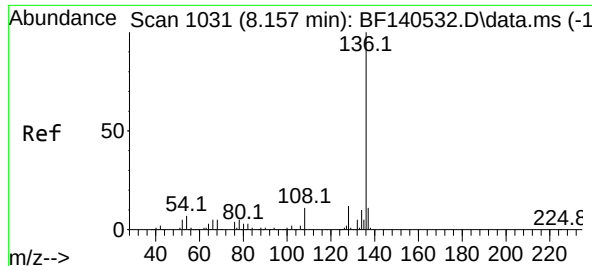
107 100

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

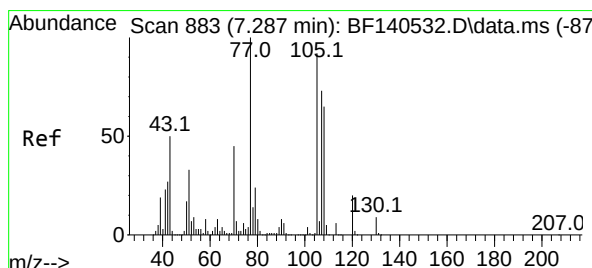
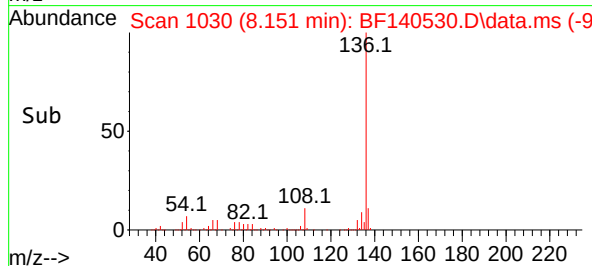
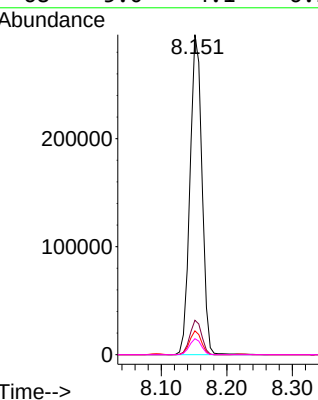
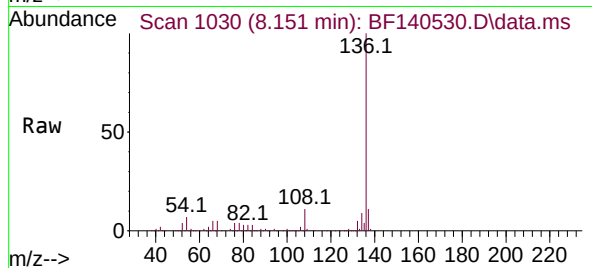
68 5.0 4.1 6.1

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

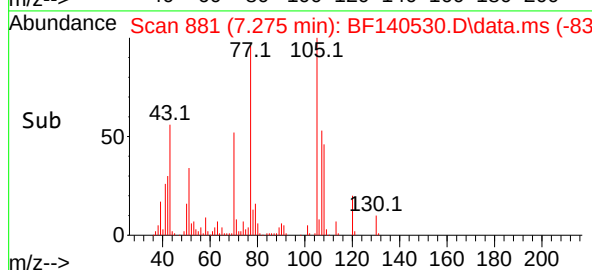
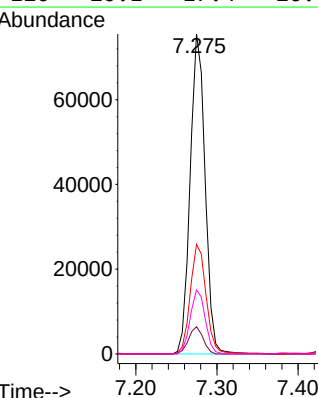
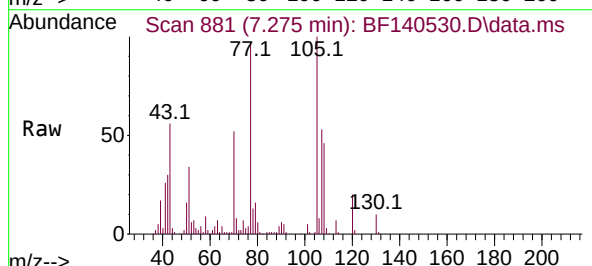
Ion Ratio Lower Upper

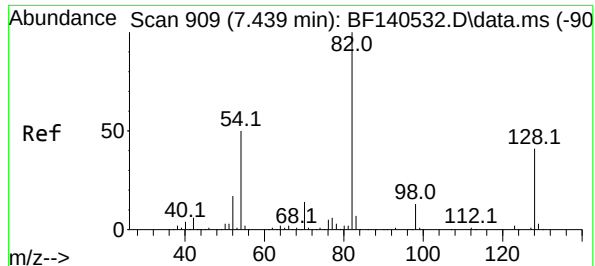
105 100

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

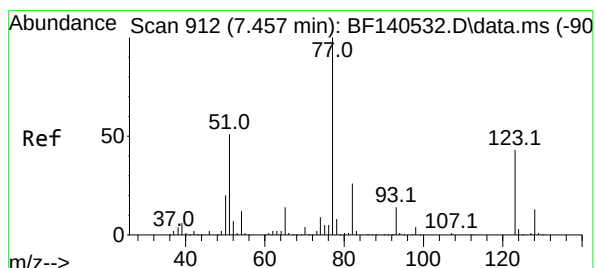
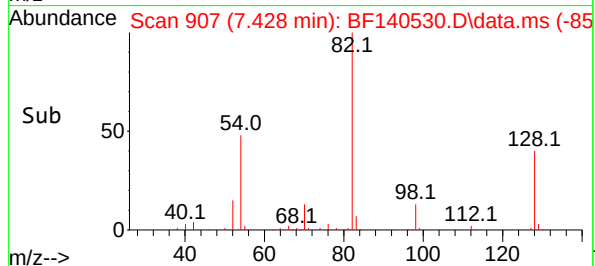
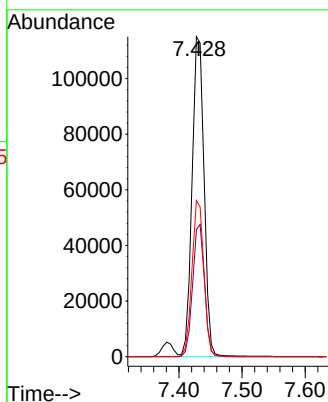
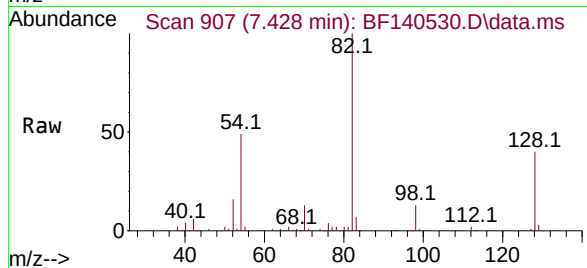
54 48.8 39.5 59.3

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

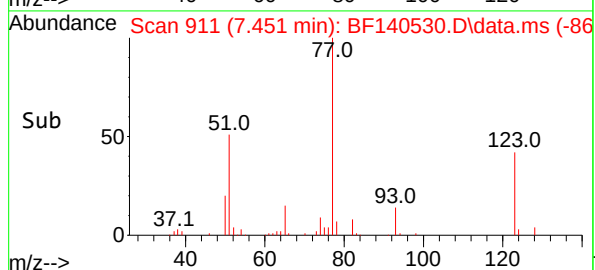
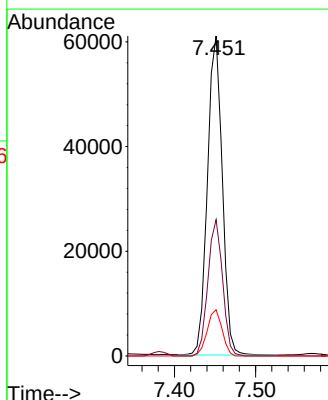
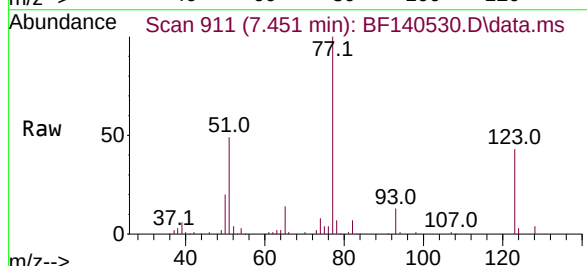
Tgt Ion: 77 Resp: 77259

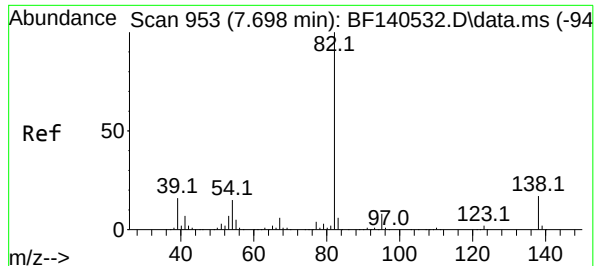
Ion Ratio Lower Upper

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

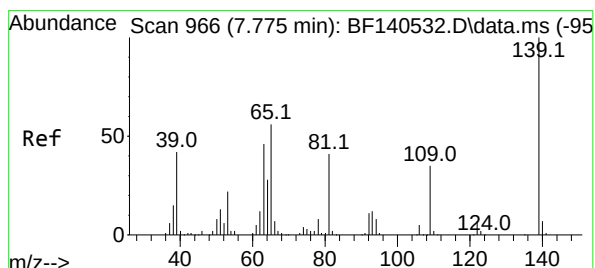
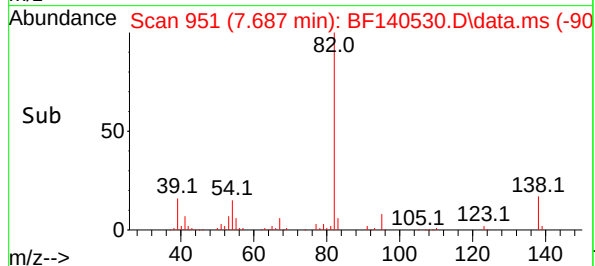
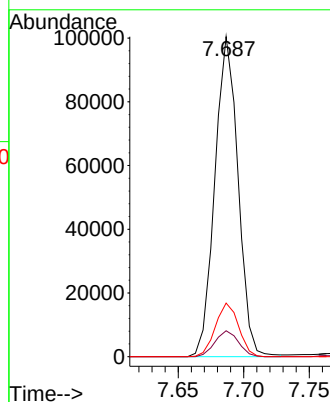
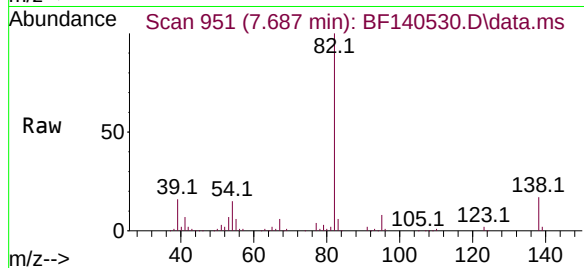
138 16.7 13.8 20.6

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

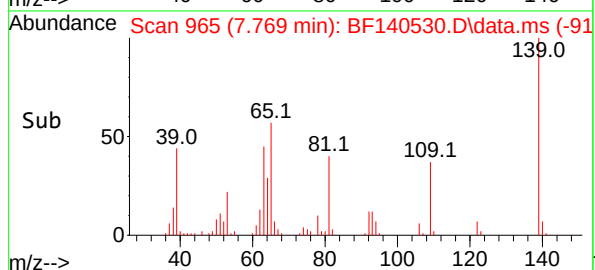
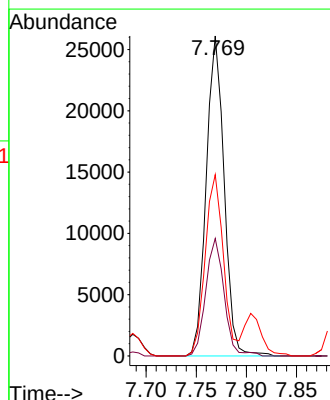
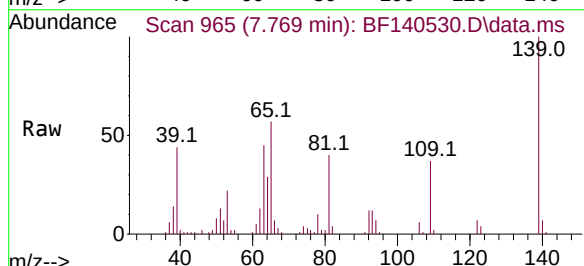
Tgt Ion:139 Resp: 32564

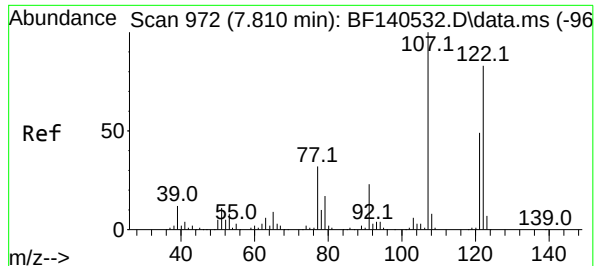
Ion Ratio Lower Upper

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 :

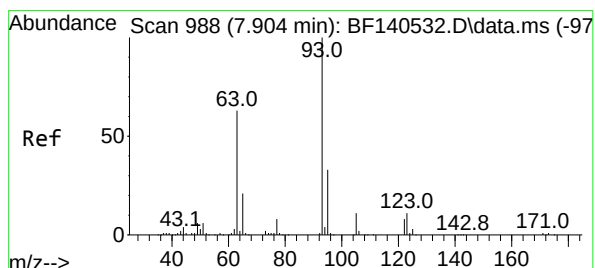
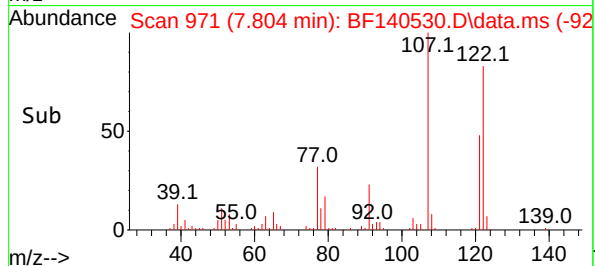
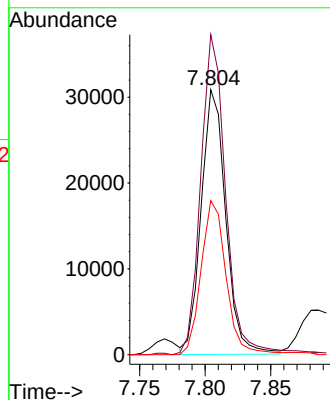
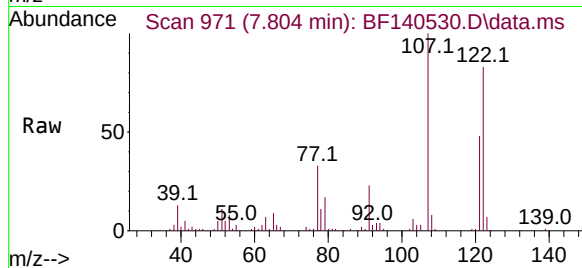
SSTDICC010

Tgt Ion	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

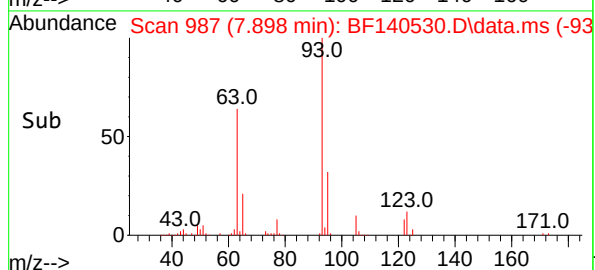
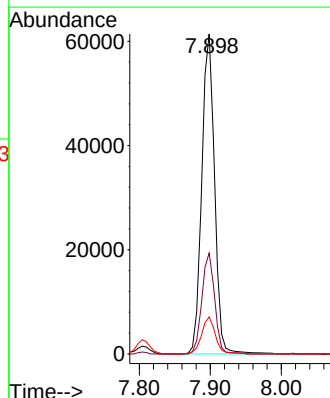
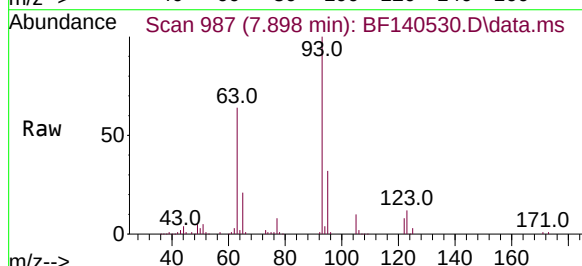
RT: 7.898 min Scan# 987

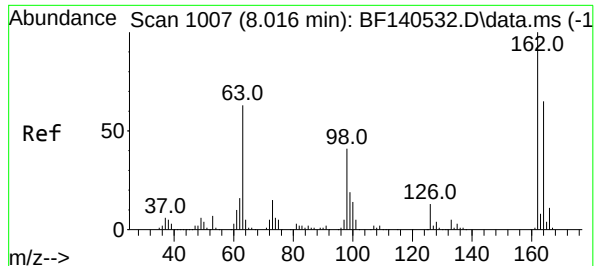
Delta R.T. -0.006 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

Tgt Ion	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 :

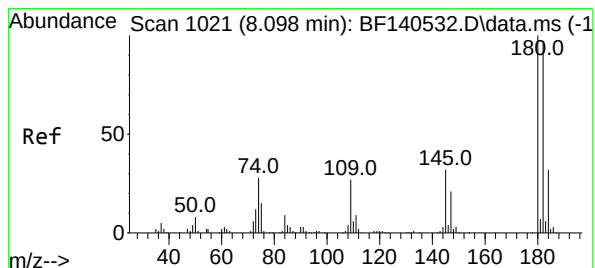
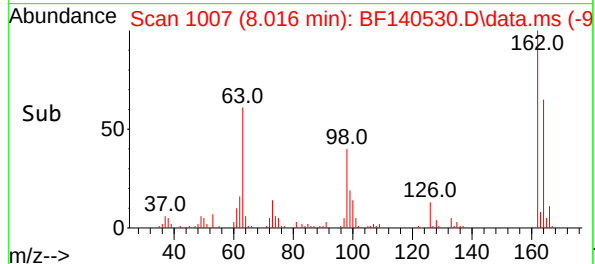
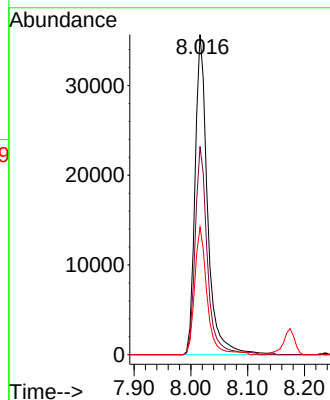
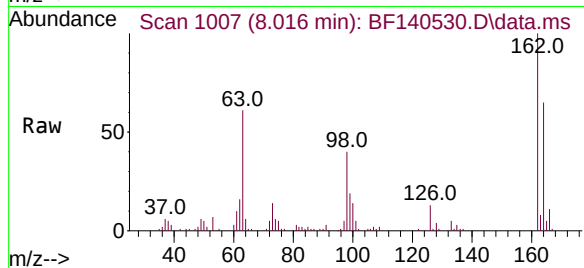
SSTDICC010

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

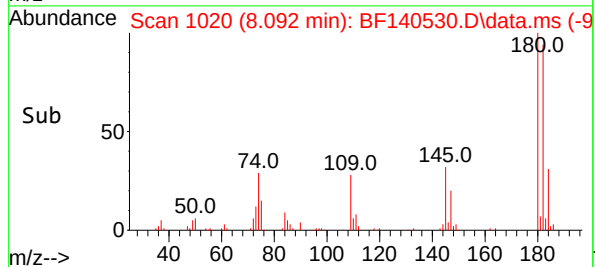
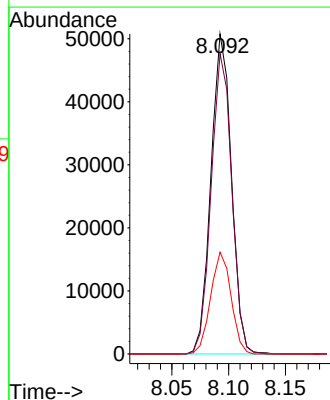
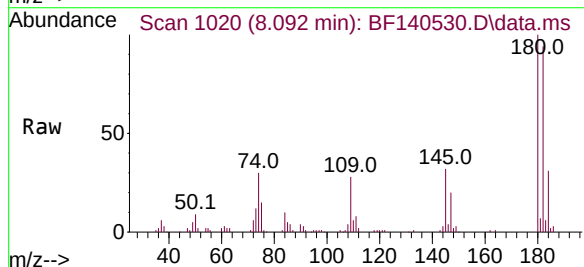
RT: 8.092 min Scan# 1020

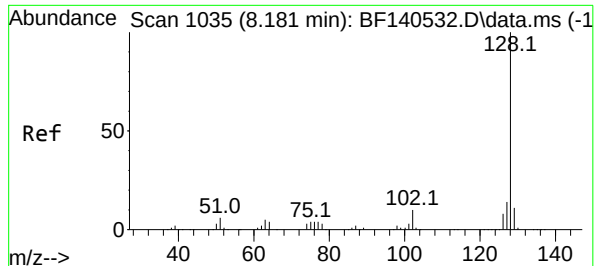
Delta R.T. -0.006 min

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





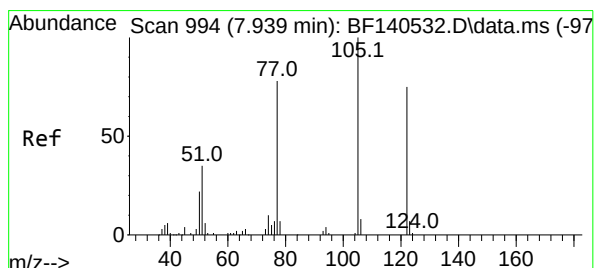
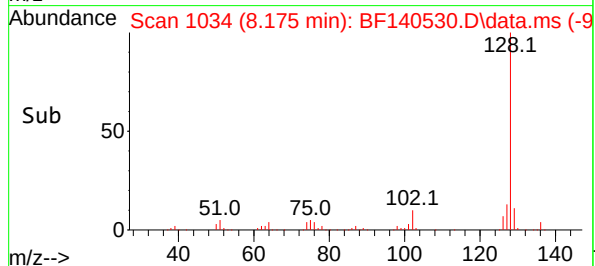
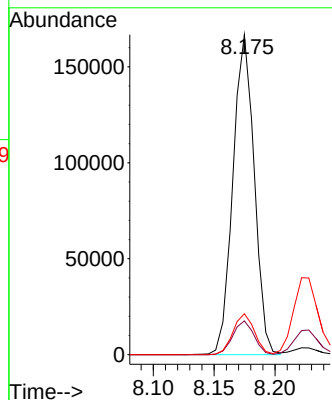
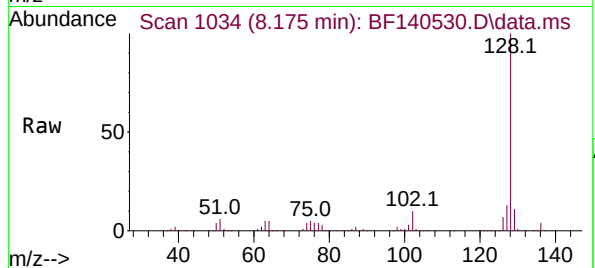
#31
Naphthalene
Concen: 10.434 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

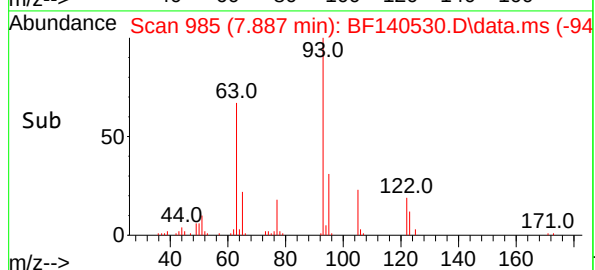
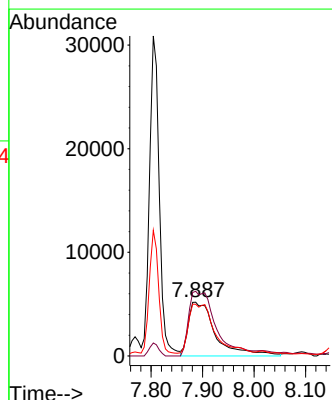
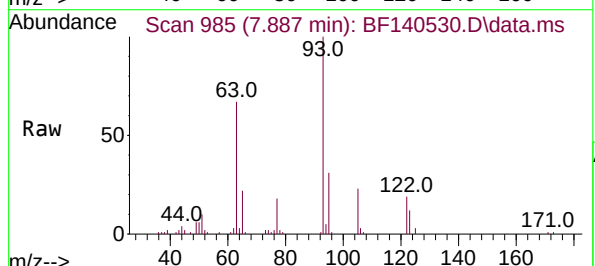
Manual Integrations
APPROVED

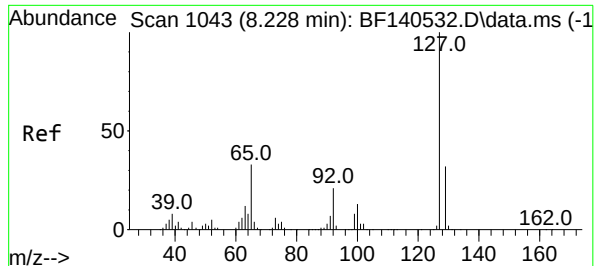
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





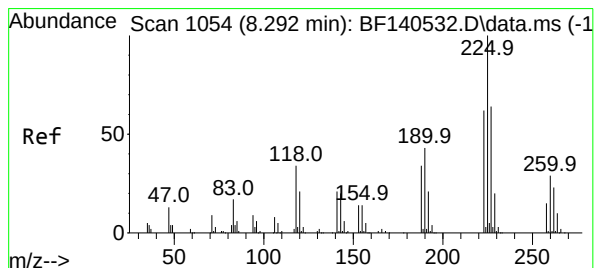
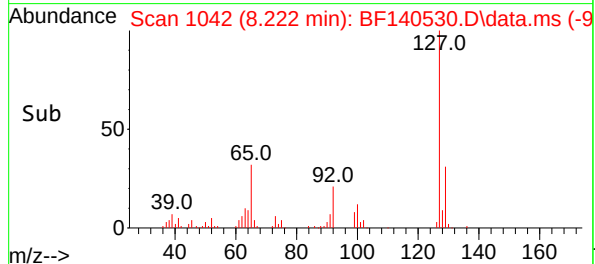
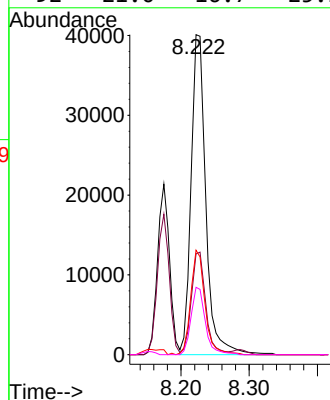
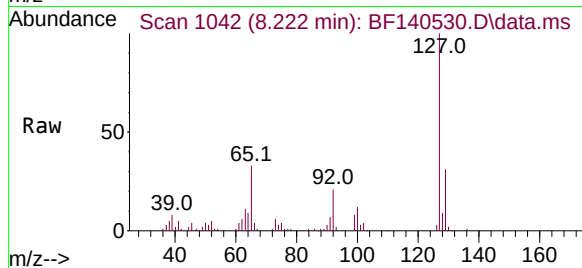
#33
4-Chloroaniline
Concen: 10.315 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

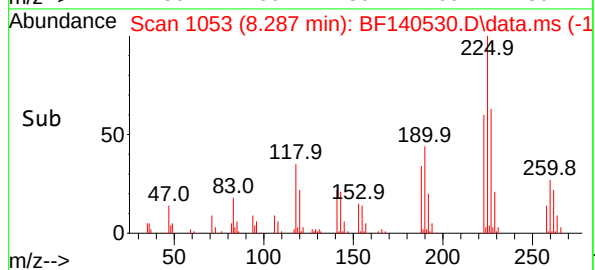
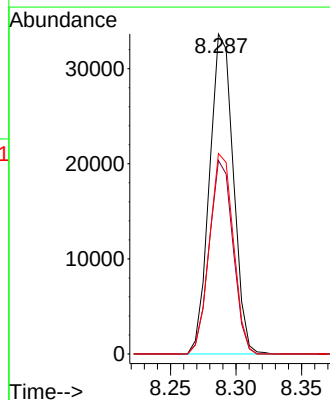
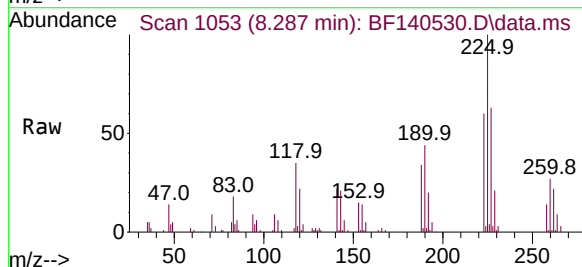
Manual Integrations
APPROVED

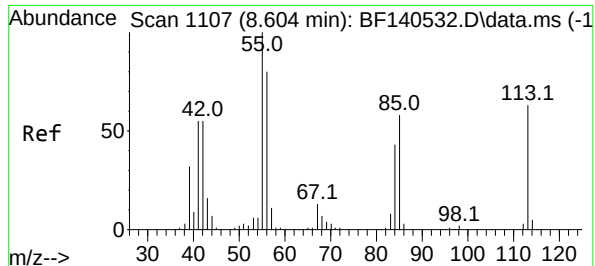
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





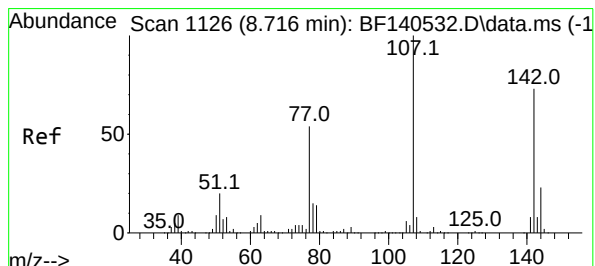
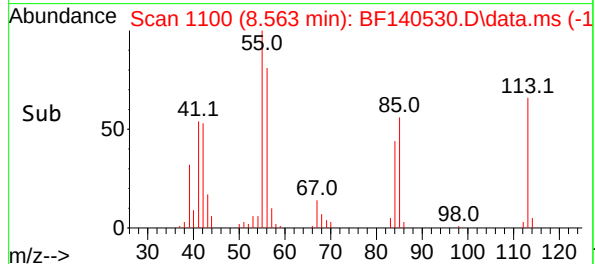
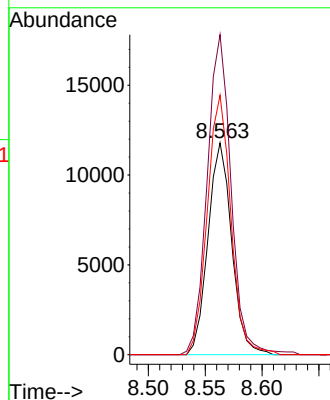
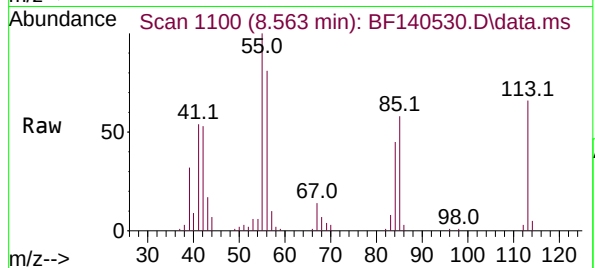
#35
Caprolactam
Concen: 10.317 ng
RT: 8.563 min Scan# 1107
Delta R.T. -0.041 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

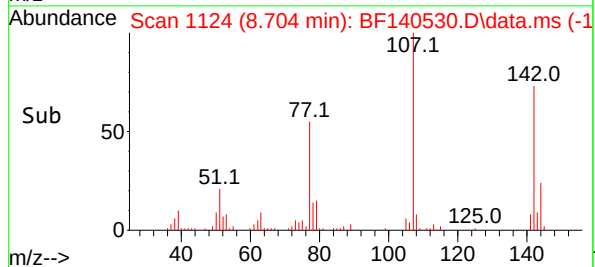
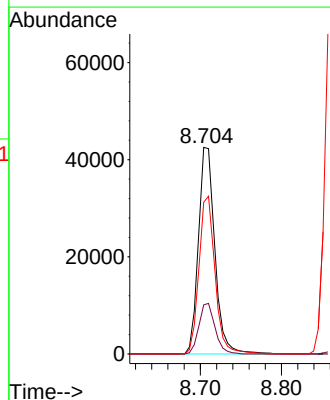
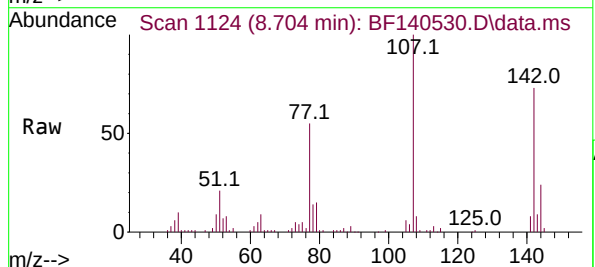
Manual Integrations
APPROVED

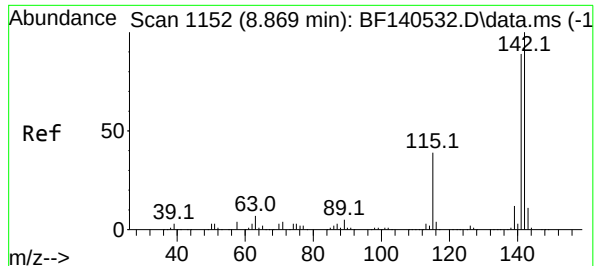
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

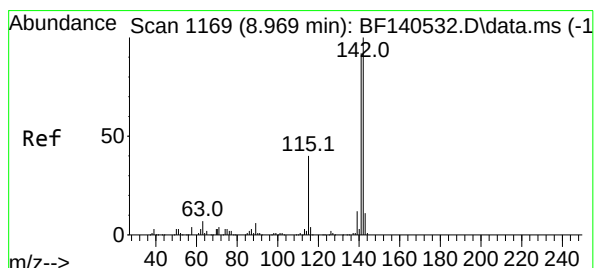
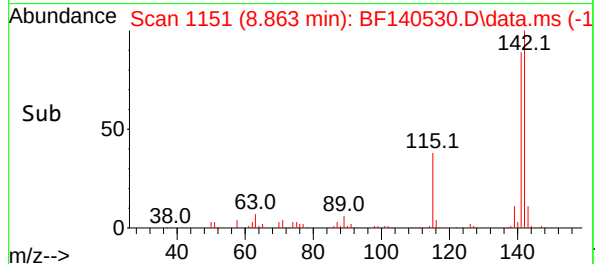
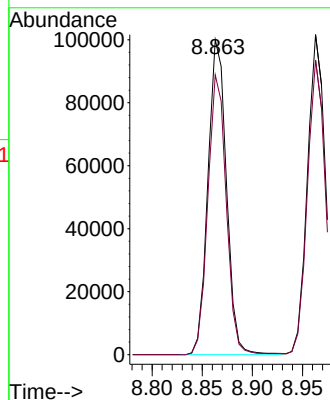
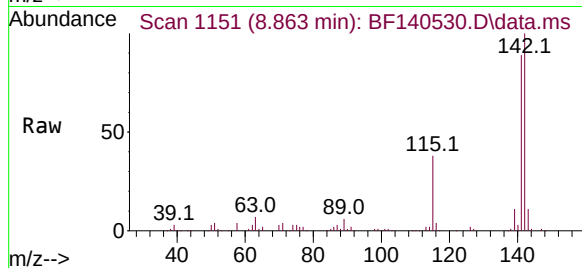
141 88.8 71.0 106.6

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

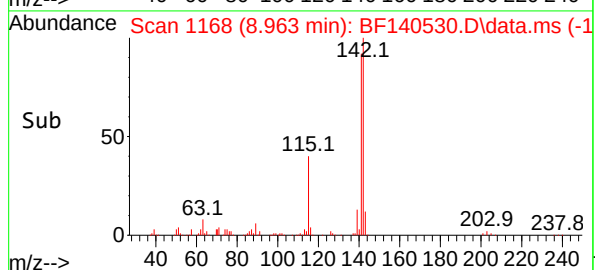
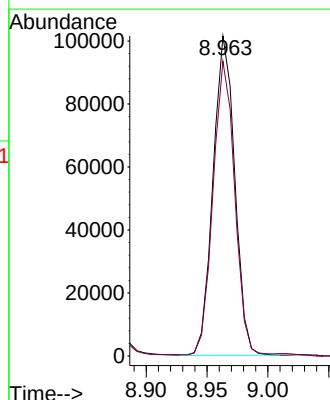
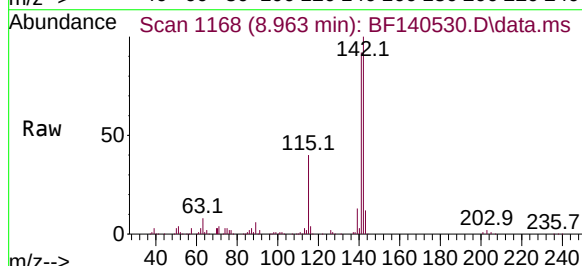
Acq: 21 Nov 2024 12:05

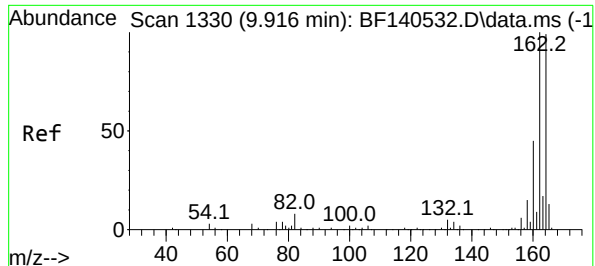
Tgt Ion:142 Resp: 125672

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# 11

Delta R.T. -0.006 min

Lab File: BF140530.D

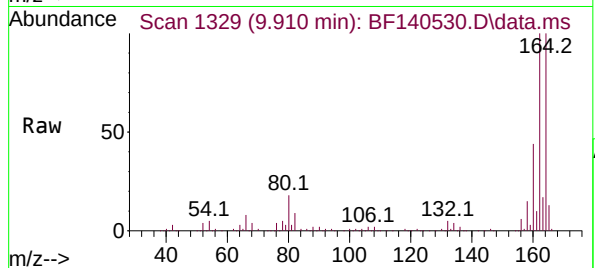
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 213774

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

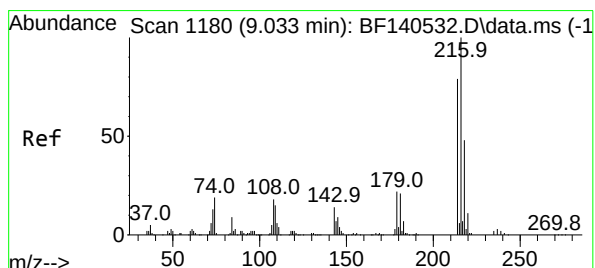
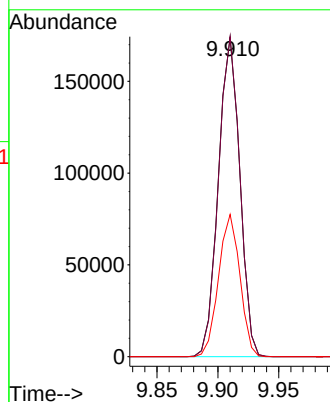
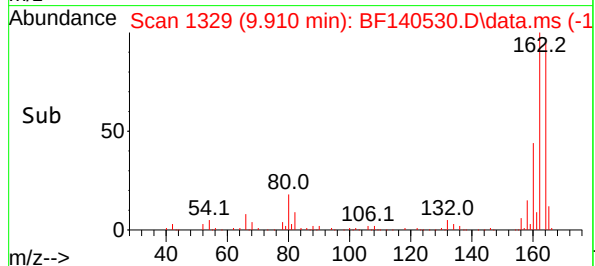
160 44.6 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

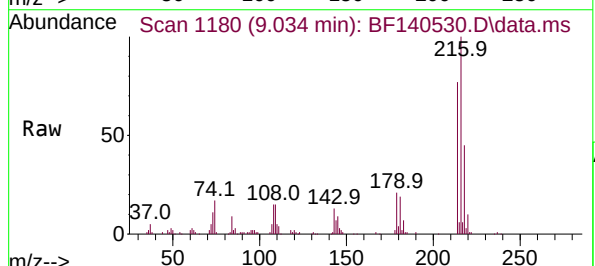
Concen: 10.308 ng

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

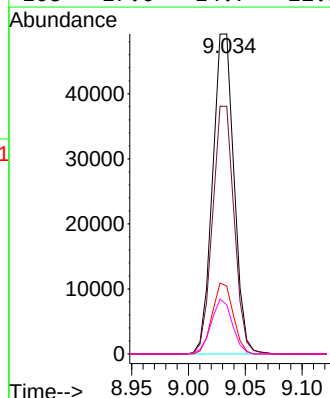
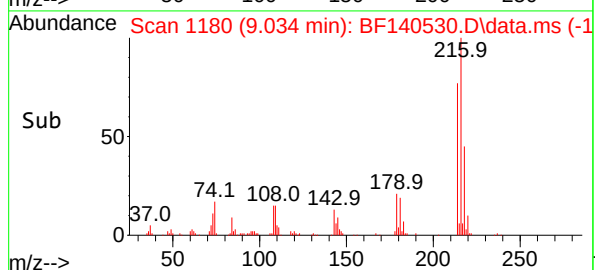
Ion Ratio Lower Upper

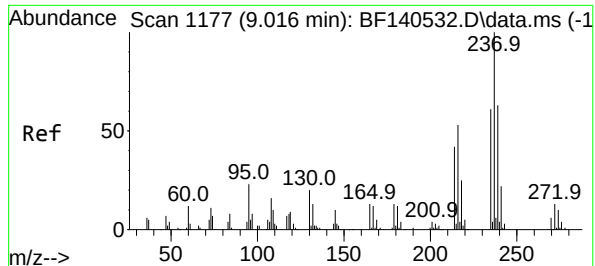
216 100

214 78.0 63.0 94.4

179 21.7 17.5 26.3

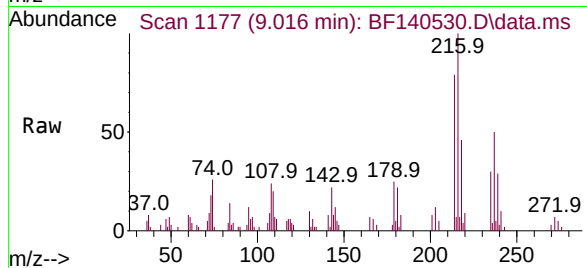
108 17.0 14.7 22.1





#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

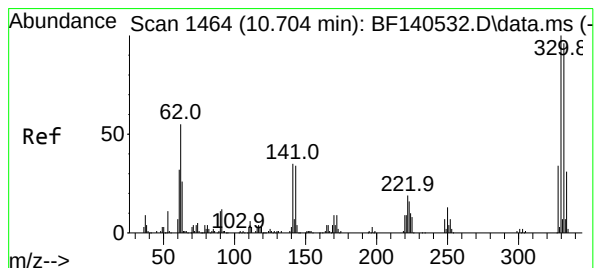
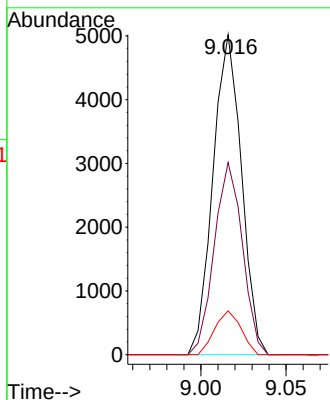
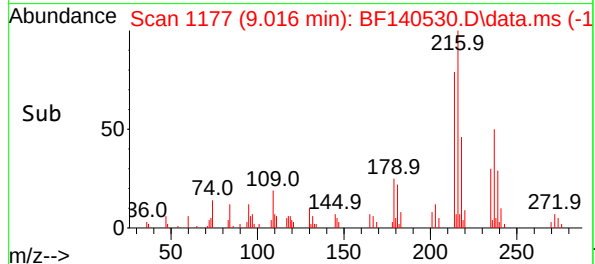
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

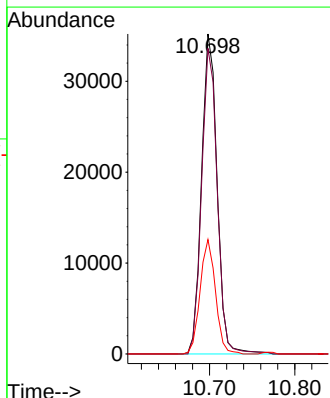
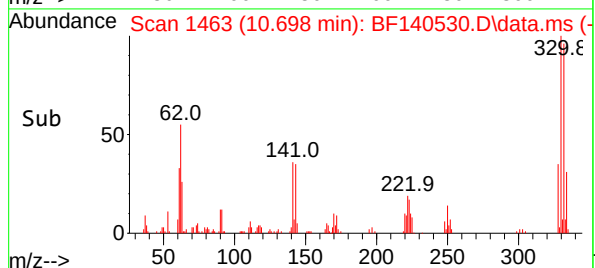
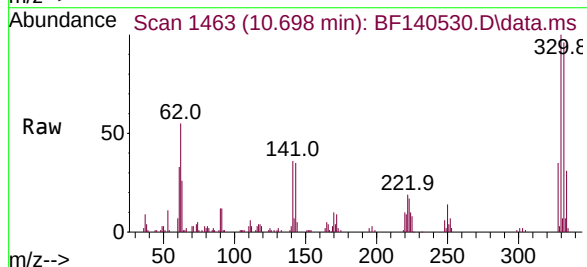
Manual Integrations
APPROVED

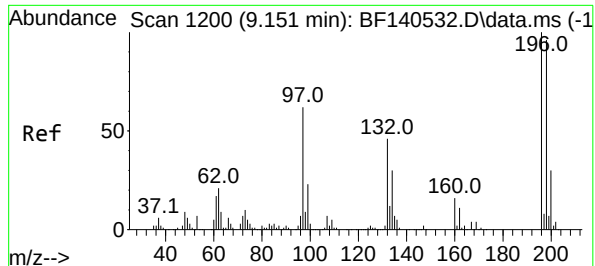
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

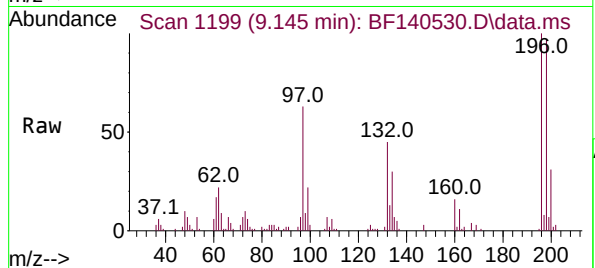
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 38279

Ion Ratio Lower Upper

196 100

198 97.3 76.8 115.2

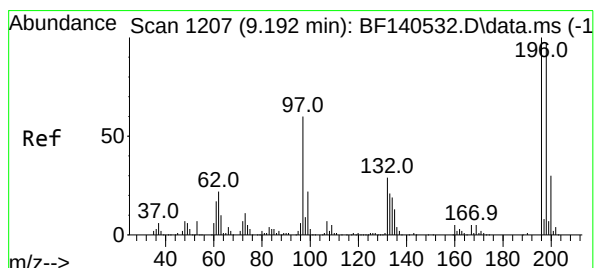
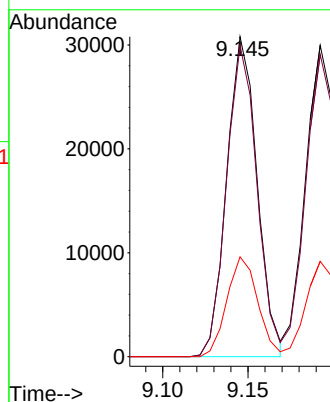
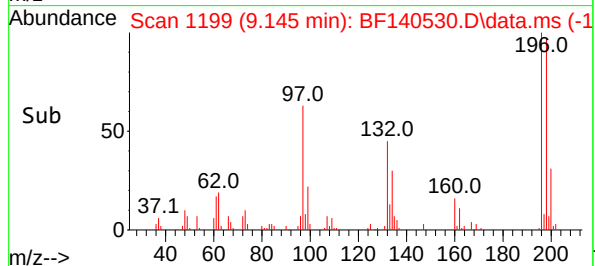
200 31.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

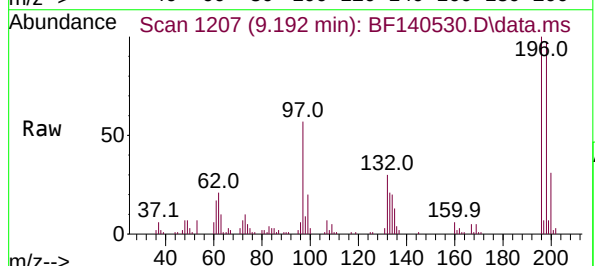
Concen: 9.930 ng

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

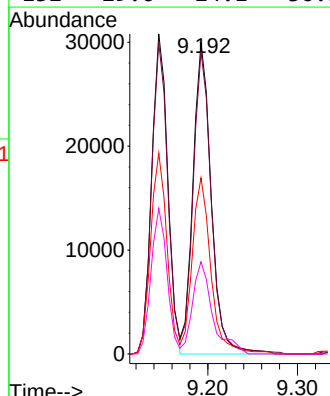
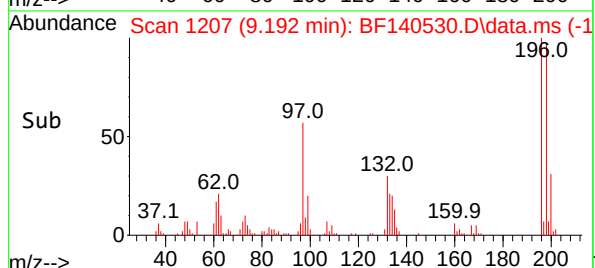
Ion Ratio Lower Upper

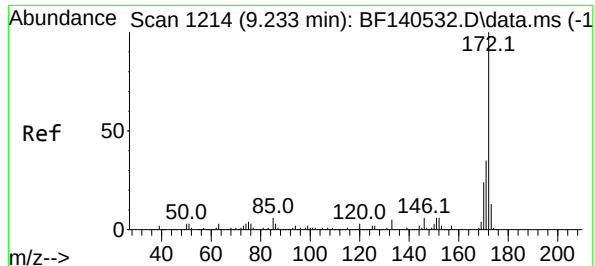
196 100

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

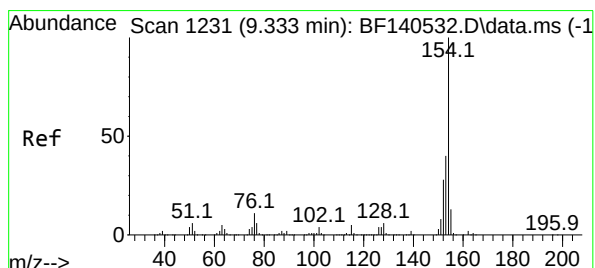
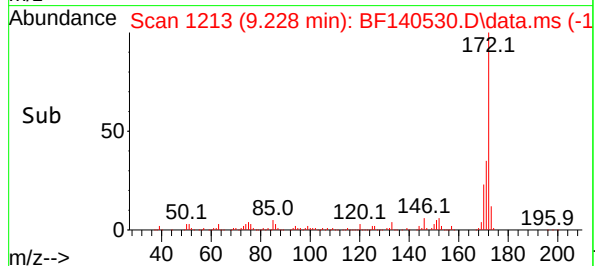
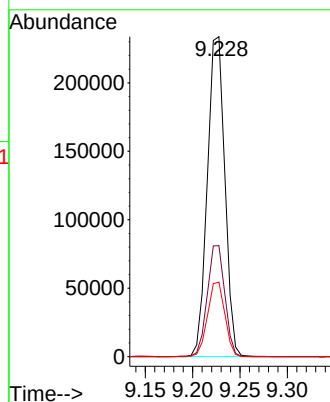
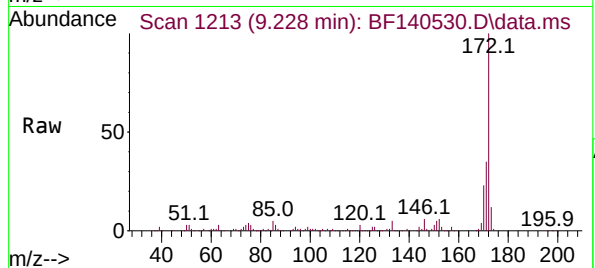
170 23.3 19.0 28.6

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

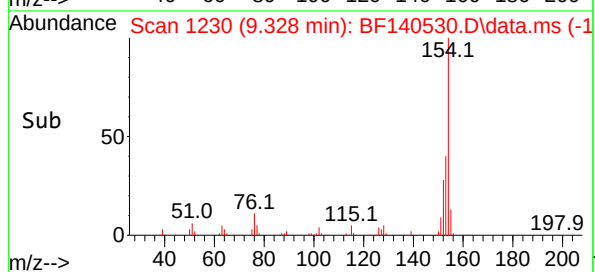
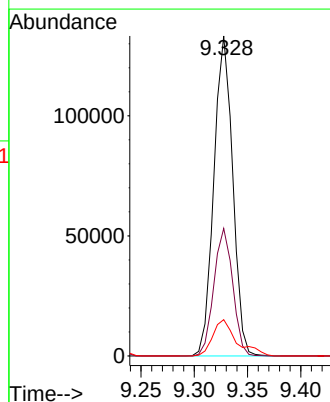
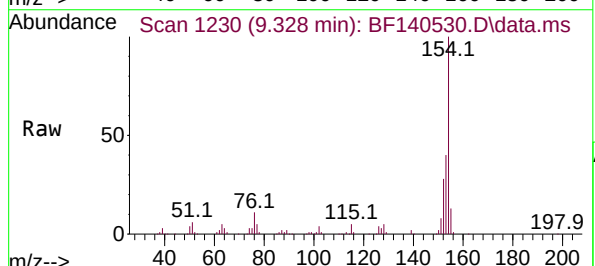
Tgt Ion:154 Resp: 163500

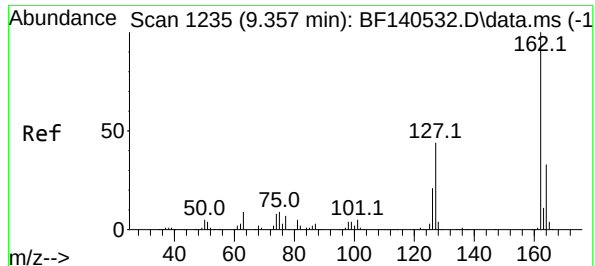
Ion Ratio Lower Upper

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

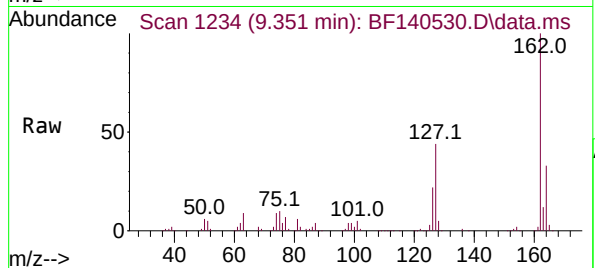
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 122350

Ion Ratio Lower Upper

162 100

127 43.9 35.7 53.5

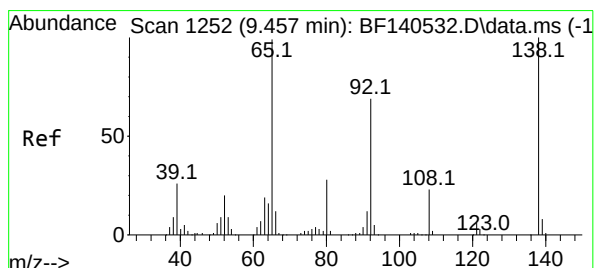
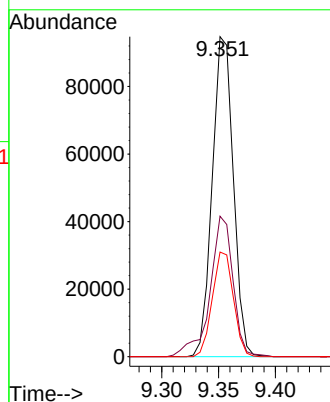
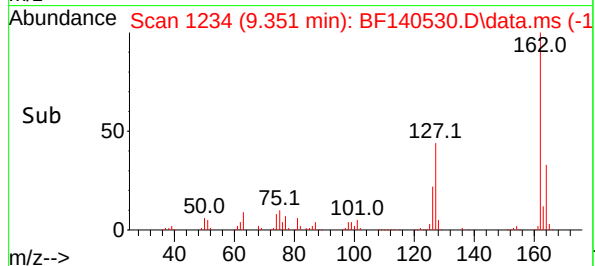
164 32.7 26.1 39.1

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

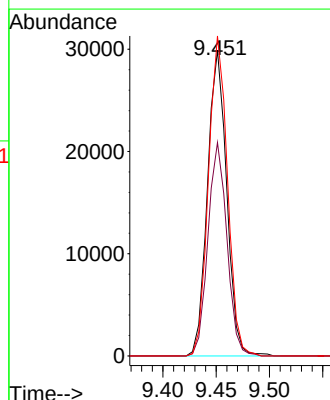
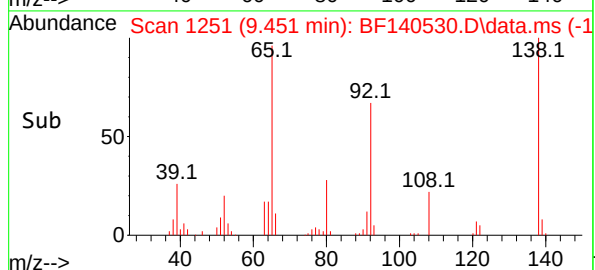
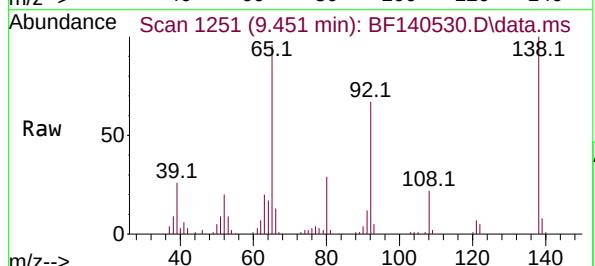
Tgt Ion: 65 Resp: 37481

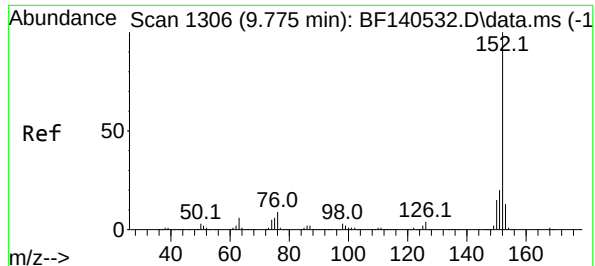
Ion Ratio Lower Upper

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 :

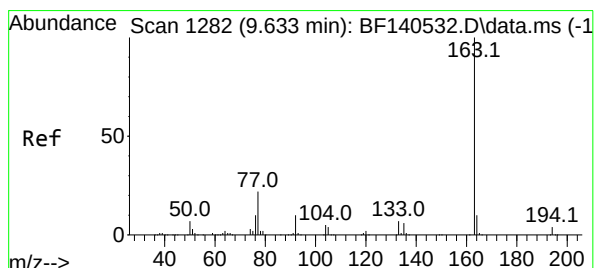
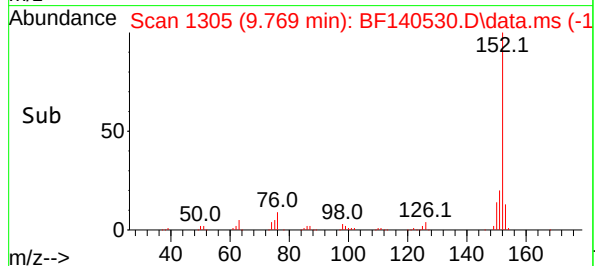
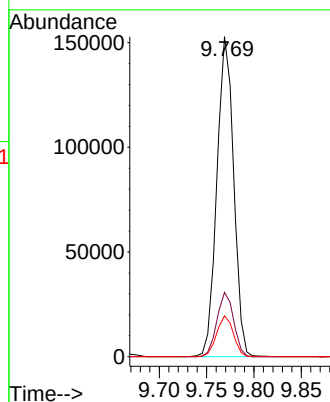
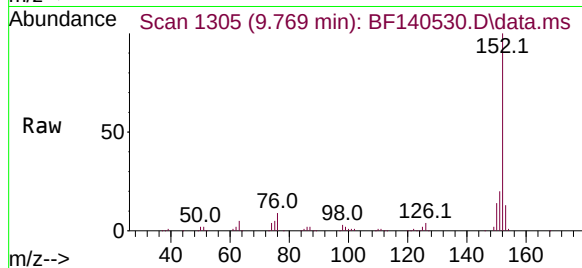
SSTDICC010

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

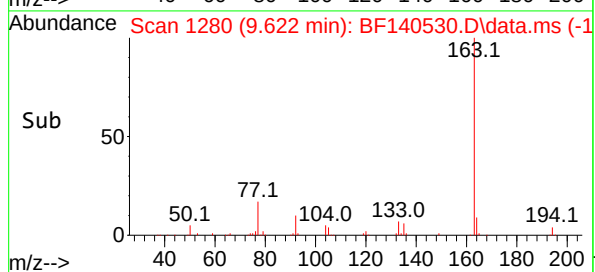
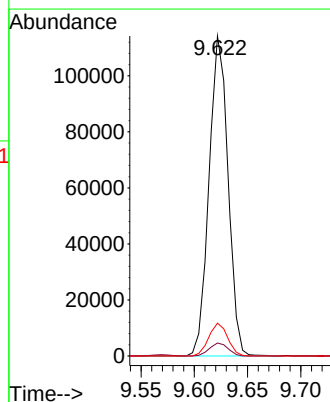
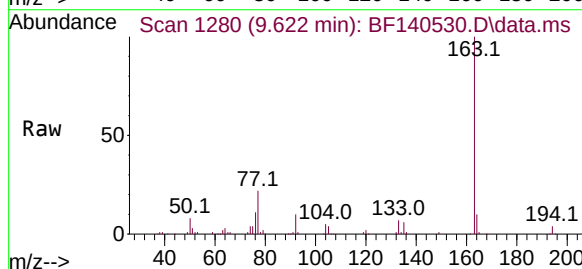
RT: 9.622 min Scan# 1280

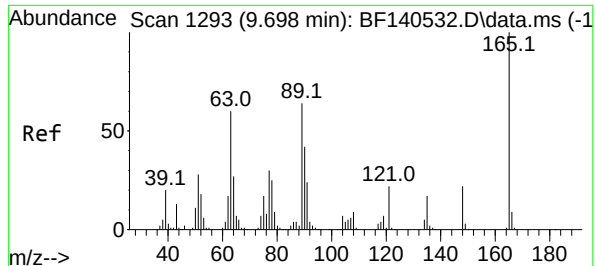
Delta R.T. -0.012 min

Lab File: BF140530.D

Acq: 21 Nov 2024 12:05

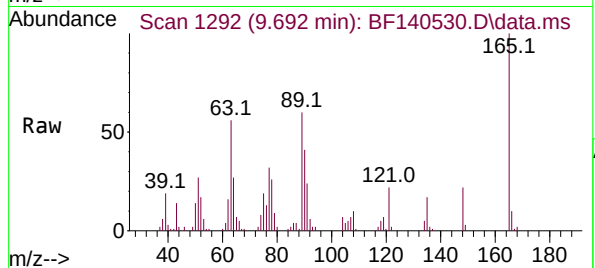
Tgt Ion:163	Resp:	142079
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.1 4.7
164	10.2	8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 10.021 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

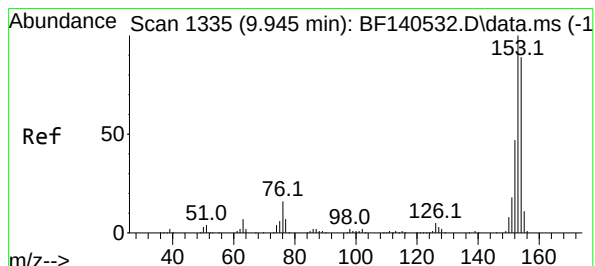
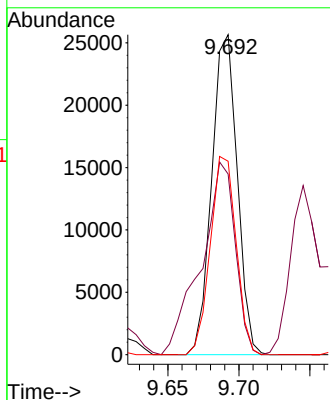
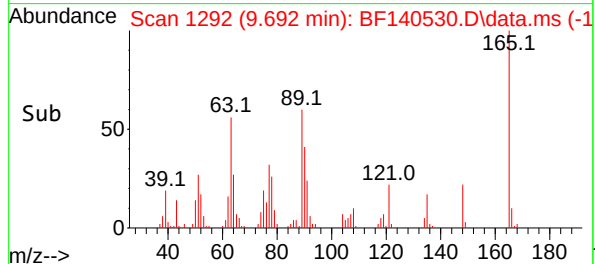
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



Tgt Ion:165 Resp: 31998
Ion Ratio Lower Upper
165 100
63 56.5 49.9 74.9
89 60.4 50.9 76.3

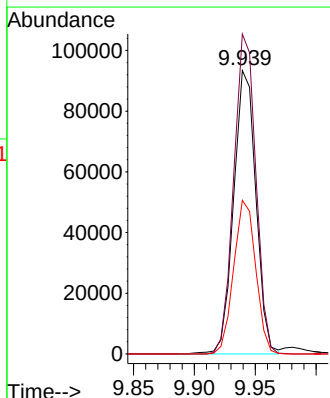
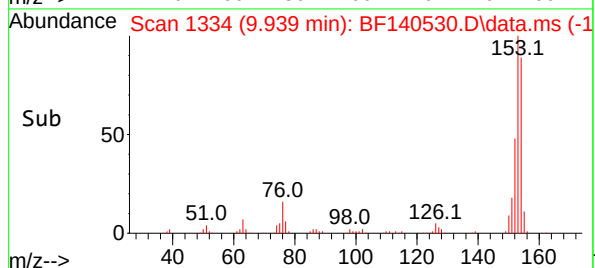
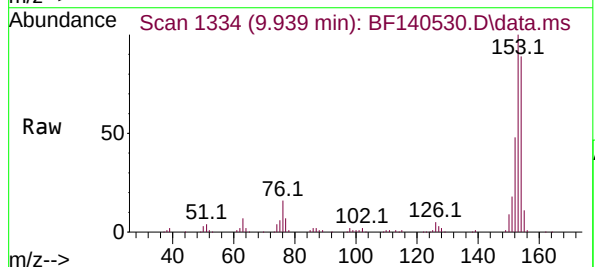
Manual Integrations
APPROVED

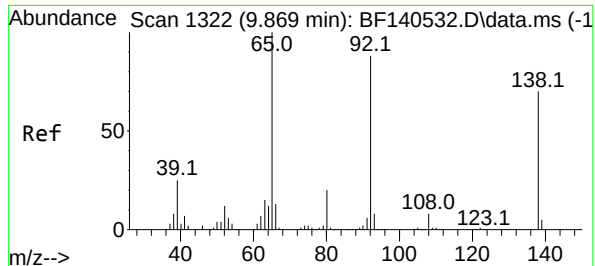
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

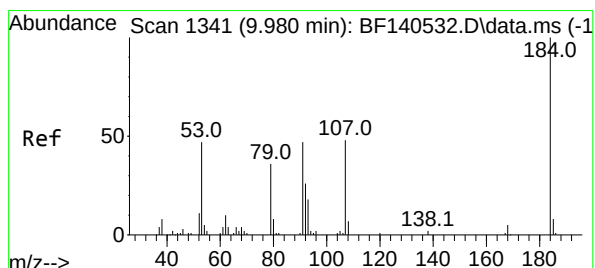
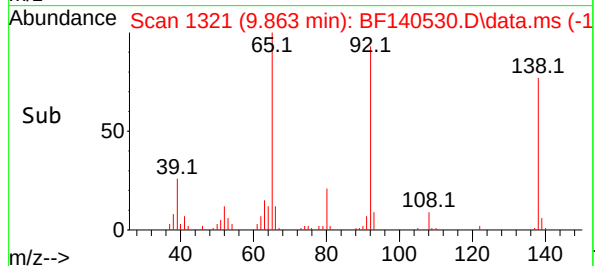
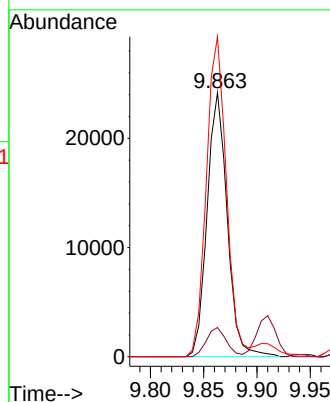
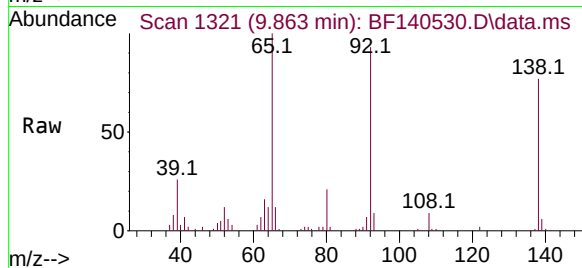
ClientSampleId :

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

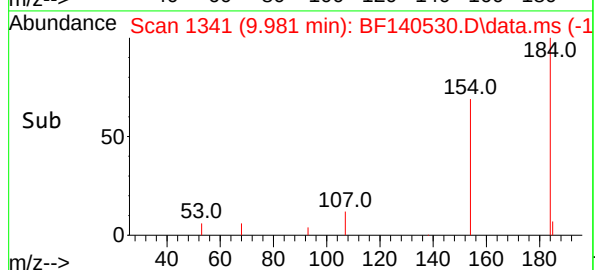
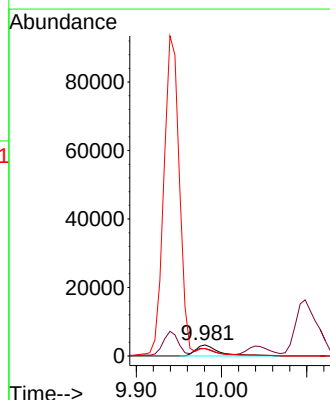
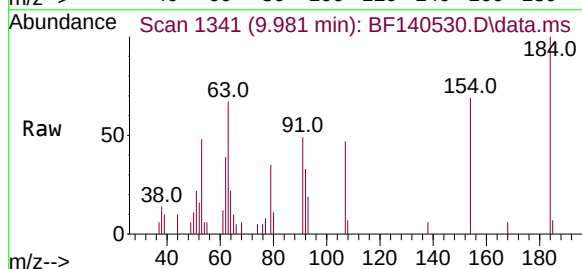
Manual Integrations
APPROVED

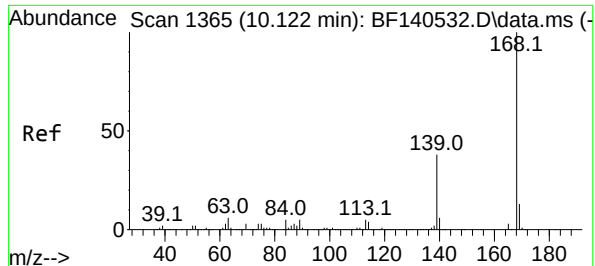
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

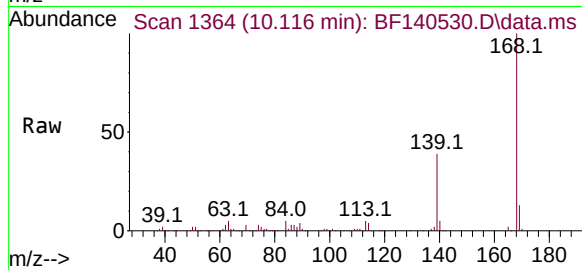
Tgt Ion:184 Resp: 6086
Ion Ratio Lower Upper
184 100
63 67.4 54.1 81.1
154 68.7 57.4 86.0





#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

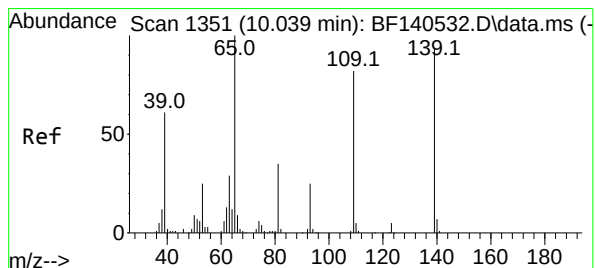
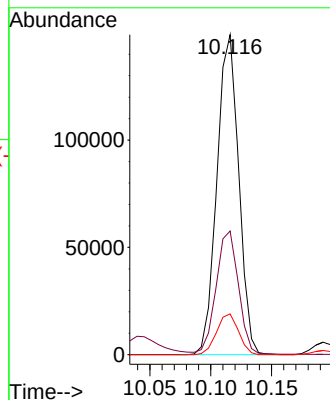
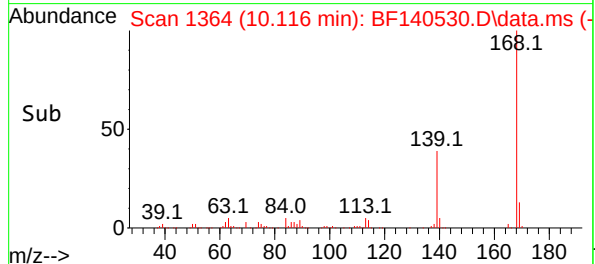
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

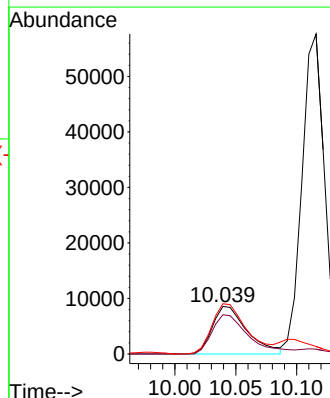
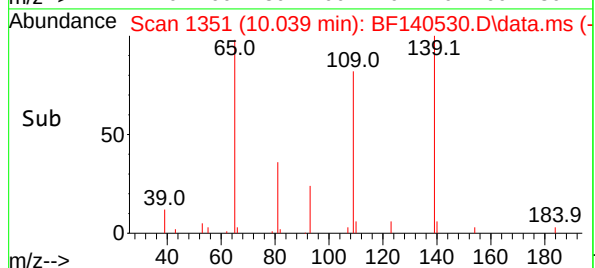
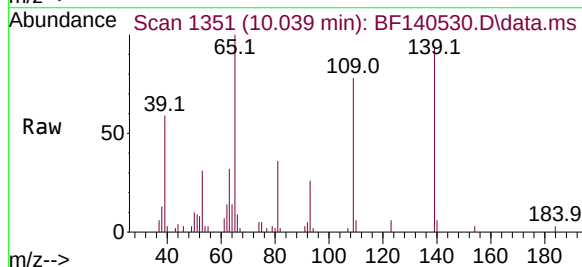
Manual Integrations
APPROVED

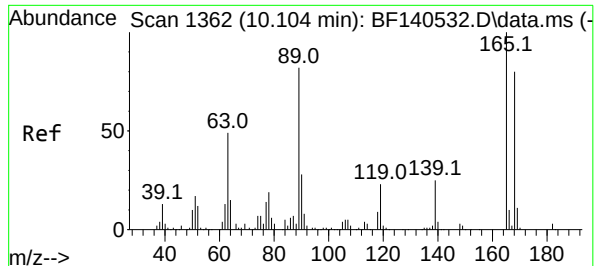
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

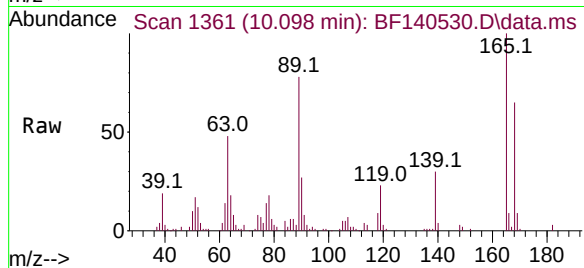
Tgt Ion:139 Resp: 17052
Ion Ratio Lower Upper
139 100
109 82.5 68.4 108.4
65 105.9 88.6 128.6





#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

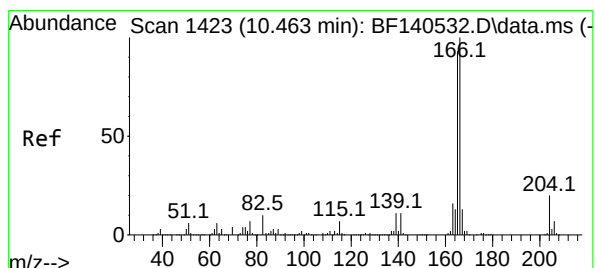
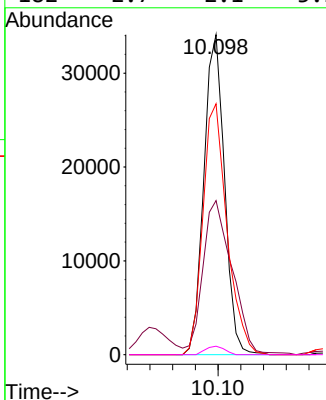
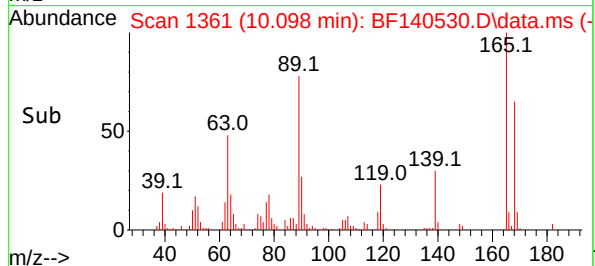
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



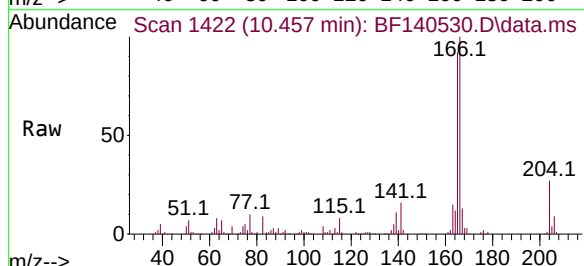
Tgt Ion:165 Resp: 43030
Ion Ratio Lower Upper
165 100
63 48.1 41.7 62.5
89 78.4 65.8 98.8
182 2.7 2.1 3.1

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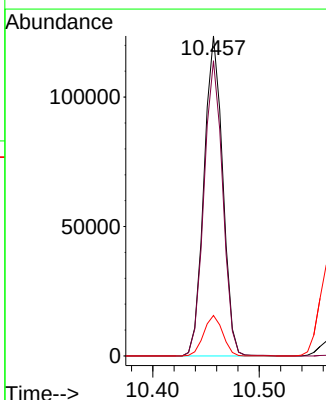
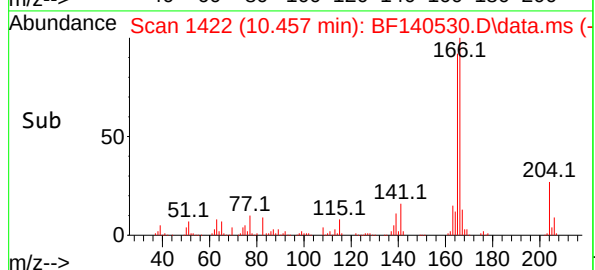
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

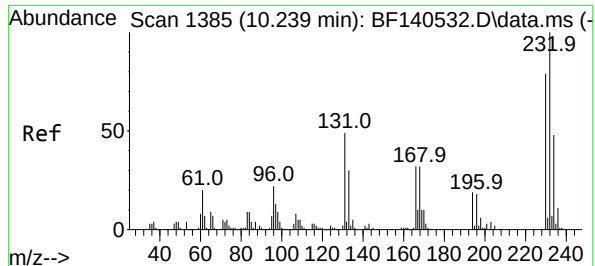


#58
Fluorene
Concen: 10.594 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



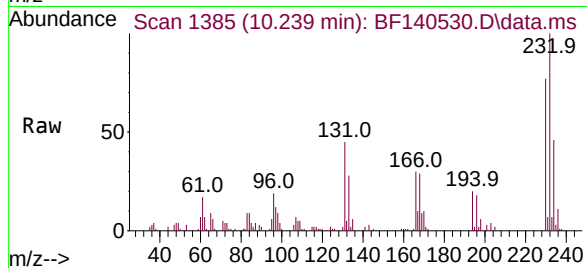
Tgt Ion:166 Resp: 150592
Ion Ratio Lower Upper
166 100
165 92.3 74.6 111.8
167 12.6 10.6 16.0





#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

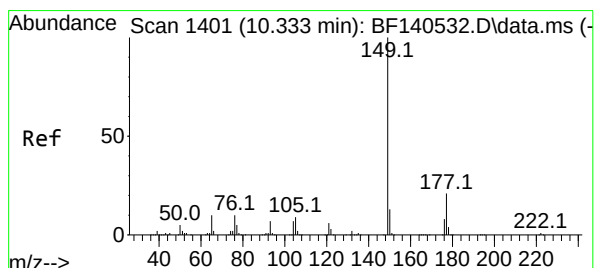
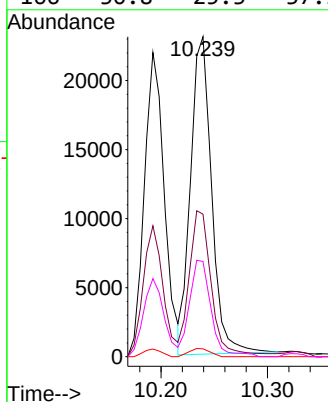
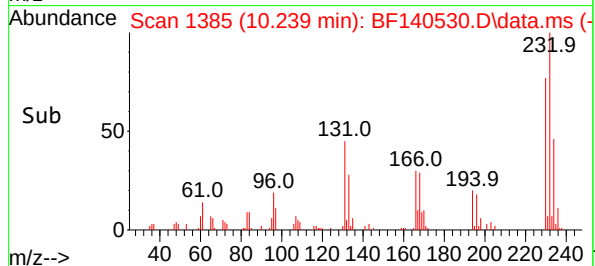
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

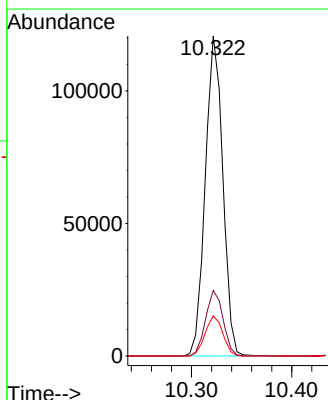
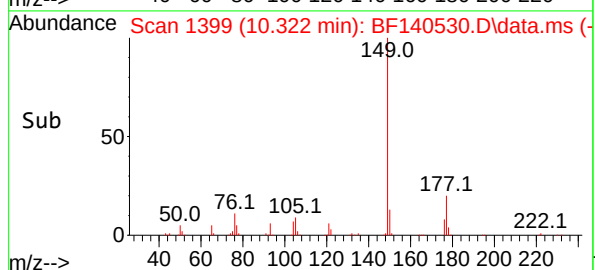
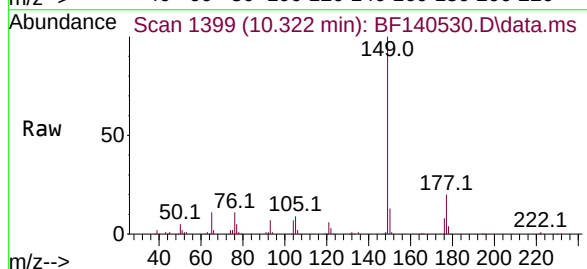
Manual Integrations
APPROVED

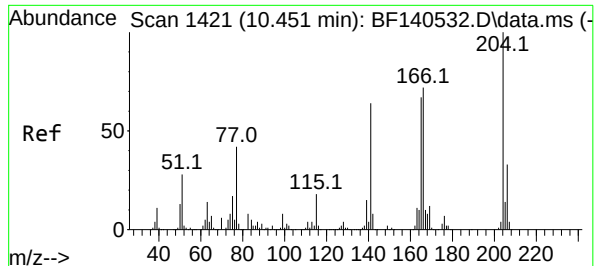
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





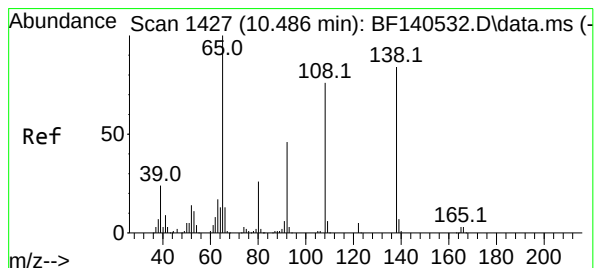
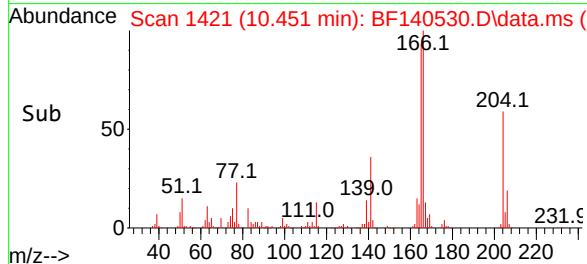
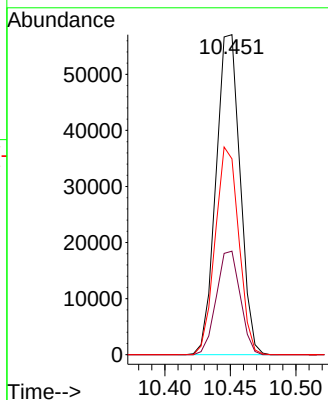
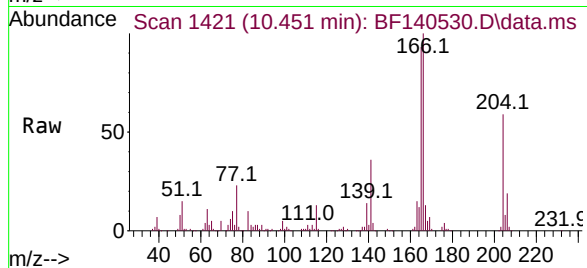
#61
4-Chlorophenyl-phenylether
Concen: 10.452 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

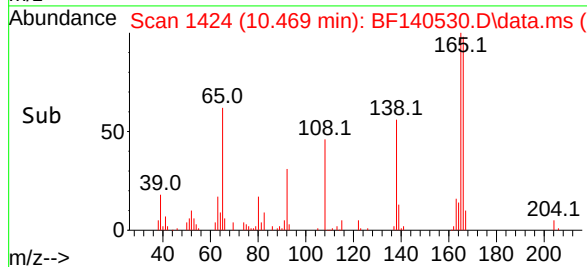
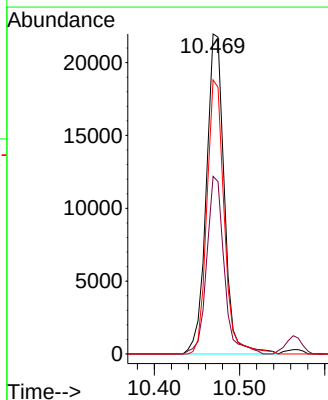
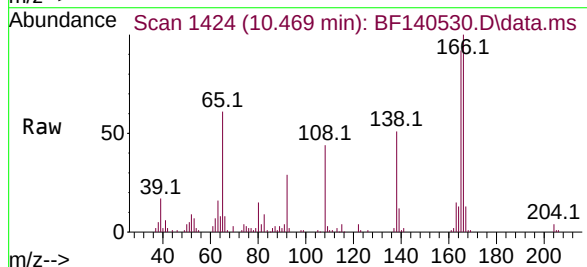
Manual Integrations
APPROVED

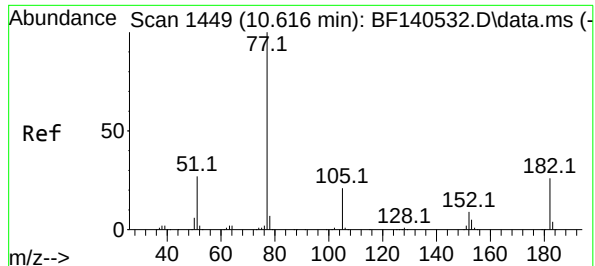
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

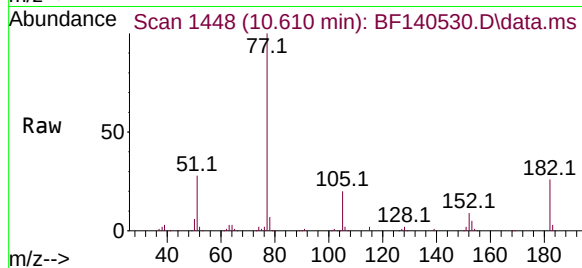
Tgt Ion:138 Resp: 32193
Ion Ratio Lower Upper
138 100
92 55.5 34.5 74.5
108 85.7 70.6 110.6





#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

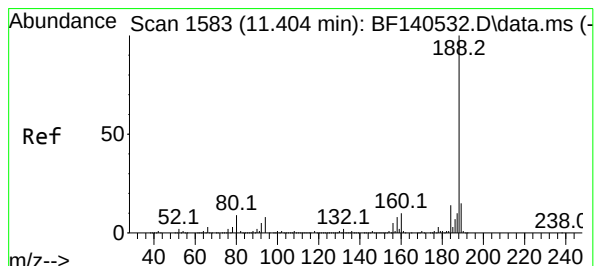
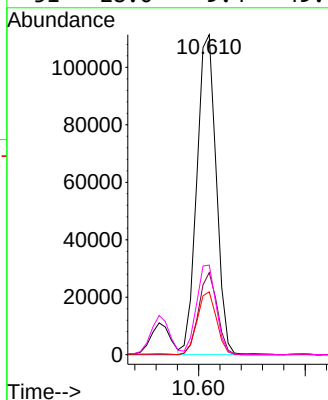
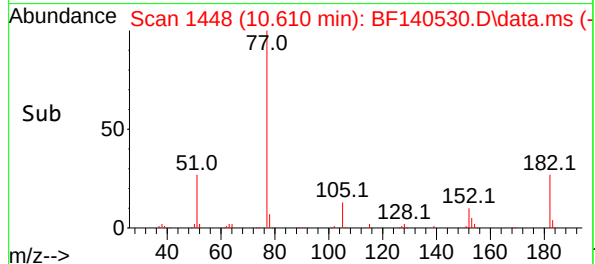
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

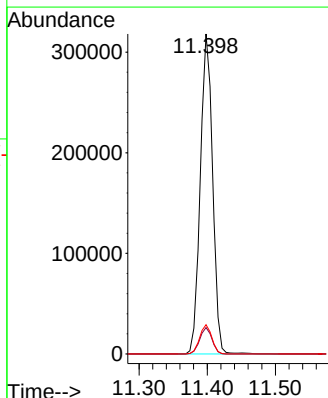
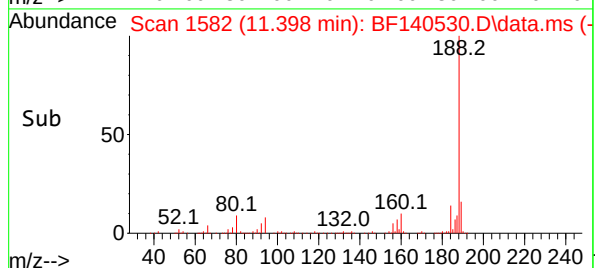
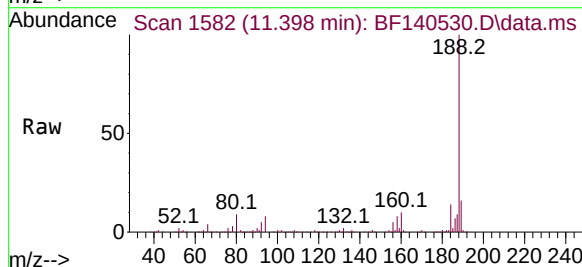
Manual Integrations
APPROVED

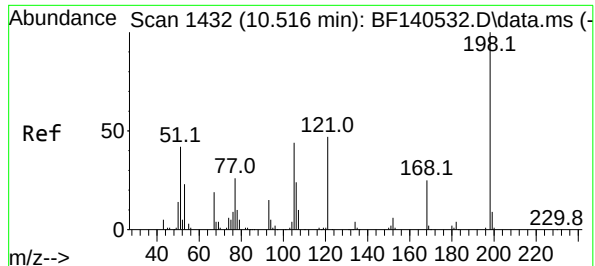
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





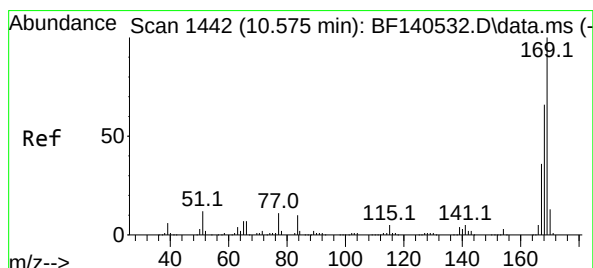
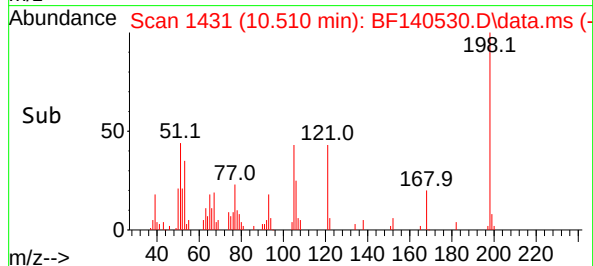
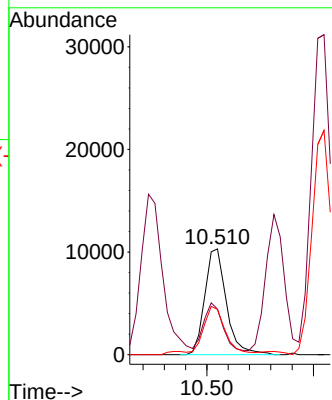
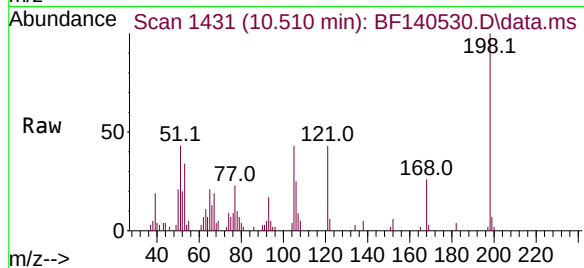
#65
4,6-Dinitro-2-methylphenol
Concen: 7.140 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

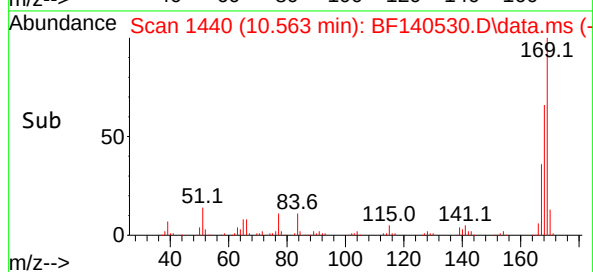
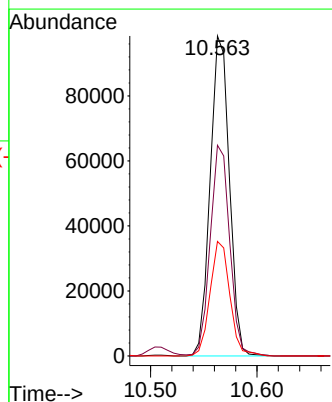
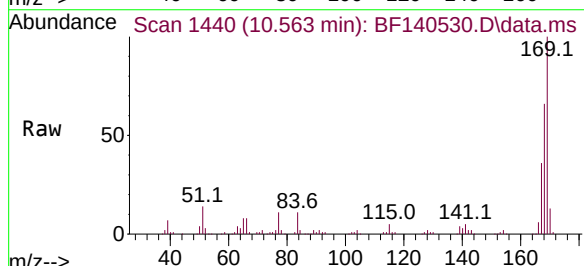
Manual Integrations
APPROVED

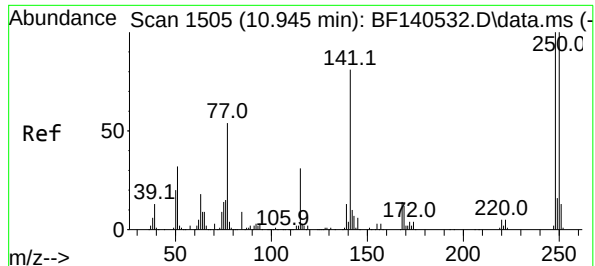
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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 :

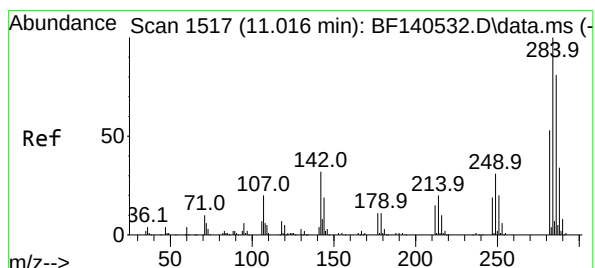
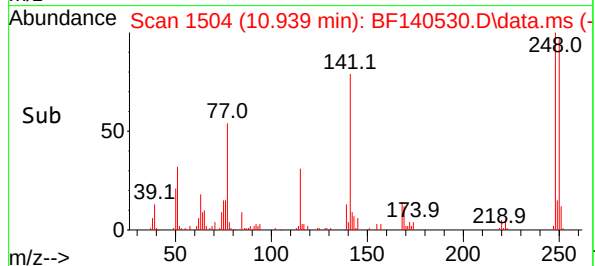
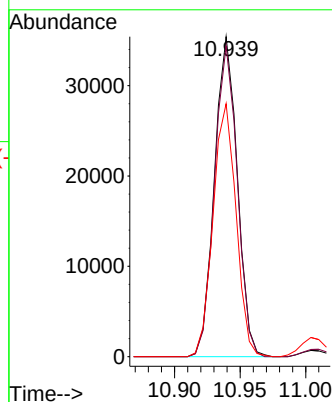
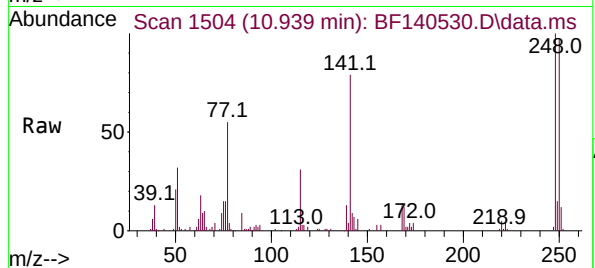
SSTDICC010

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

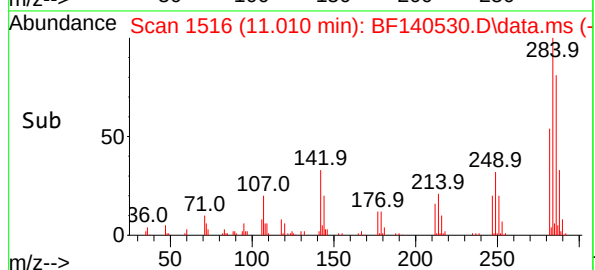
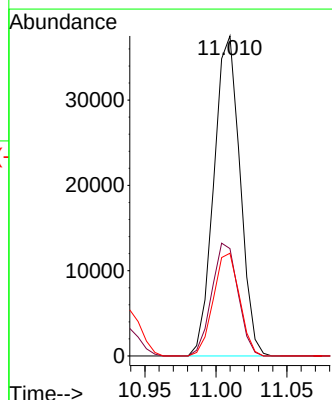
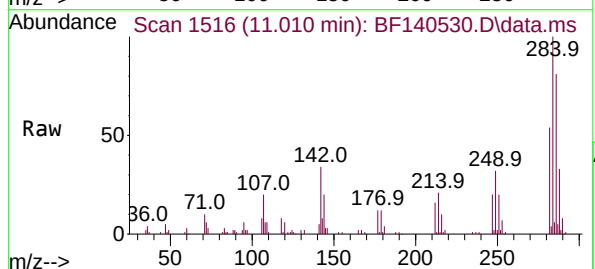
APPROVED

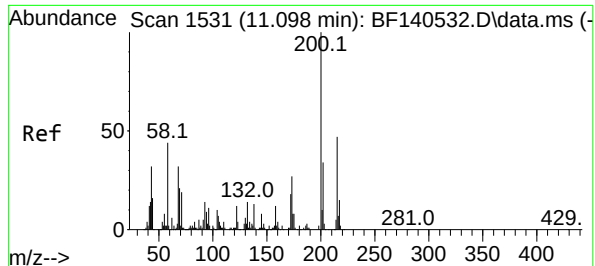
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

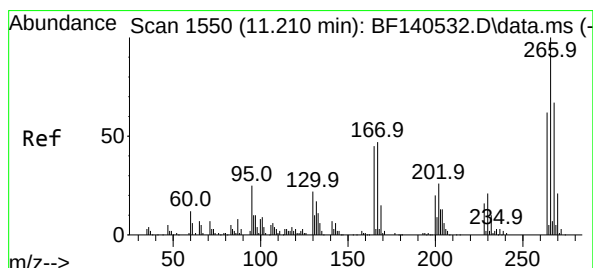
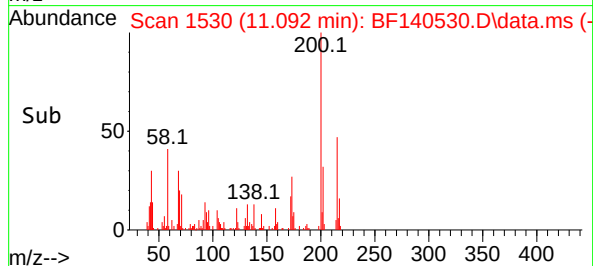
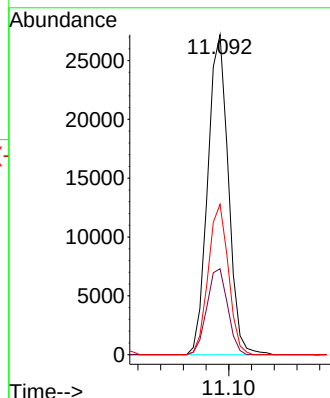
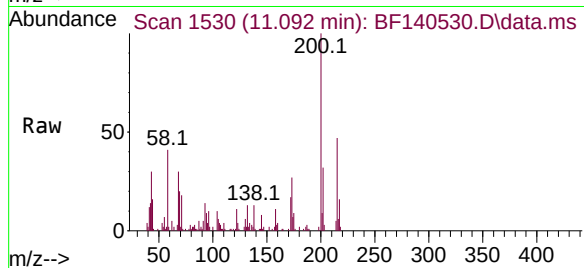
Tgt Ion	200	Resp	3419
Ion Ratio	Lower	Upper	
200	100		
173	26.8	7.0	47.0
215	47.0	26.7	66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#70

Pentachlorophenol

Concen: 6.732 ng

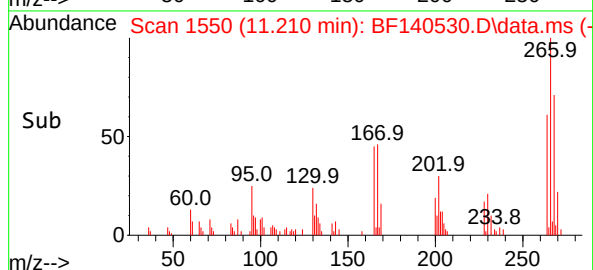
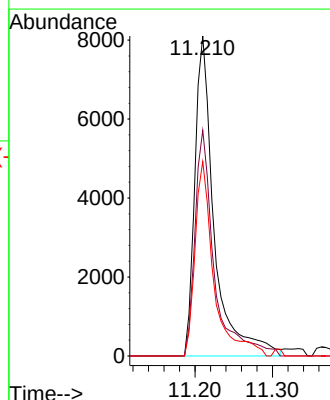
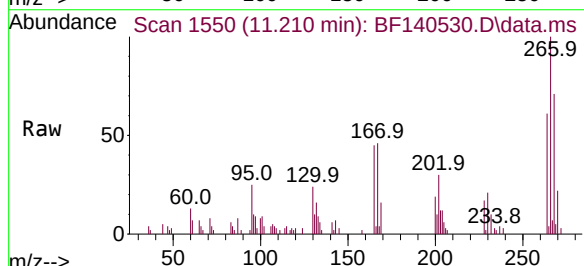
RT: 11.210 min Scan# 1550

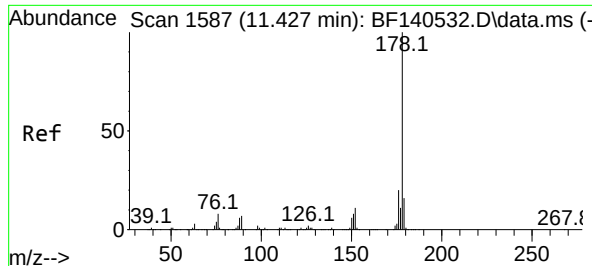
Delta R.T. -0.000 min

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





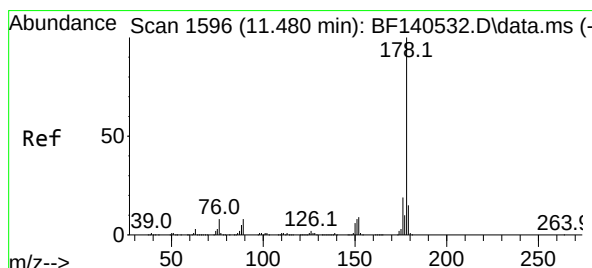
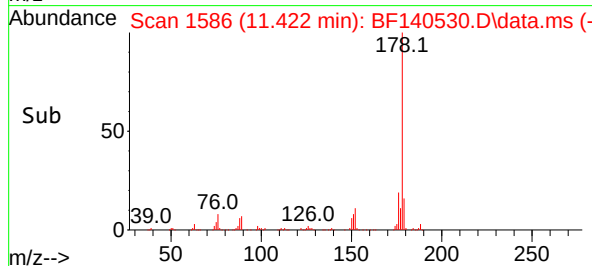
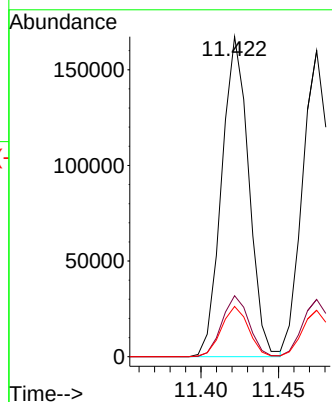
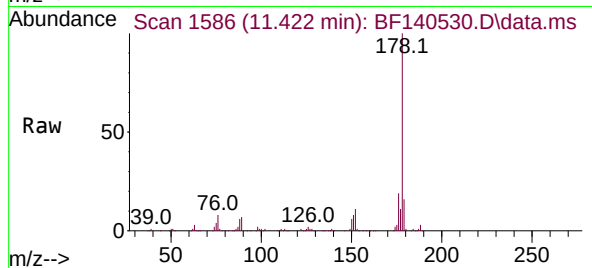
#71
Phenanthrene
Concen: 10.606 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

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

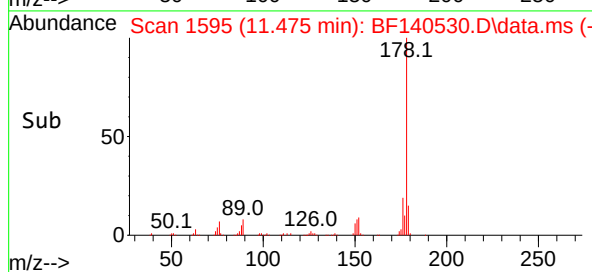
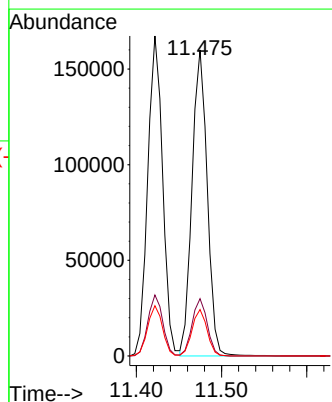
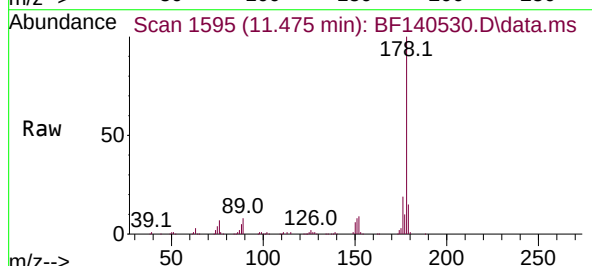
Manual Integrations
APPROVED

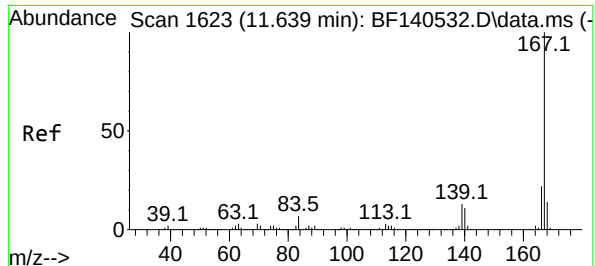
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

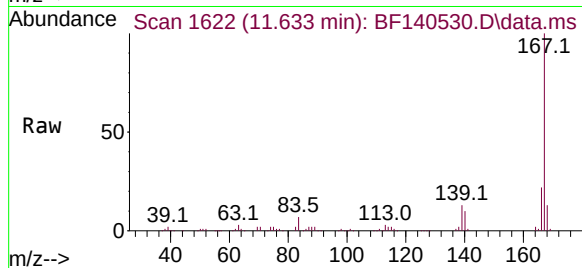
Tgt Ion:178 Resp: 198430
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.1 12.2 18.4





#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

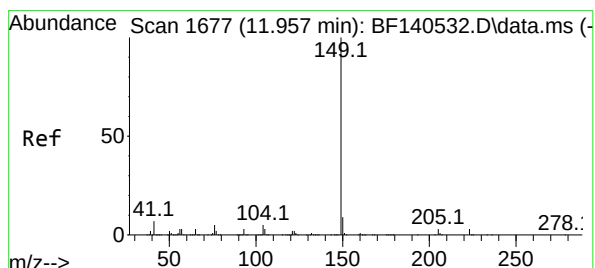
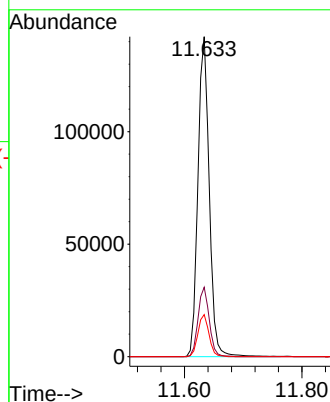
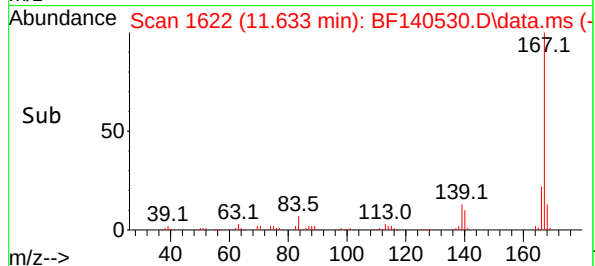
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



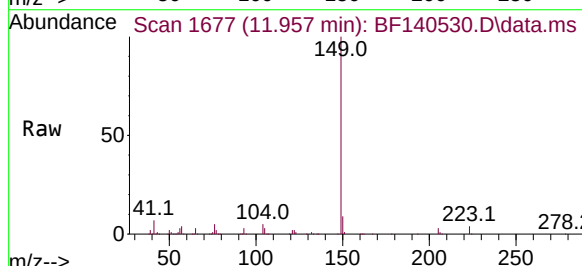
Tgt Ion:167 Resp: 18959
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 13.2 10.6 15.8

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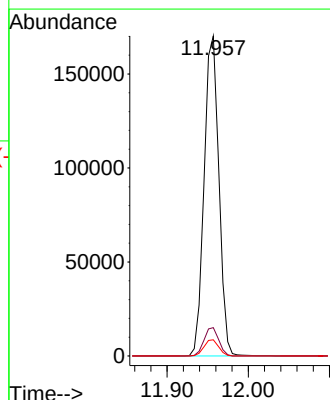
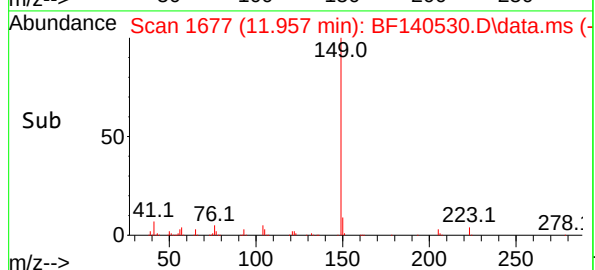
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

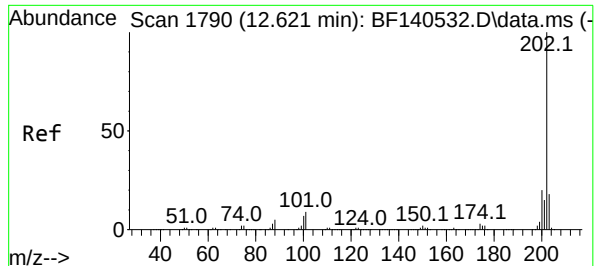


#74
Di-n-butylphthalate
Concen: 10.288 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



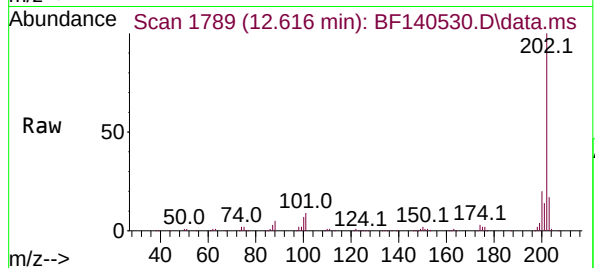
Tgt Ion:149 Resp: 214564
Ion Ratio Lower Upper
149 100
150 8.9 7.5 11.3
104 5.0 4.1 6.1





#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

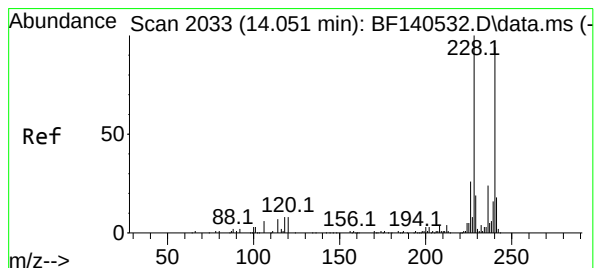
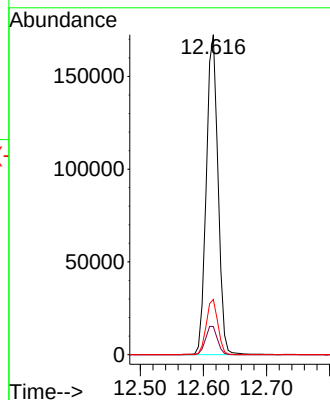
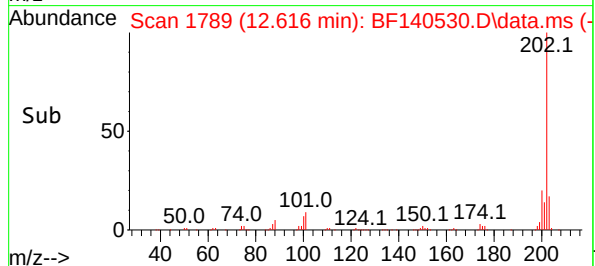
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

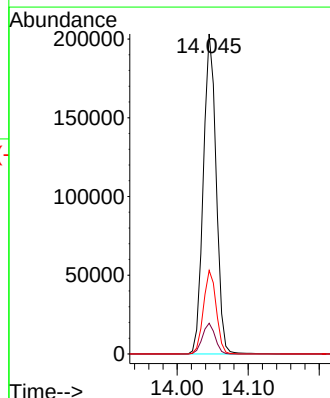
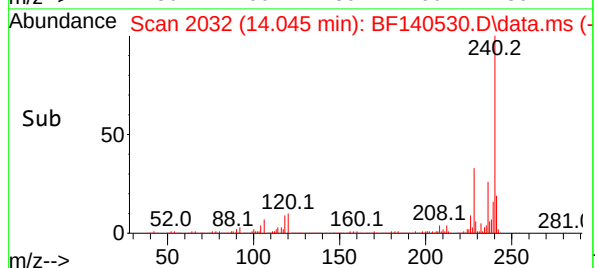
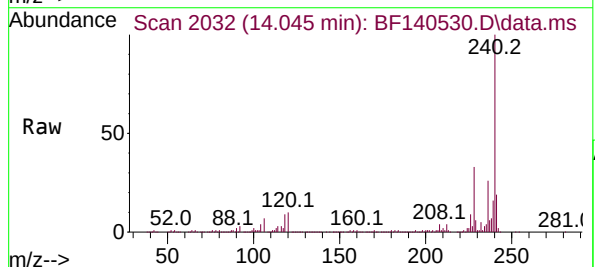
Manual Integrations
APPROVED

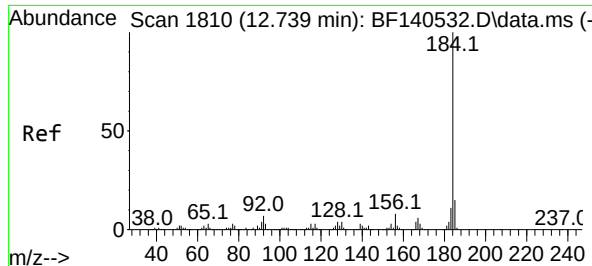
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

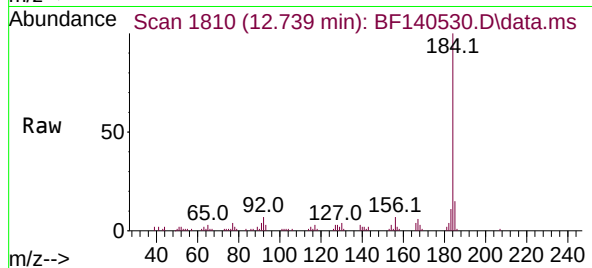
Tgt Ion:240 Resp: 256196
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.1 20.6 31.0





#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

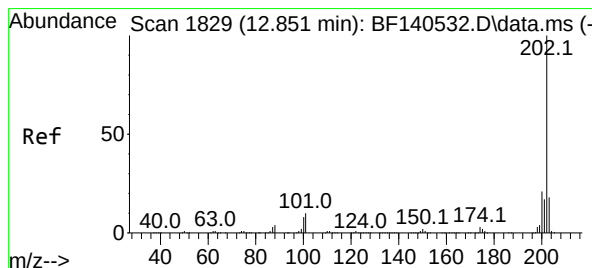
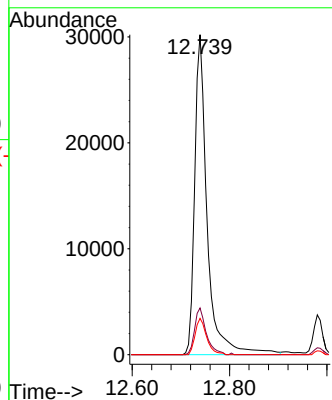
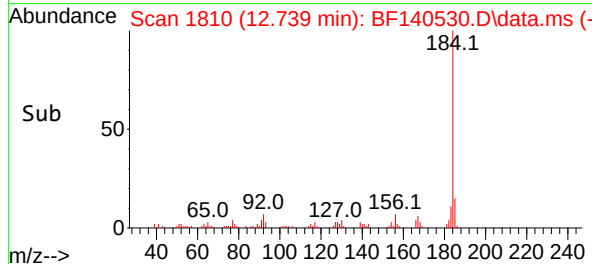
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



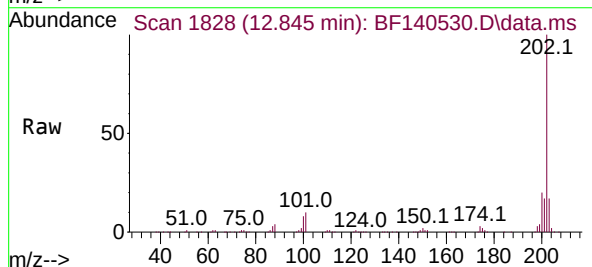
Tgt Ion:184 Resp: 5402
Ion Ratio Lower Upper
184 100
185 14.6 11.7 17.5
183 11.4 8.8 13.2

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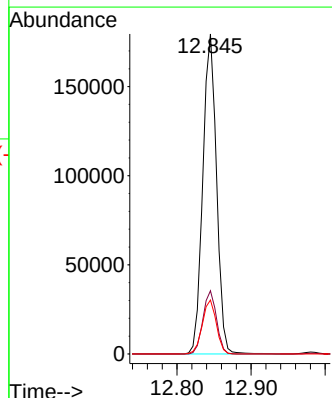
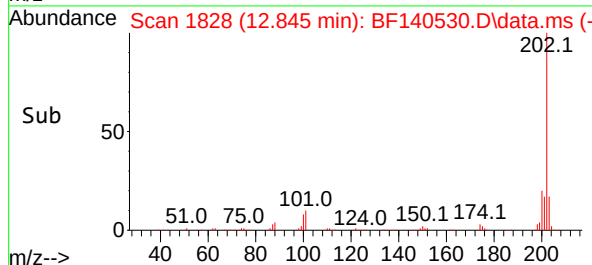
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

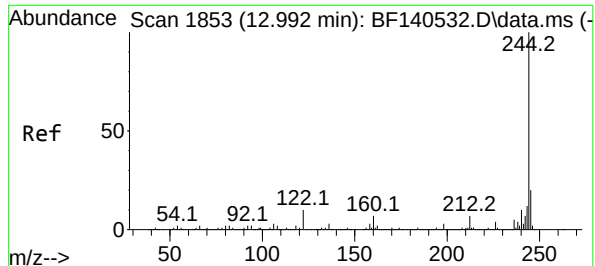


#78
Pyrene
Concen: 9.741 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05



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: 32136

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

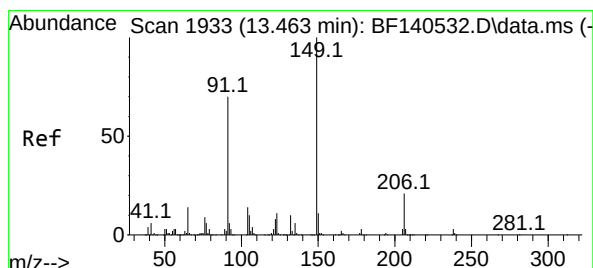
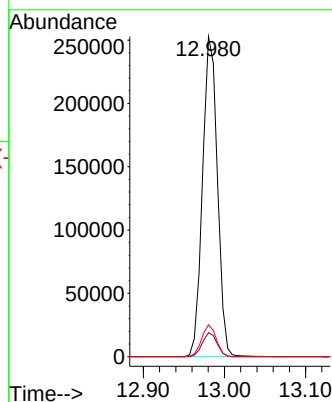
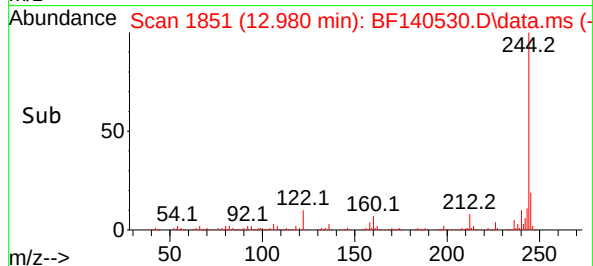
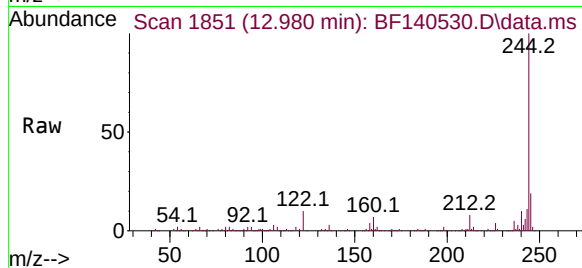
122 10.0 8.0 12.0

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

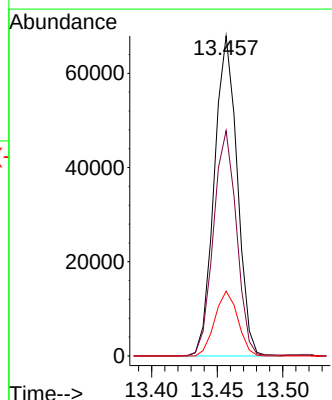
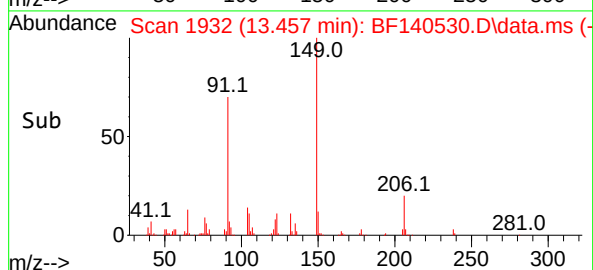
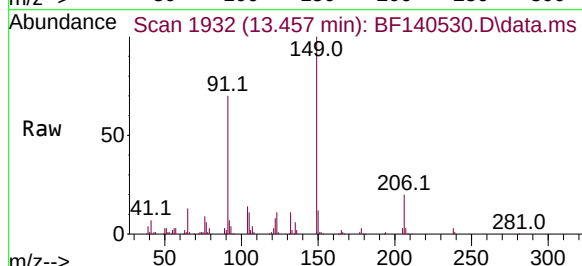
Tgt Ion:149 Resp: 82557

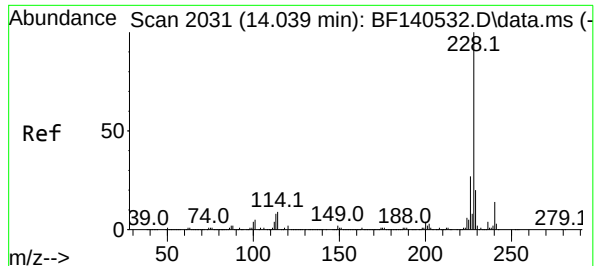
Ion Ratio Lower Upper

149 100

91 70.4 56.2 84.2

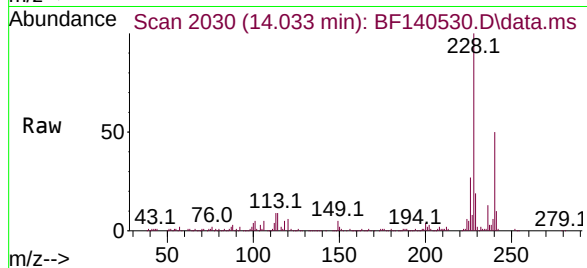
206 20.2 16.4 24.6





#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

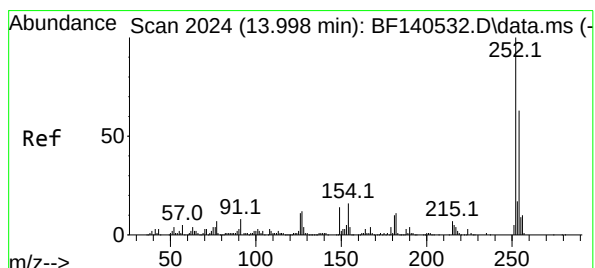
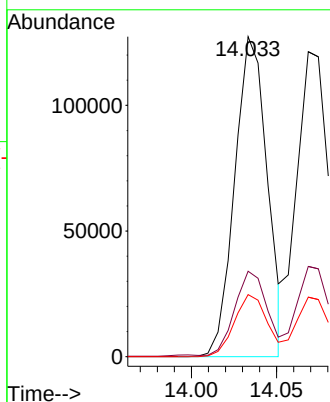
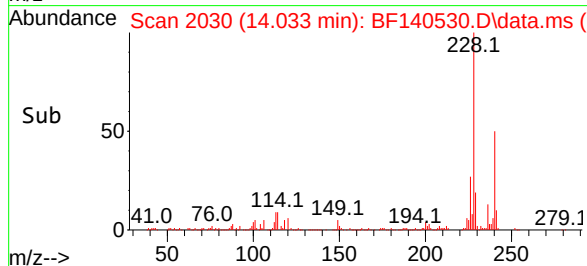
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

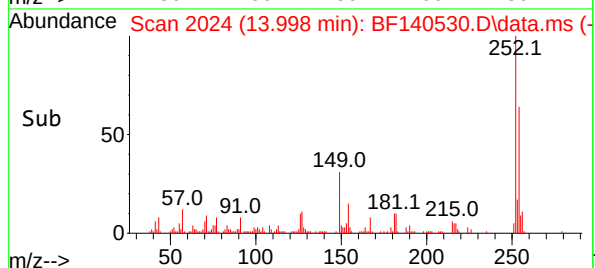
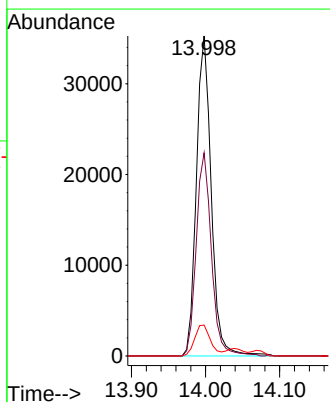
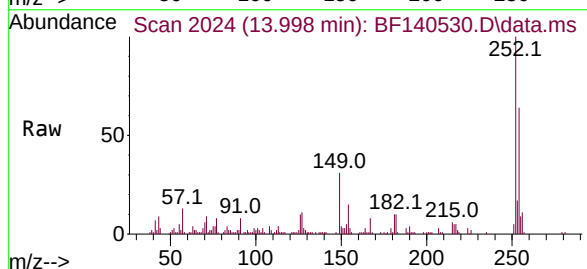
Manual Integrations
APPROVED

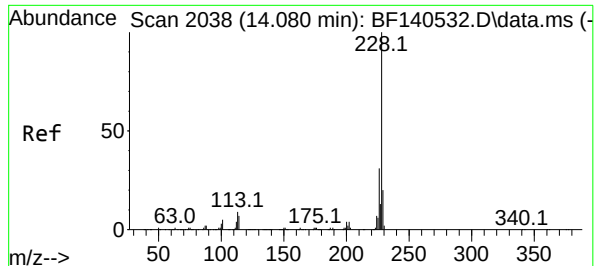
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

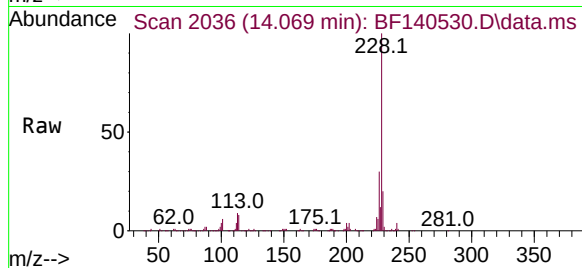
Tgt Ion:252 Resp: 49053
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 9.6 8.6 13.0





#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

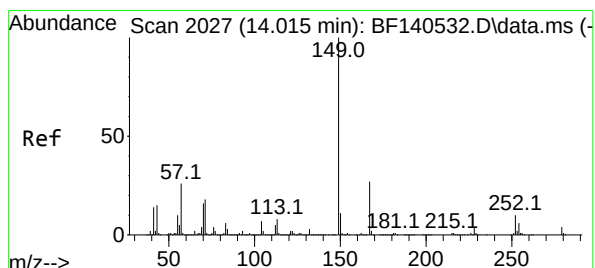
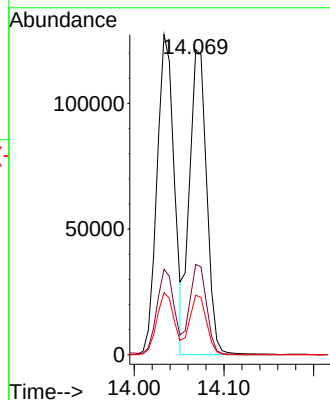
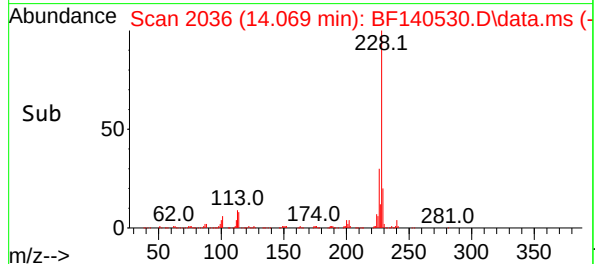
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

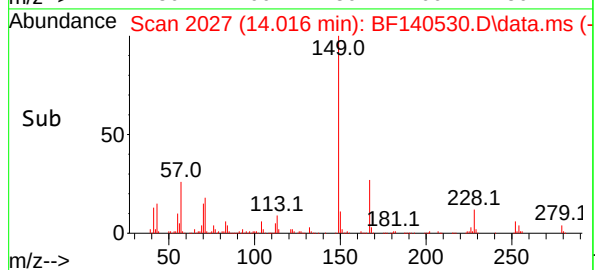
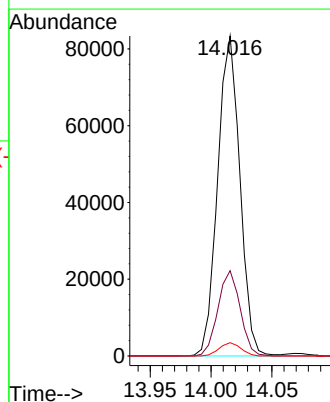
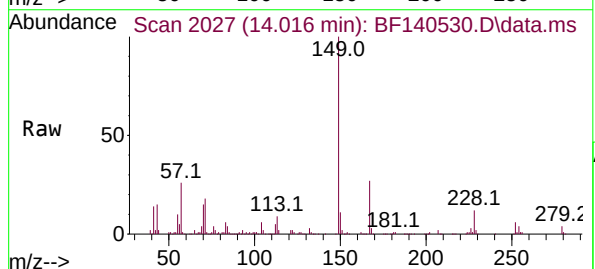
Manual Integrations
APPROVED

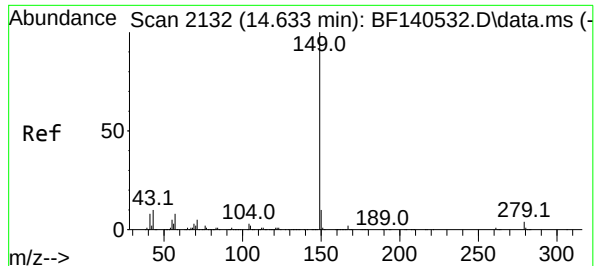
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

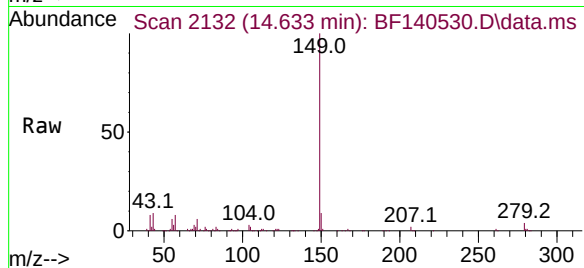
Tgt Ion:149 Resp: 106093
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 4.1 3.2 4.8





#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

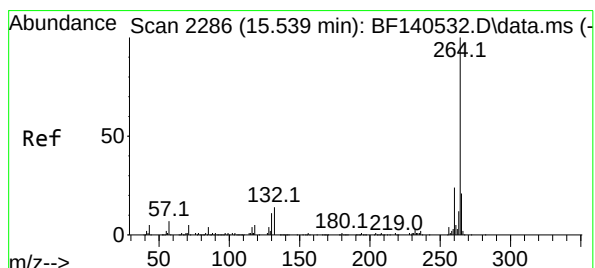
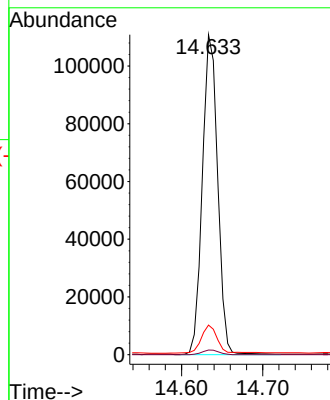
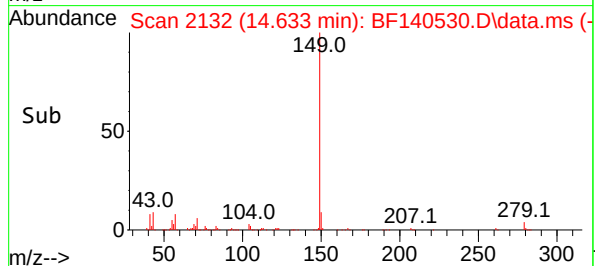
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

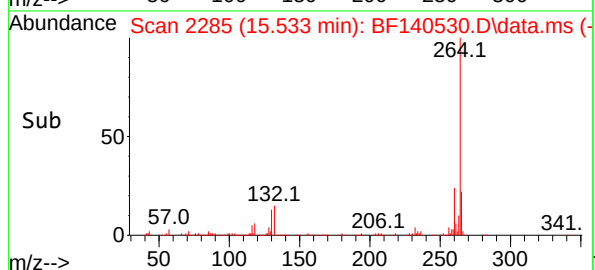
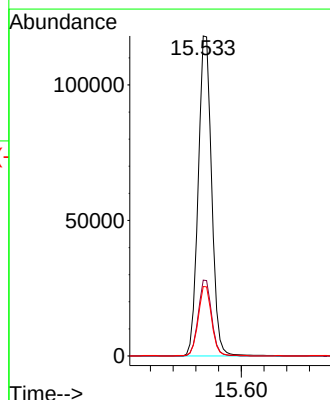
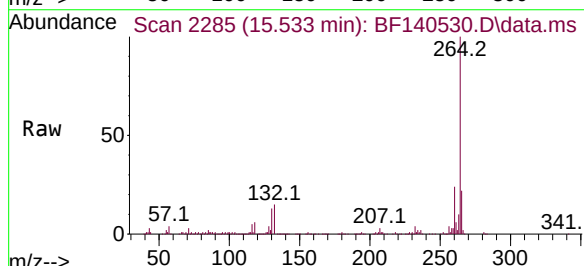
Manual Integrations
APPROVED

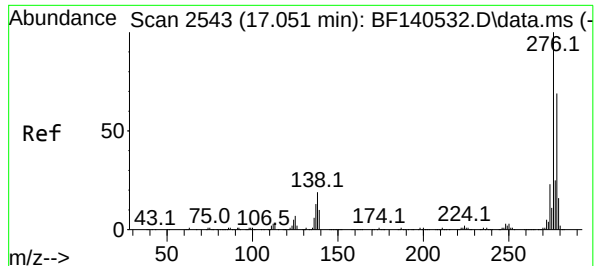
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





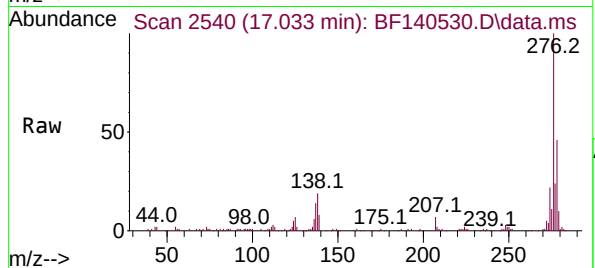
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.843 ng
RT: 17.033 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF140530.D
Acq: 21 Nov 2024 12:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

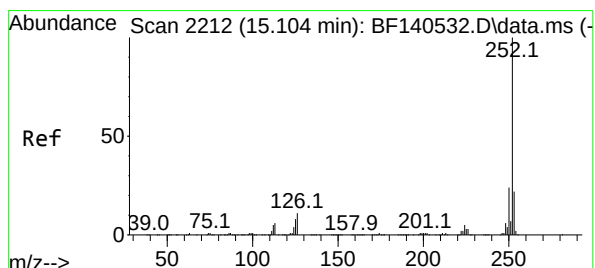
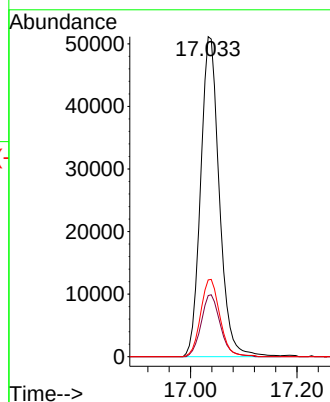
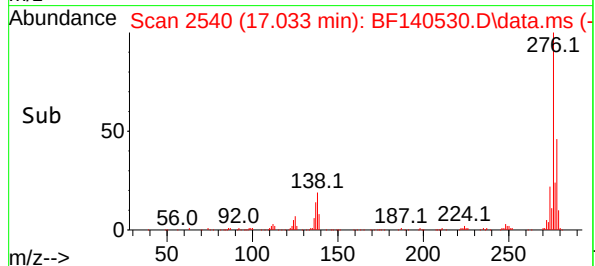


Tgt Ion:276 Resp: 124458
Ion Ratio Lower Upper
276 100
138 19.8 15.5 23.3
277 25.0 20.1 30.1

Manual Integrations

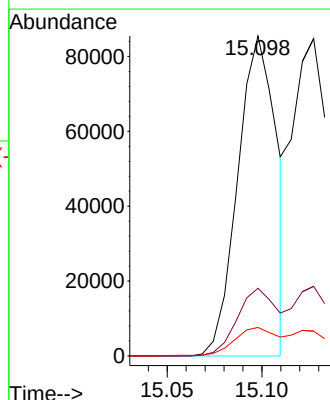
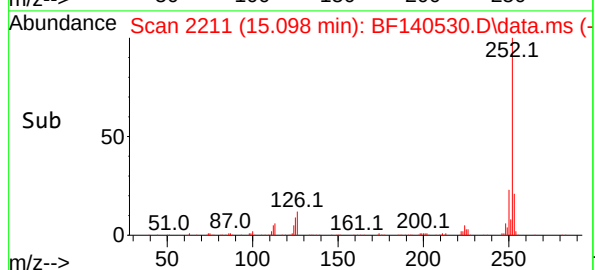
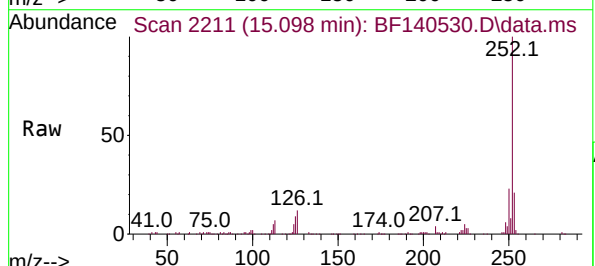
APPROVED

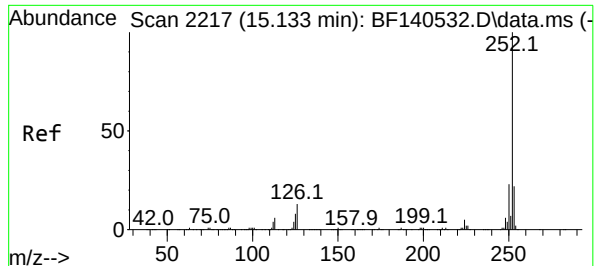
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

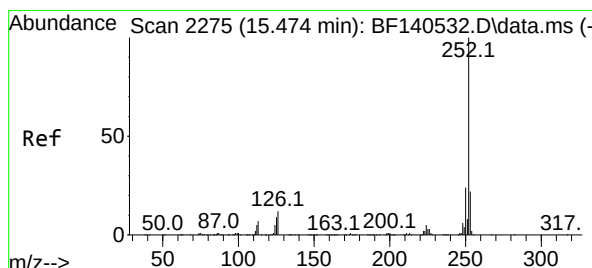
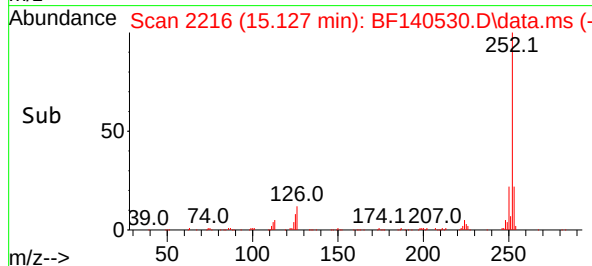
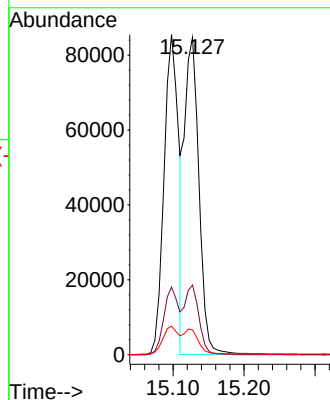
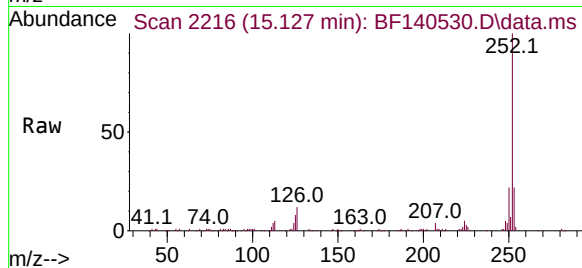
125 7.8 6.5 9.7

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

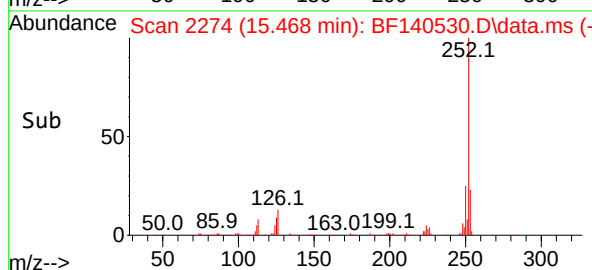
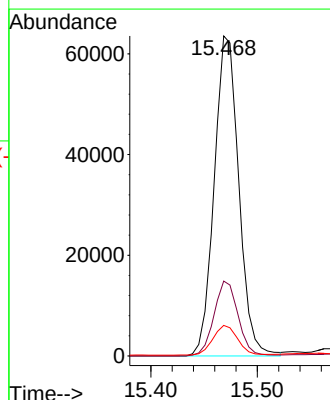
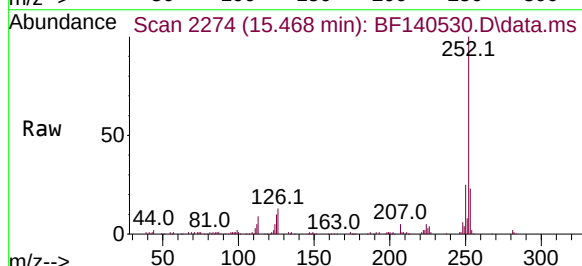
Tgt Ion:252 Resp: 101824

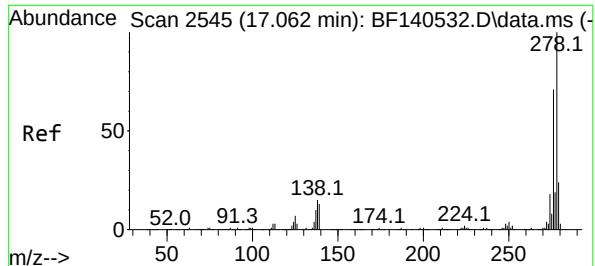
Ion Ratio Lower Upper

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

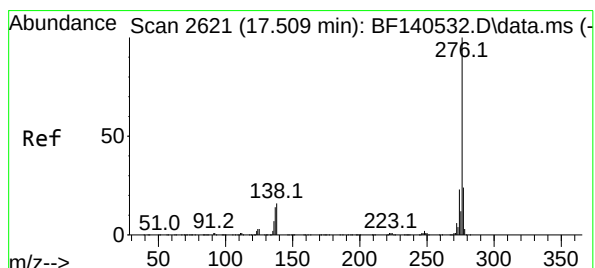
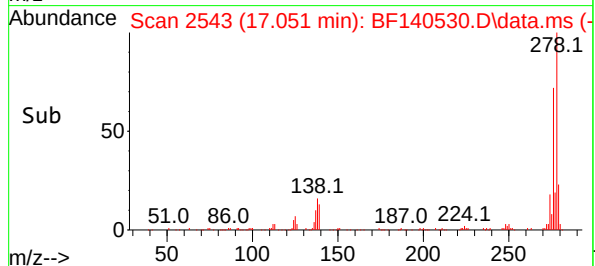
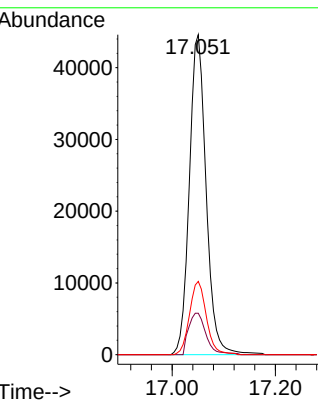
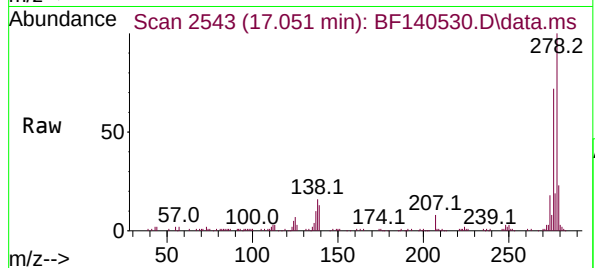
279 22.9 18.9 28.3

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

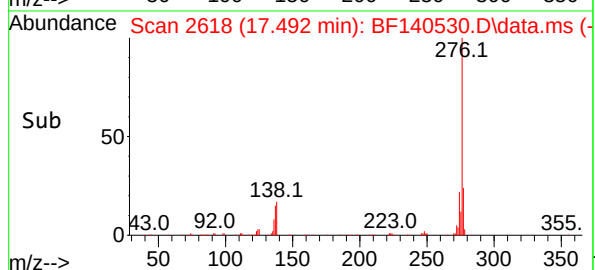
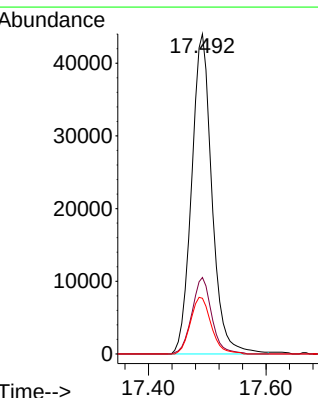
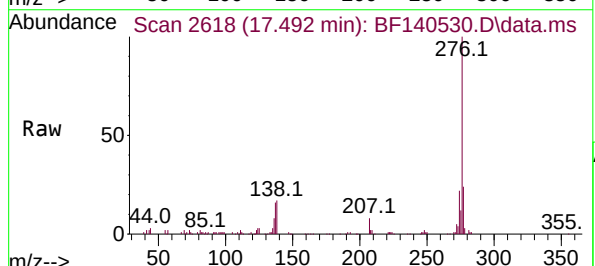
Tgt Ion:276 Resp: 105771

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

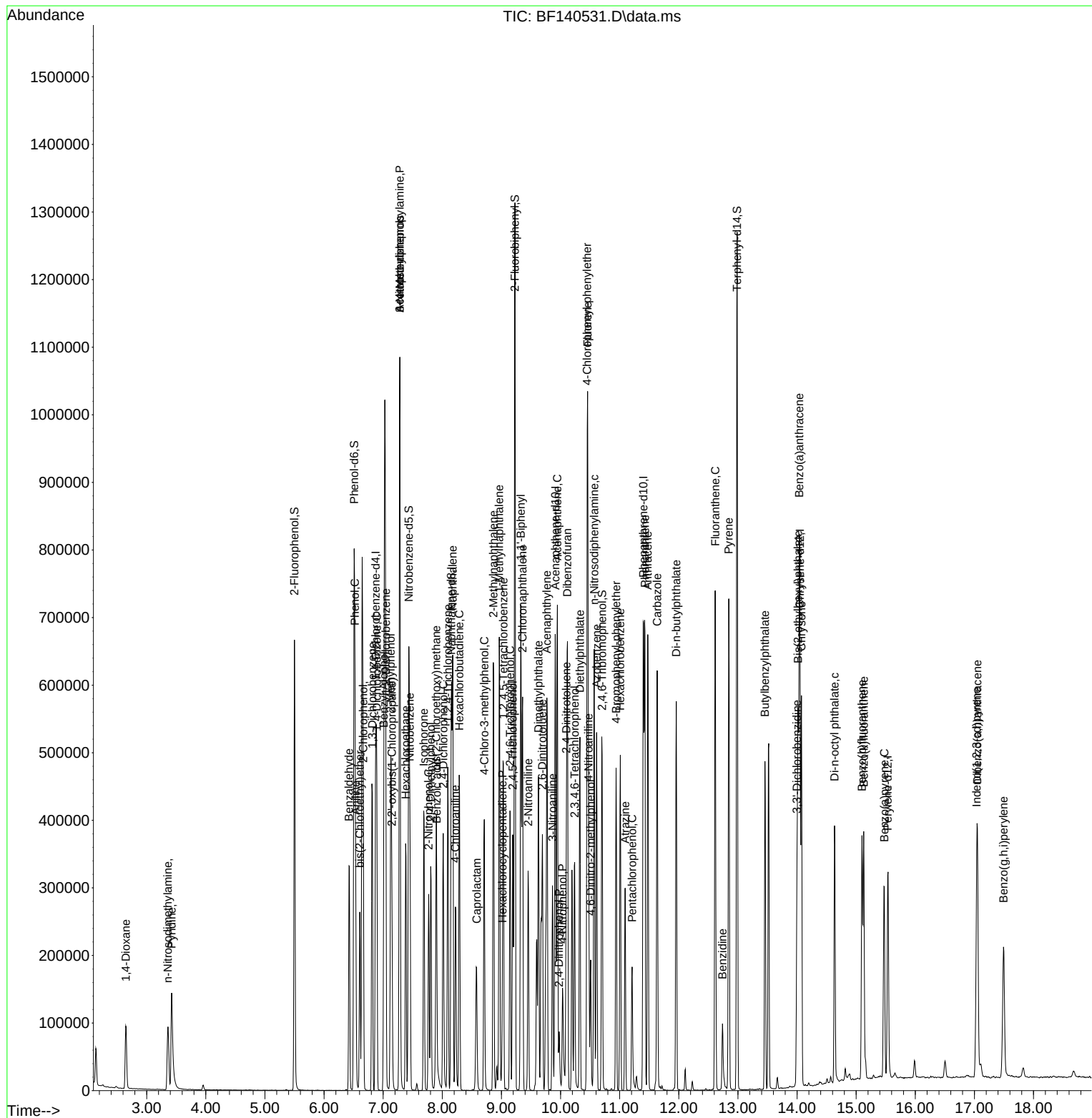
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140531.D
Acq On : 21 Nov 2024 12:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

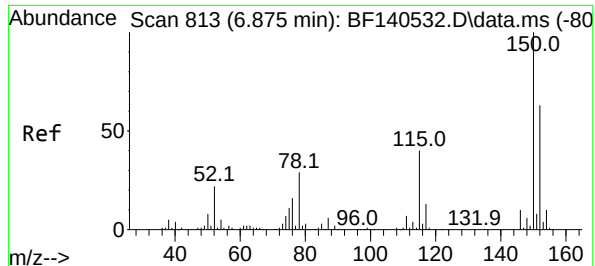
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Supervised By :mohammad ahmed 11/27/2024

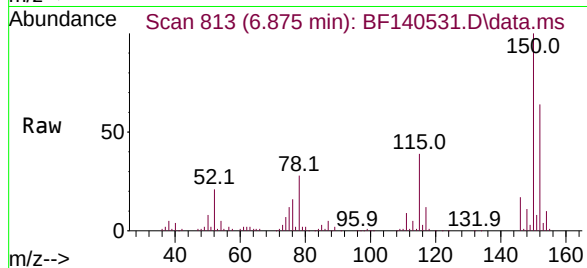
Quant Time: Nov 21 15:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#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

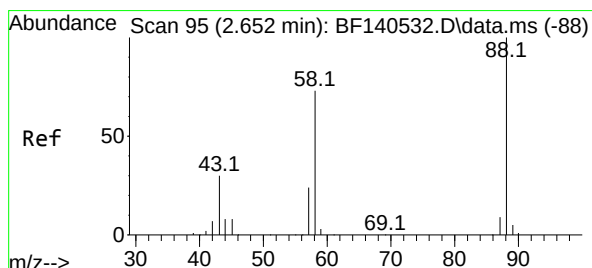
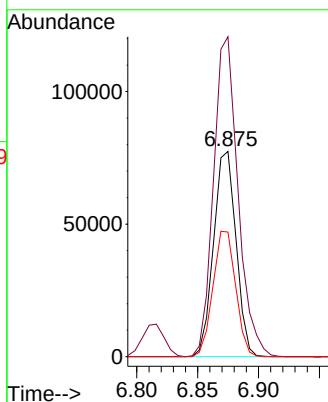
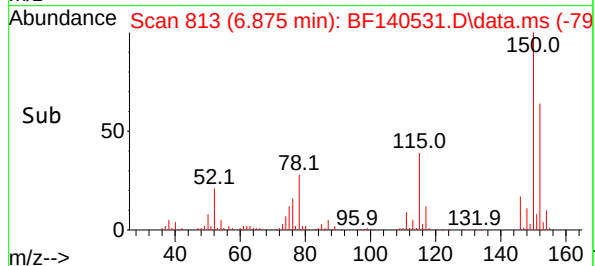
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

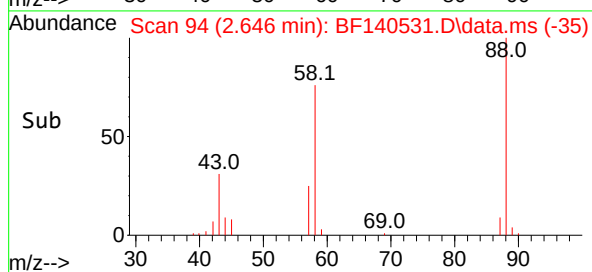
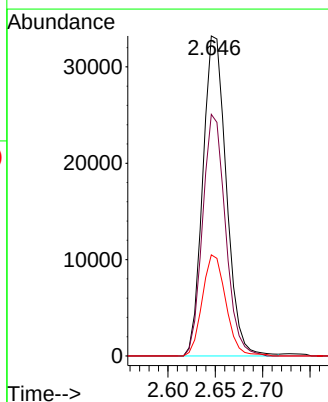
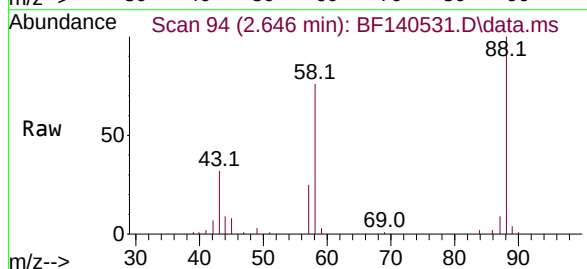
Manual Integrations
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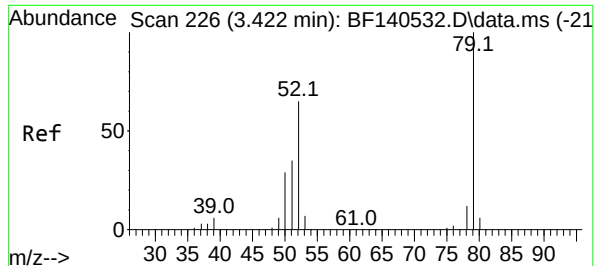
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

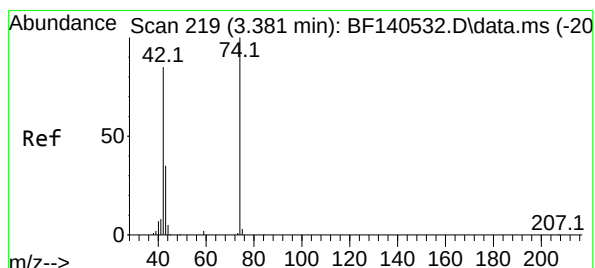
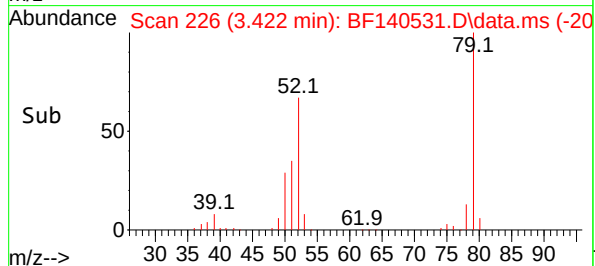
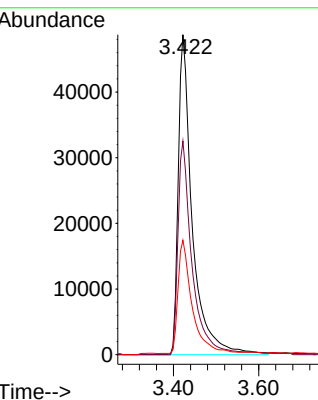
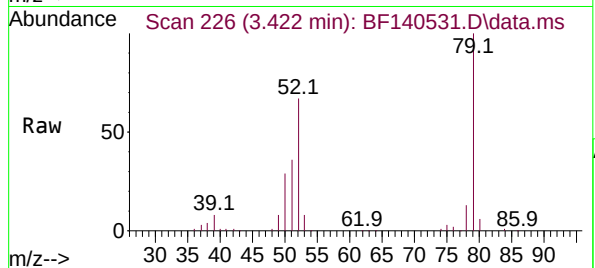
51 35.8 27.8 41.8

Manual Integrations

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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

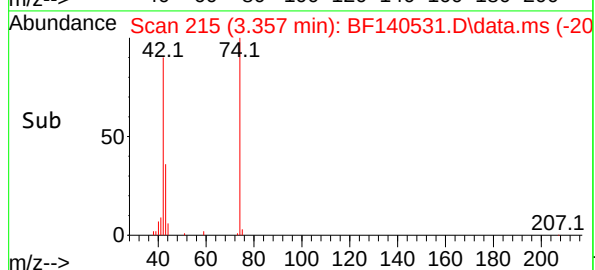
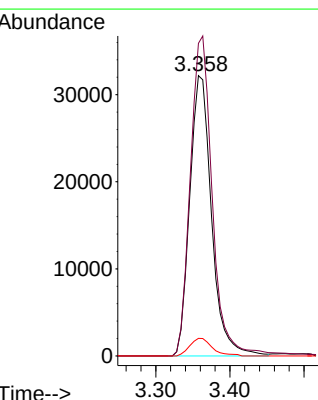
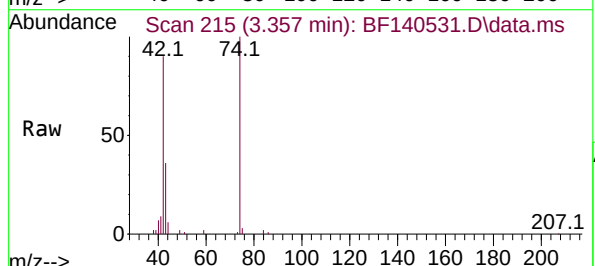
Tgt Ion: 42 Resp: 65851

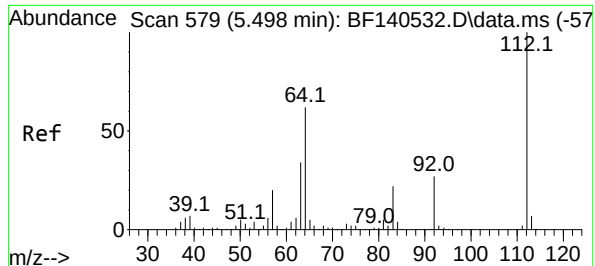
Ion Ratio Lower Upper

42 100

74 111.5 93.8 140.6

44 6.3 4.6 6.8





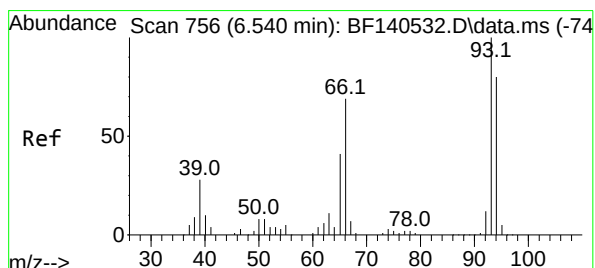
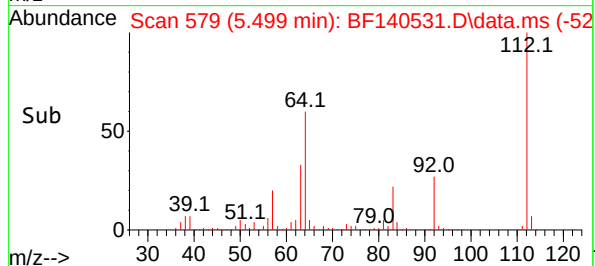
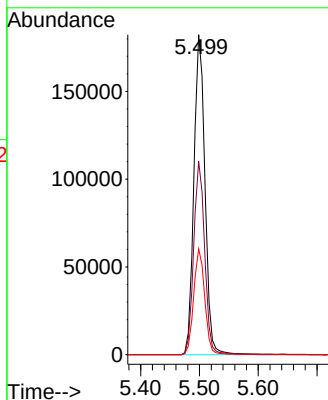
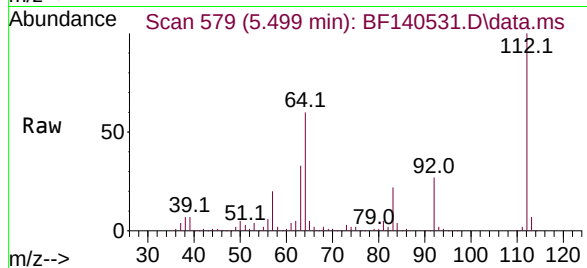
#5
2-Fluorophenol
Concen: 41.017 ng
RT: 5.499 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

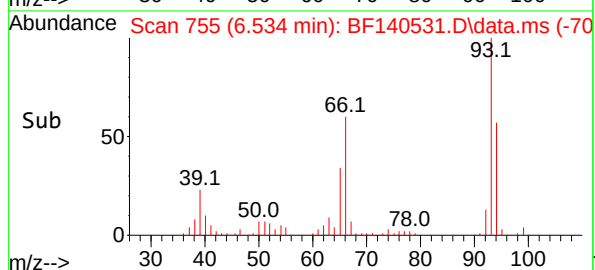
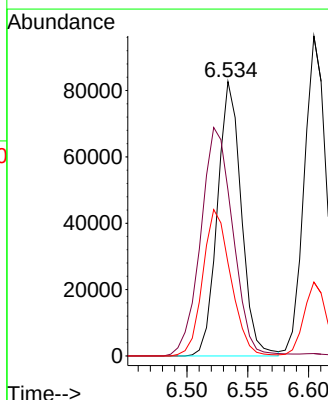
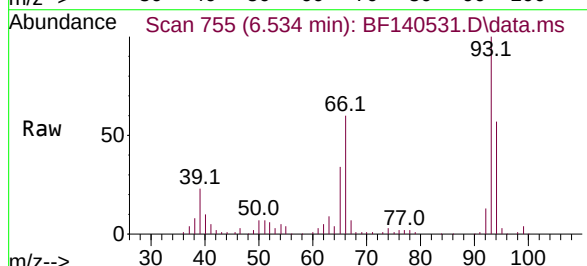
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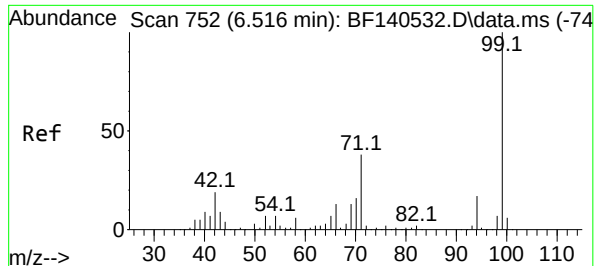
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

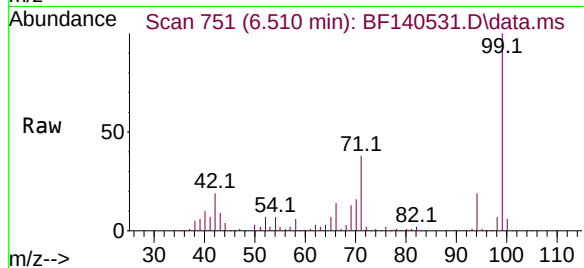
Tgt Ion: 93 Resp: 112828
Ion Ratio Lower Upper
93 100
66 60.4 56.5 84.7
65 34.0 32.9 49.3





#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

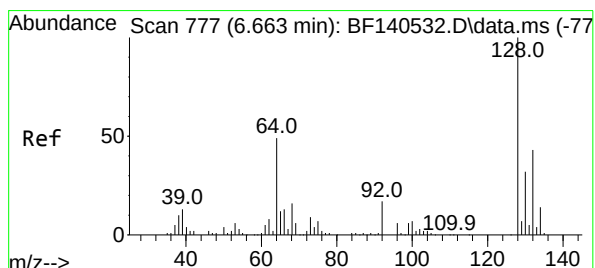
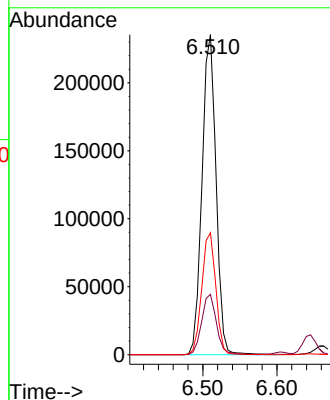
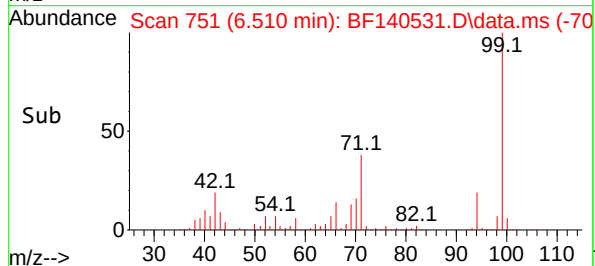
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

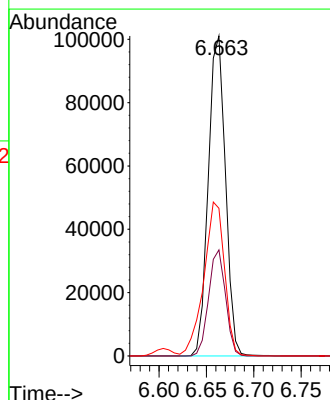
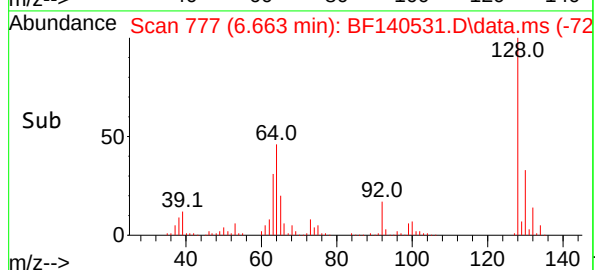
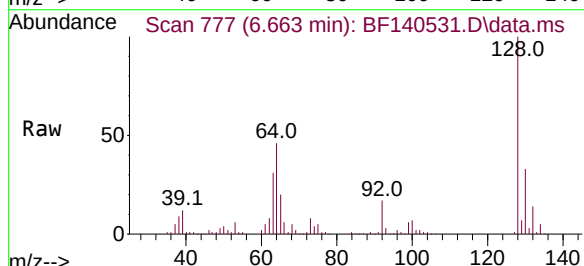
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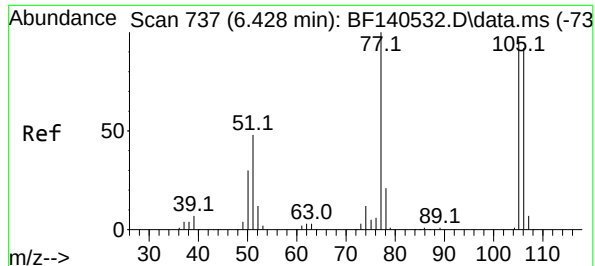
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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 :

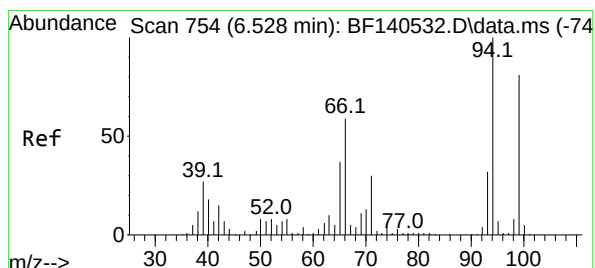
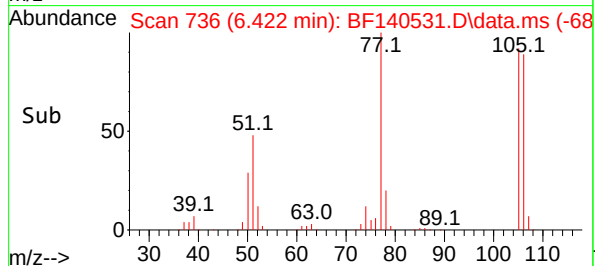
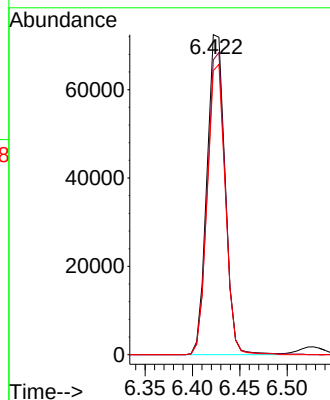
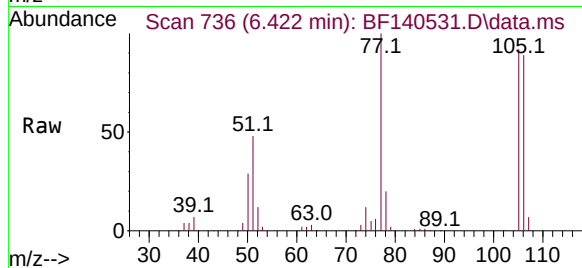
SSTDICC020

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

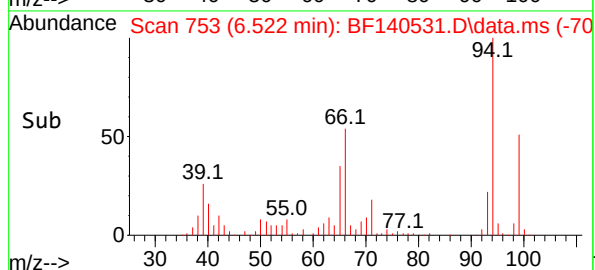
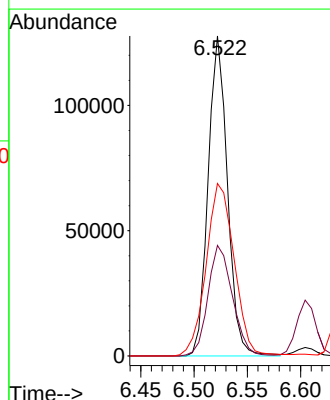
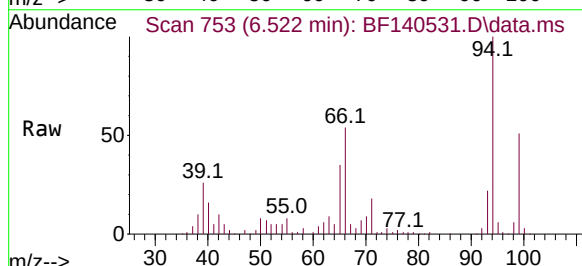
RT: 6.522 min Scan# 753

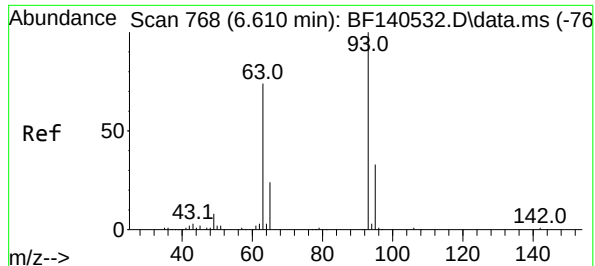
Delta R.T. -0.006 min

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

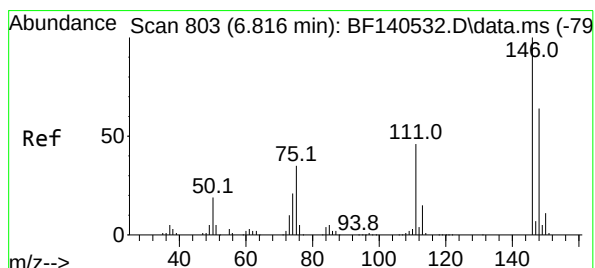
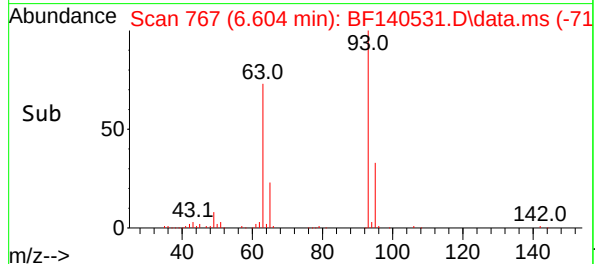
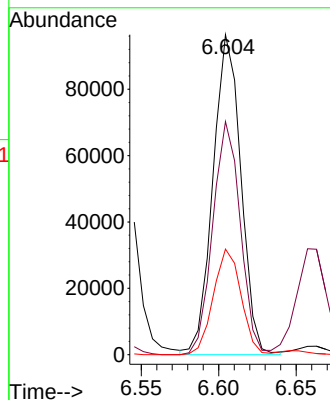
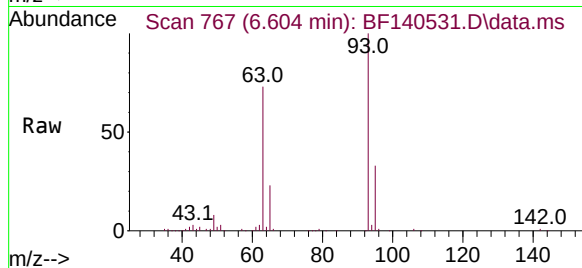
95 33.0 12.3 52.3

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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

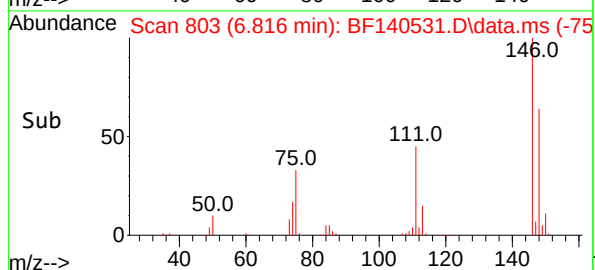
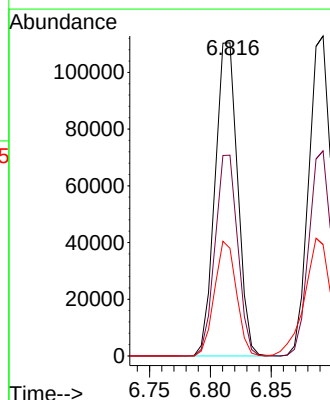
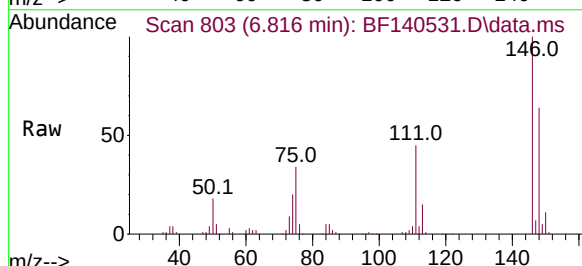
Tgt Ion:146 Resp: 142704

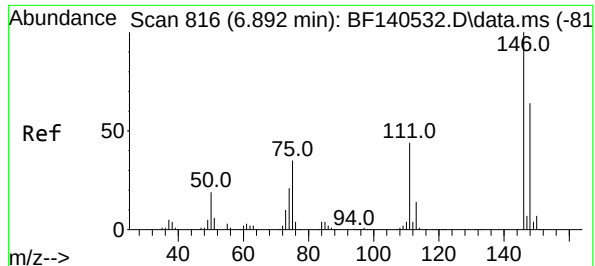
Ion Ratio Lower Upper

146 100

148 64.2 51.3 76.9

75 34.4 28.2 42.2





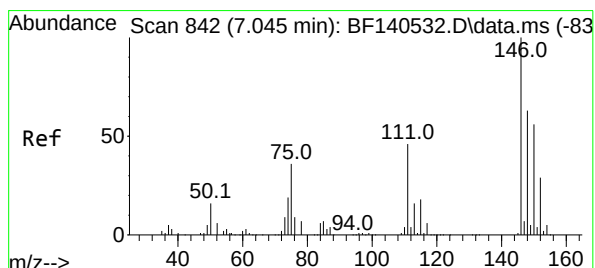
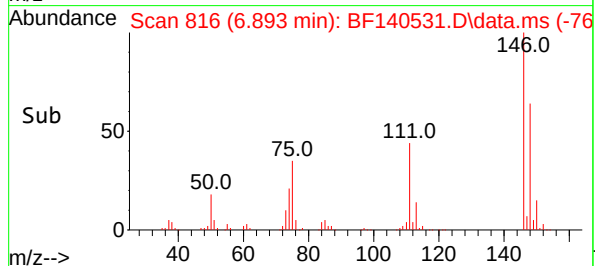
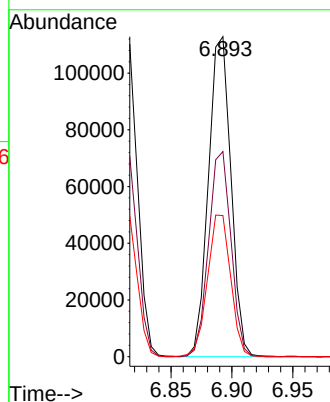
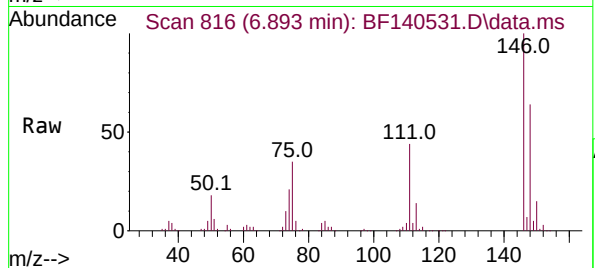
#13
1,4-Dichlorobenzene
Concen: 20.293 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

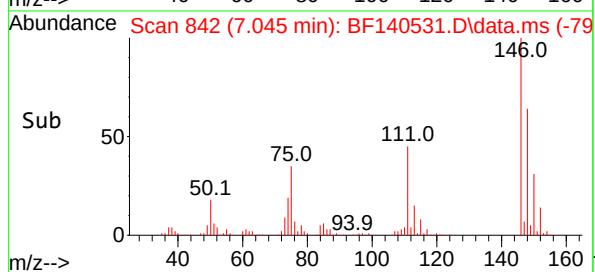
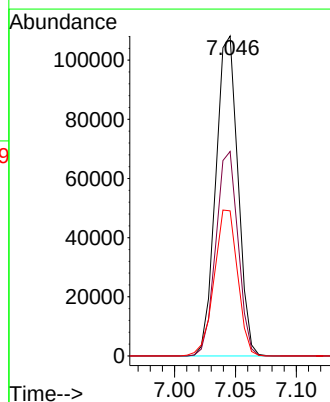
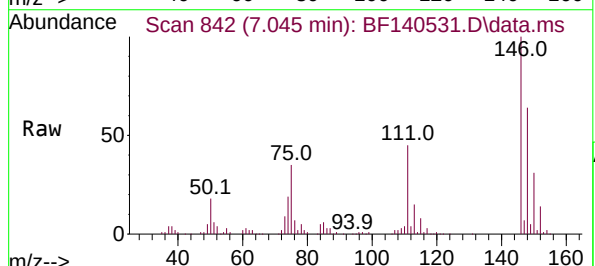
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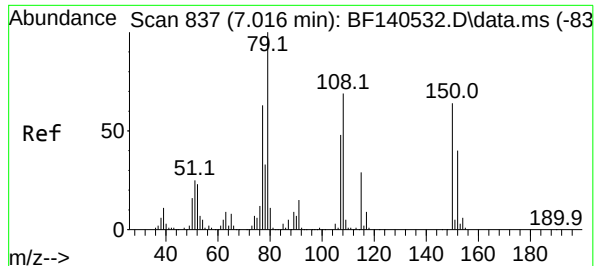
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

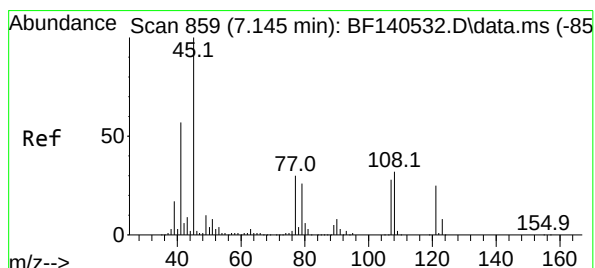
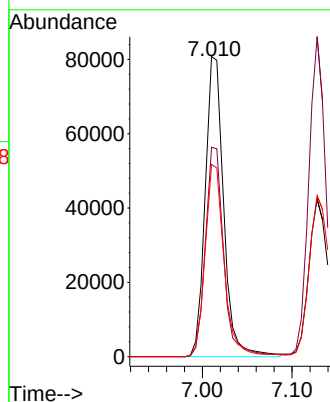
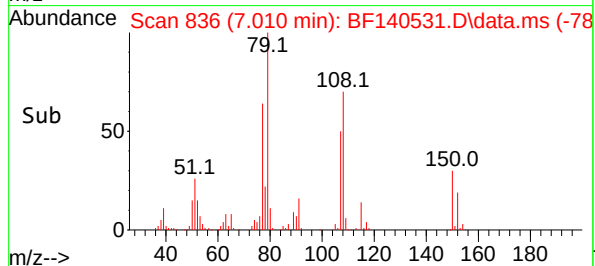
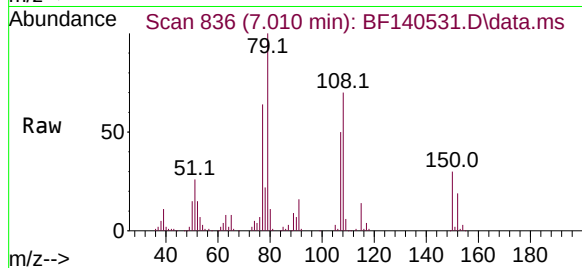
77 64.0 50.1 75.1

Manual Integrations

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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

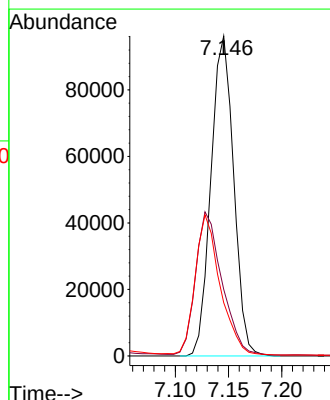
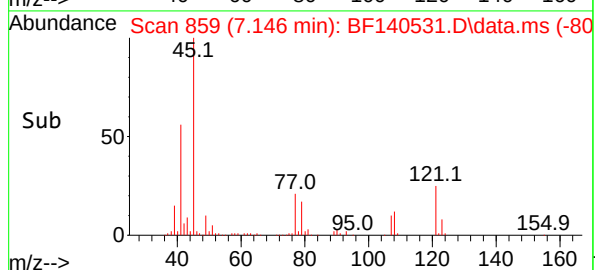
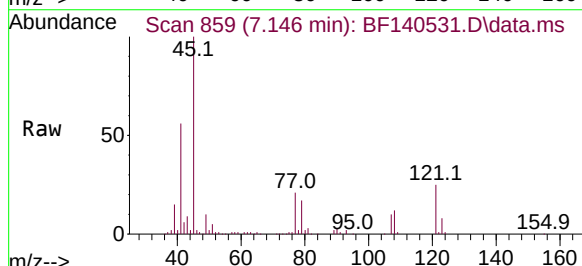
Tgt Ion: 45 Resp: 142742

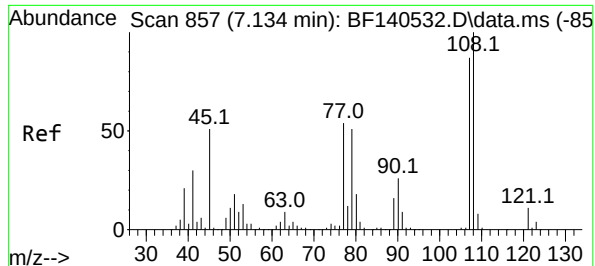
Ion Ratio Lower Upper

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# 81

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: 10289

Ion Ratio Lower Upper

107 100

108 109.8 91.7 137.5

77 55.3 49.3 73.9

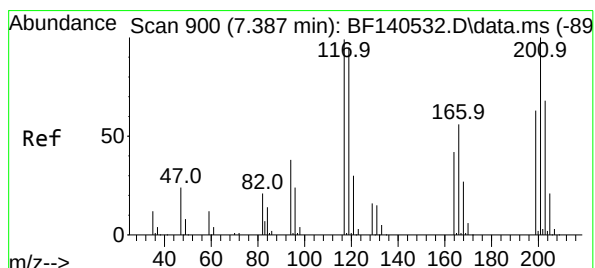
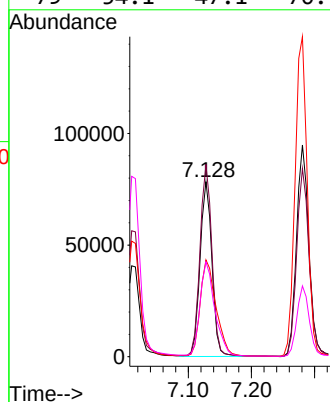
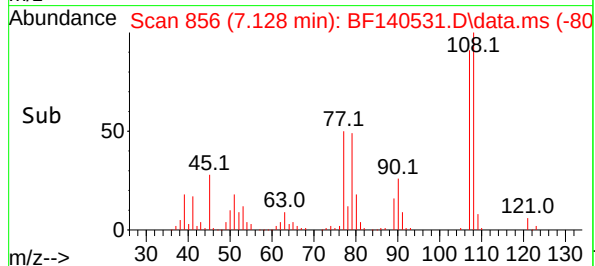
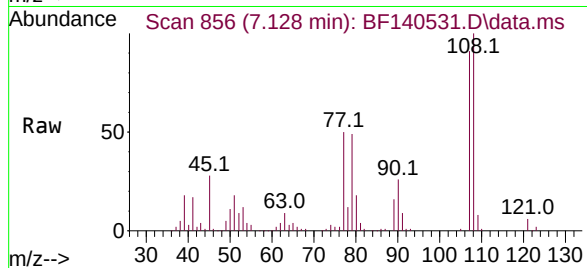
79 54.1 47.1 70.7

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

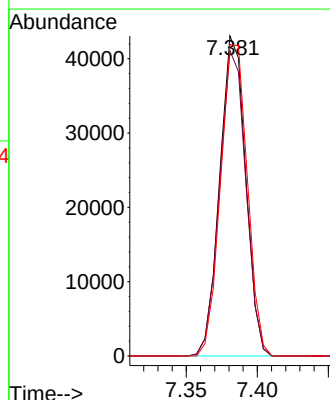
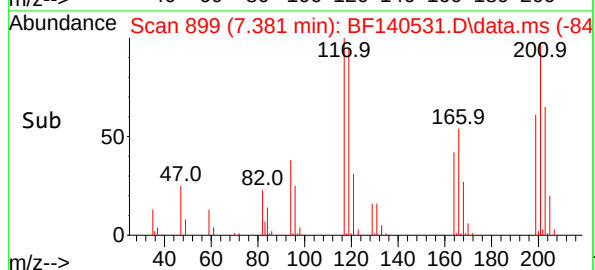
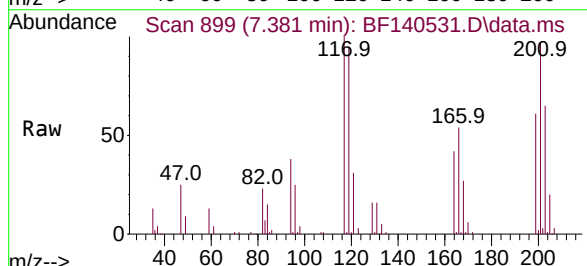
Tgt Ion:117 Resp: 54624

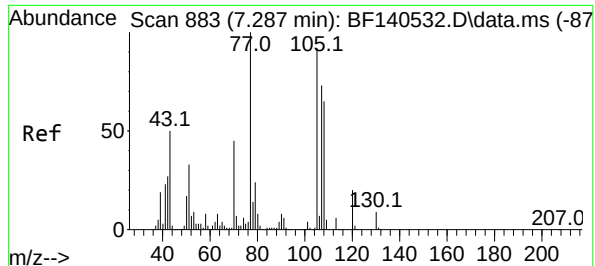
Ion Ratio Lower Upper

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

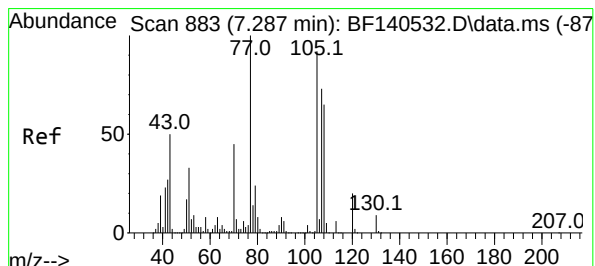
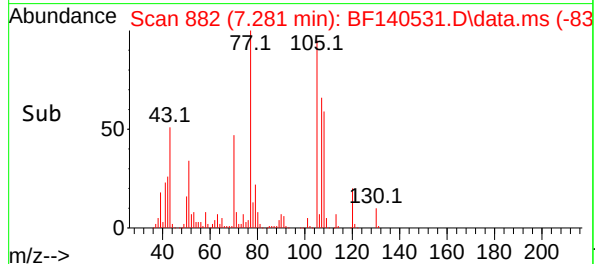
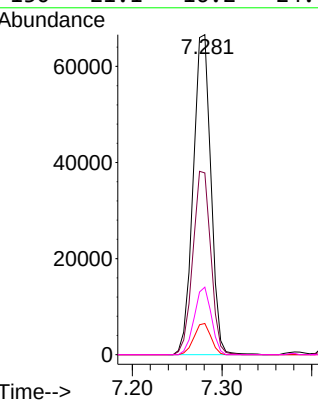
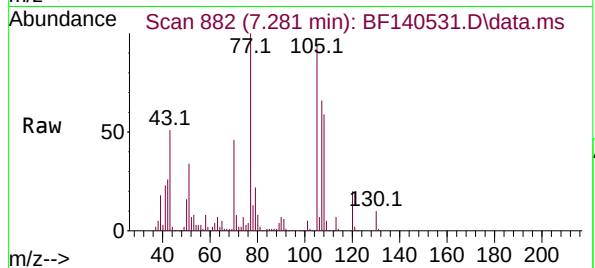
130 21.1 16.2 24.4

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

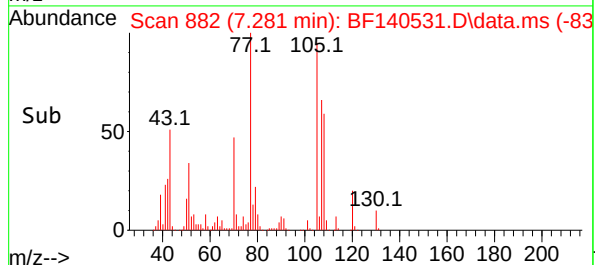
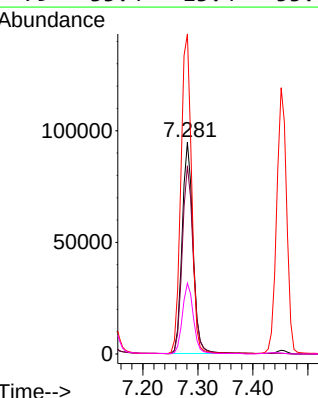
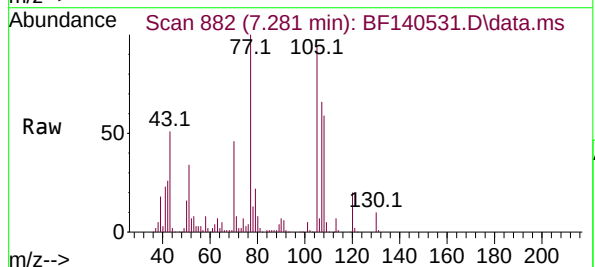
Ion Ratio Lower Upper

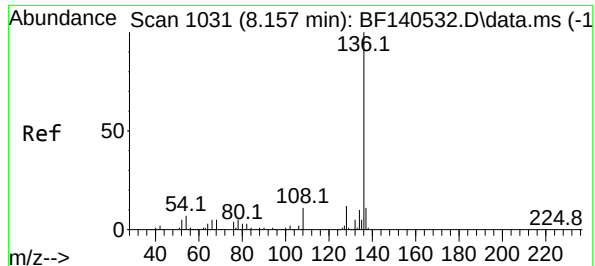
107 100

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

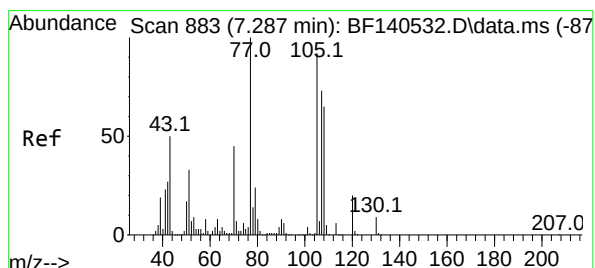
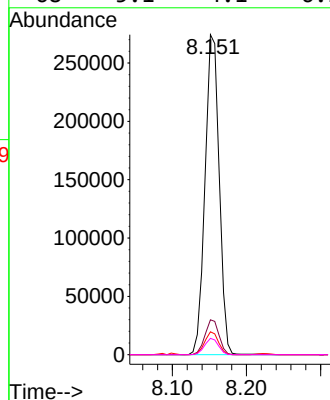
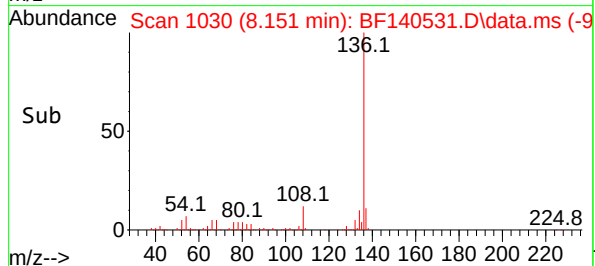
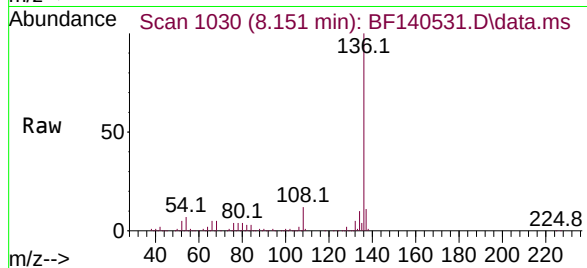
68 5.1 4.1 6.1

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

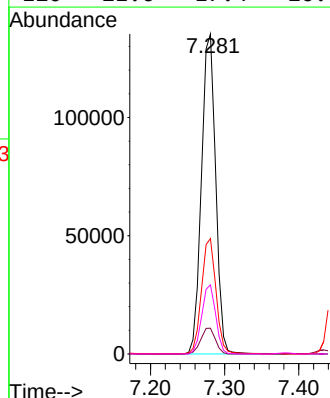
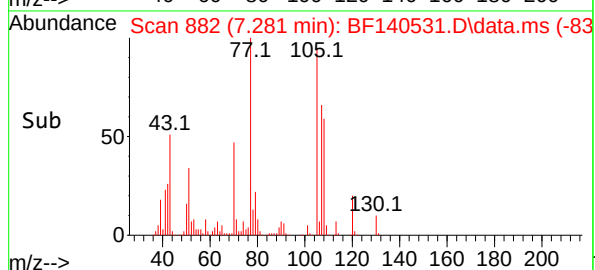
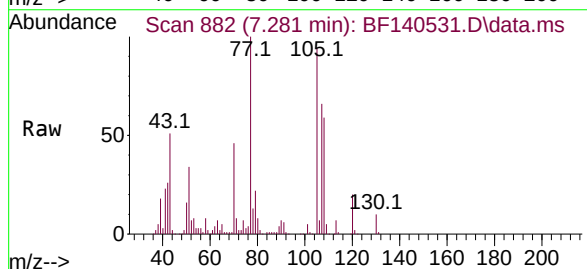
Ion Ratio Lower Upper

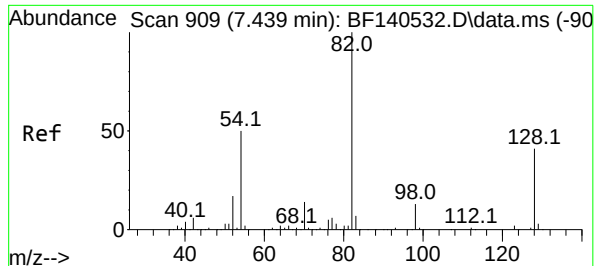
105 100

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

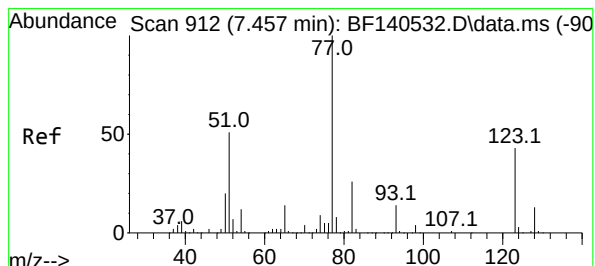
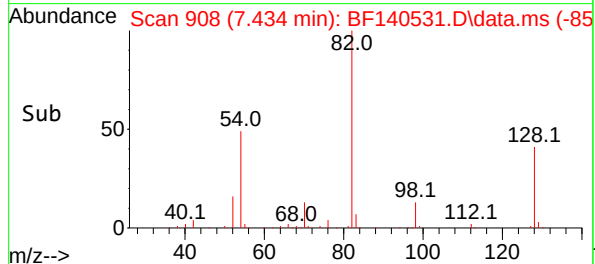
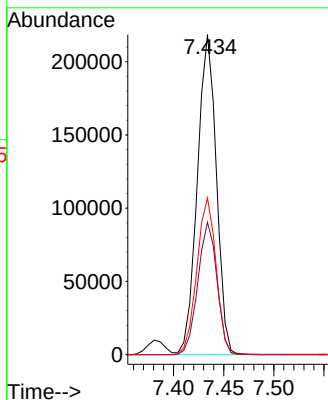
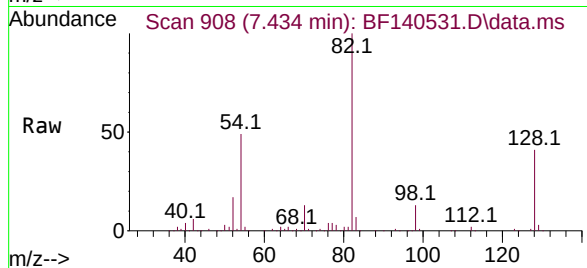
54 49.0 39.5 59.3

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

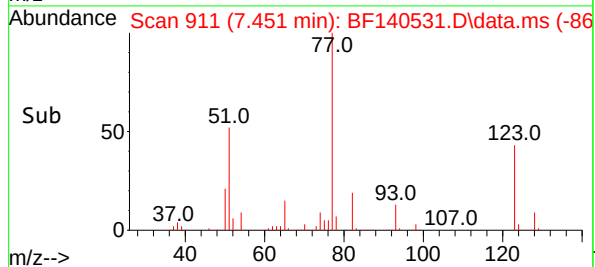
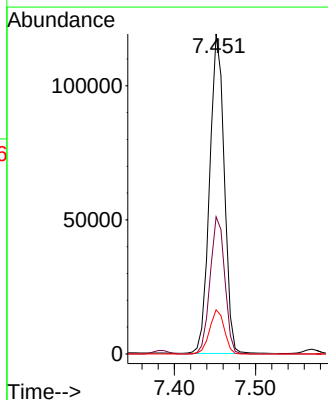
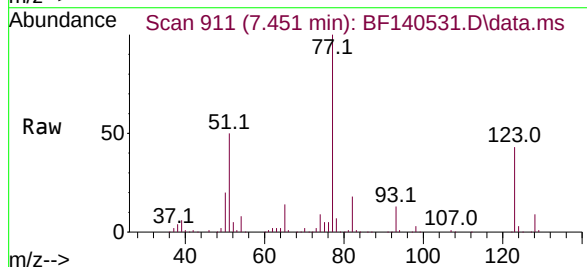
Tgt Ion: 77 Resp: 148986

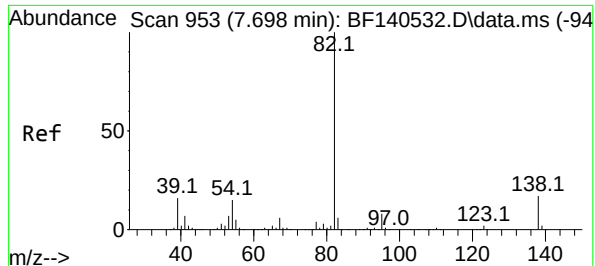
Ion Ratio Lower Upper

77 100

123 42.9 34.3 51.5

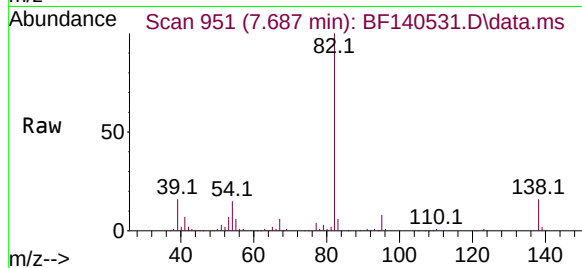
65 13.8 11.2 16.8





#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

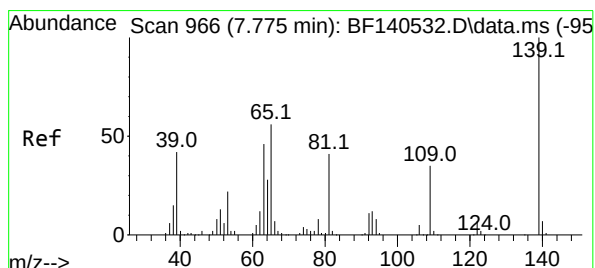
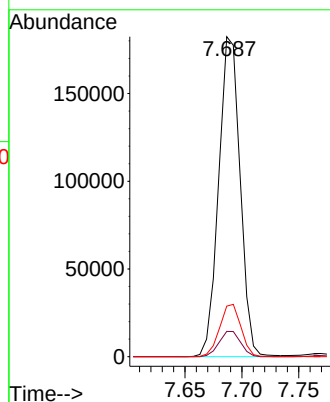
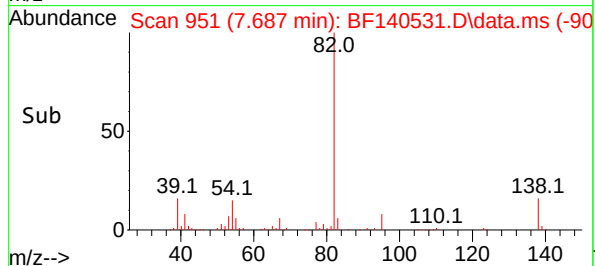
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

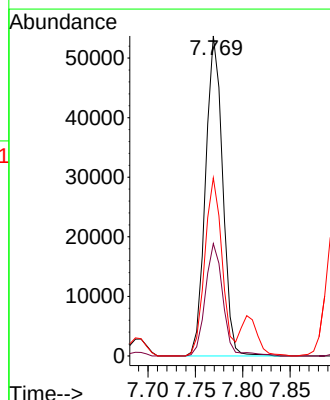
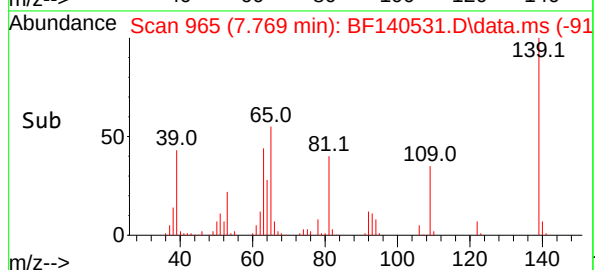
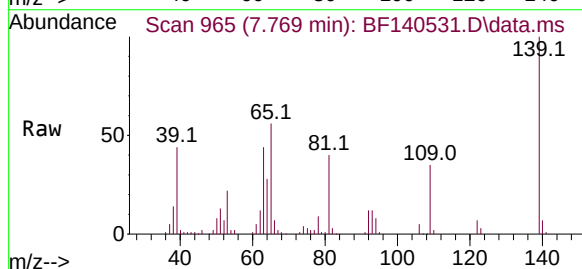
Manual Integrations
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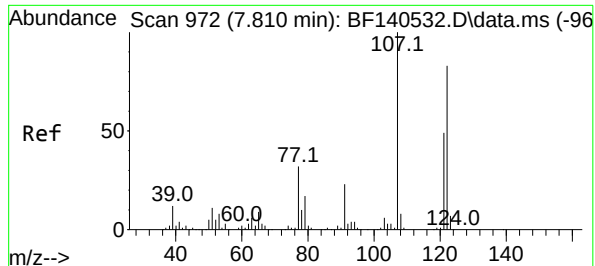
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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 :

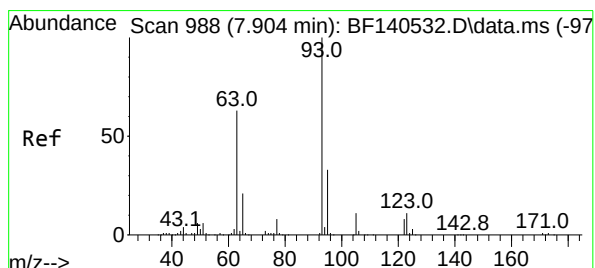
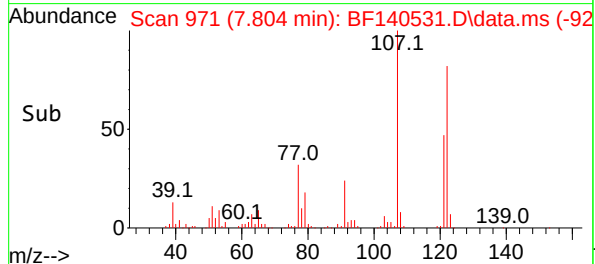
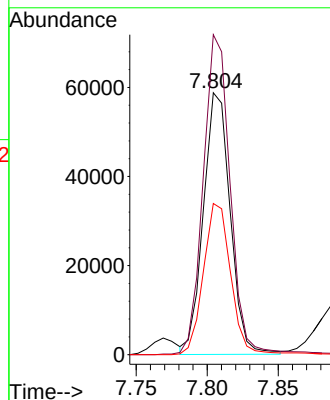
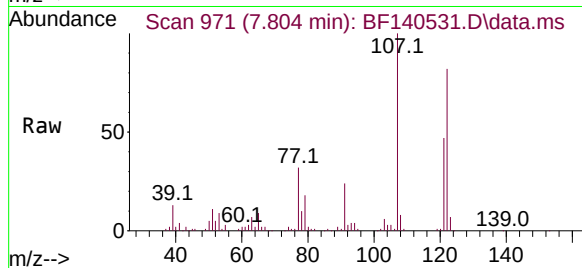
SSTDICC020

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.2	96.8	145.2
121	57.7	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: 20.277 ng

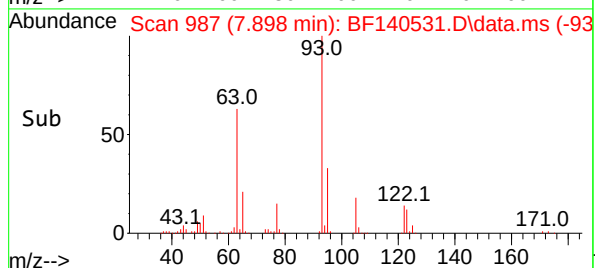
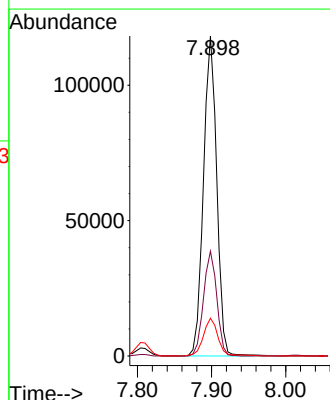
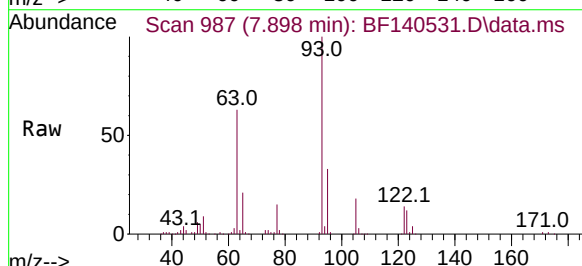
RT: 7.898 min Scan# 987

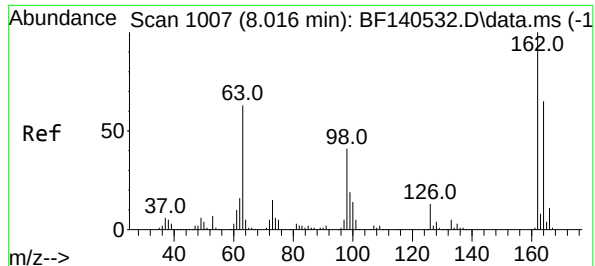
Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32

Tgt Ion	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

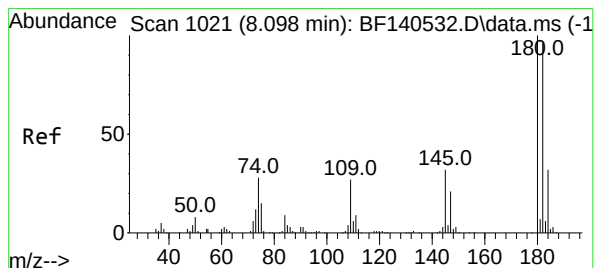
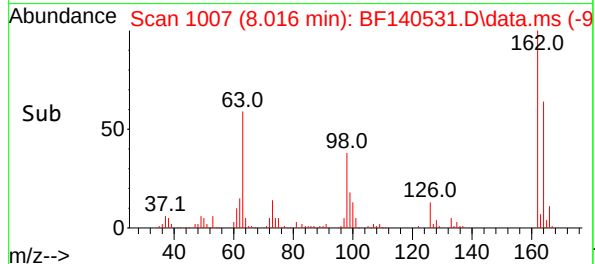
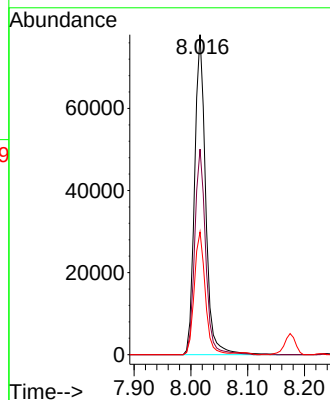
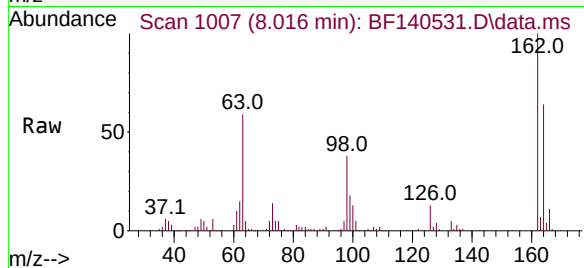
98 38.3 21.2 61.2

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

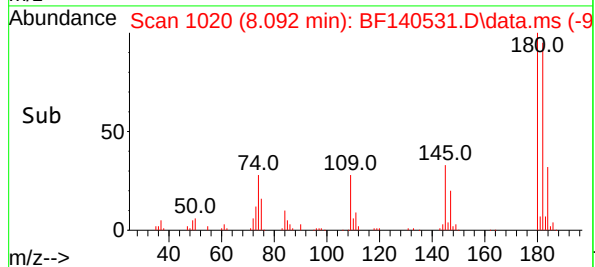
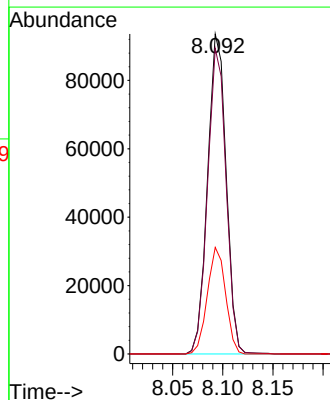
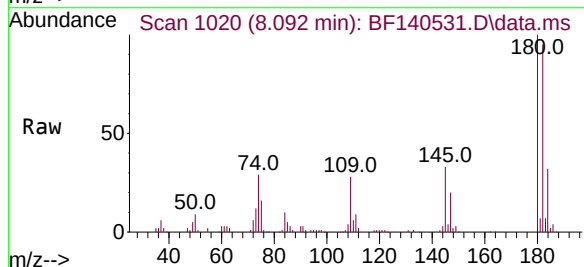
Tgt Ion:180 Resp: 120949

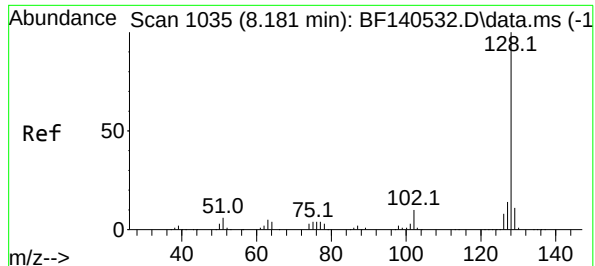
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 33.3 25.9 38.9





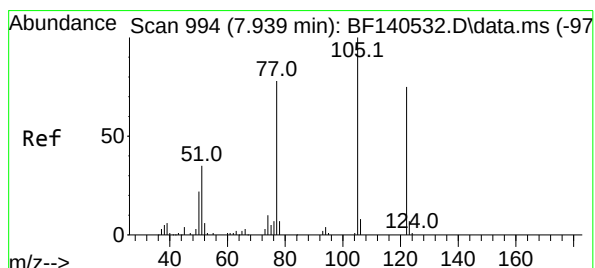
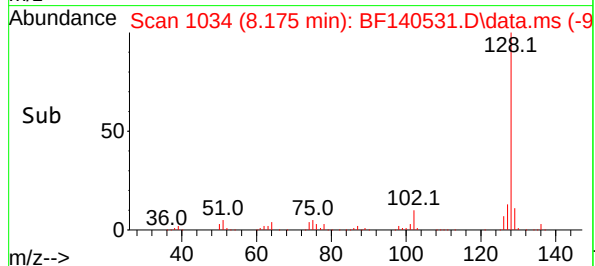
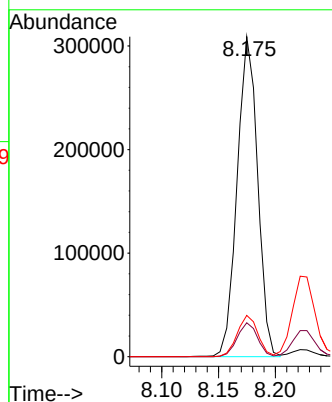
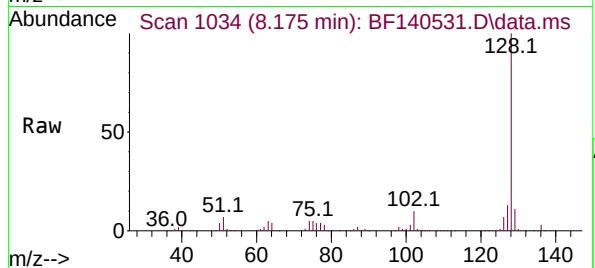
#31
Naphthalene
Concen: 20.614 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

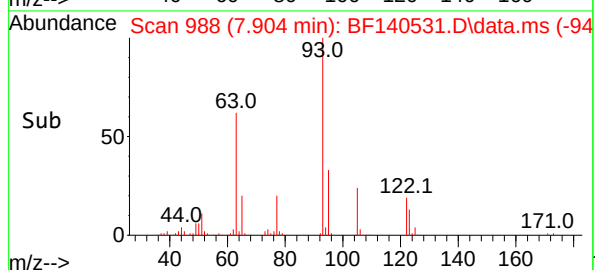
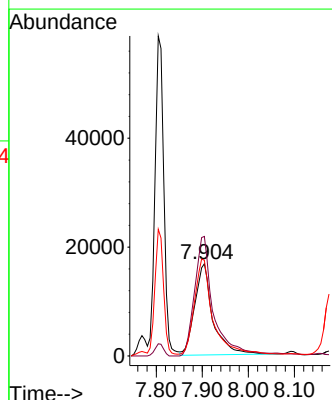
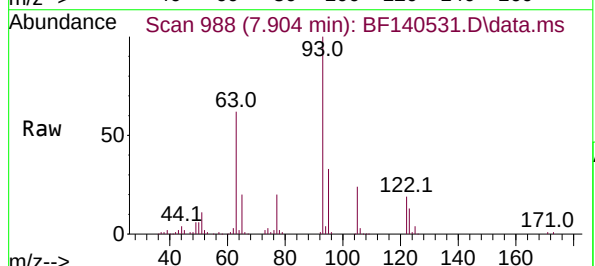
Manual Integrations
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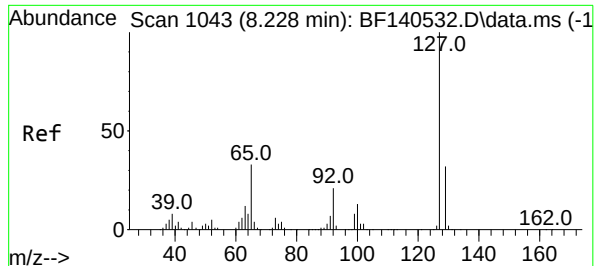
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

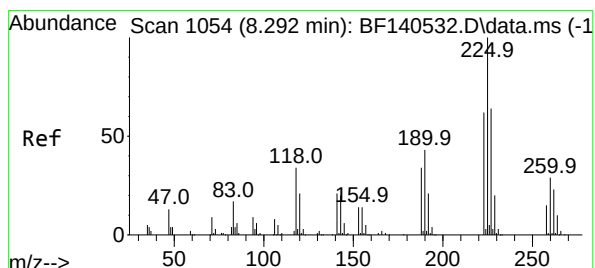
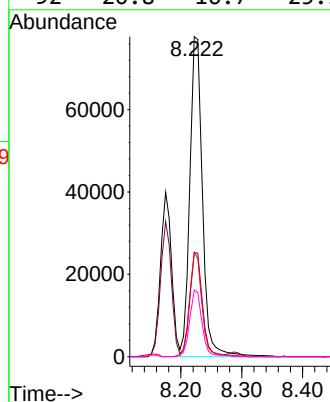
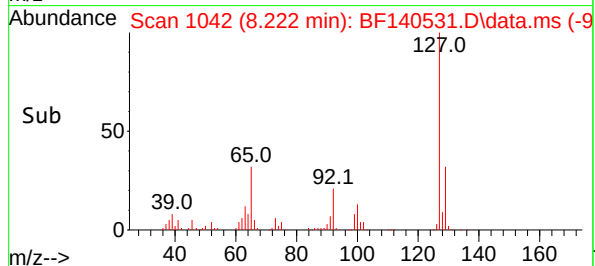
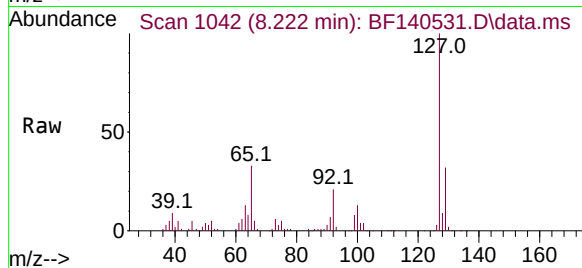
92 20.8 16.7 25.1

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

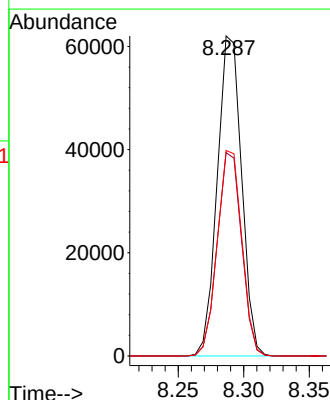
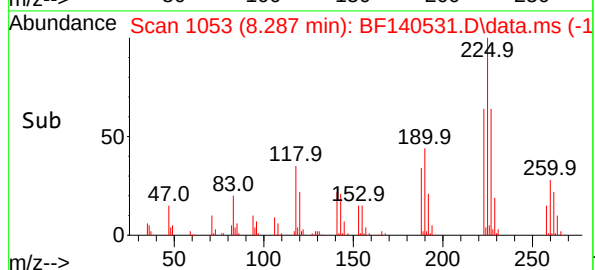
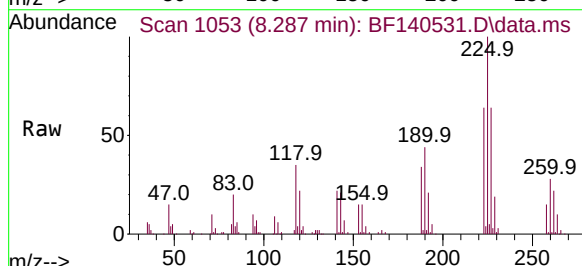
Tgt Ion:225 Resp: 79980

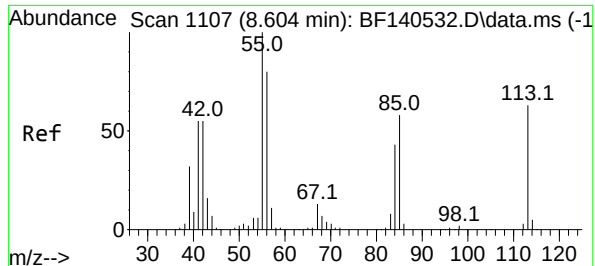
Ion Ratio Lower Upper

225 100

223 63.5 49.8 74.8

227 64.2 51.3 76.9





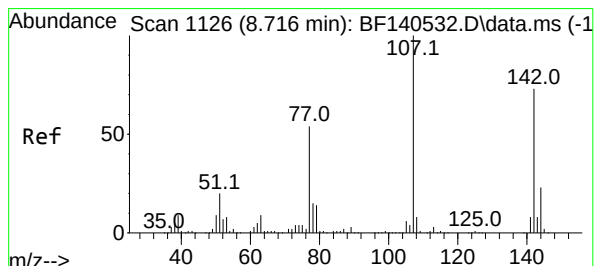
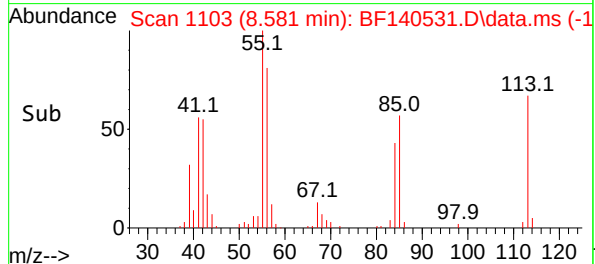
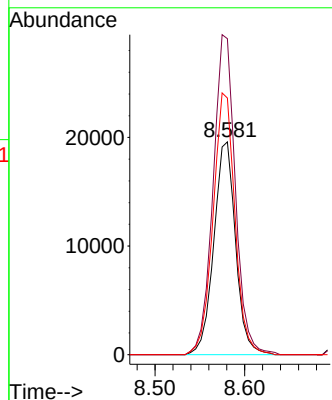
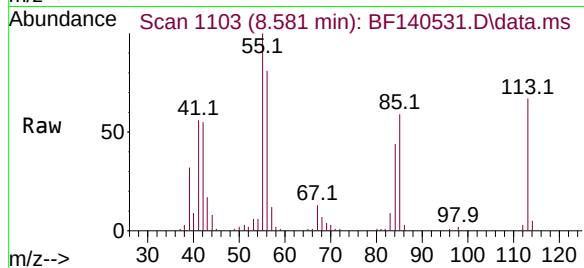
#35
Caprolactam
Concen: 20.609 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

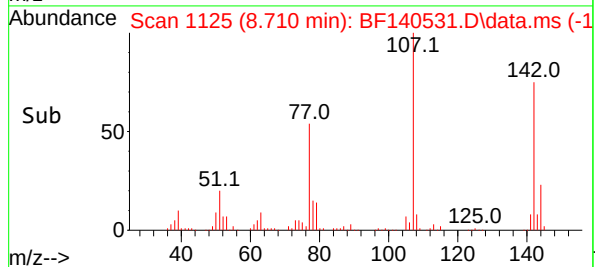
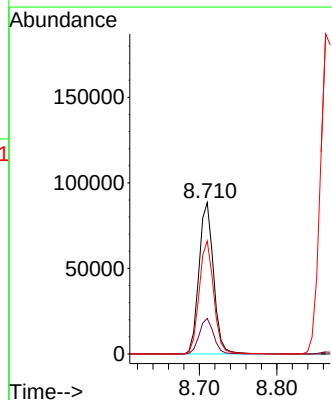
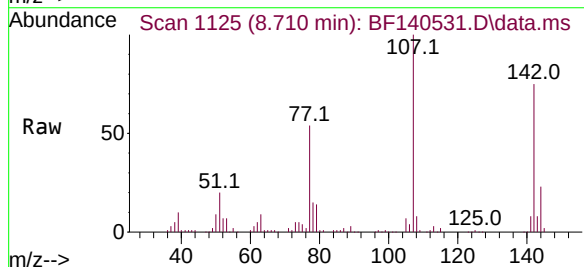
Manual Integrations
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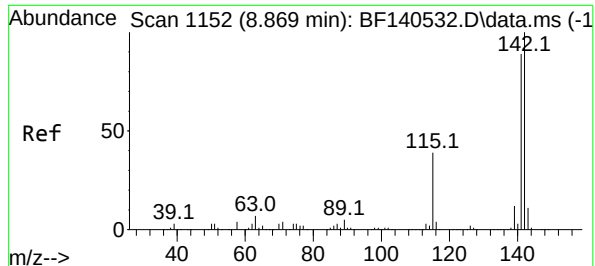
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

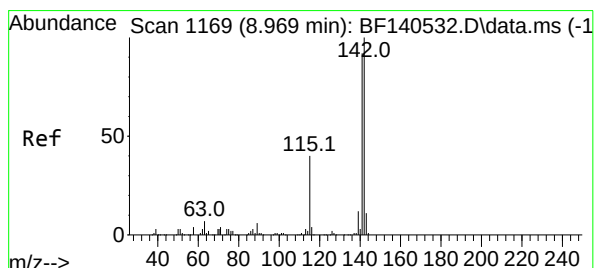
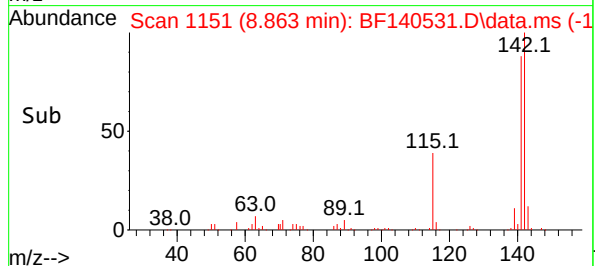
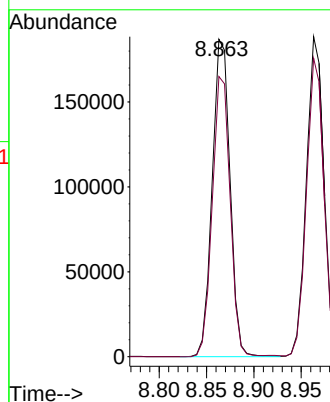
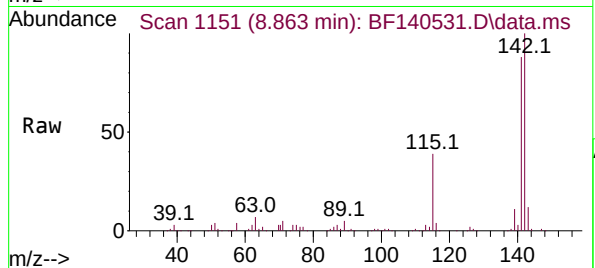
141 88.2 71.0 106.6

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

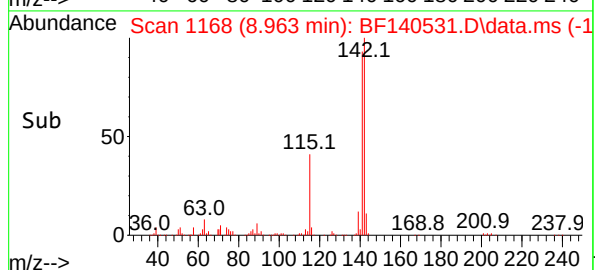
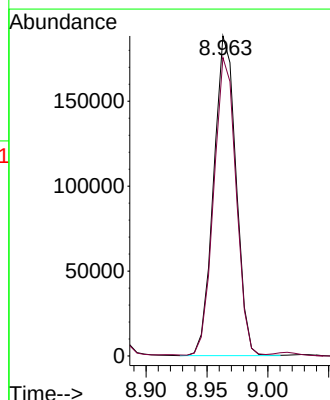
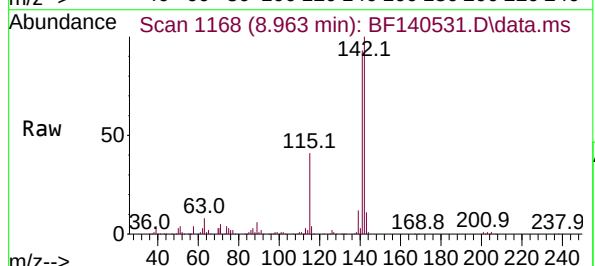
Acq: 21 Nov 2024 12:32

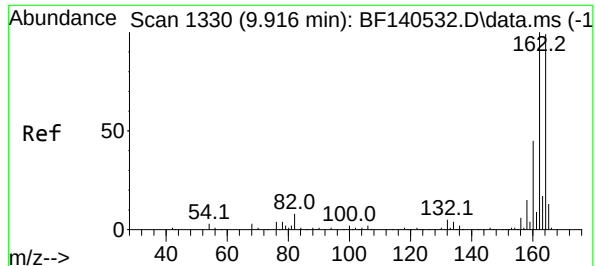
Tgt Ion:142 Resp: 240502

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

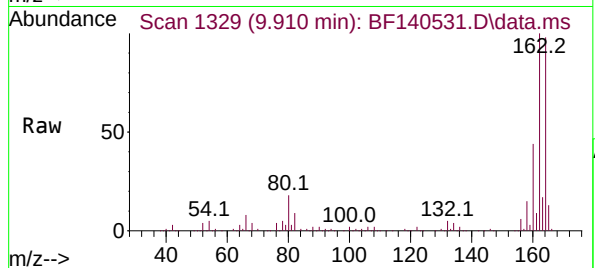
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 19880

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

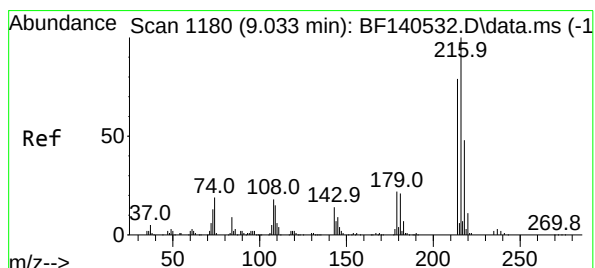
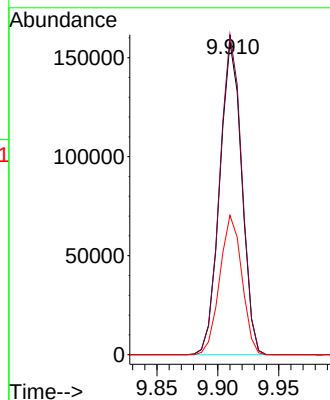
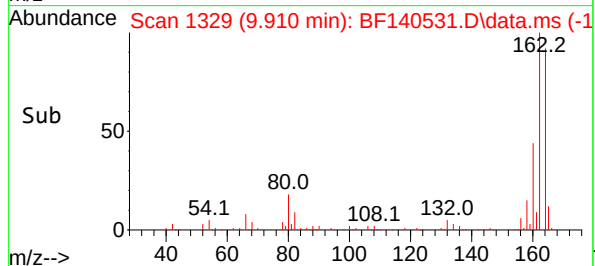
160 44.6 36.2 54.4

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#40

1,2,4,5-Tetrachlorobenzene

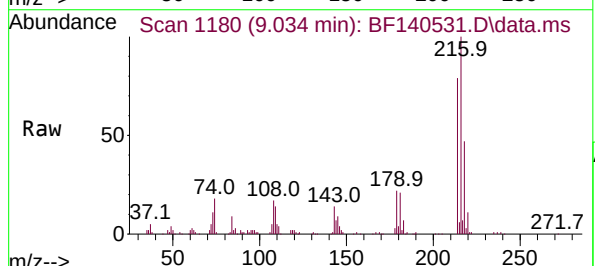
Concen: 20.695 ng

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

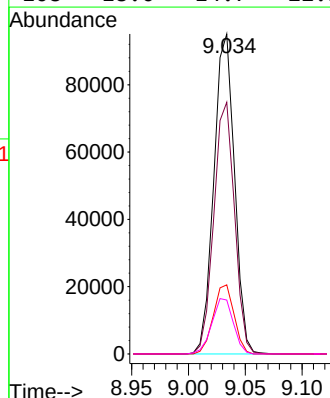
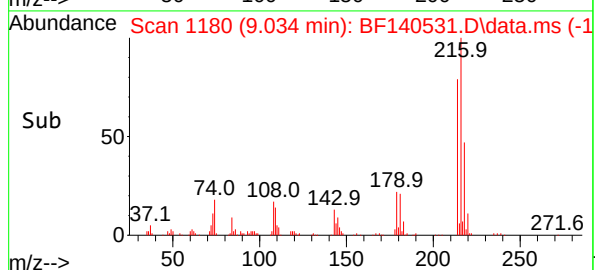
Ion Ratio Lower Upper

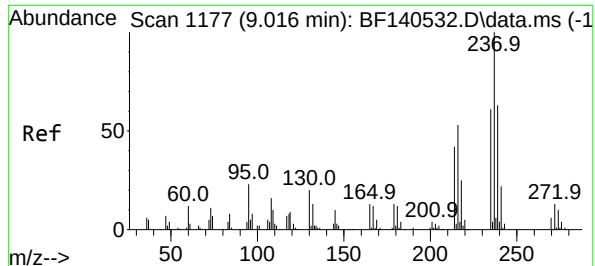
216 100

214 78.6 63.0 94.4

179 21.7 17.5 26.3

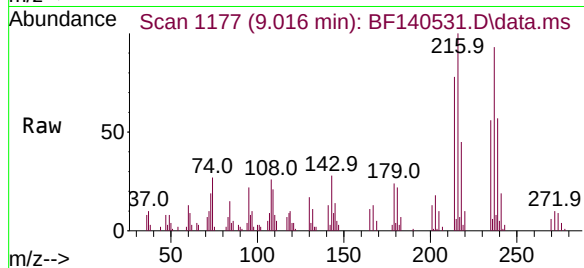
108 18.0 14.7 22.1





#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

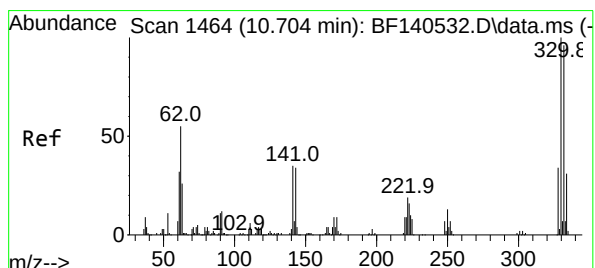
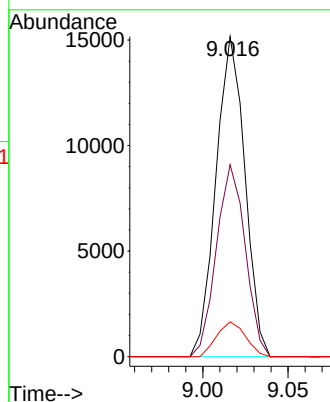
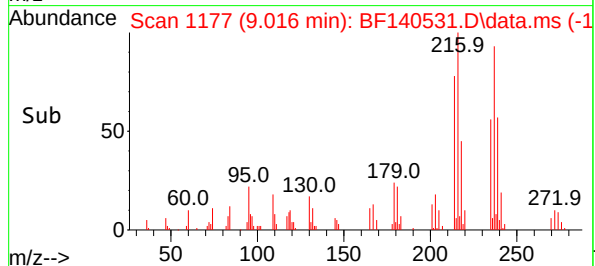
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



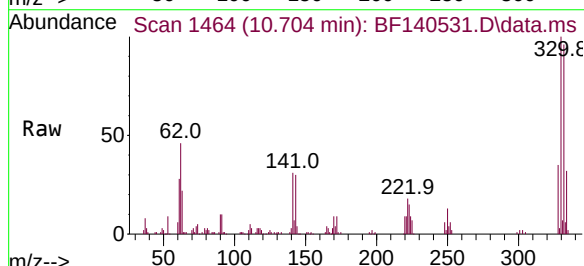
Tgt Ion: 237 Resp: 17909
Ion Ratio Lower Upper
237 100
235 60.0 41.1 81.1
272 10.9 0.0 32.6

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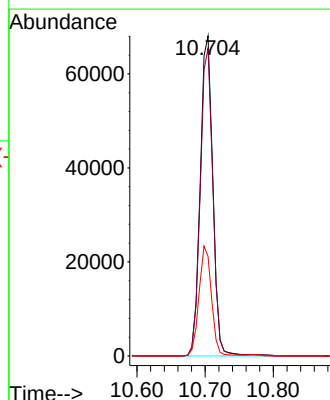
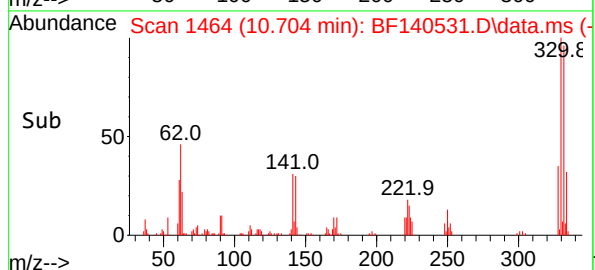
Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/27/2024

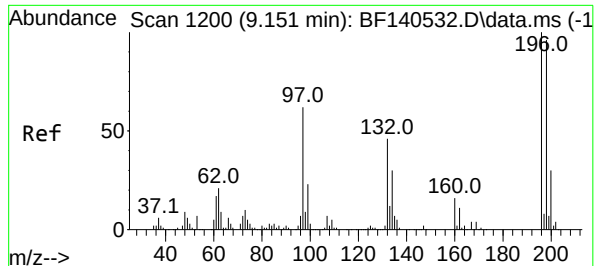


#42
2,4,6-Tribromophenol
Concen: 41.118 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32



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

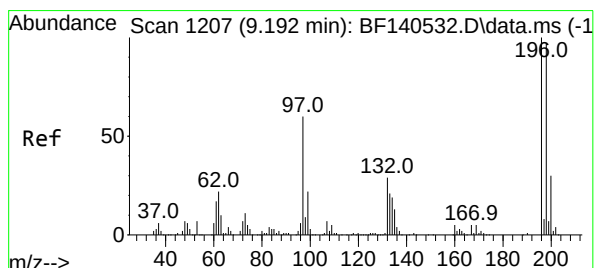
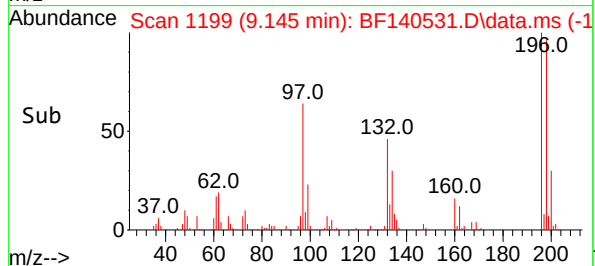
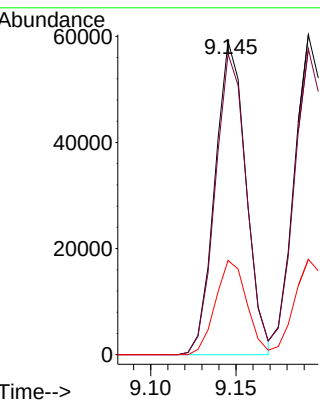
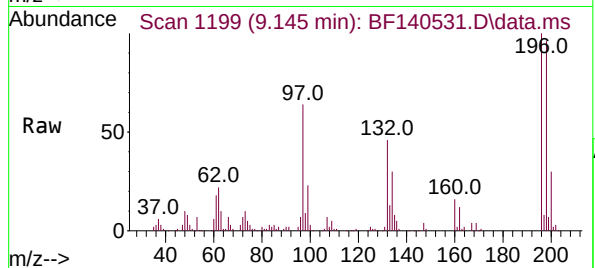
200 30.0 24.3 36.5

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

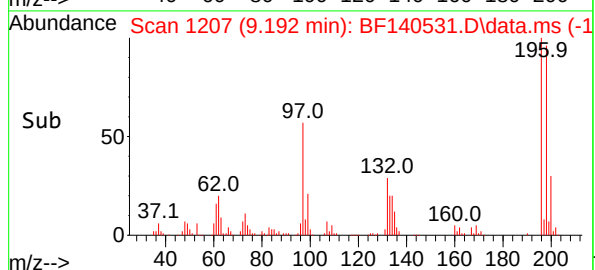
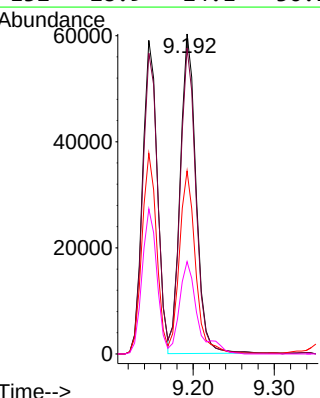
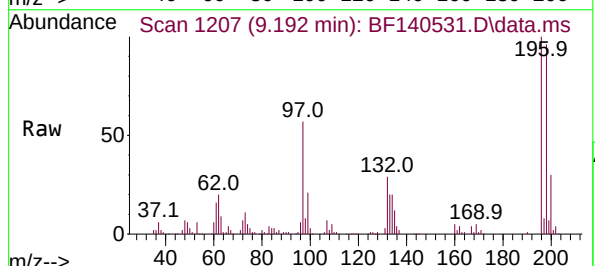
Ion Ratio Lower Upper

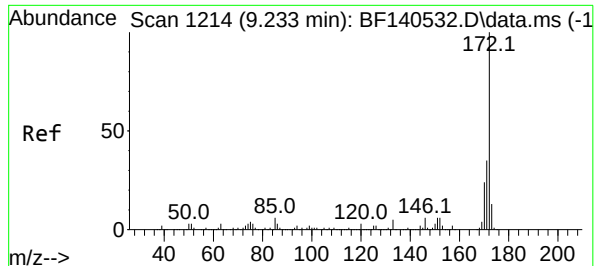
196 100

198 95.6 77.2 115.8

97 57.2 47.1 70.7

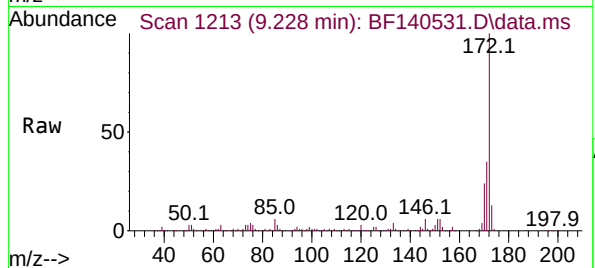
132 28.9 24.1 36.1





#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

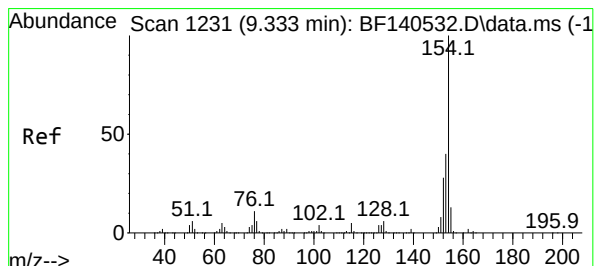
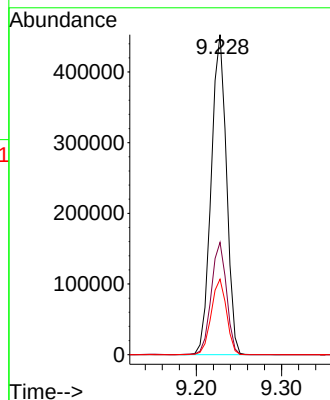
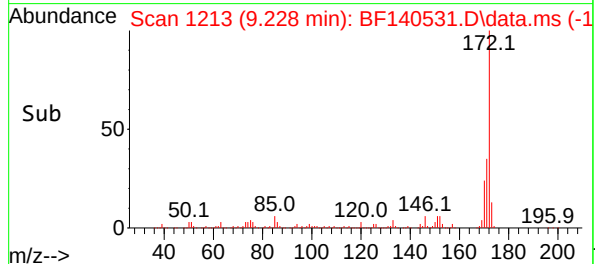
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

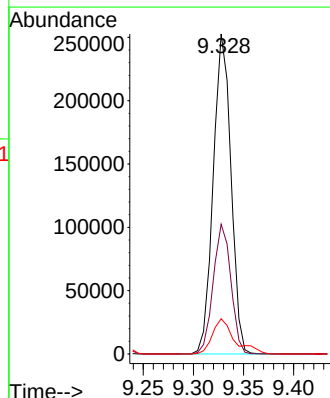
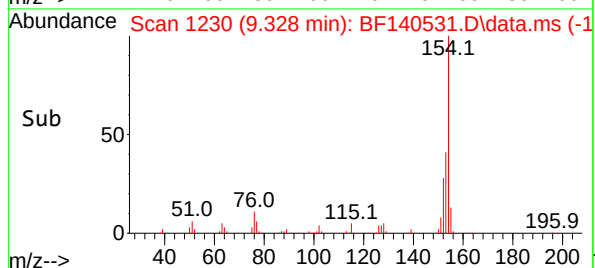
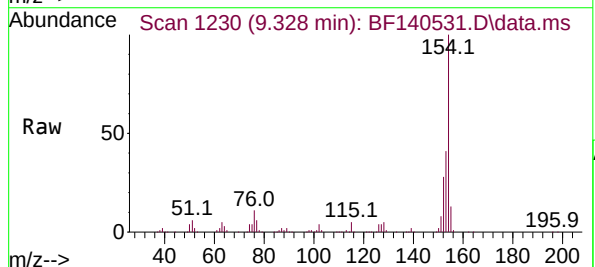
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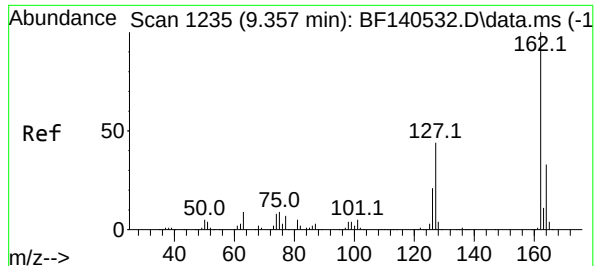
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

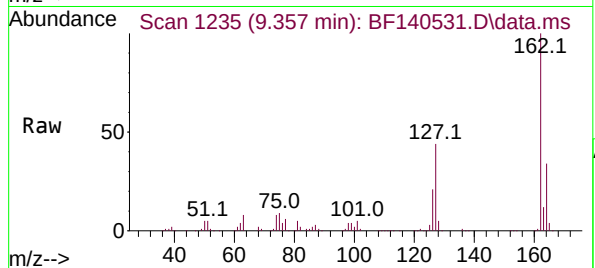
Acq: 21 Nov 2024 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 23106

Ion Ratio Lower Upper

162 100

127 44.0 35.7 53.5

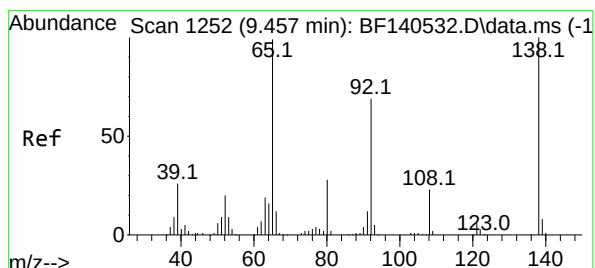
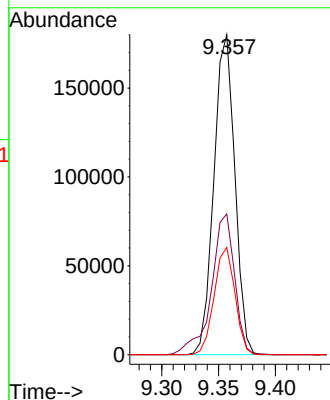
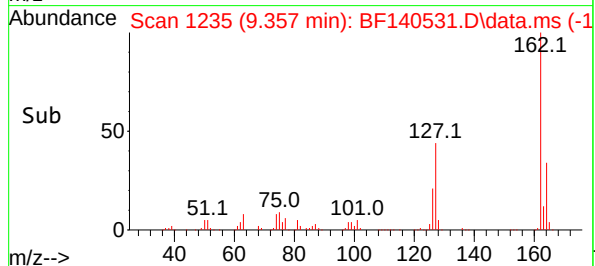
164 33.5 26.1 39.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

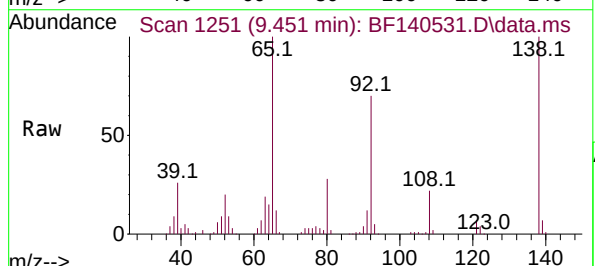
Concen: 20.871 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140531.D

Acq: 21 Nov 2024 12:32



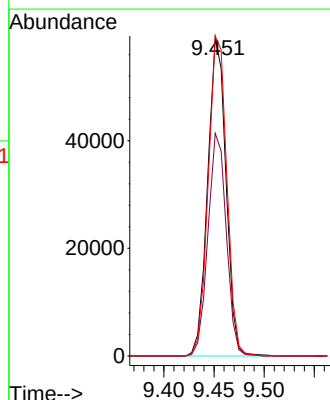
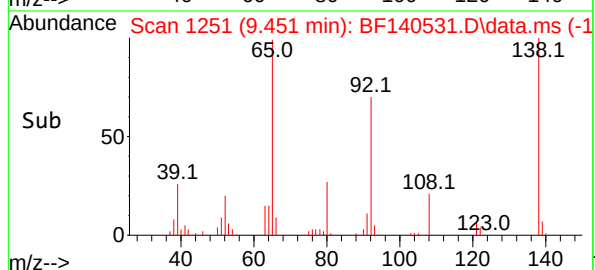
Tgt Ion: 65 Resp: 75343

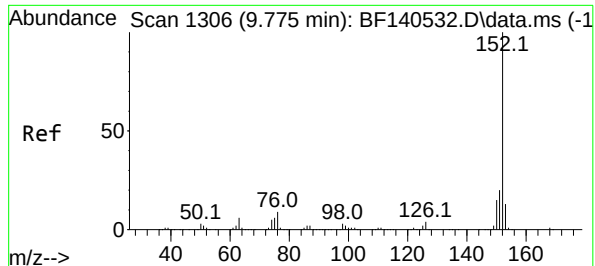
Ion Ratio Lower Upper

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 :

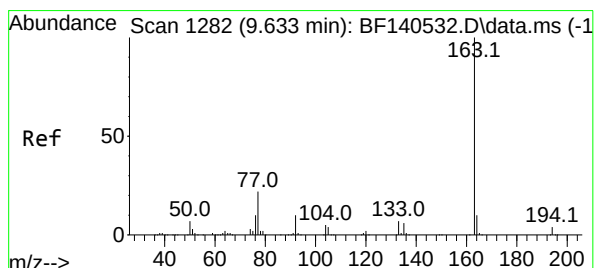
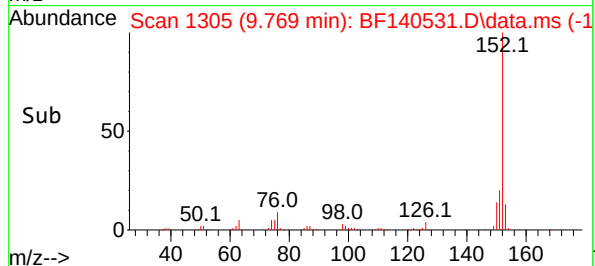
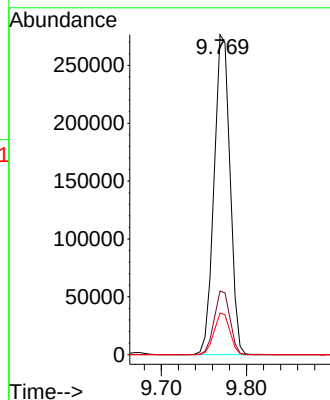
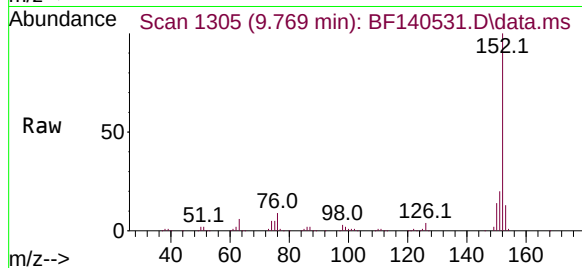
SSTDICC020

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

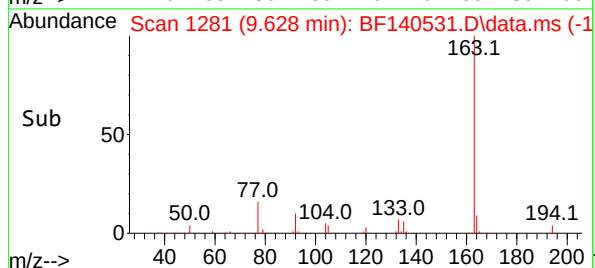
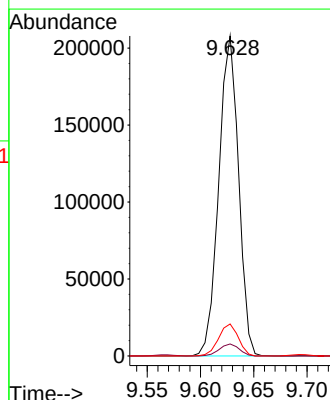
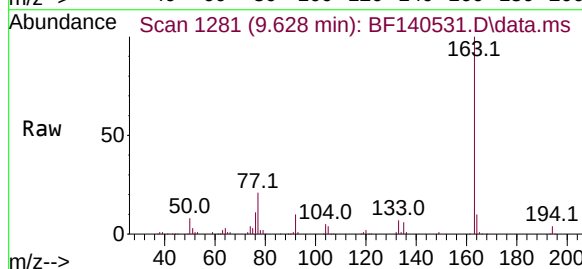
APPROVED

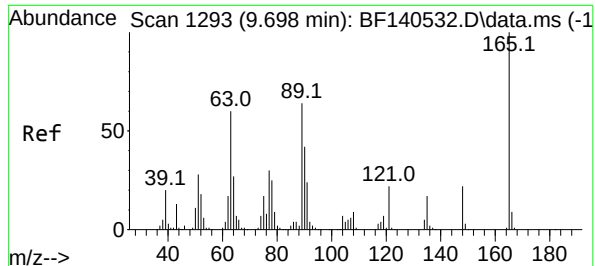
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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 :

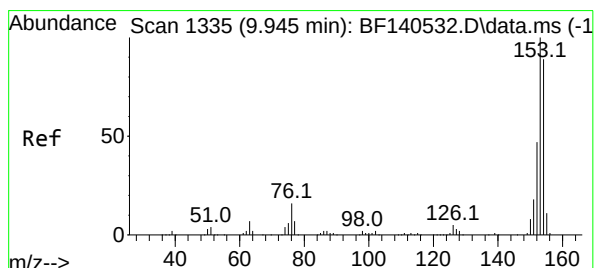
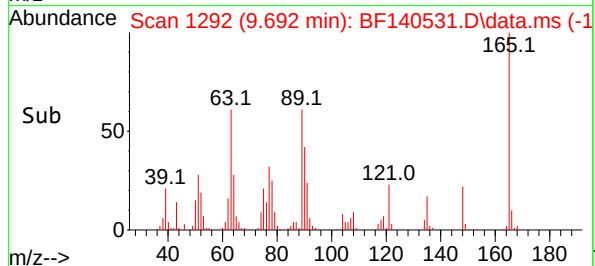
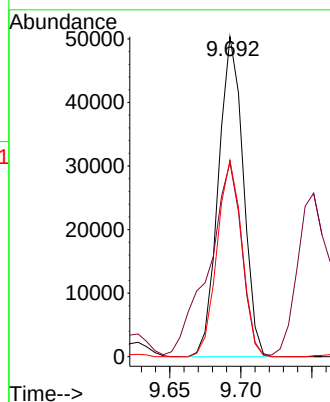
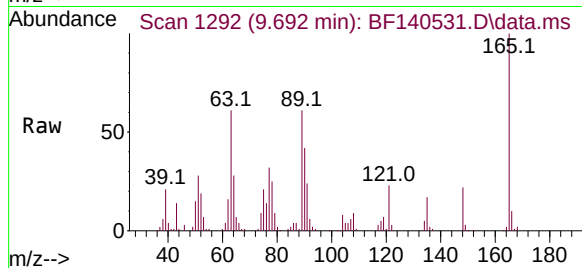
SSTDICC020

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

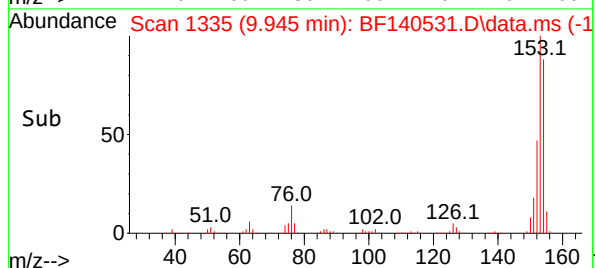
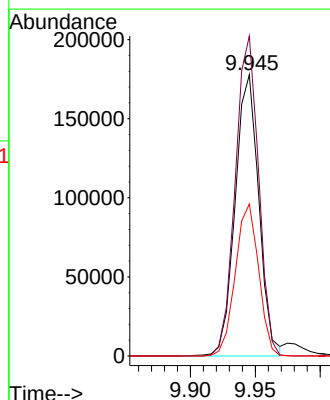
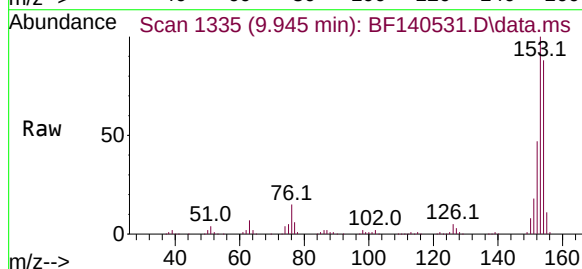
APPROVED

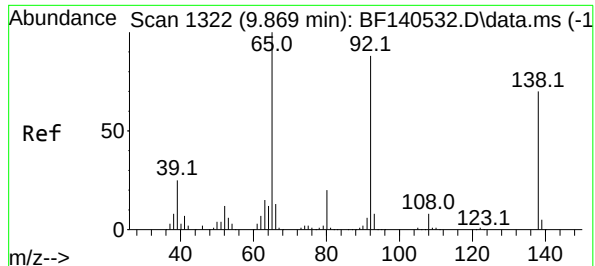
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

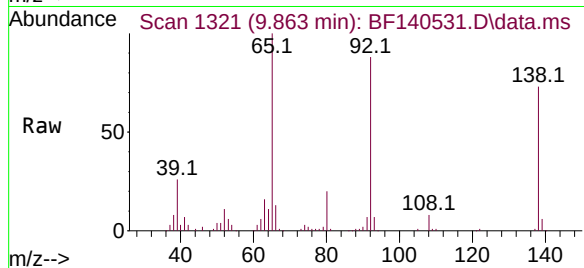
Tgt Ion:154 Resp: 225540
Ion Ratio Lower Upper
154 100
153 113.8 89.7 134.5
152 54.0 42.5 63.7





#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

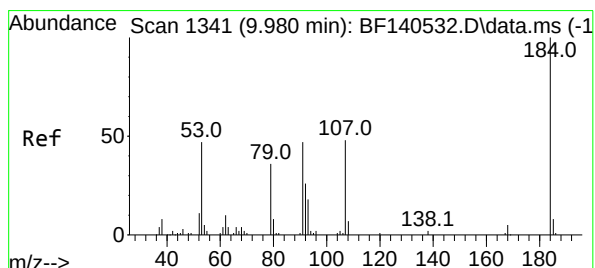
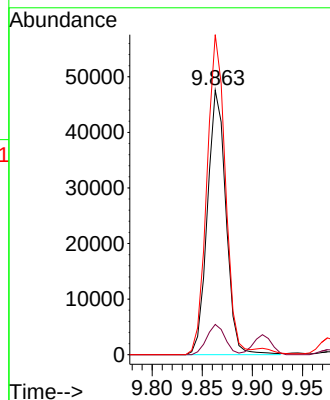
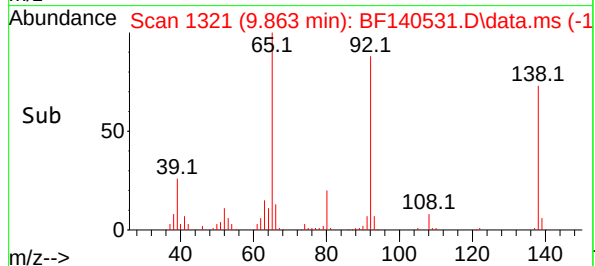
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

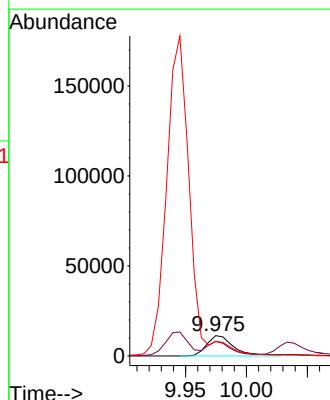
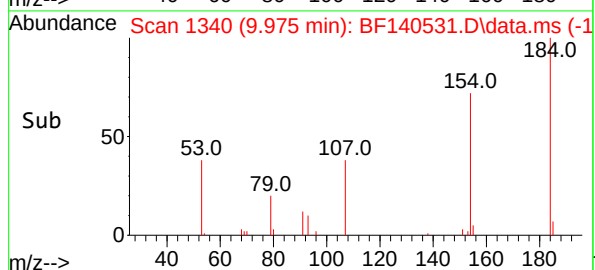
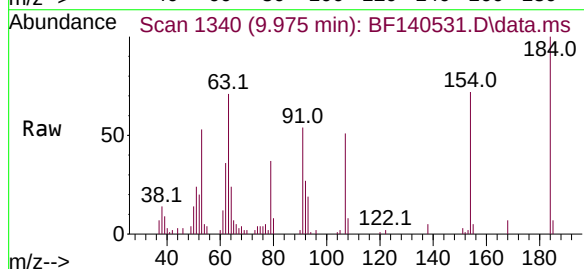
Manual Integrations
APPROVED

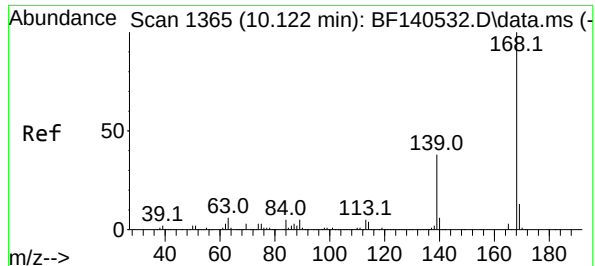
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

Dibenzofuran

Concen: 20.992 ng

RT: 10.116 min Scan# 1365

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

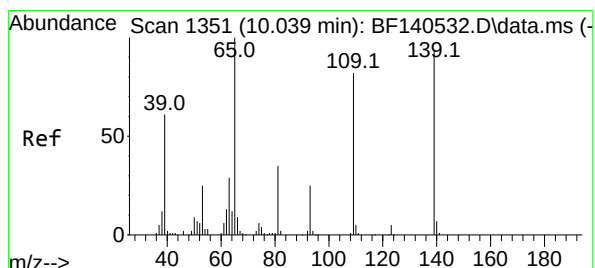
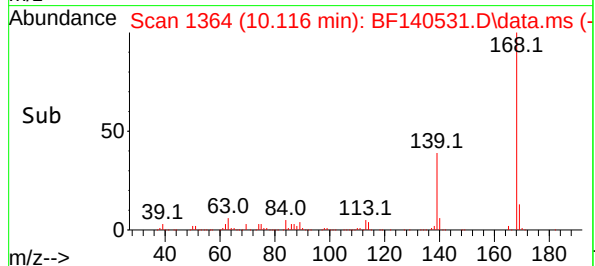
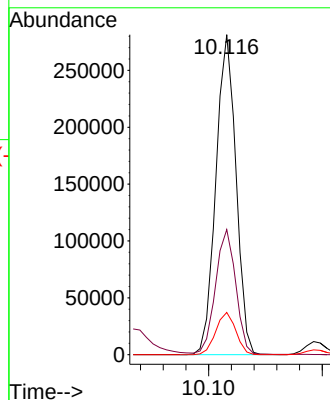
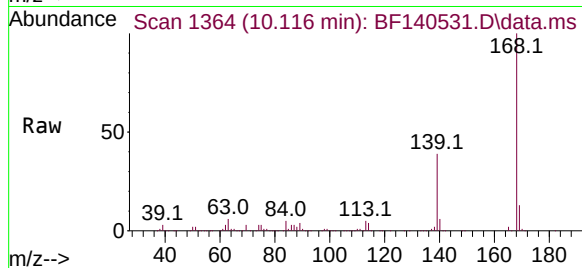
169 13.2 10.5 15.7

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

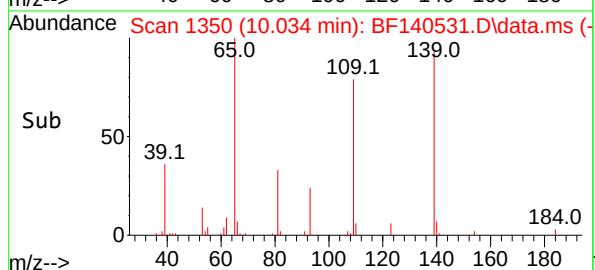
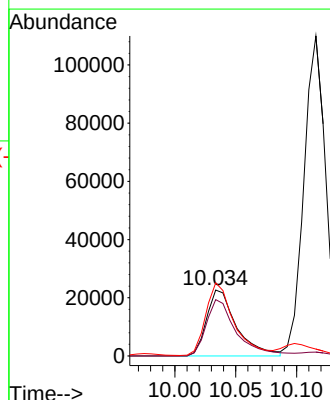
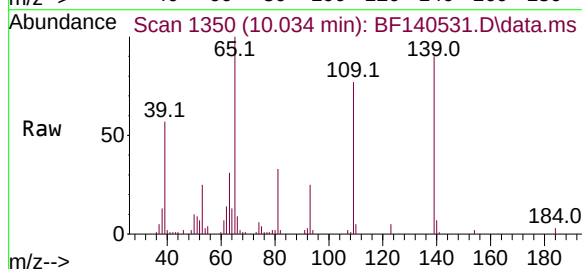
Tgt Ion:139 Resp: 38787

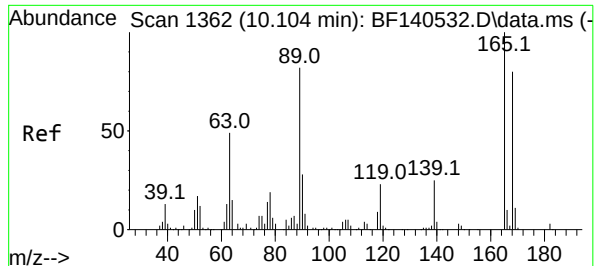
Ion Ratio Lower Upper

139 100

109 85.4 68.4 108.4

65 110.9 88.6 128.6





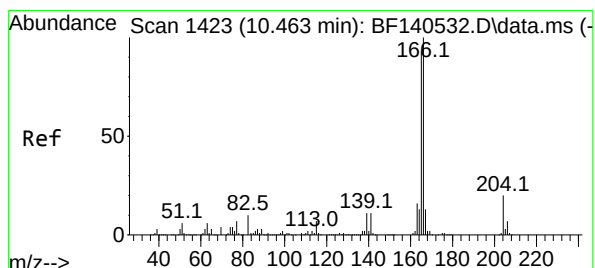
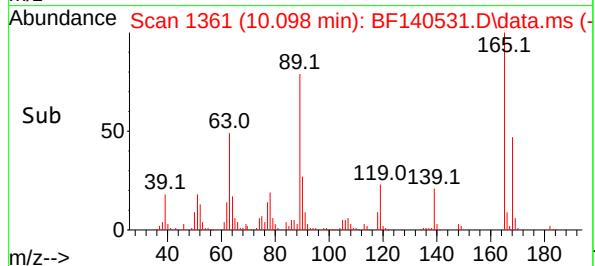
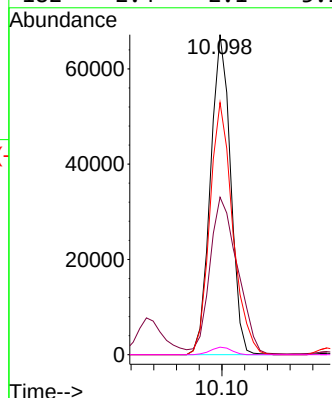
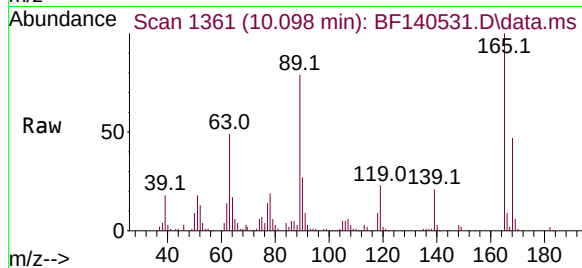
#57
2,4-Dinitrotoluene
Concen: 20.957 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

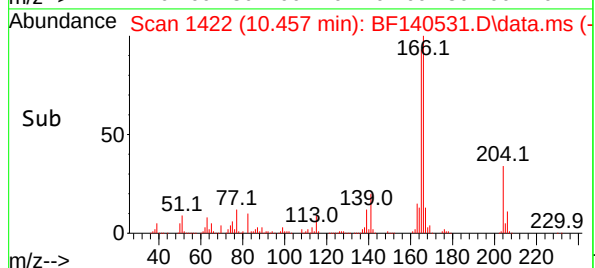
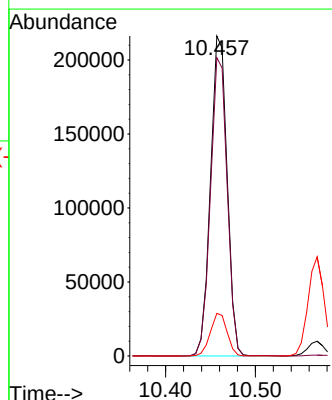
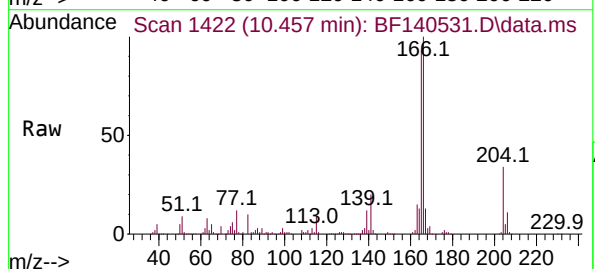
Manual Integrations
APPROVED

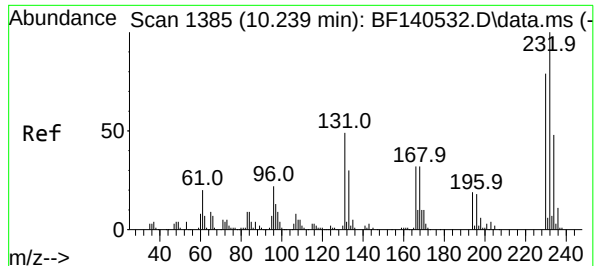
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

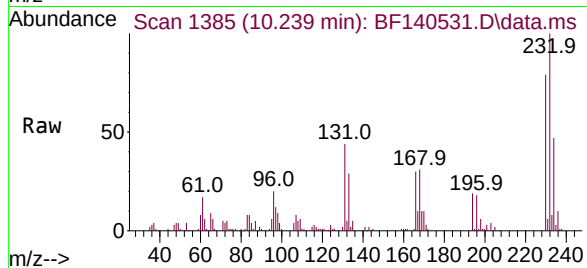
Tgt Ion:166 Resp: 278115
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.3 10.6 16.0





#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

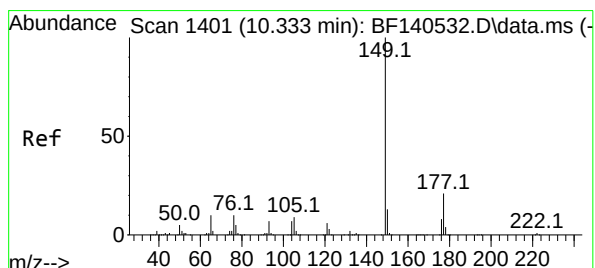
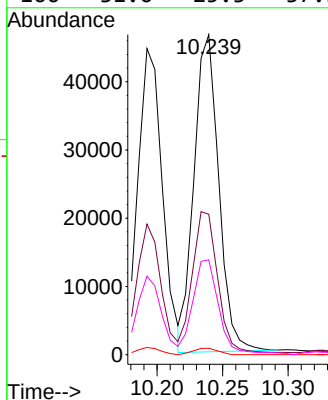
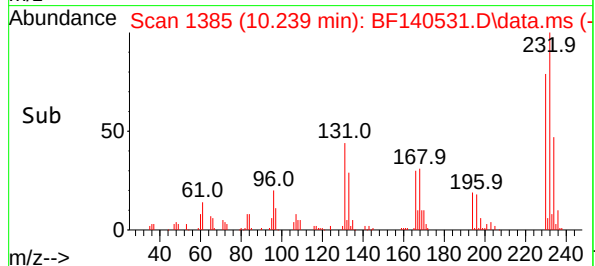
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

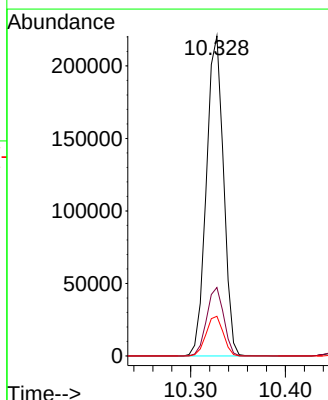
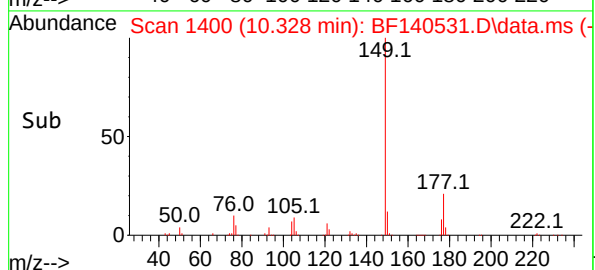
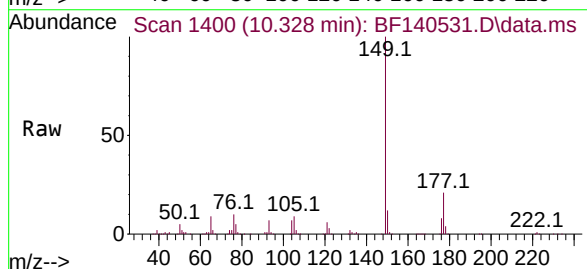
Manual Integrations
APPROVED

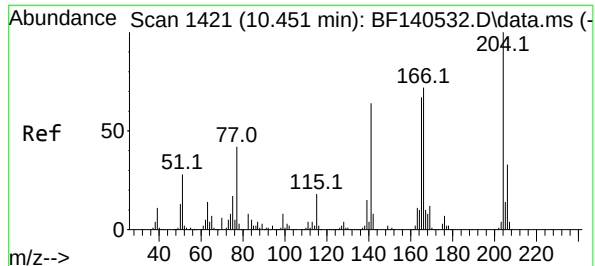
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

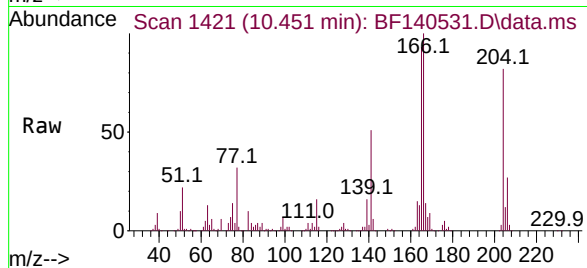
Tgt Ion:149 Resp: 276859
Ion Ratio Lower Upper
149 100
177 21.4 17.1 25.7
150 12.4 10.1 15.1





#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

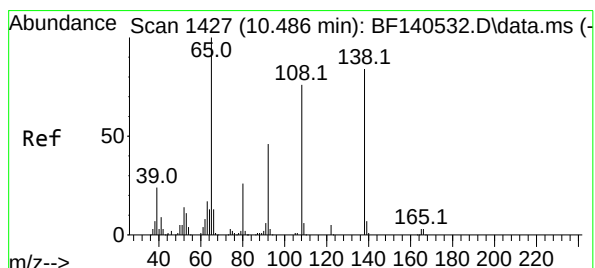
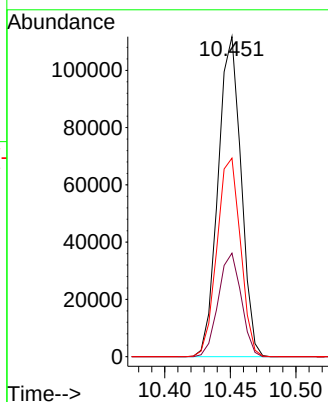
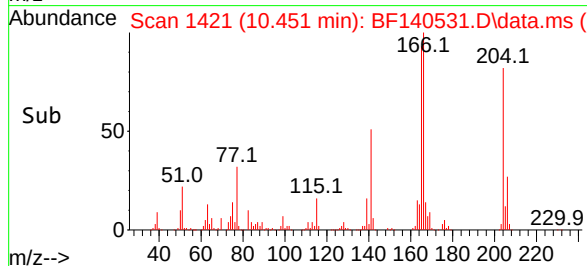
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

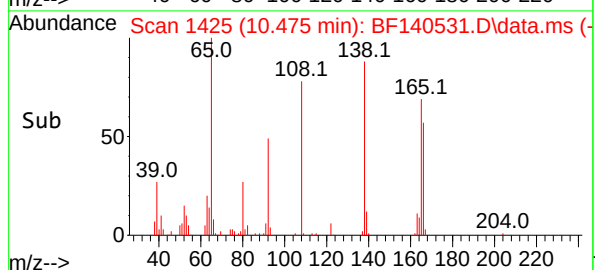
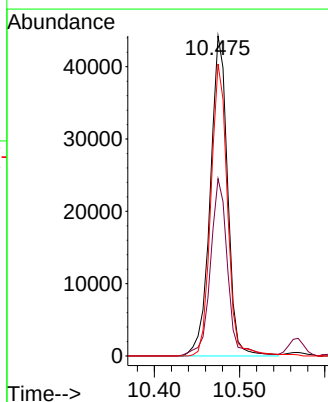
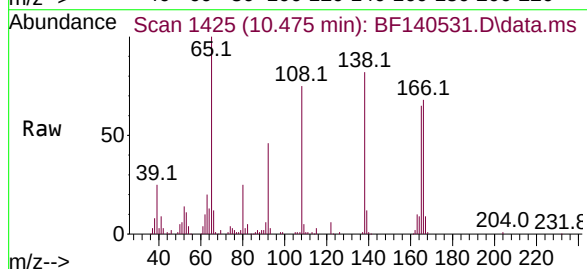
Manual Integrations
APPROVED

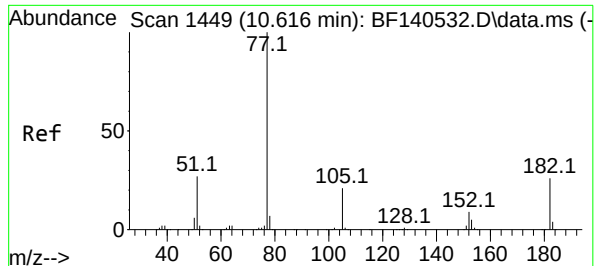
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

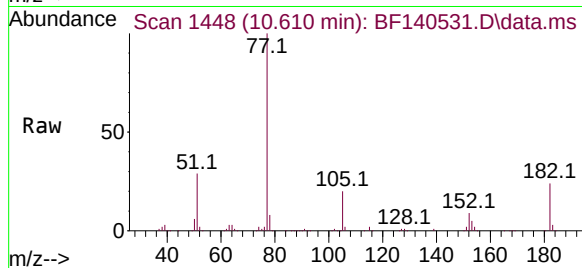
Tgt Ion:138 Resp: 62610
Ion Ratio Lower Upper
138 100
92 55.4 34.5 74.5
108 91.2 70.6 110.6





#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

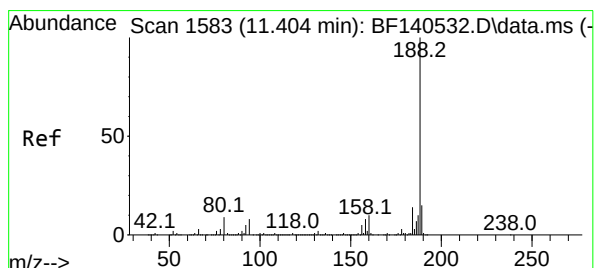
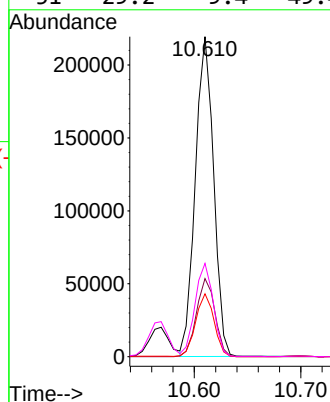
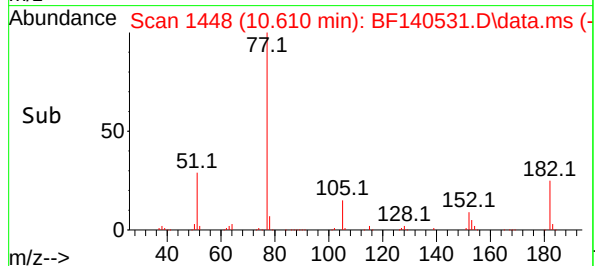
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

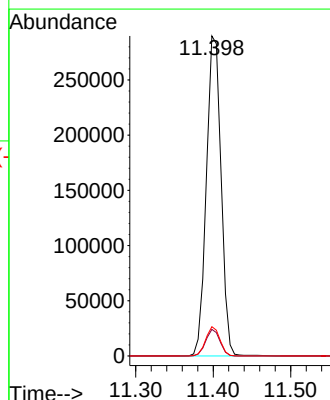
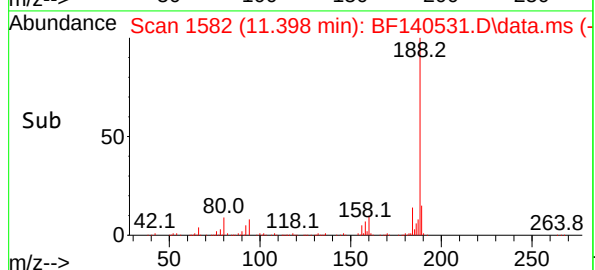
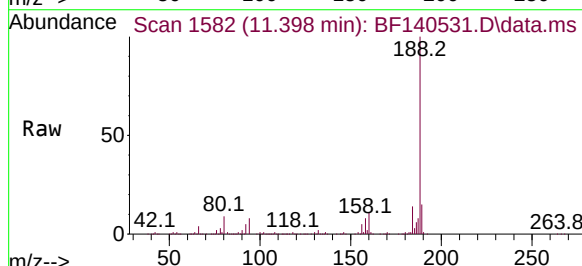
Manual Integrations
APPROVED

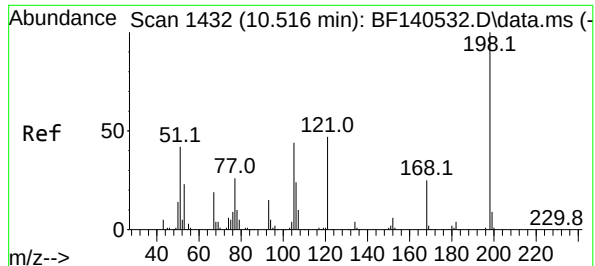
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

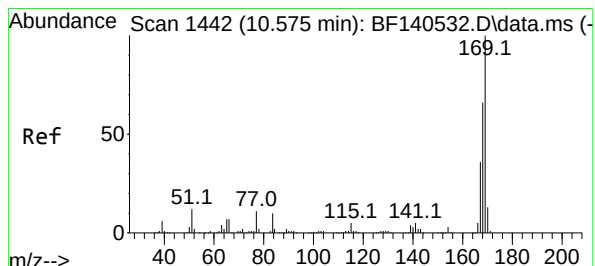
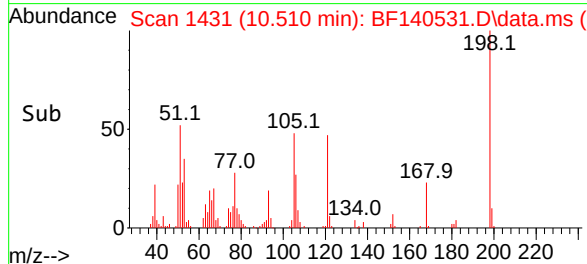
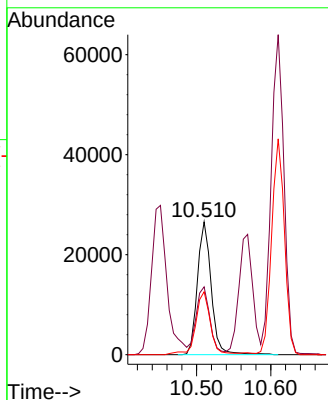
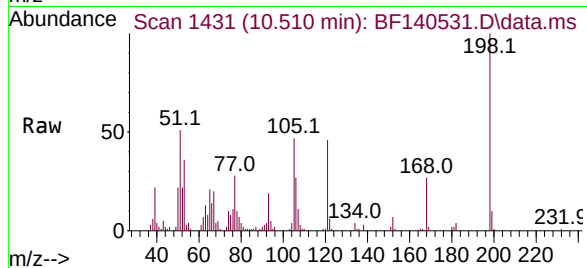
105 47.4 25.4 65.4

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

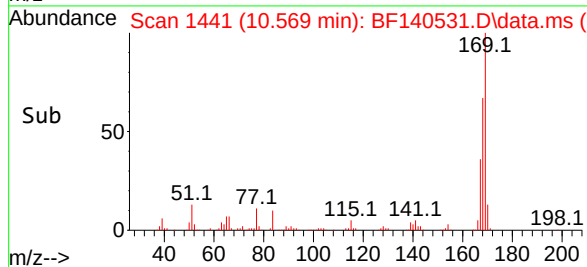
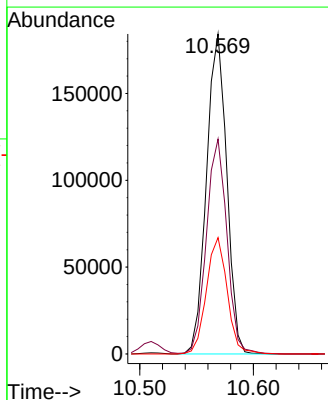
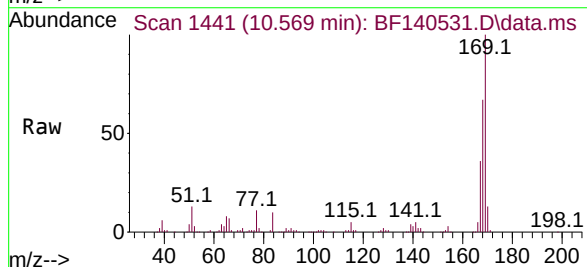
Tgt Ion:169 Resp: 228075

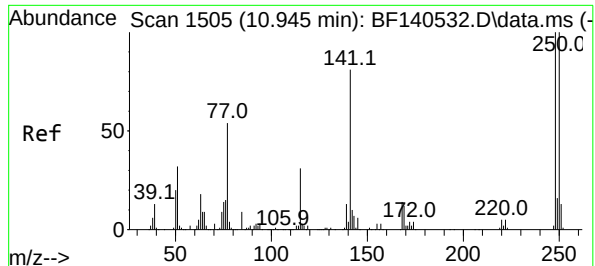
Ion Ratio Lower Upper

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 :

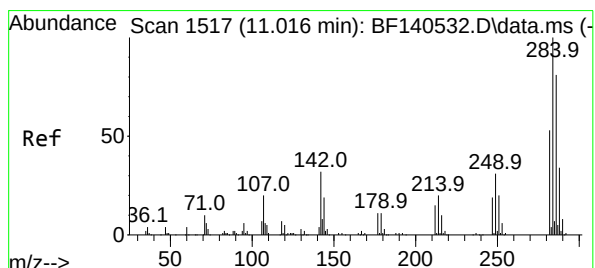
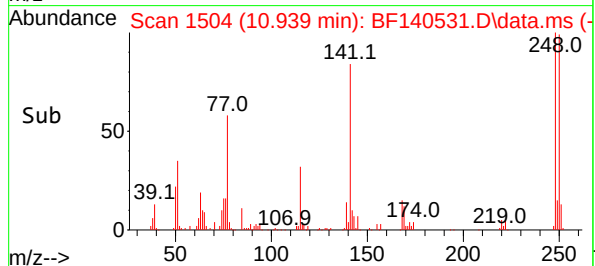
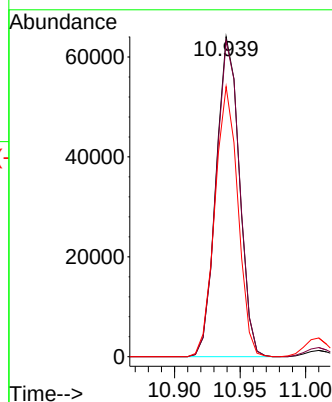
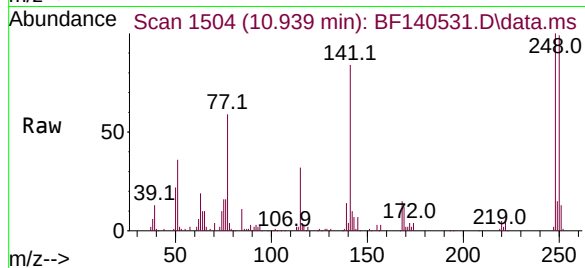
SSTDICC020

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

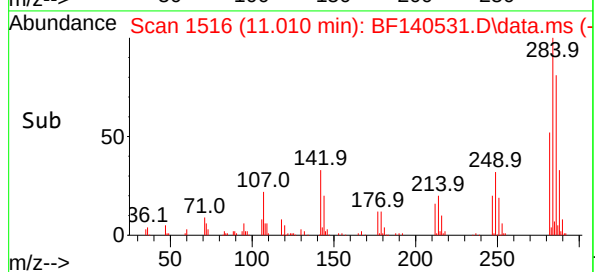
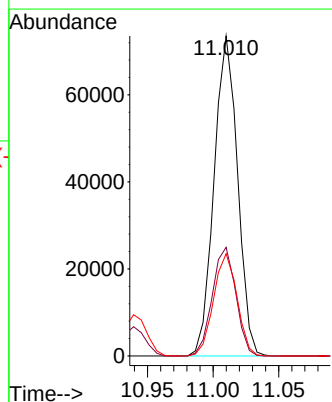
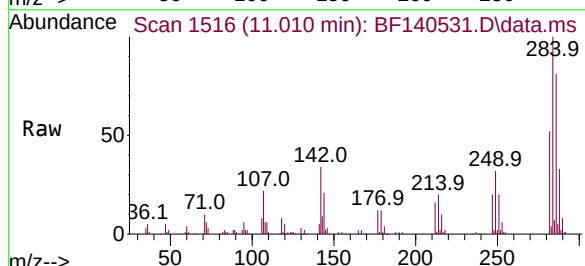
APPROVED

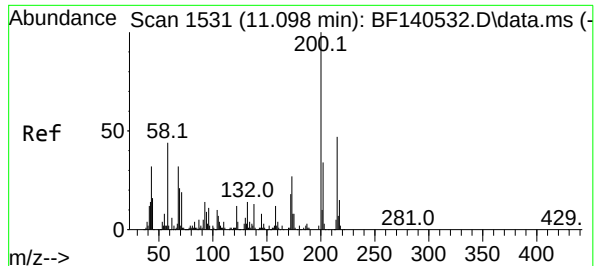
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





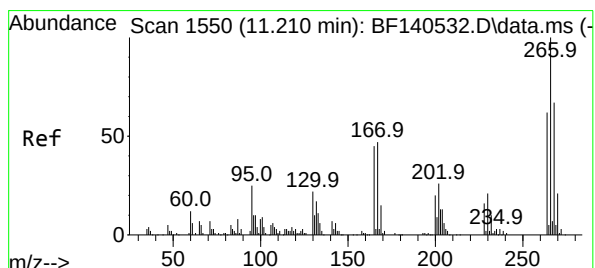
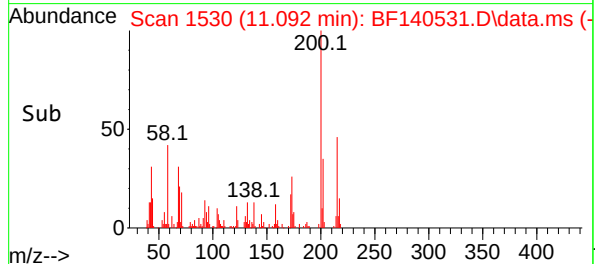
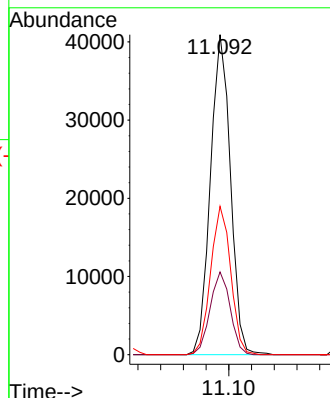
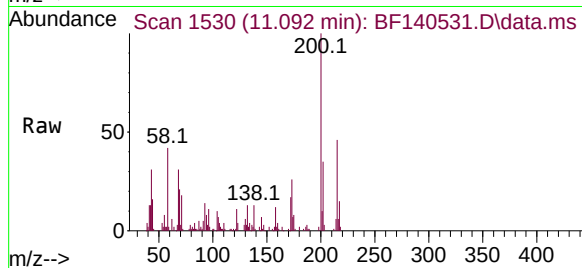
#69
Atrazine
Concen: 15.754 ng
RT: 11.092 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

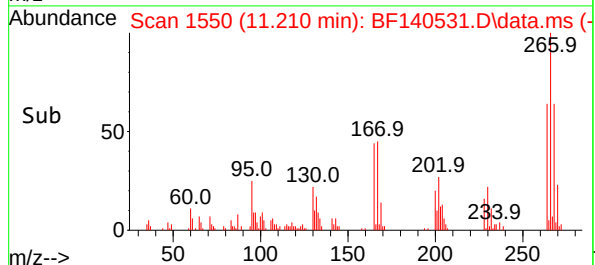
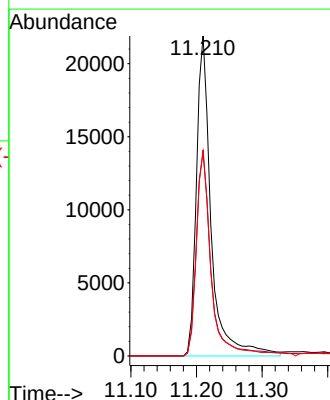
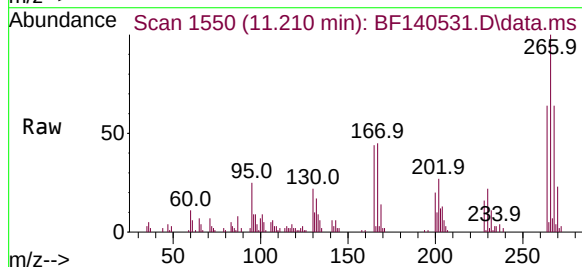
Manual Integrations
APPROVED

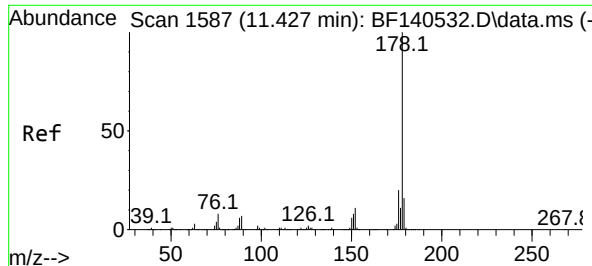
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





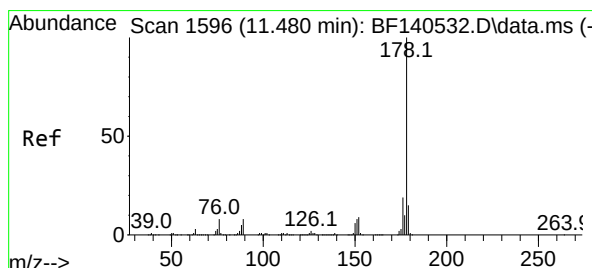
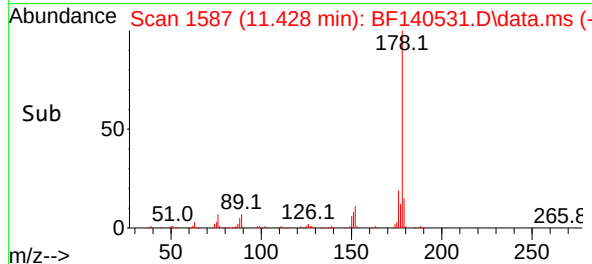
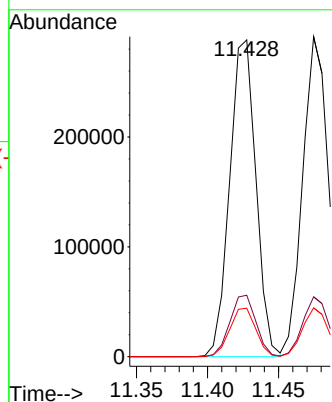
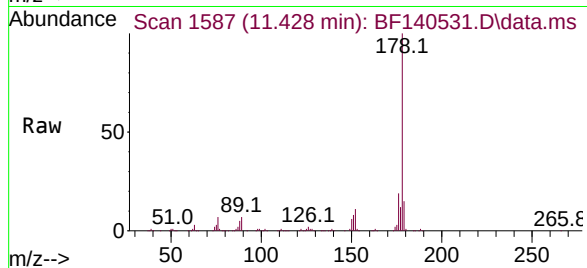
#71
Phenanthrene
Concen: 20.171 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32

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

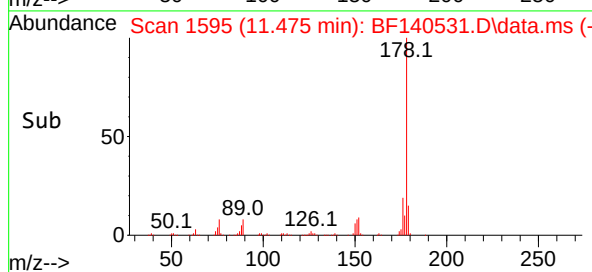
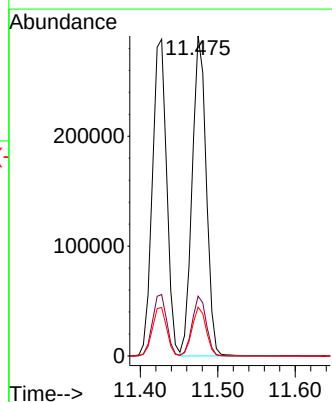
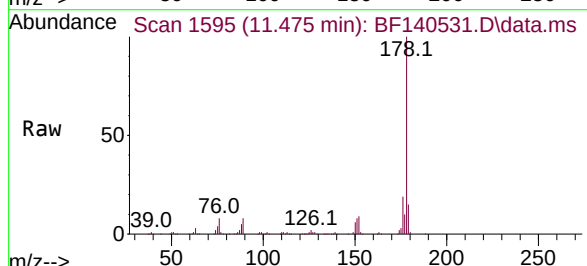
Manual Integrations
APPROVED

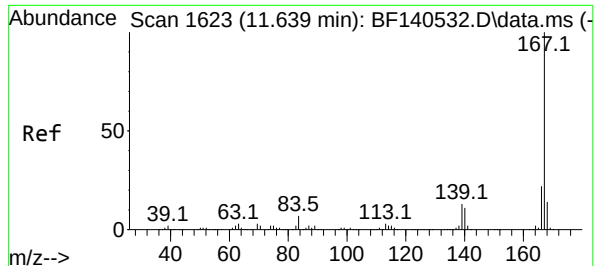
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

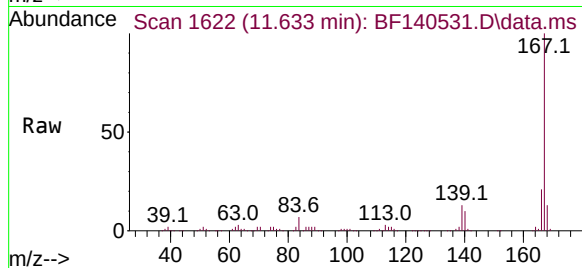
Tgt Ion:178 Resp: 366152
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.2 12.2 18.4





#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

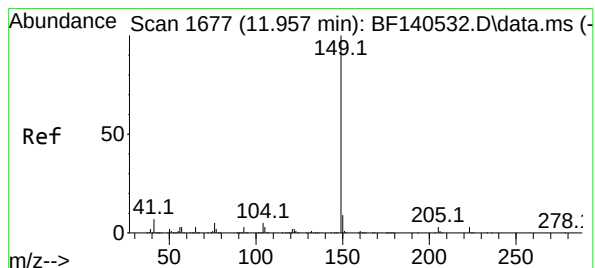
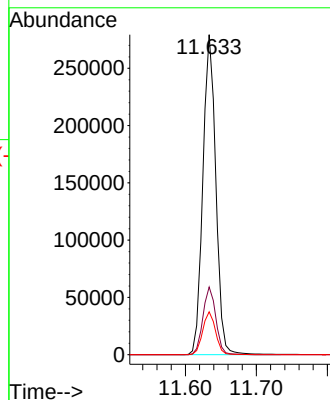
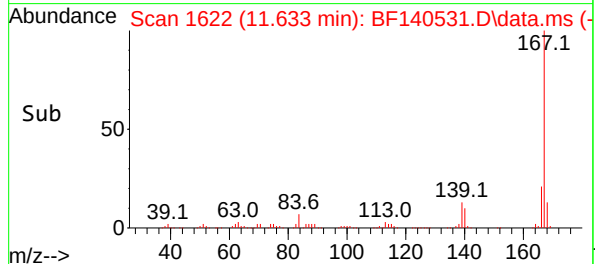
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

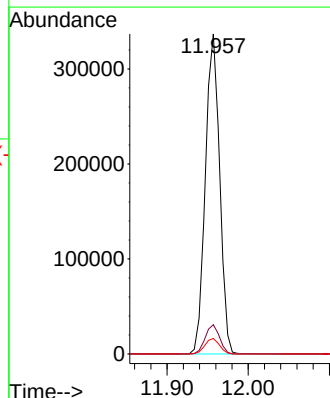
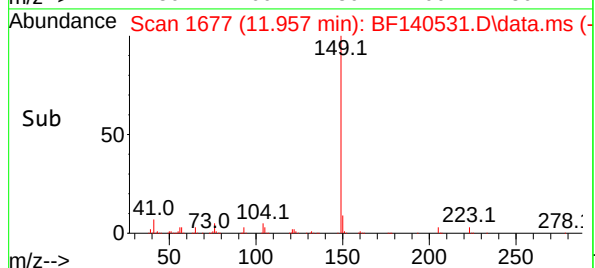
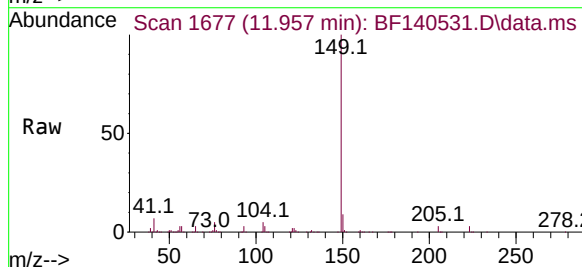
Manual Integrations
APPROVED

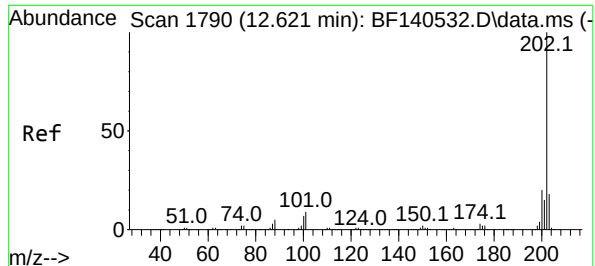
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

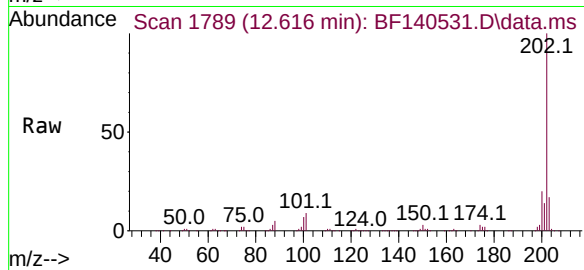
Tgt Ion:149 Resp: 410317
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 4.9 4.1 6.1





#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

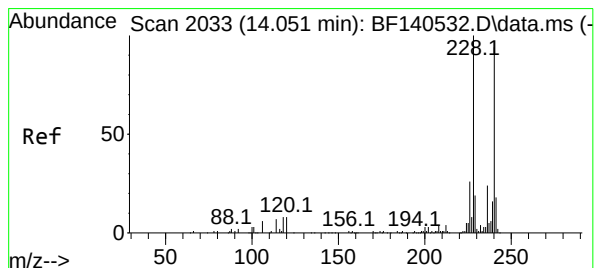
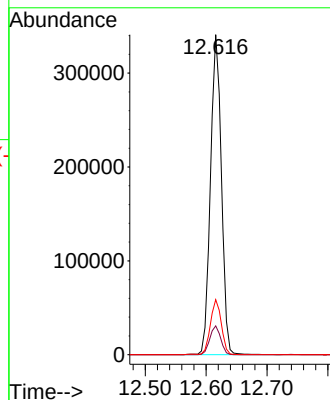
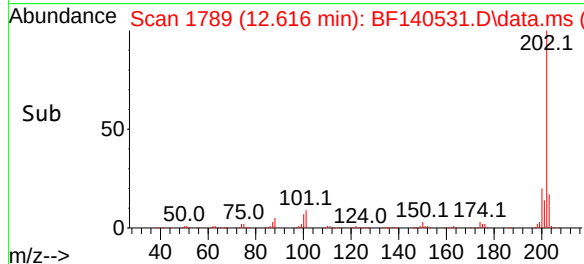
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

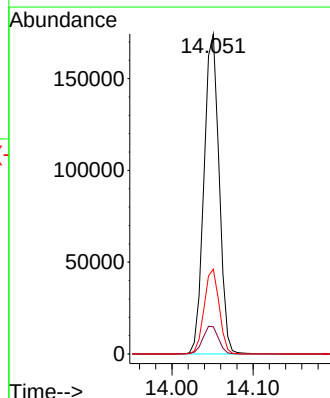
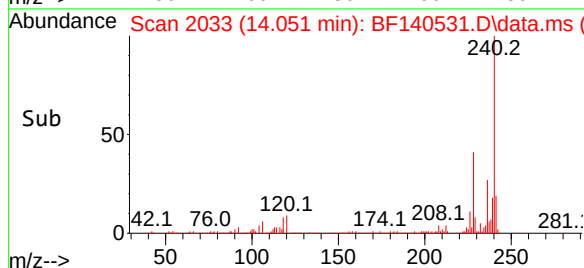
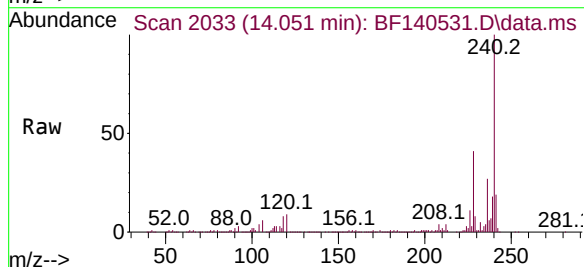
Manual Integrations
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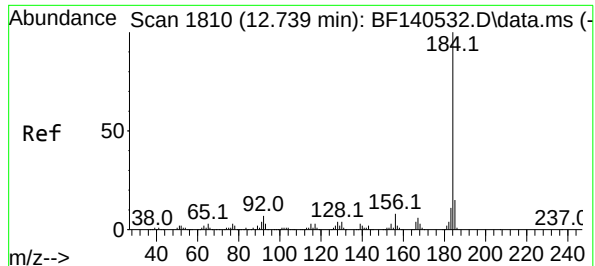
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



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

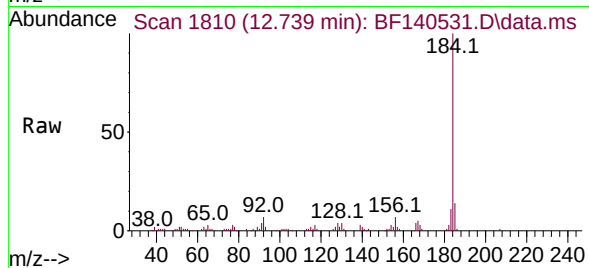
Tgt Ion:240 Resp: 225903
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 26.5 20.6 31.0





#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

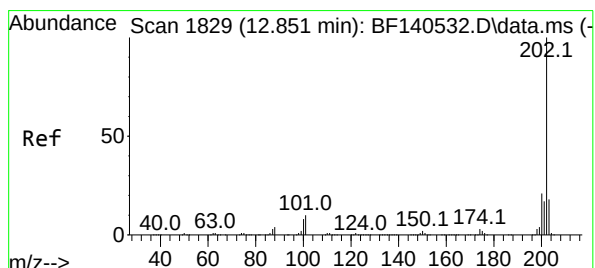
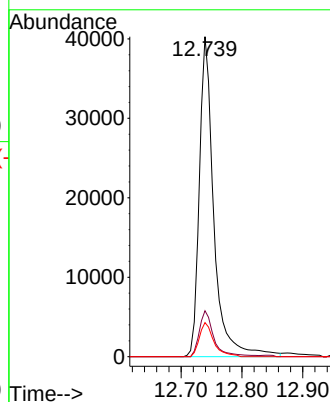
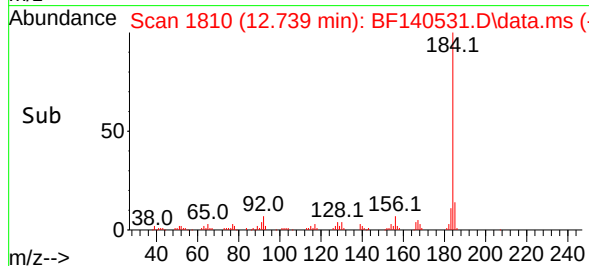
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

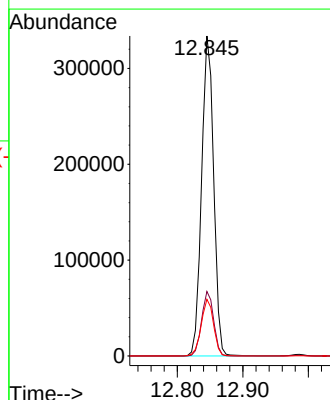
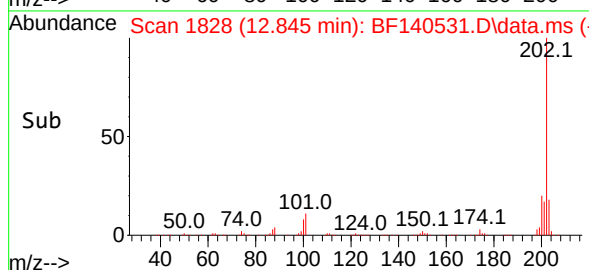
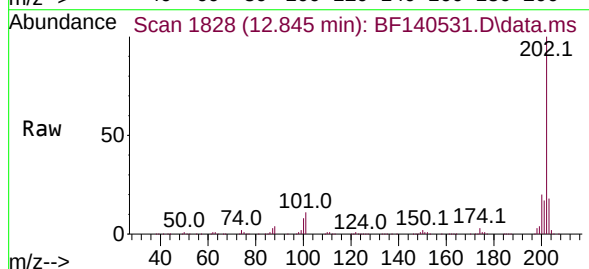
Manual Integrations
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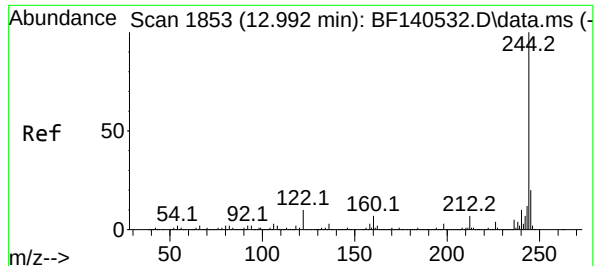
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

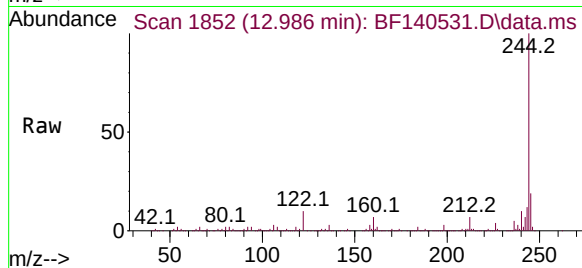
Tgt Ion:202 Resp: 428479
Ion Ratio Lower Upper
202 100
200 20.1 16.5 24.7
203 17.7 14.2 21.4





#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

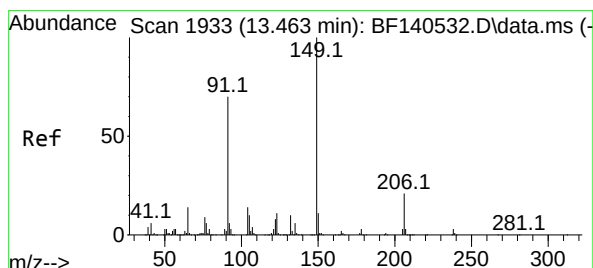
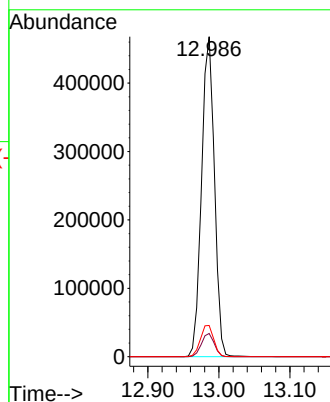
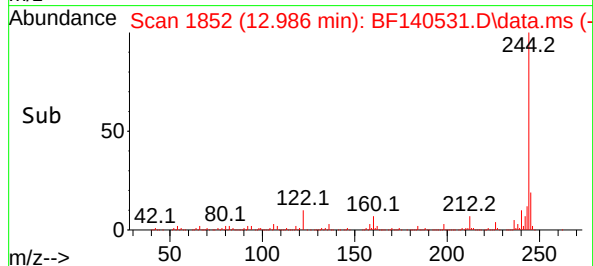
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020



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

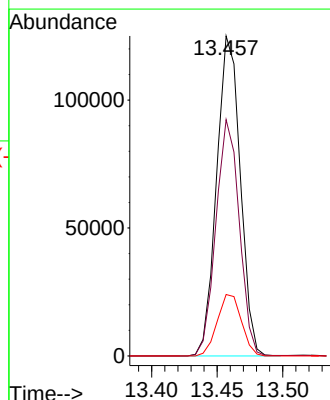
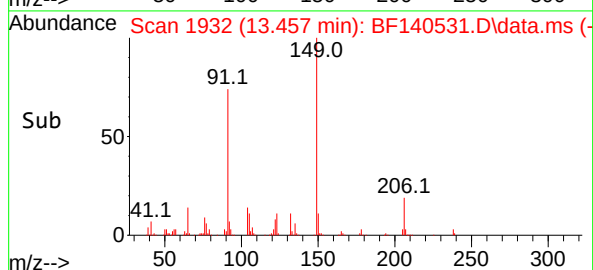
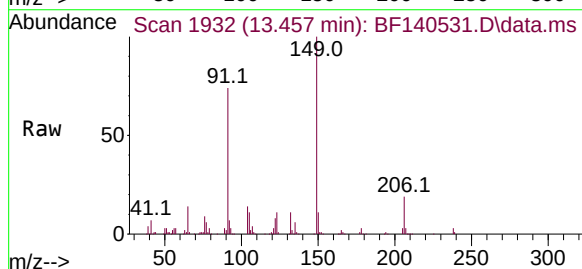
Manual Integrations
 APPROVED

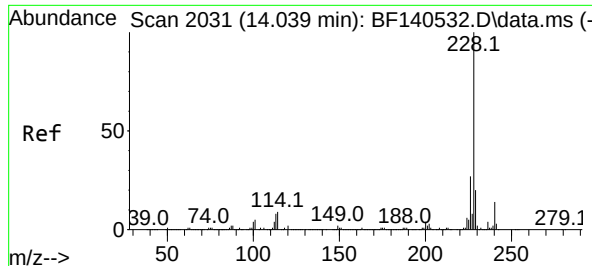
Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/27/2024



#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

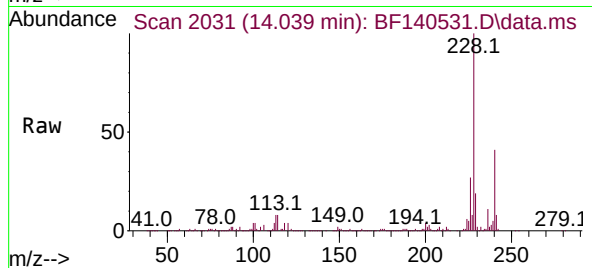
Tgt Ion:149 Resp: 156775
 Ion Ratio Lower Upper
 149 100
 91 73.8 56.2 84.2
 206 19.2 16.4 24.6





#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

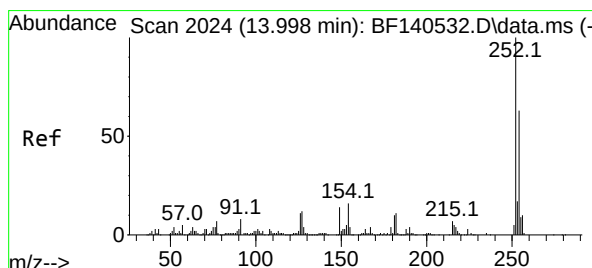
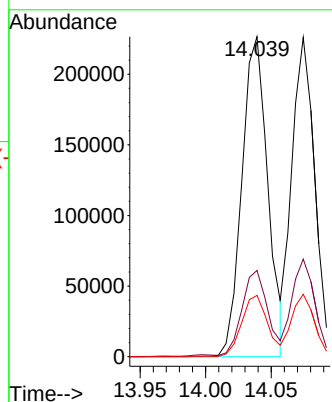
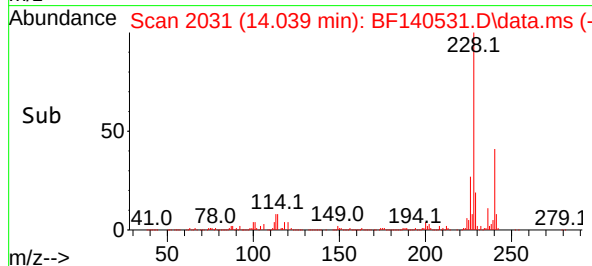
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

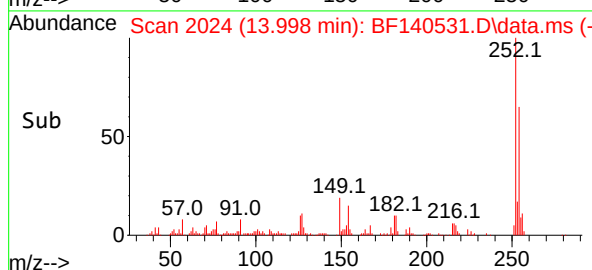
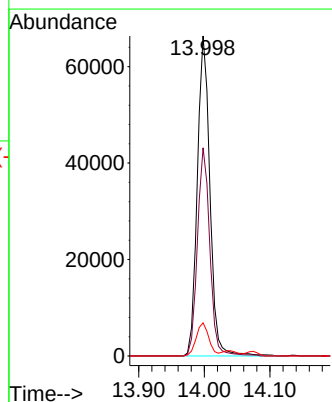
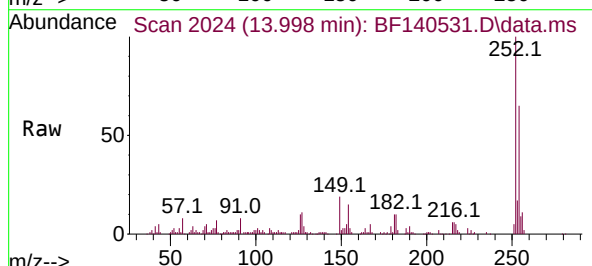
Manual Integrations
APPROVED

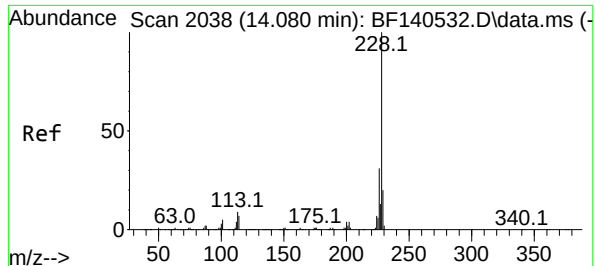
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

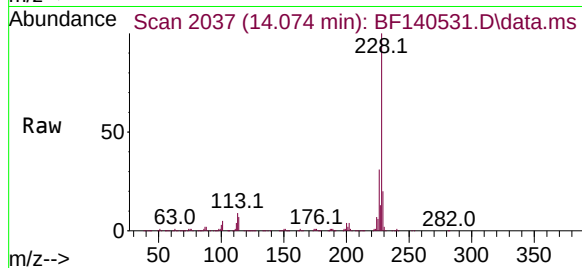
Tgt Ion:252 Resp: 88858
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 10.4 8.6 13.0





#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

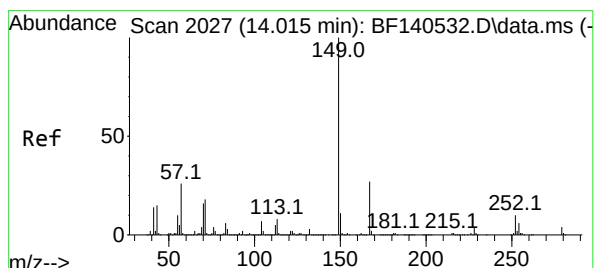
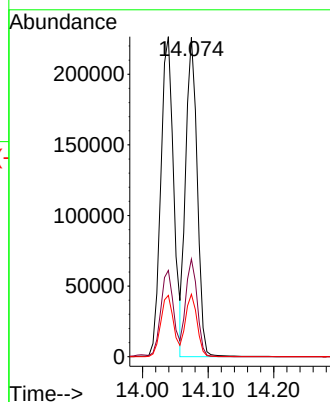
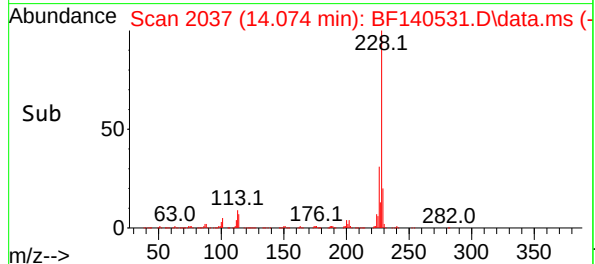
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

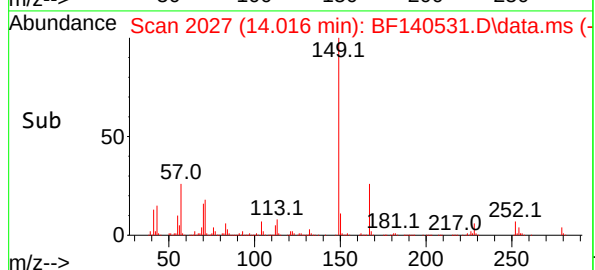
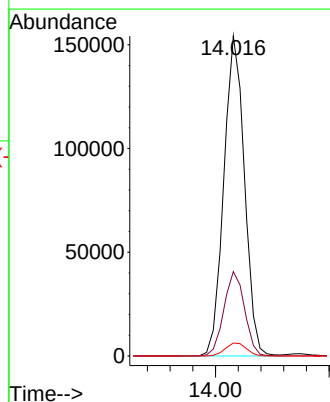
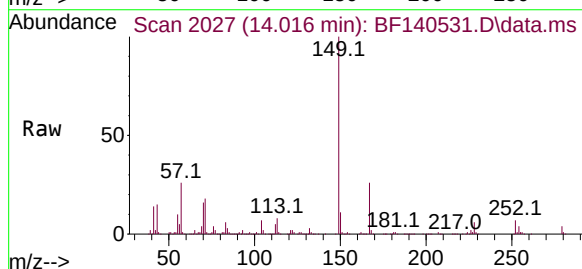
Manual Integrations
APPROVED

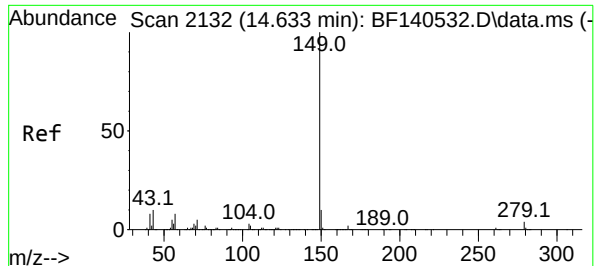
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

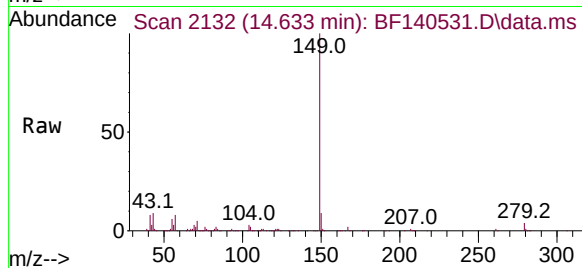
Tgt Ion:149 Resp: 194626
Ion Ratio Lower Upper
149 100
167 26.4 21.2 31.8
279 4.1 3.2 4.8





#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

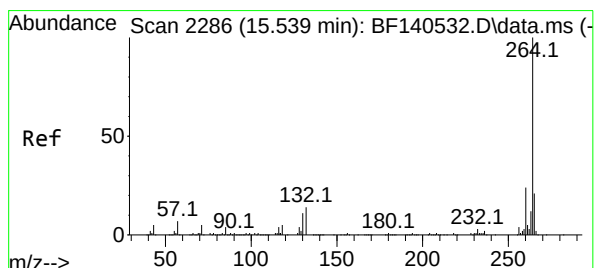
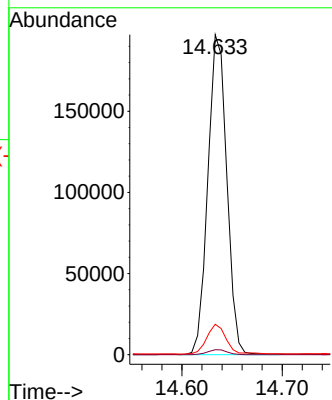
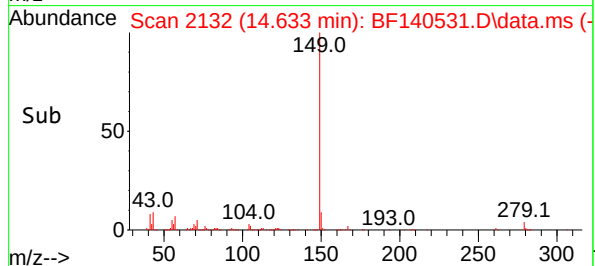
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



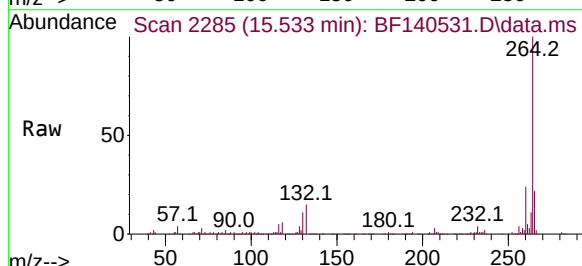
Tgt Ion:149 Resp: 259088
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.4 7.7 11.5

Manual Integrations
APPROVED

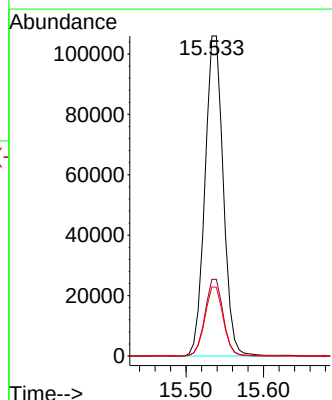
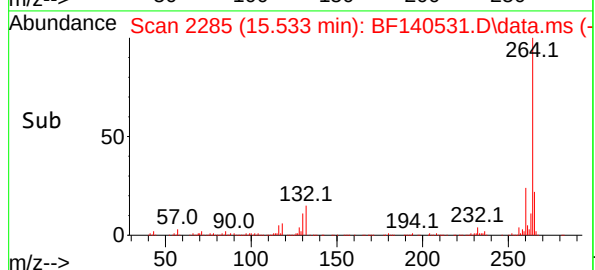
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

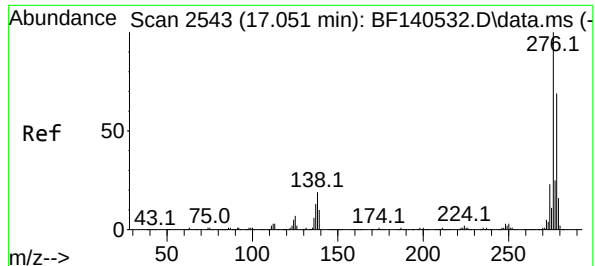


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140531.D
Acq: 21 Nov 2024 12:32



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

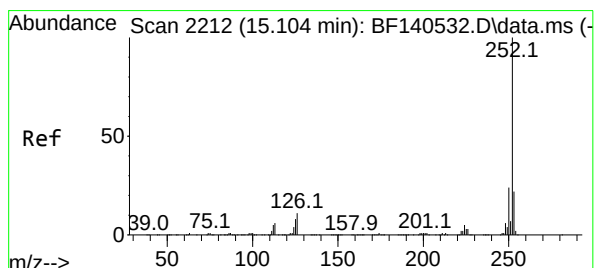
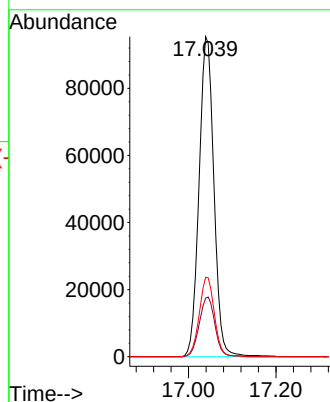
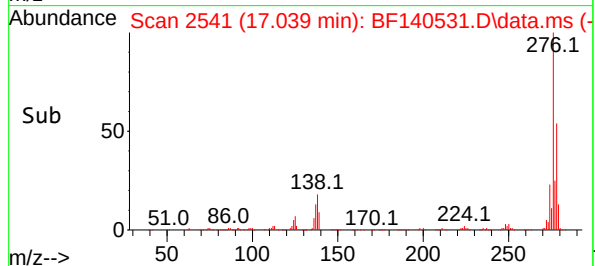
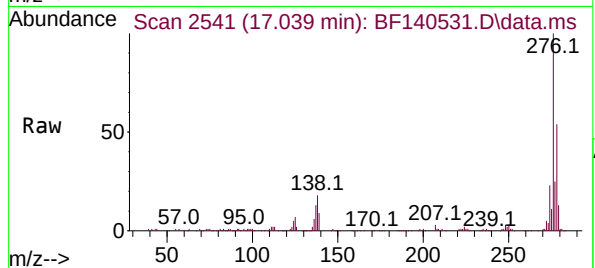
277 25.2 20.1 30.1

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

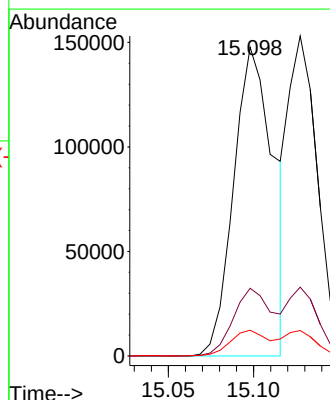
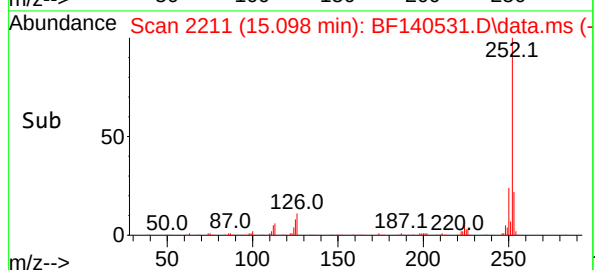
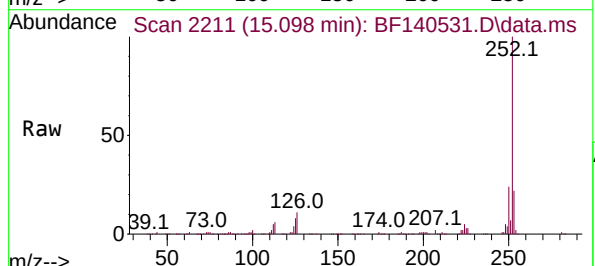
Tgt Ion:252 Resp: 239653

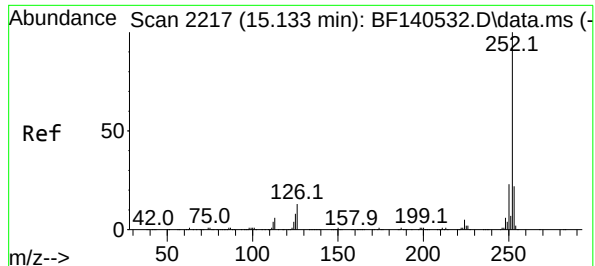
Ion Ratio Lower Upper

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: 183799

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

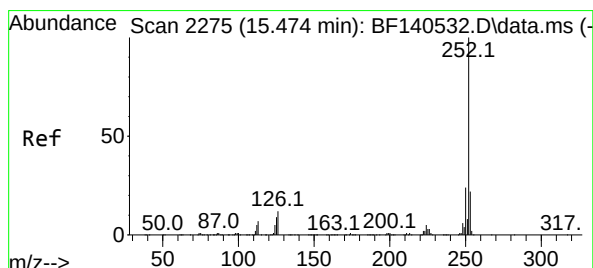
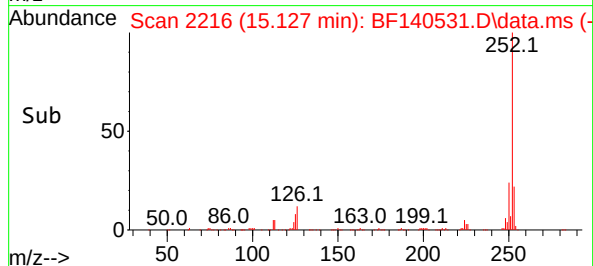
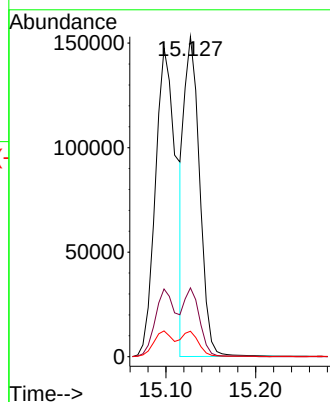
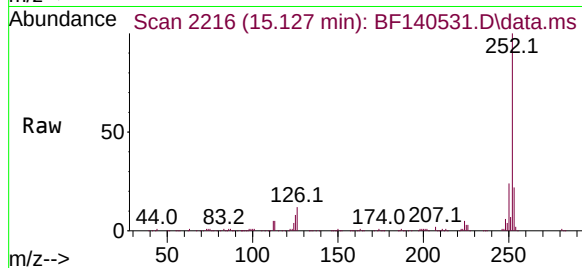
125 8.0 6.5 9.7

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

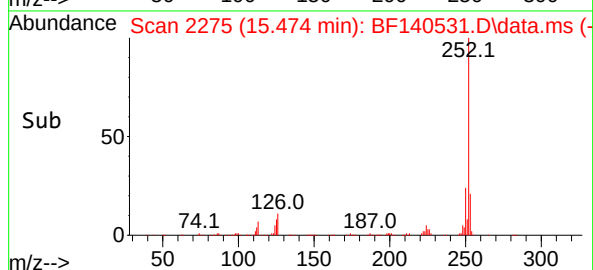
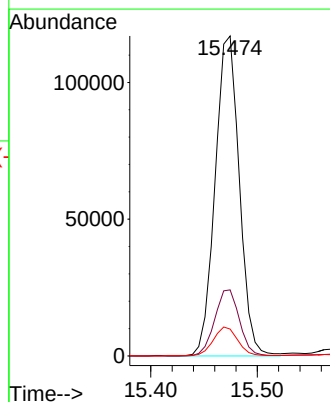
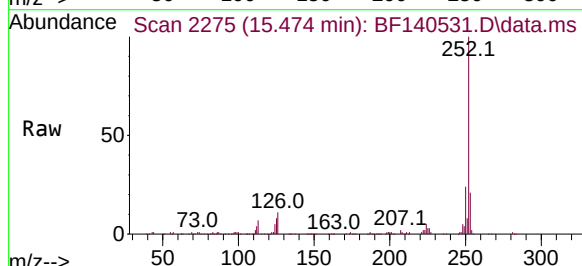
Tgt Ion:252 Resp: 184528

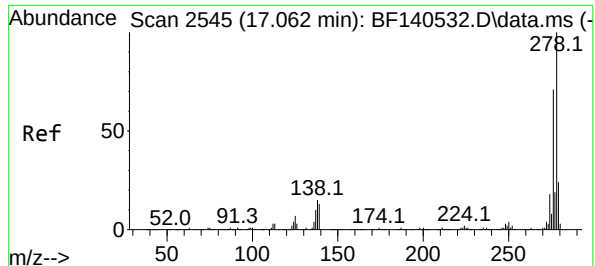
Ion Ratio Lower Upper

252 100

253 20.7 17.3 25.9

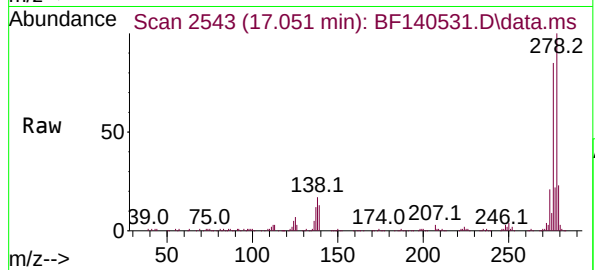
125 8.4 7.0 10.6





#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

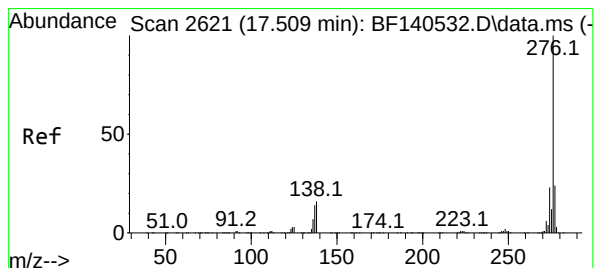
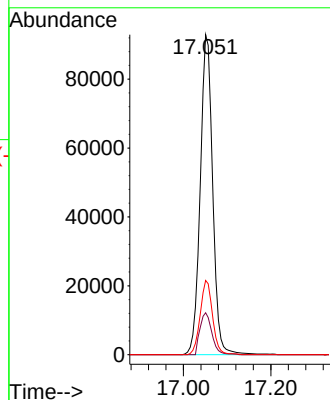
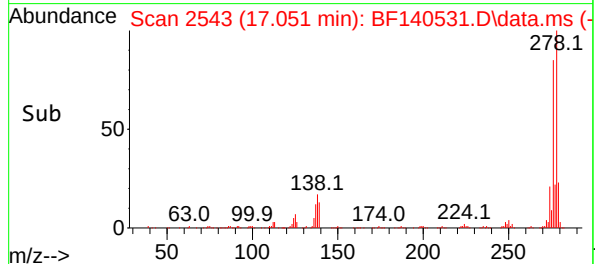
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

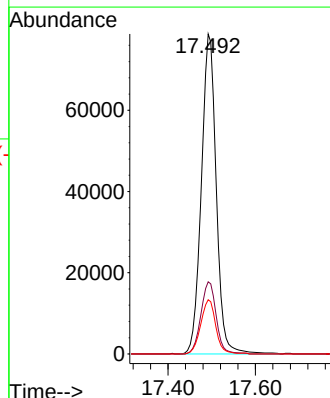
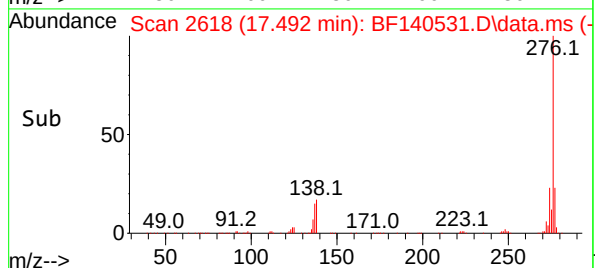
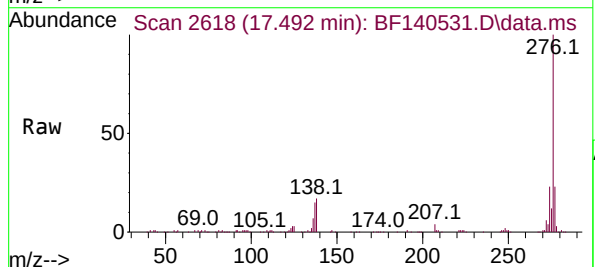
Manual Integrations
APPROVED

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

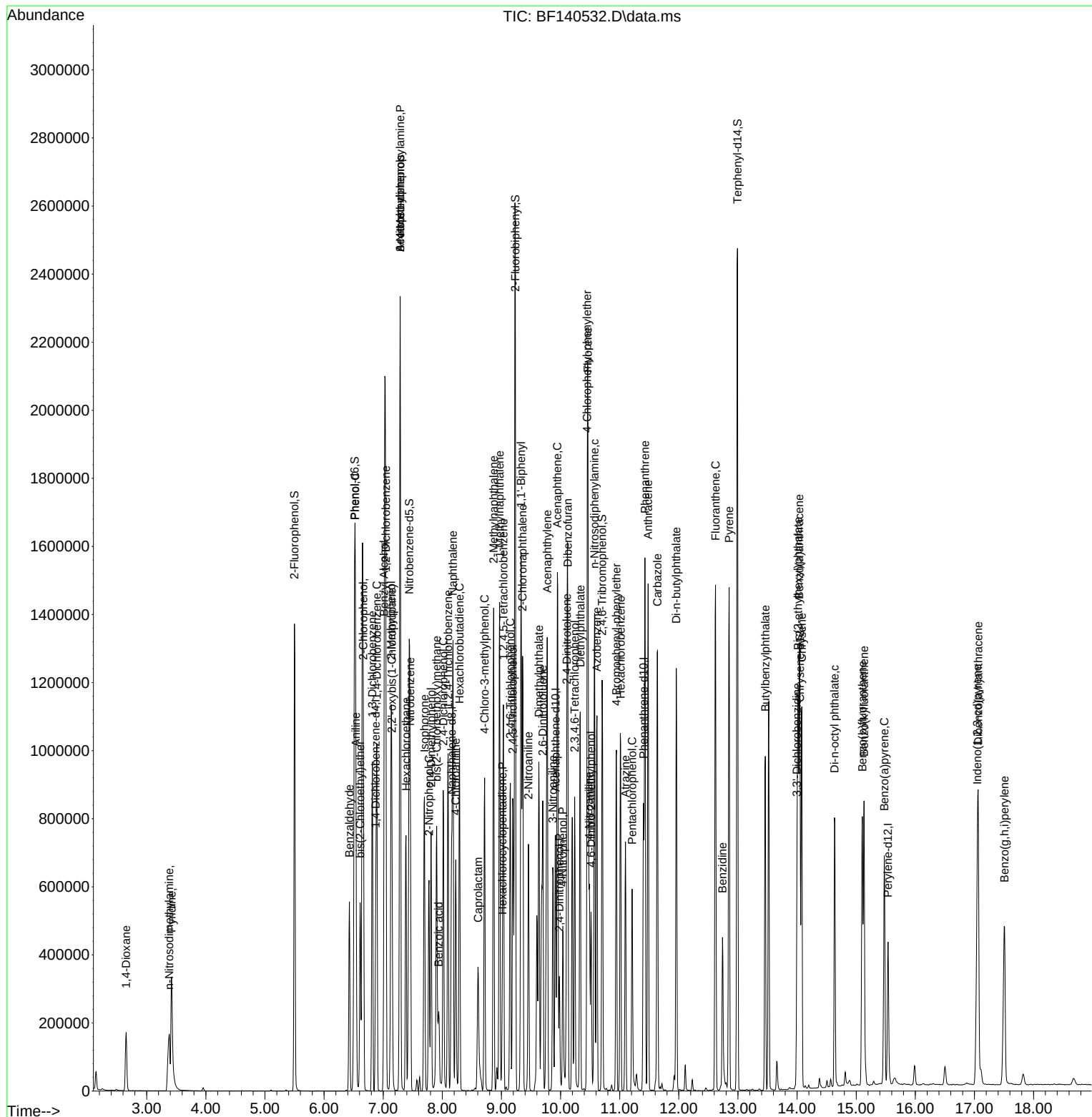
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140532.D
Acq On : 21 Nov 2024 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

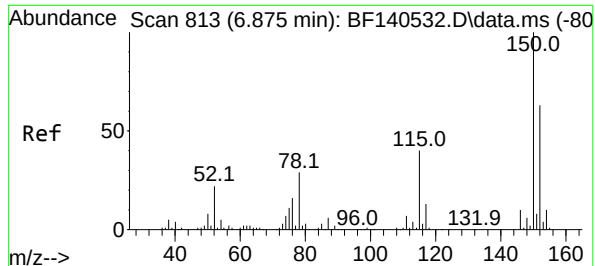
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

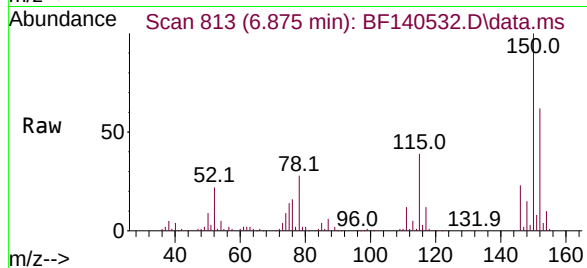
Quant Time: Nov 21 15:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration





#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

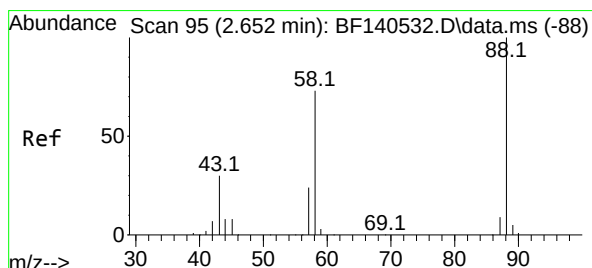
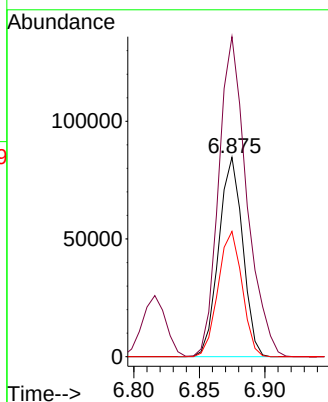
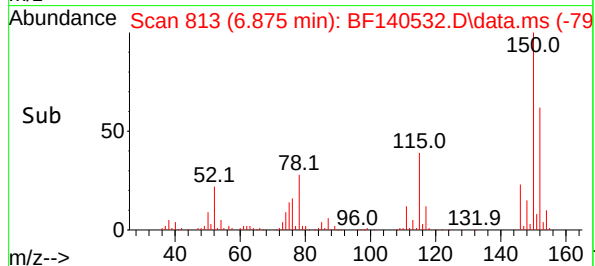
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

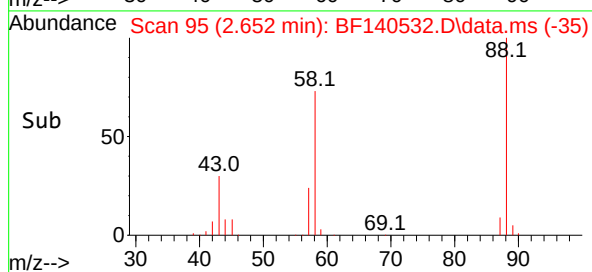
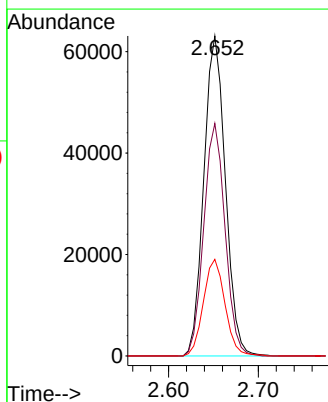
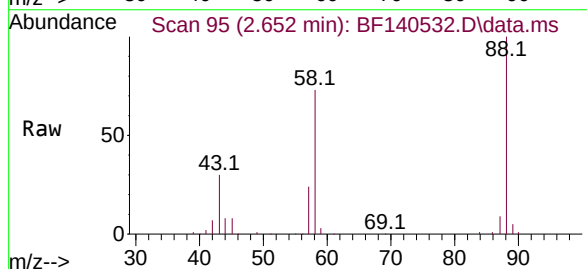
Manual Integrations
APPROVED

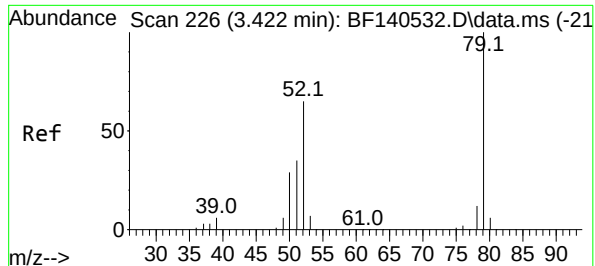
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

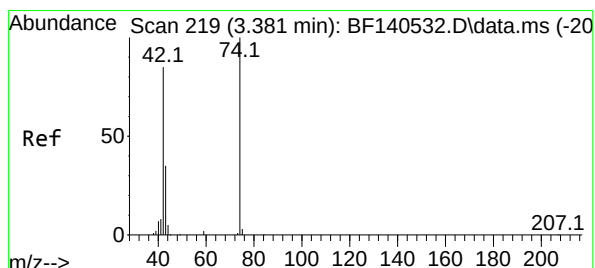
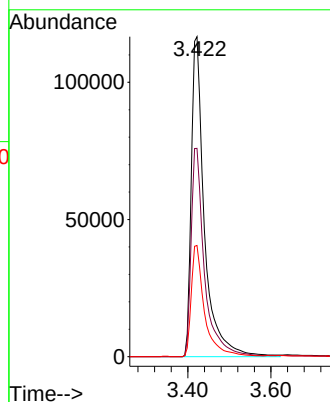
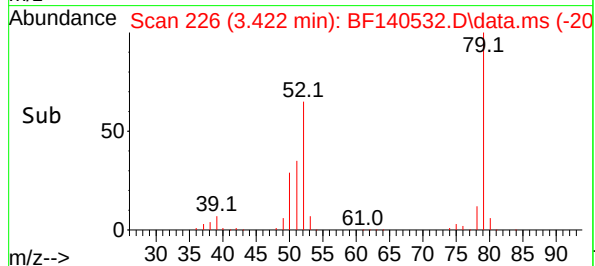
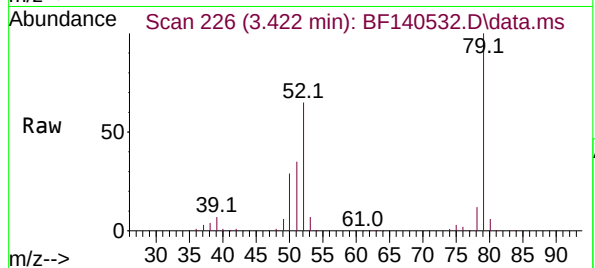
51 34.8 27.8 41.8

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

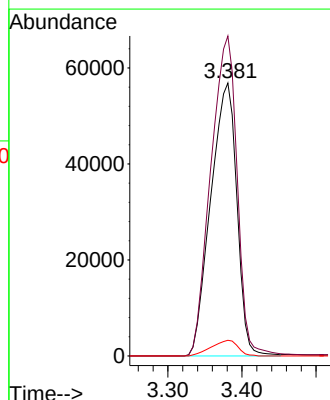
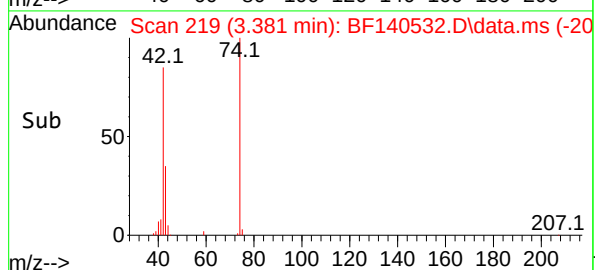
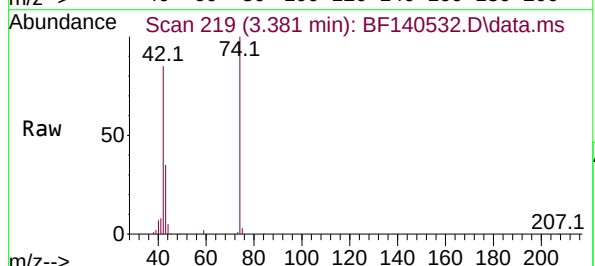
Tgt Ion: 42 Resp: 139435

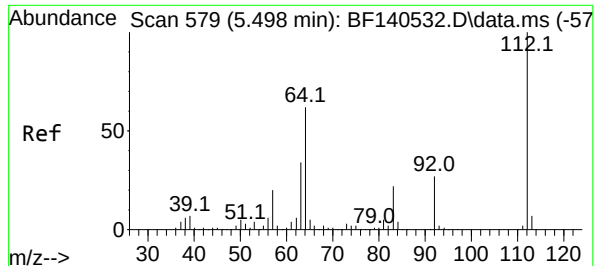
Ion Ratio Lower Upper

42 100

74 117.2 93.8 140.6

44 5.7 4.6 6.8





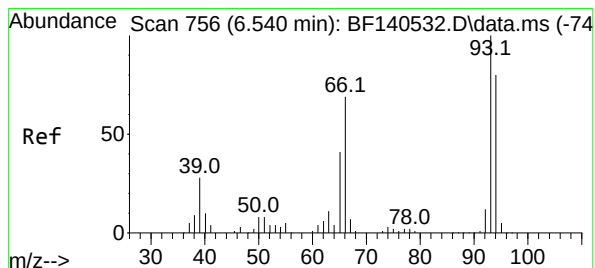
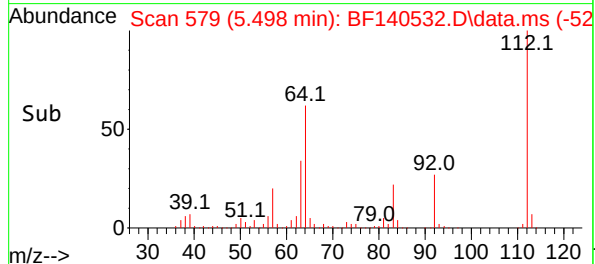
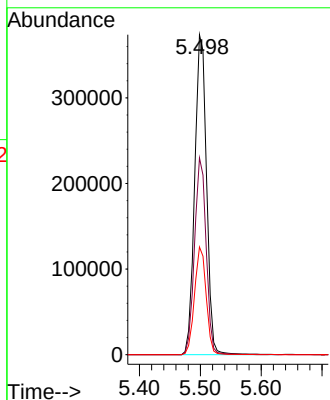
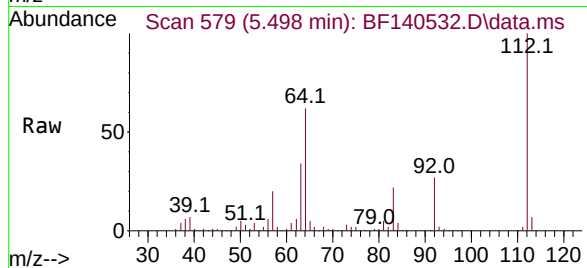
#5
2-Fluorophenol
Concen: 80.111 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

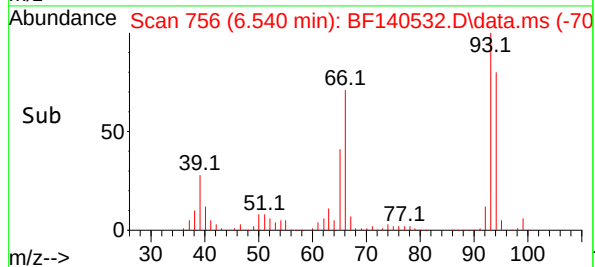
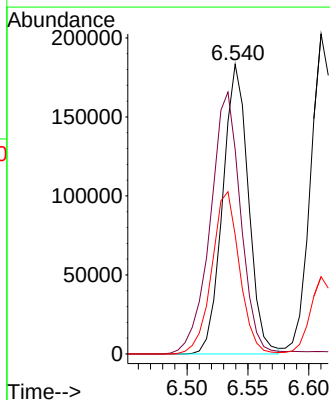
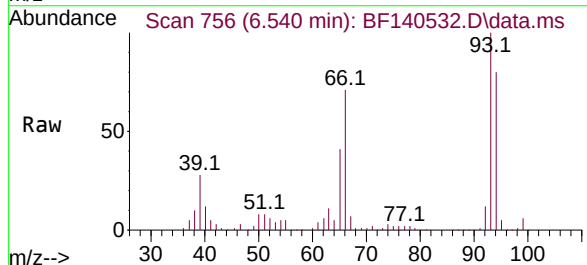
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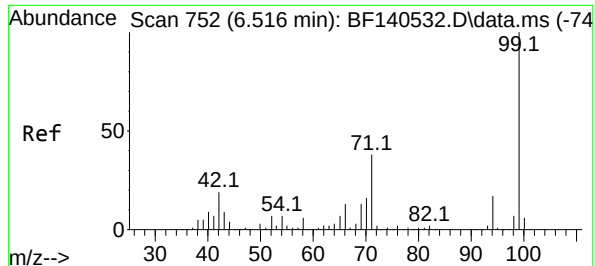
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

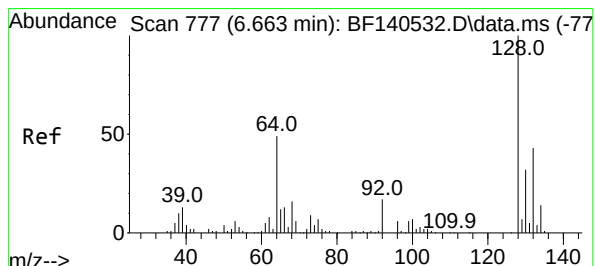
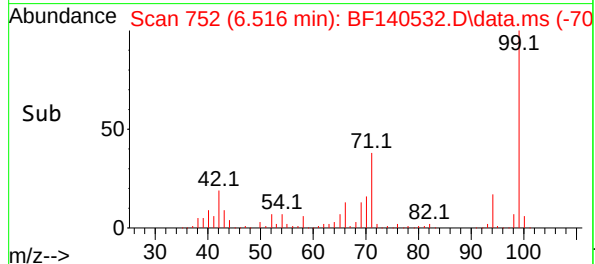
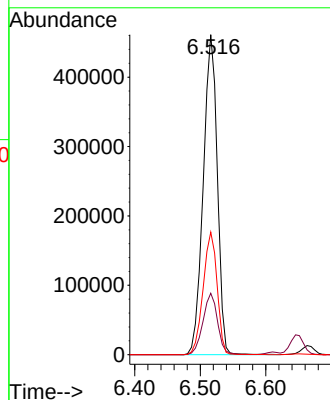
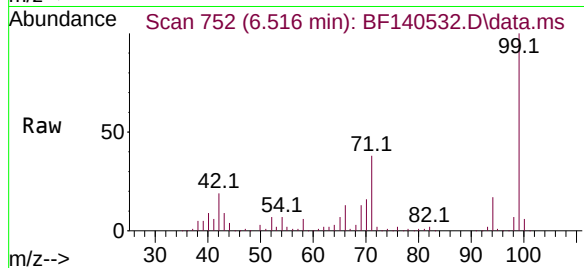
71 38.3 30.6 46.0

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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

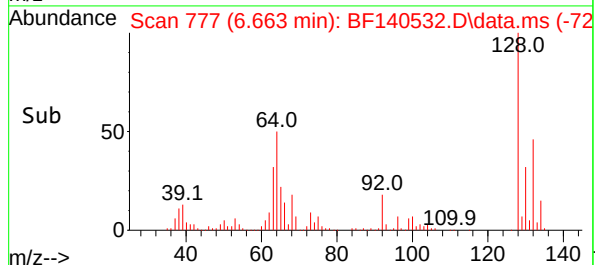
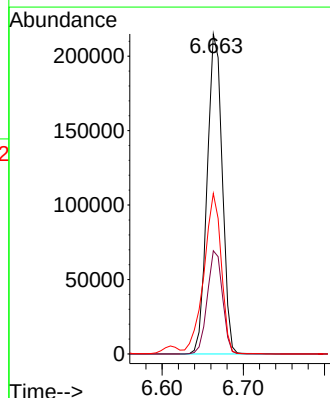
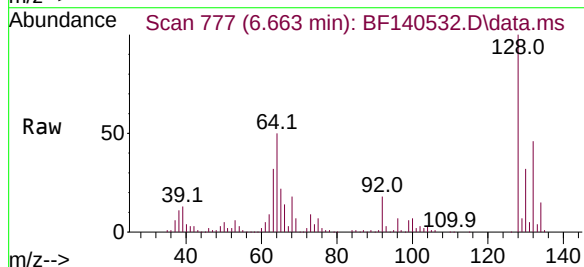
Tgt Ion:128 Resp: 275937

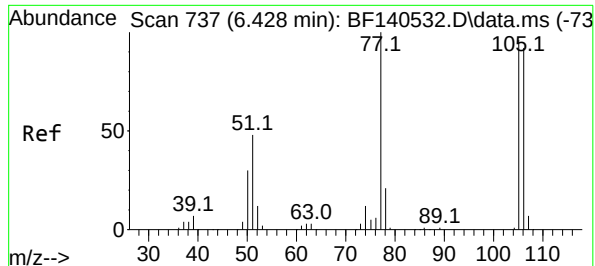
Ion Ratio Lower Upper

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# 737

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

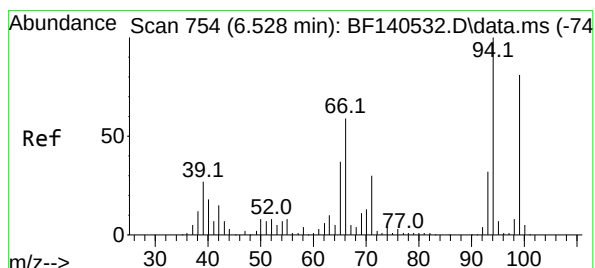
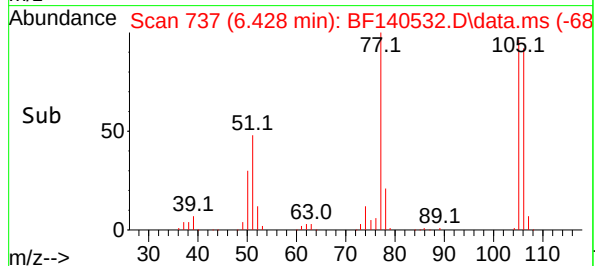
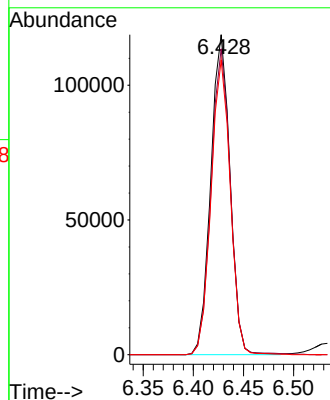
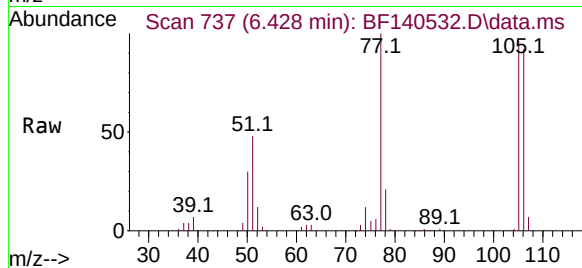
106 92.0 72.0 112.0

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

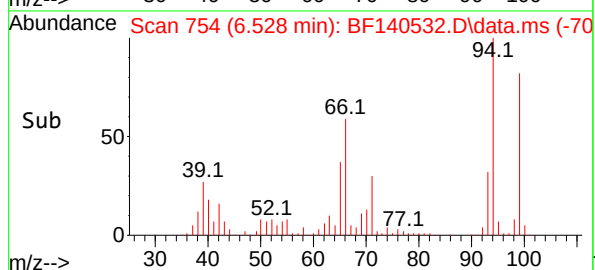
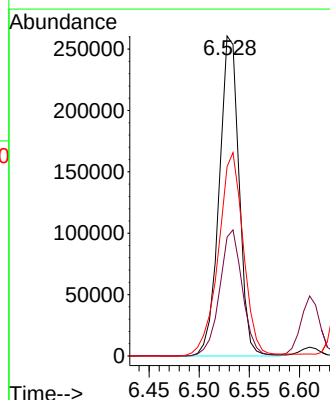
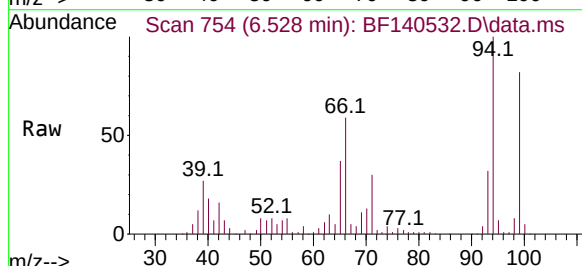
Tgt Ion: 94 Resp: 358490

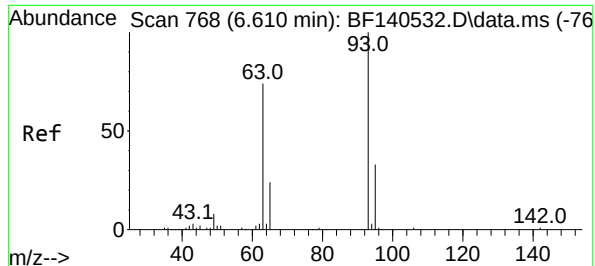
Ion Ratio Lower Upper

94 100

65 37.2 17.2 57.2

66 59.2 39.2 79.2





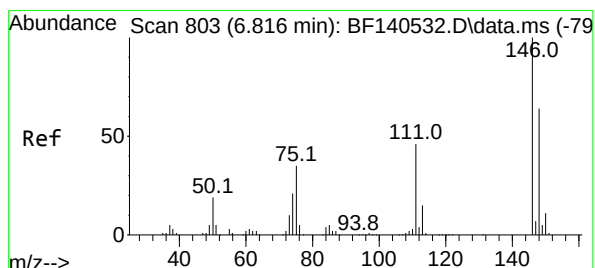
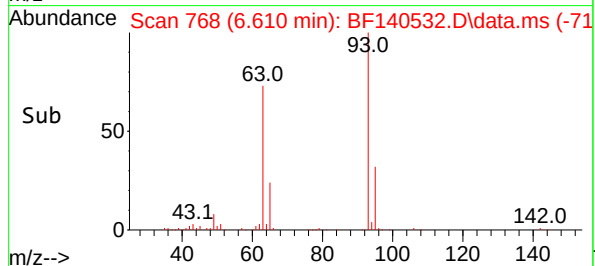
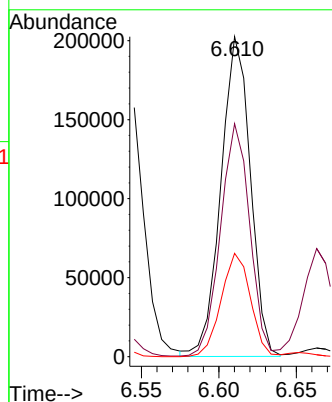
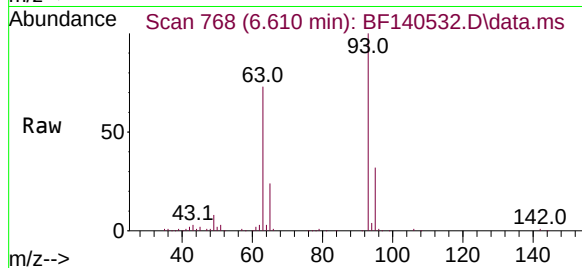
#11
bis(2-Chloroethyl)ether
Concen: 41.142 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

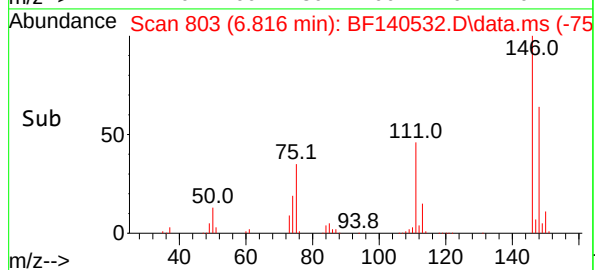
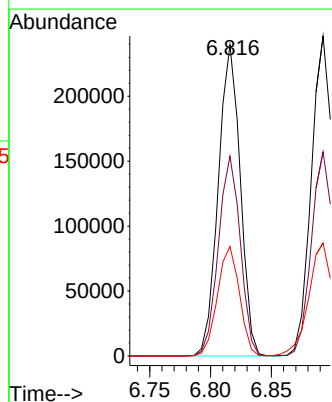
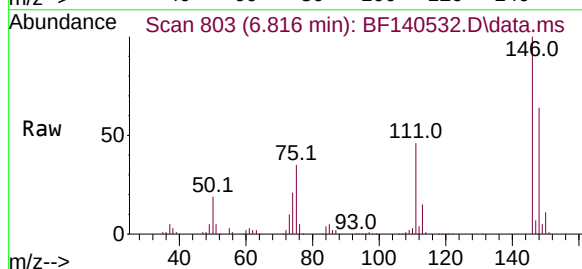
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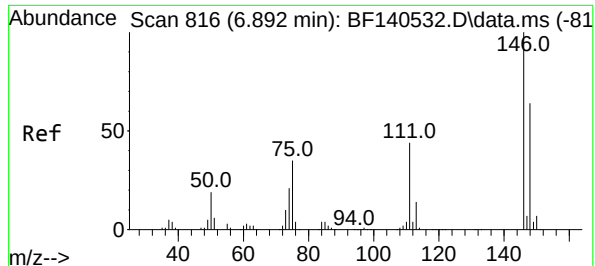
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

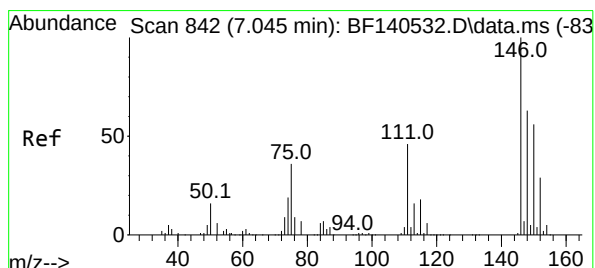
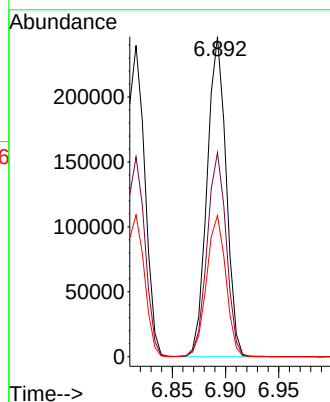
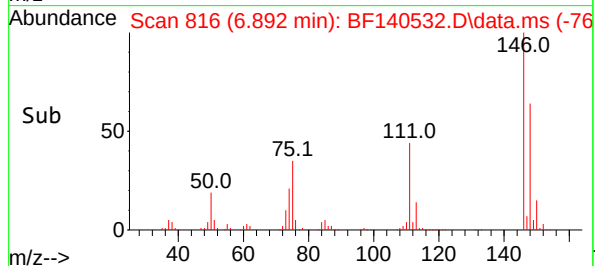
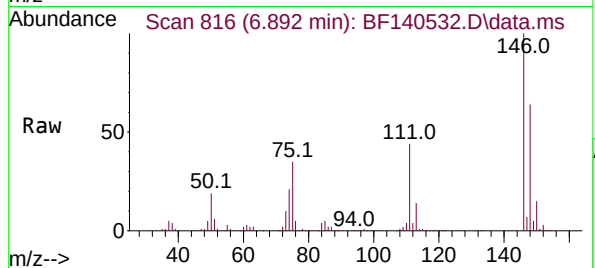
111 44.1 35.3 52.9

Manual Integrations

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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

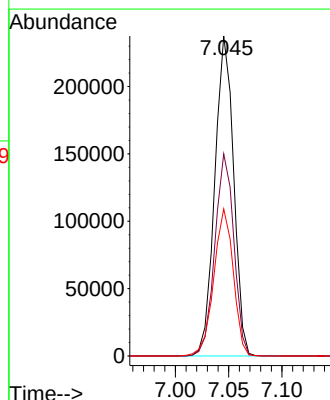
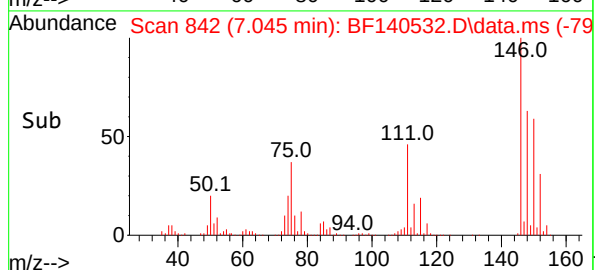
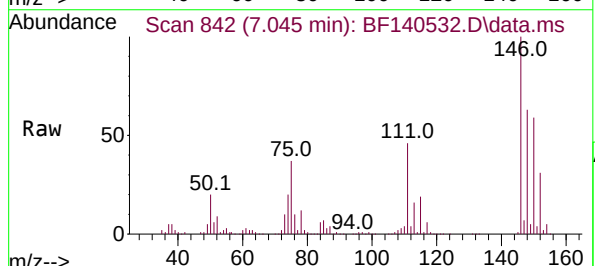
Tgt Ion:146 Resp: 291347

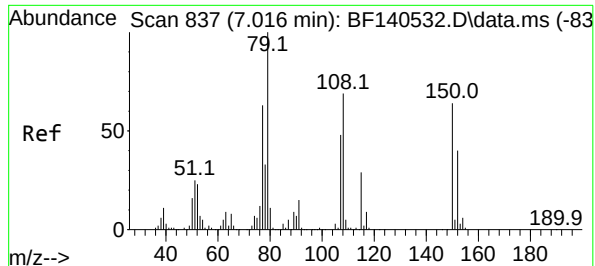
Ion Ratio Lower Upper

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

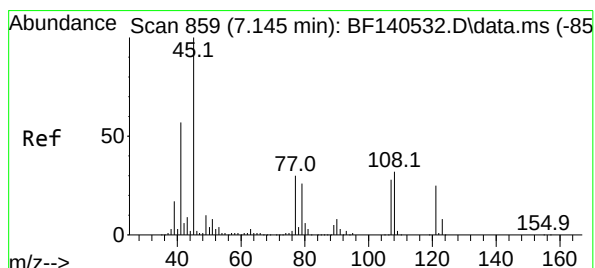
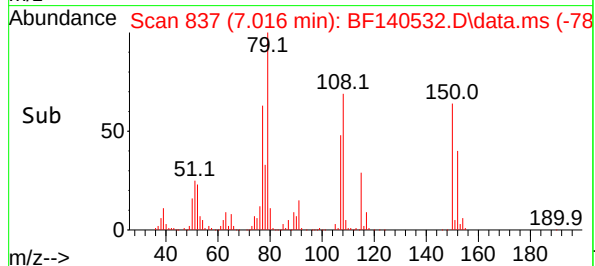
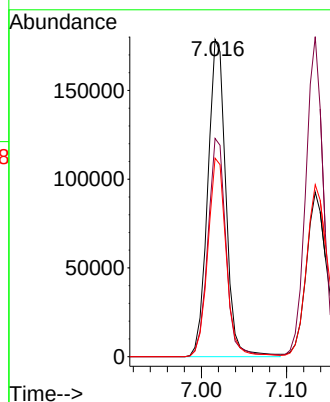
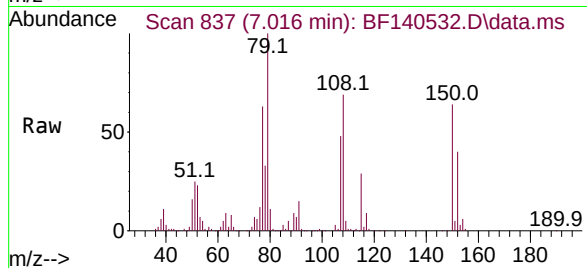
77 62.6 50.1 75.1

Manual Integrations

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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

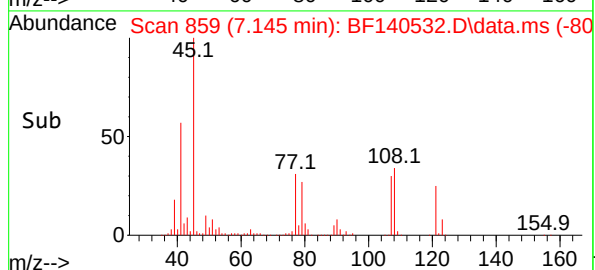
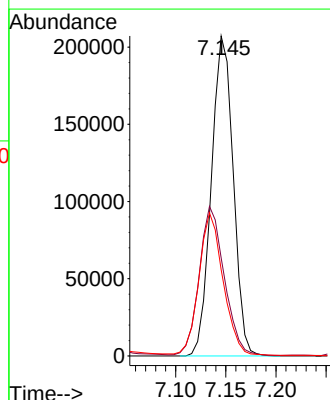
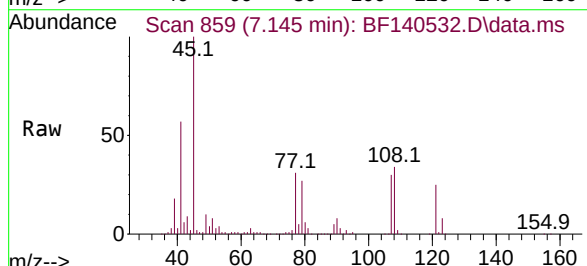
Tgt Ion: 45 Resp: 314582

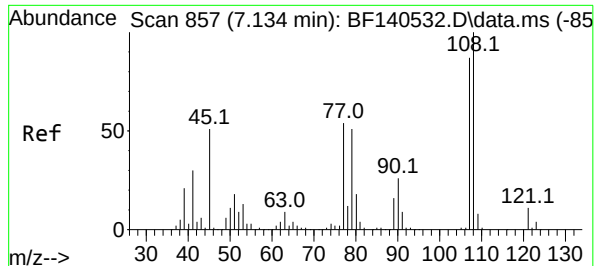
Ion Ratio Lower Upper

45 100

77 30.7 10.7 50.7

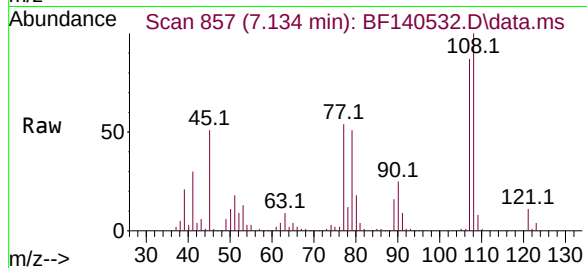
79 27.0 7.0 47.0





#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

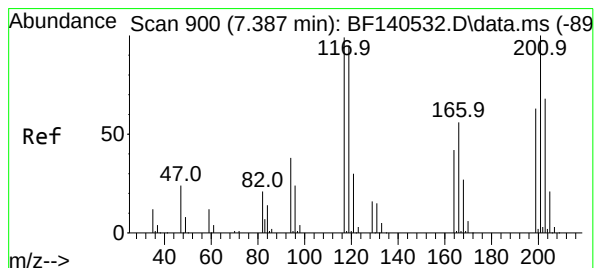
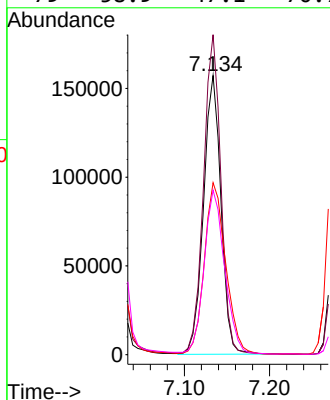
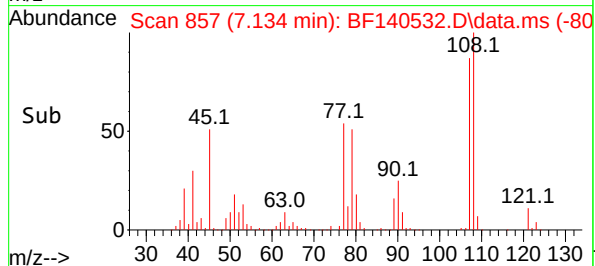
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



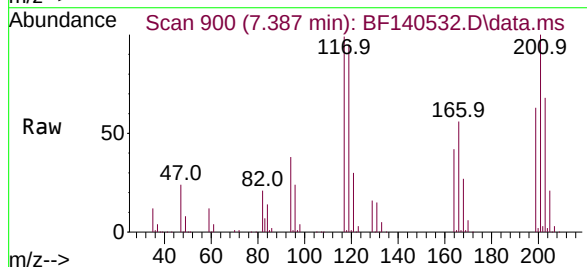
Tgt Ion:107 Resp: 22397
Ion Ratio Lower Upper
107 100
108 114.6 91.7 137.5
77 61.6 49.3 73.9
79 58.9 47.1 70.7

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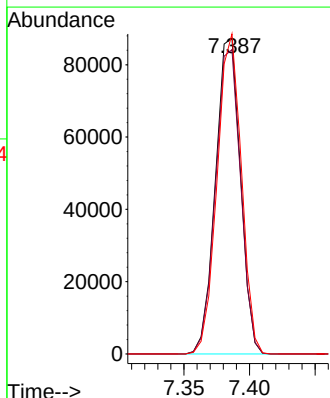
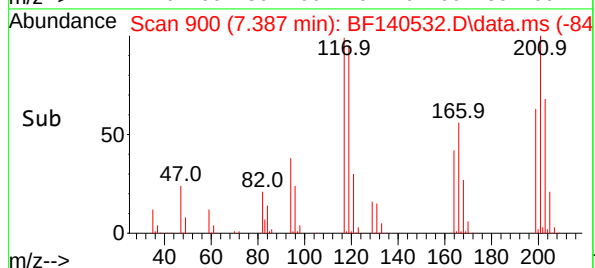
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

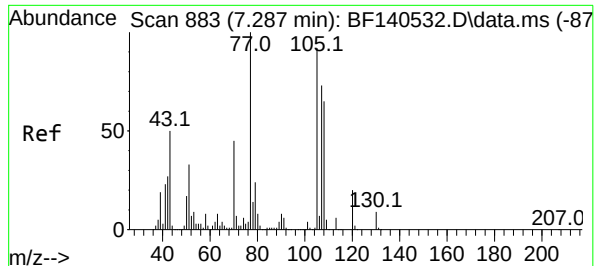


#18
Hexachloroethane
Concen: 40.087 ng
RT: 7.387 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



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

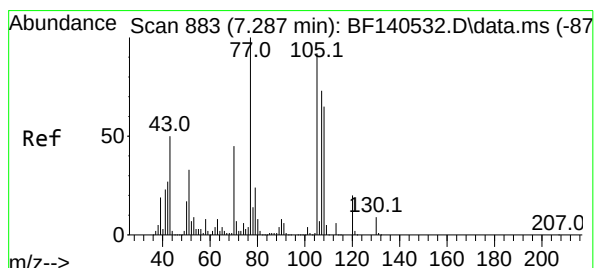
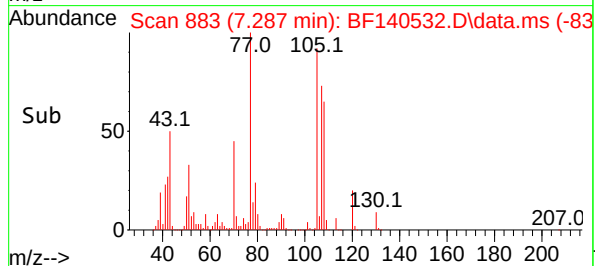
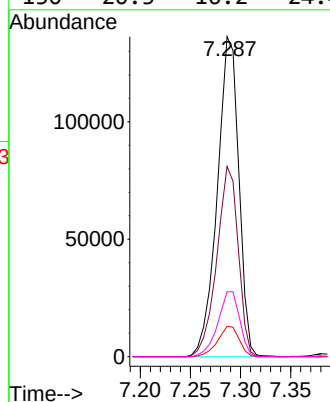
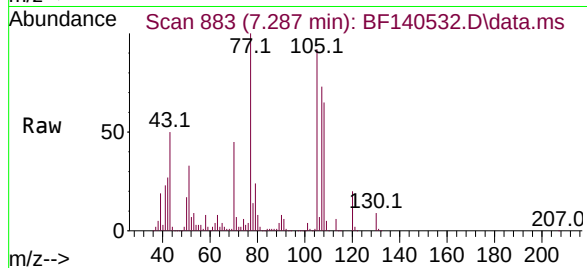
130 20.3 16.2 24.4

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

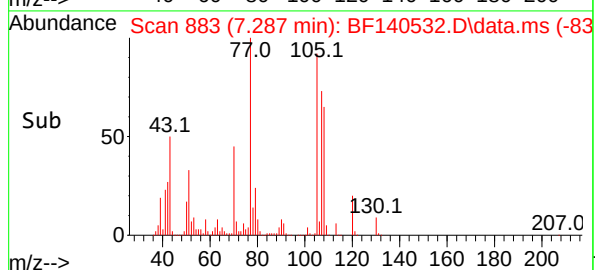
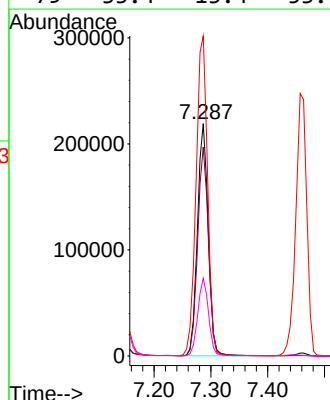
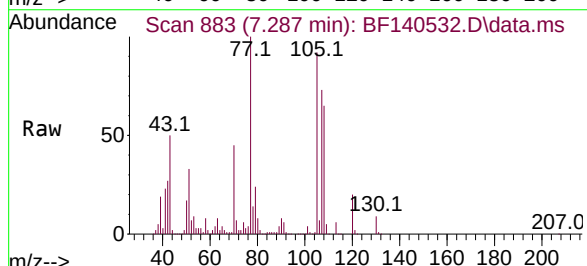
Ion Ratio Lower Upper

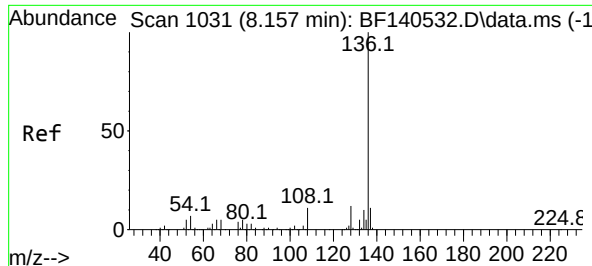
107 100

108 89.9 69.9 109.9

77 137.7 117.7 157.7

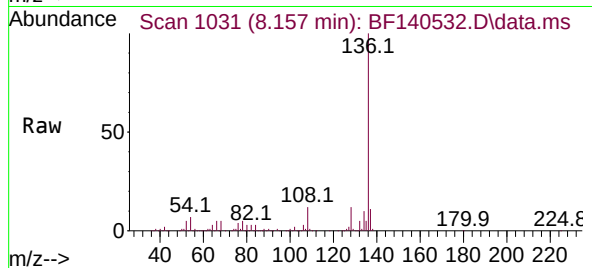
79 33.4 13.4 53.4





#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

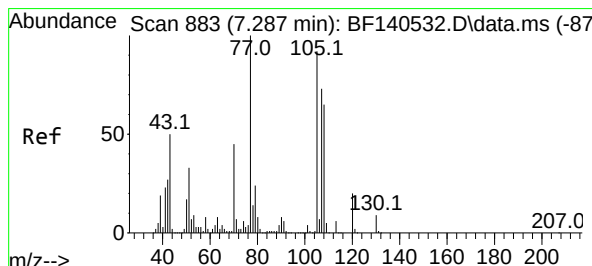
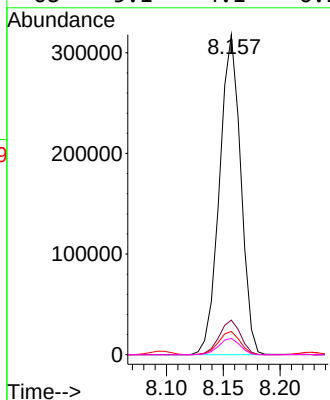
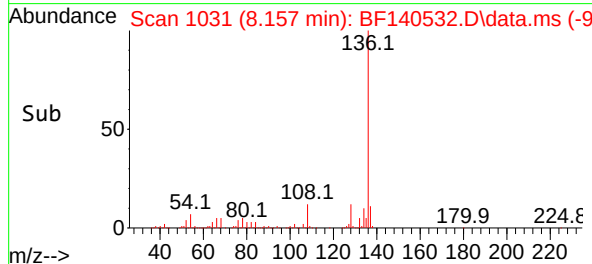
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

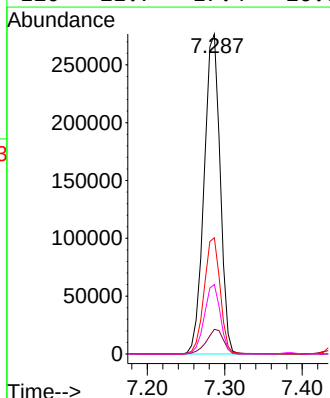
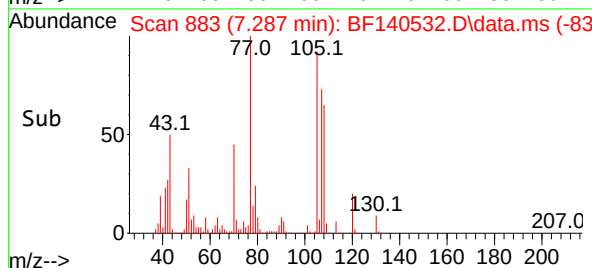
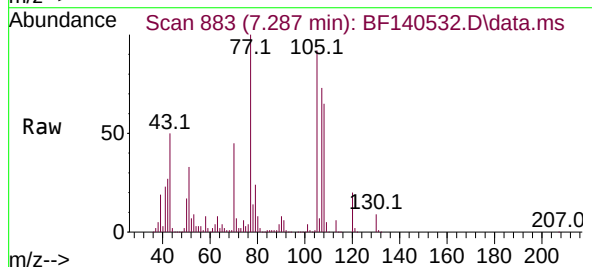
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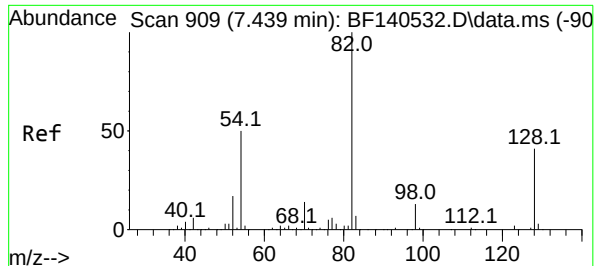
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

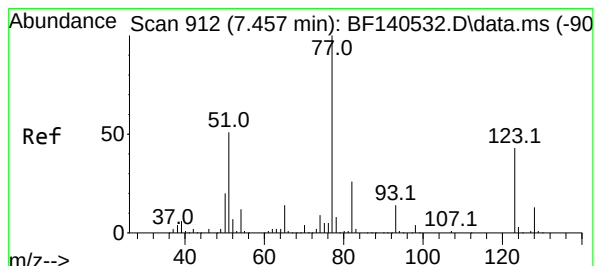
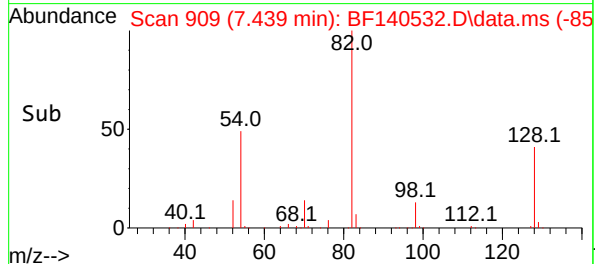
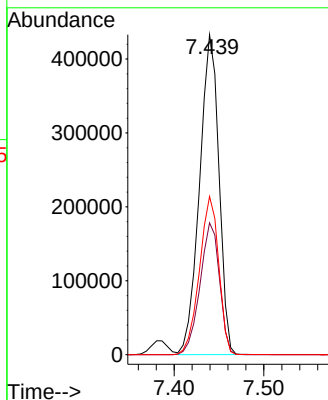
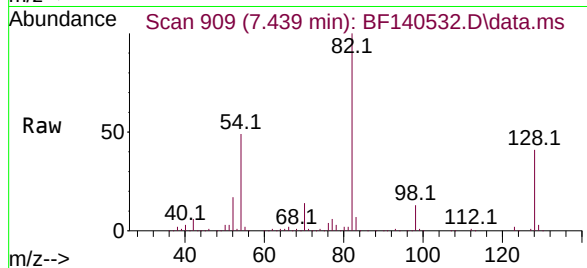
54 49.4 39.5 59.3

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

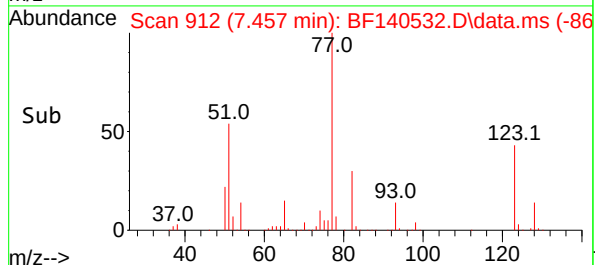
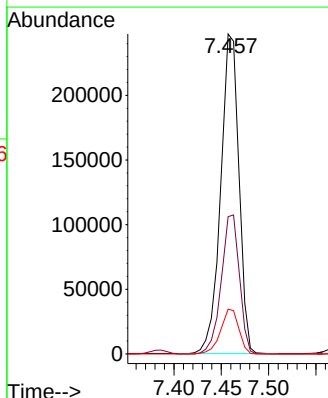
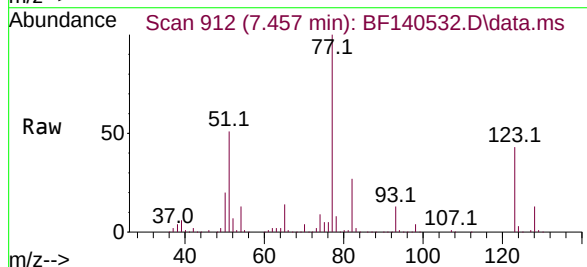
Tgt Ion: 77 Resp: 331927

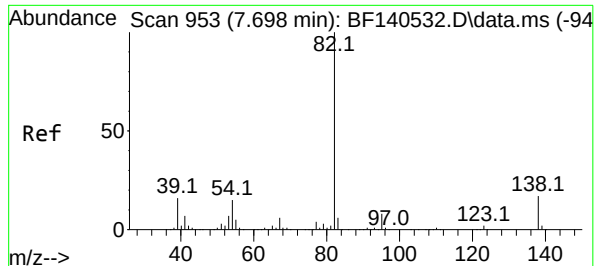
Ion Ratio Lower Upper

77 100

123 42.9 34.3 51.5

65 14.0 11.2 16.8





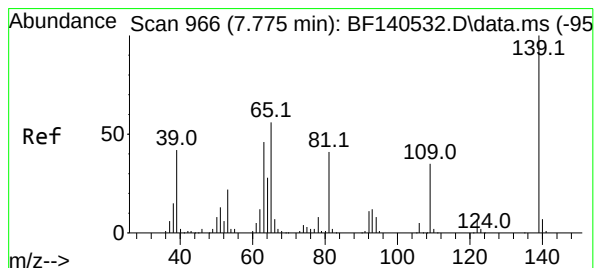
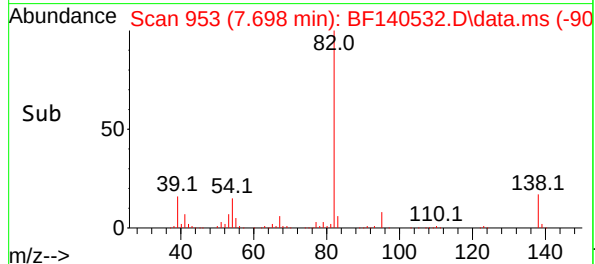
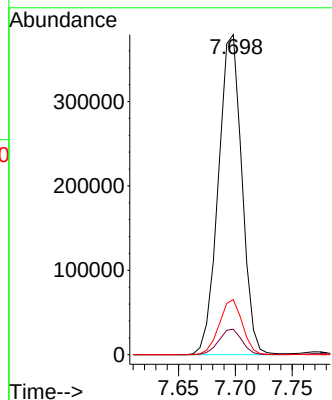
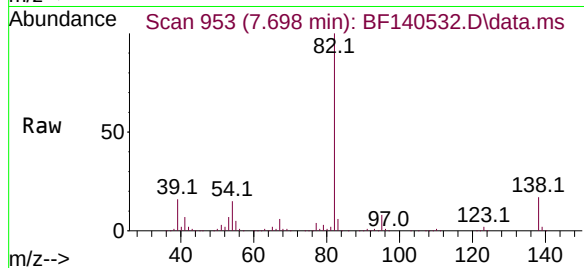
#25
Isophorone
Concen: 40.576 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

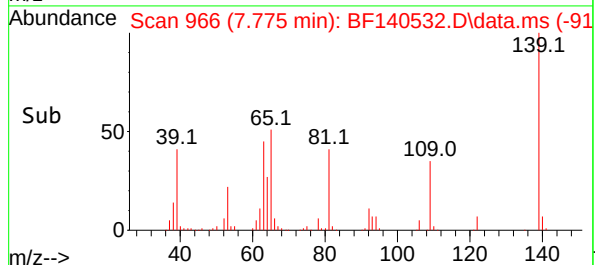
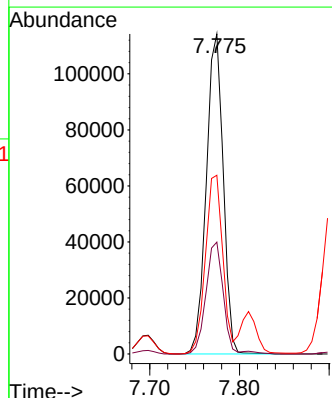
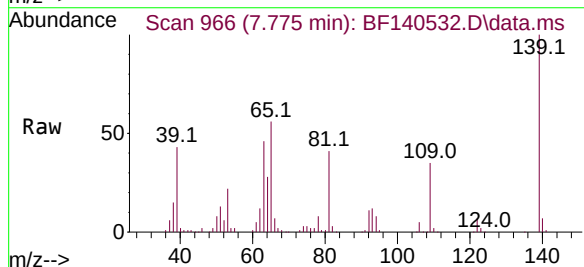
Manual Integrations
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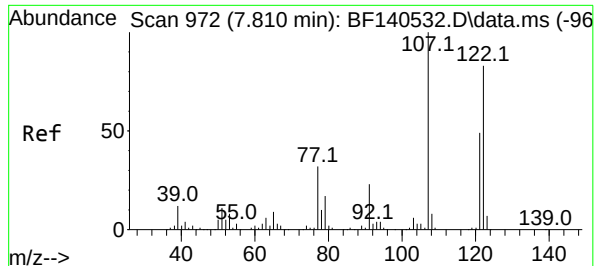
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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# 972

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

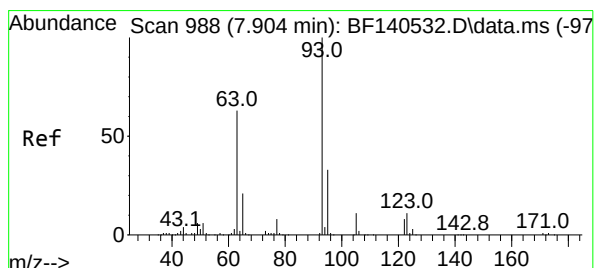
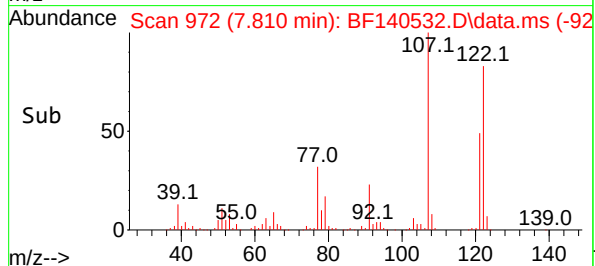
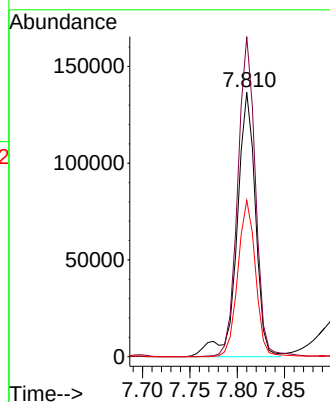
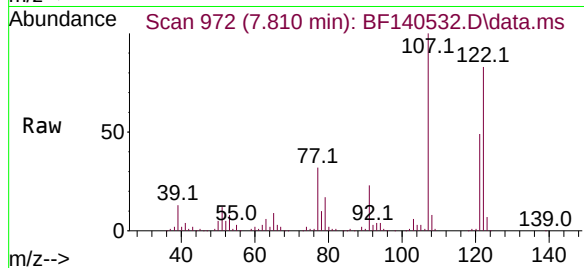
121 59.2 47.4 71.0

Manual Integrations

APPROVED

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

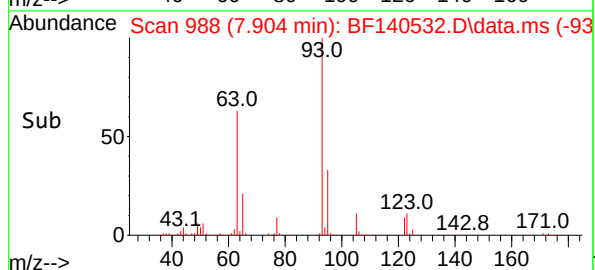
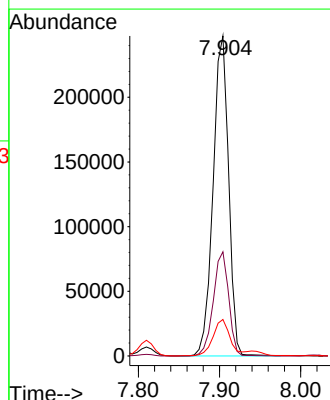
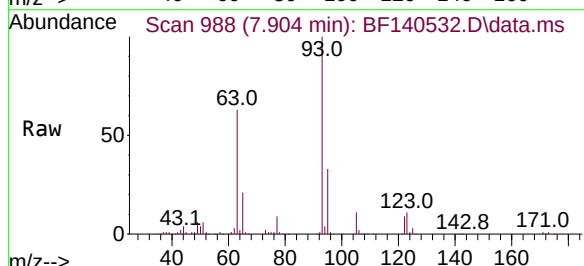
Tgt Ion: 93 Resp: 328053

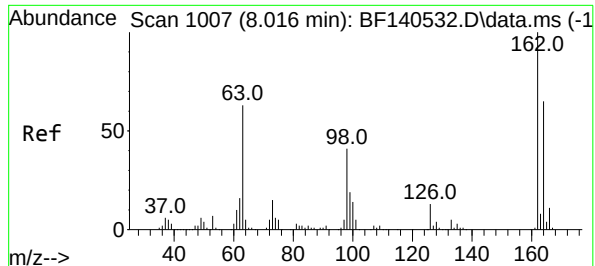
Ion Ratio Lower Upper

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

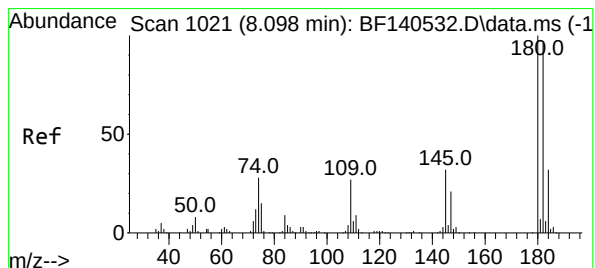
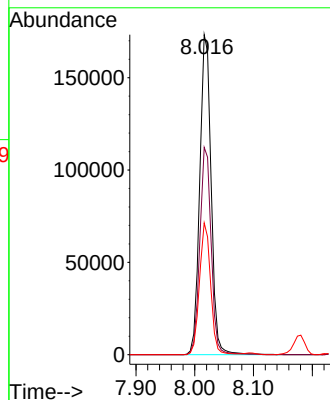
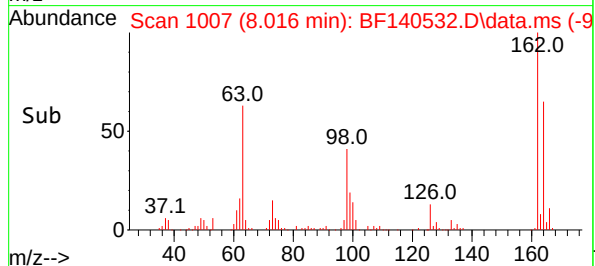
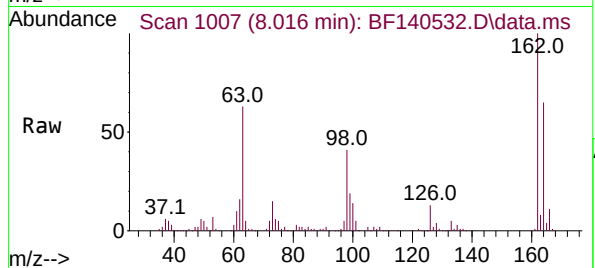
98 41.2 21.2 61.2

Manual Integrations

APPROVED

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

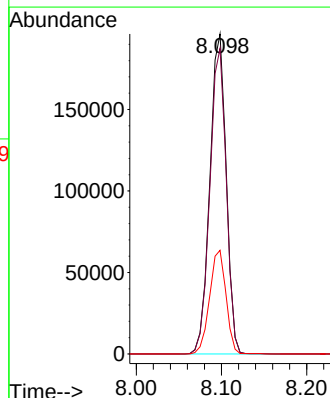
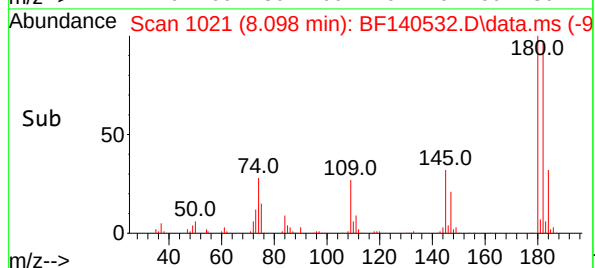
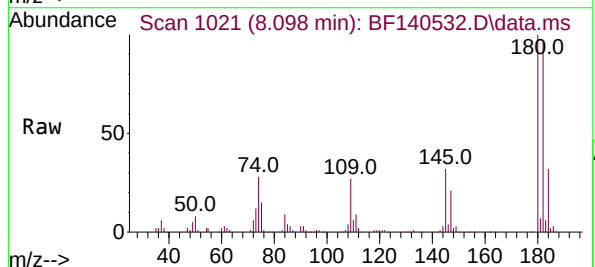
Tgt Ion:180 Resp: 261862

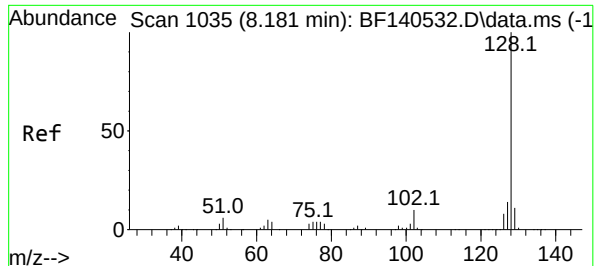
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.4 25.9 38.9





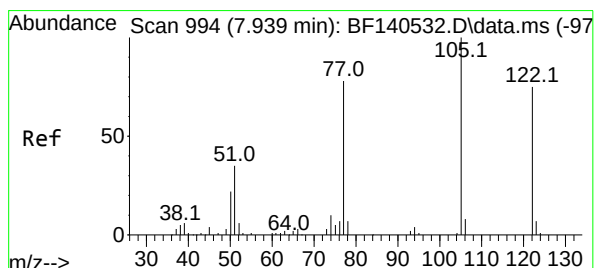
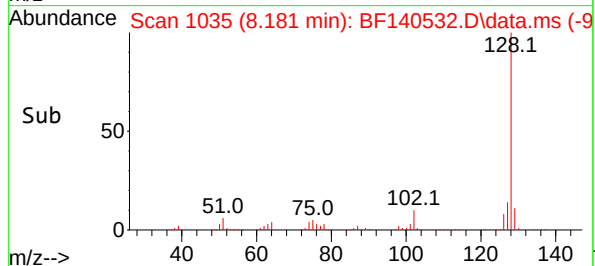
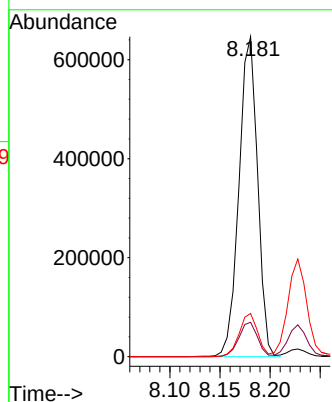
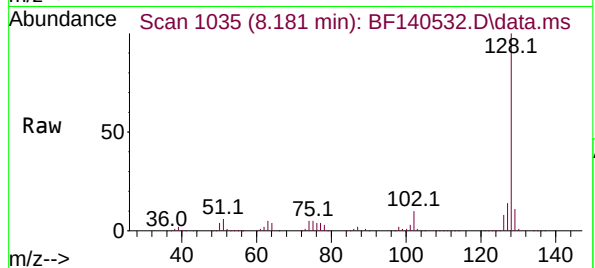
#31
Naphthalene
Concen: 39.318 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

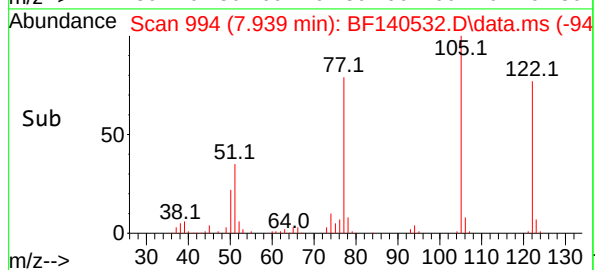
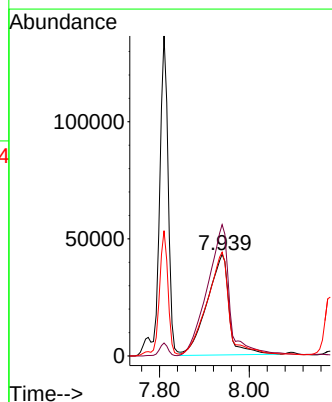
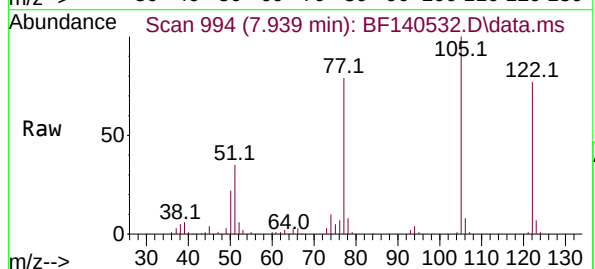
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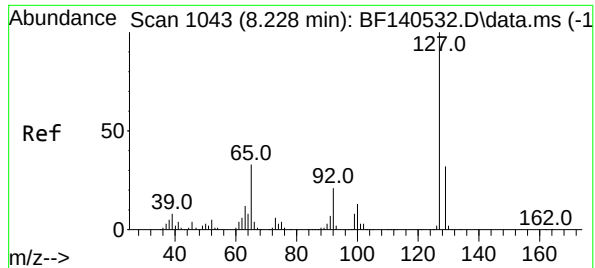
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





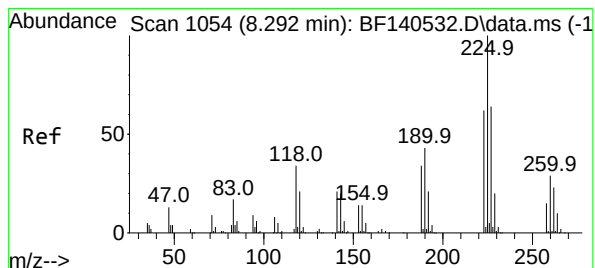
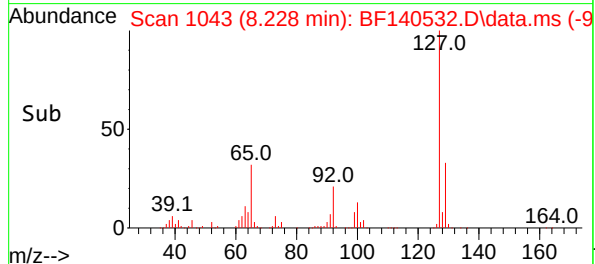
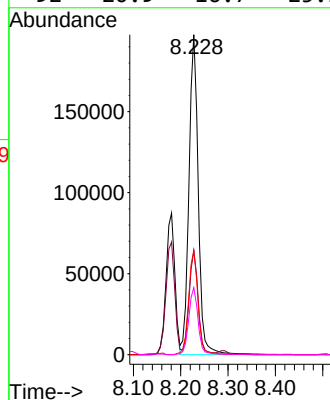
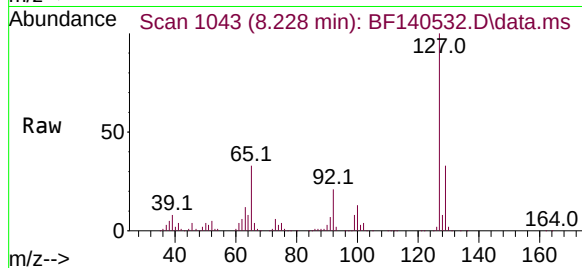
#33
4-Chloroaniline
Concen: 42.139 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

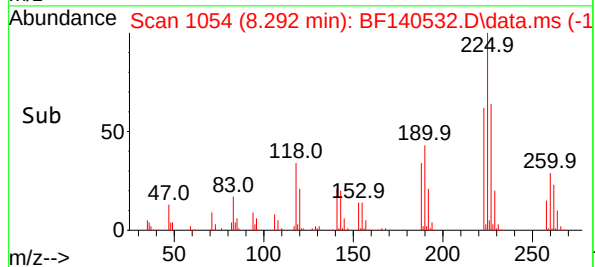
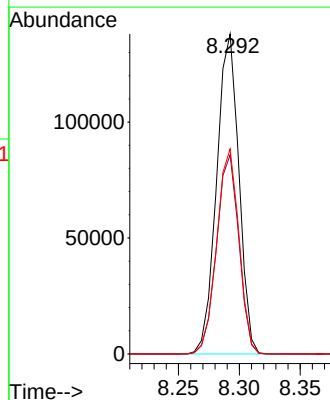
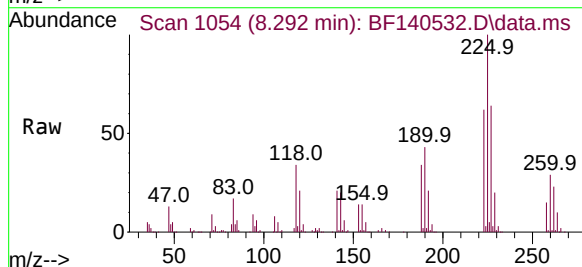
Manual Integrations
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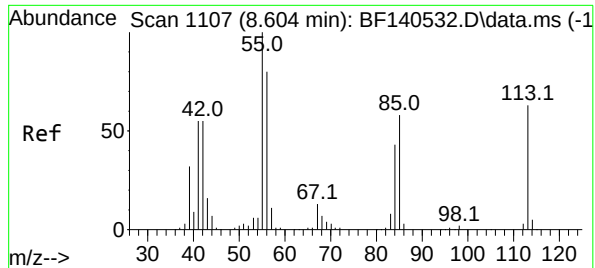
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





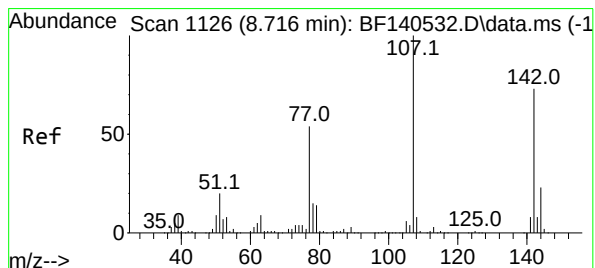
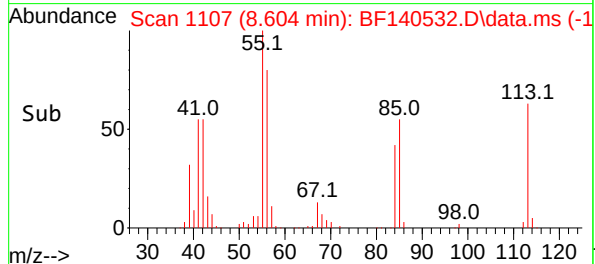
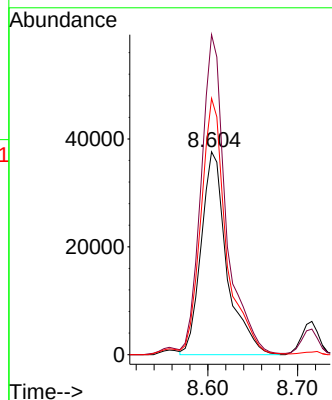
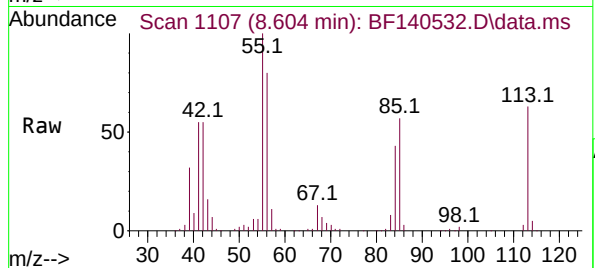
#35
Caprolactam
Concen: 41.168 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

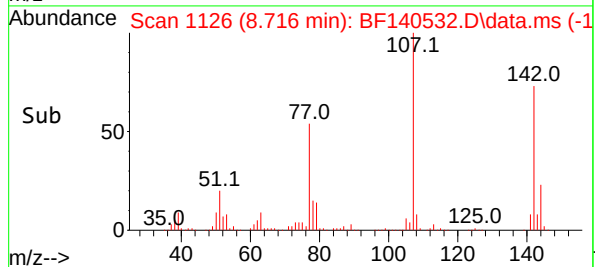
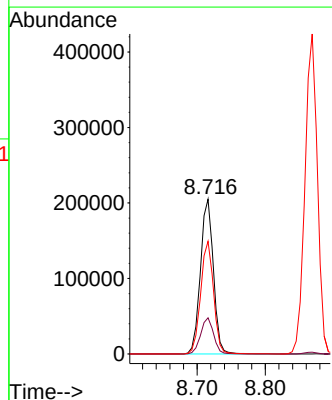
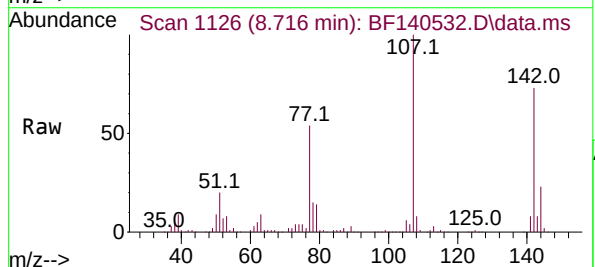
Manual Integrations
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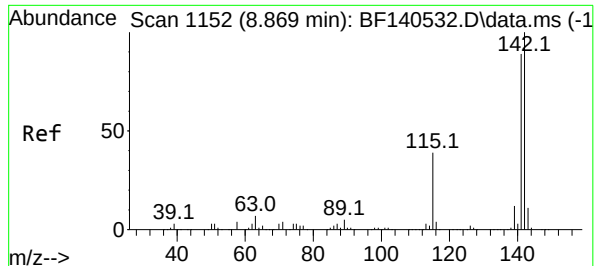
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#36
4-Chloro-3-methylphenol
Concen: 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





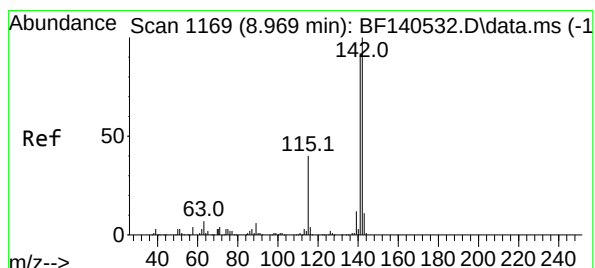
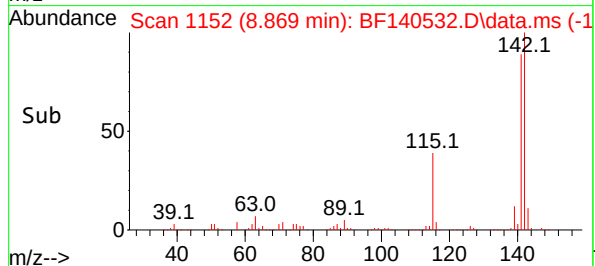
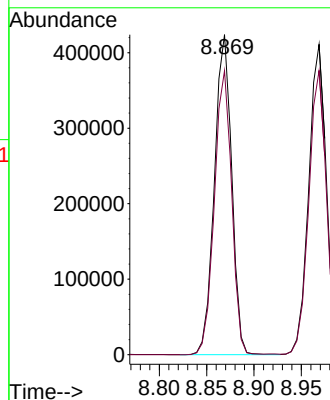
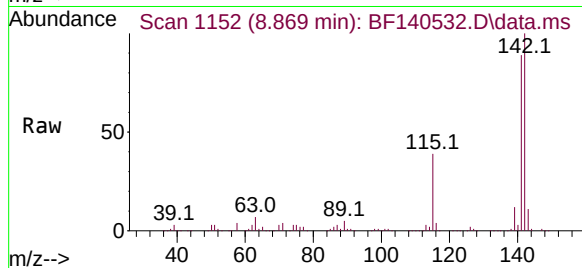
#37
2-Methylnaphthalene
Concen: 39.707 ng
RT: 8.869 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 537039
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6

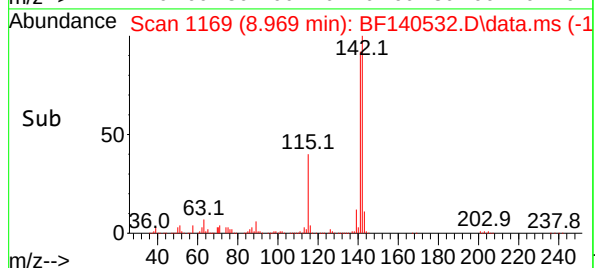
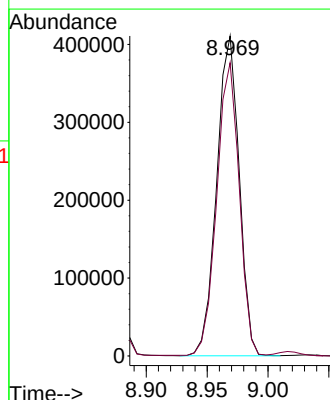
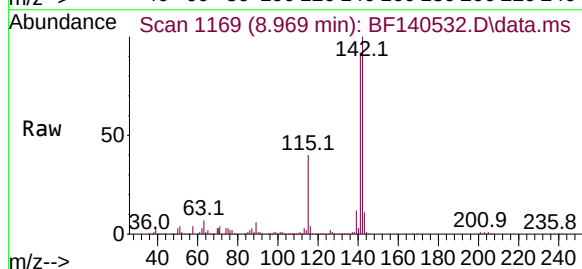
Manual Integrations
APPROVED

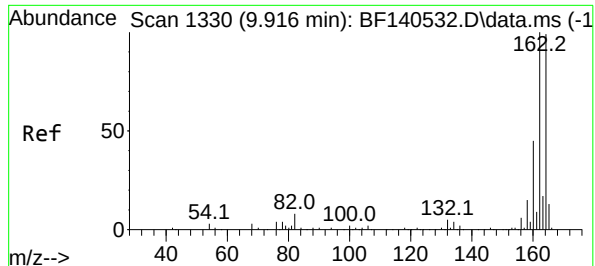
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

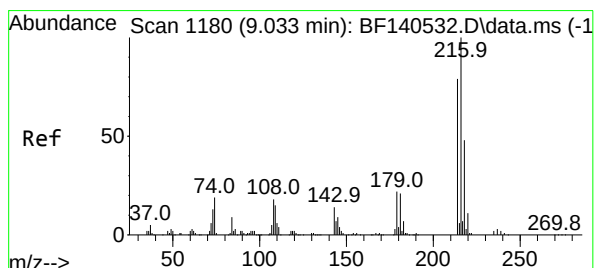
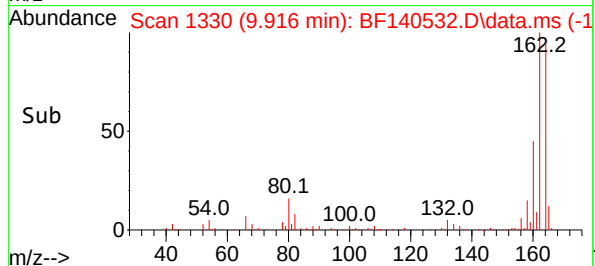
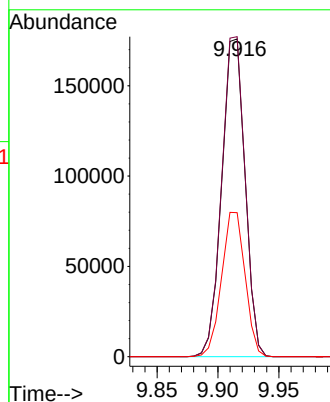
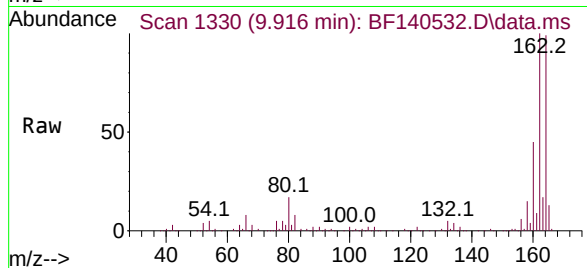
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	45.3	36.2	54.4

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

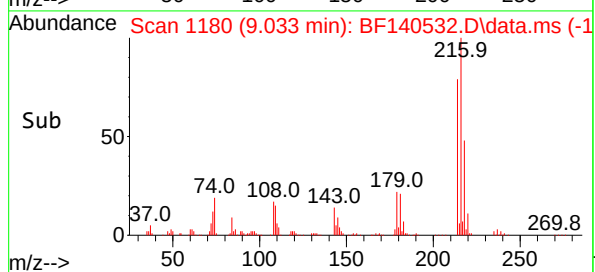
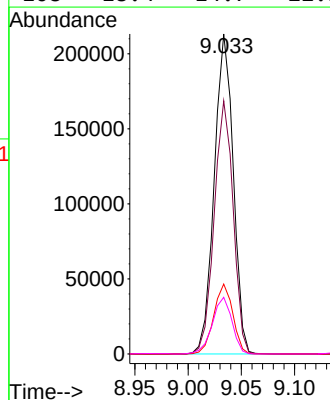
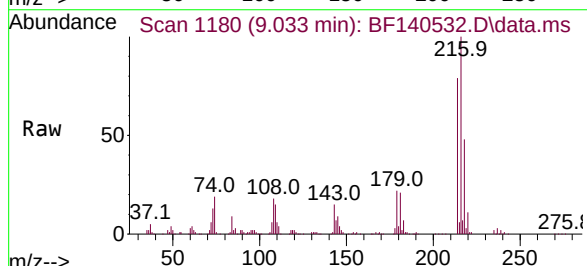
Delta R.T. 0.000 min

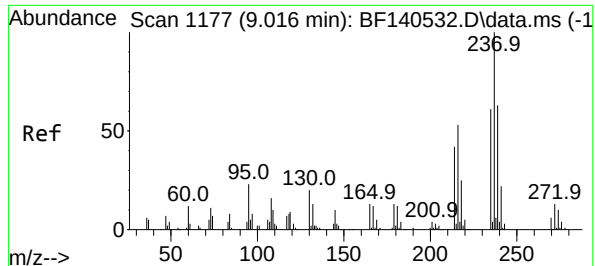
Lab File: BF140532.D

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





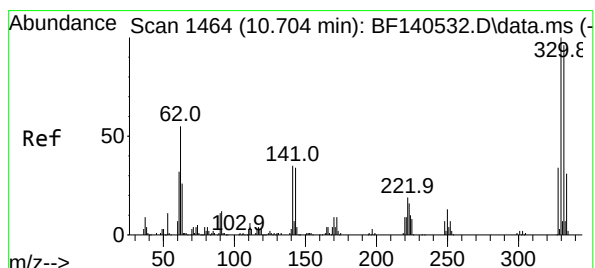
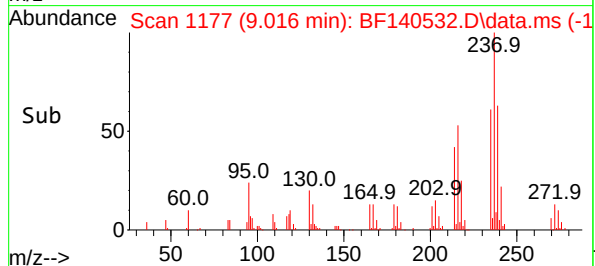
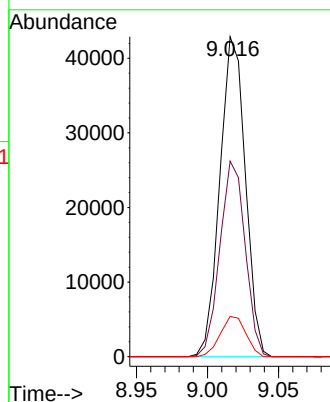
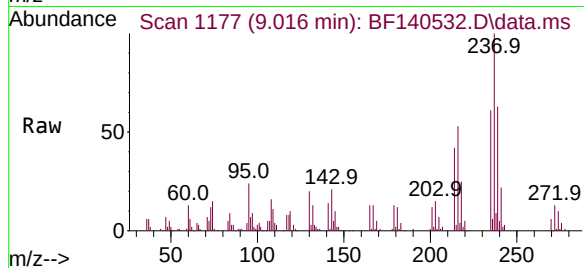
#41
Hexachlorocyclopentadiene
Concen: 38.833 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

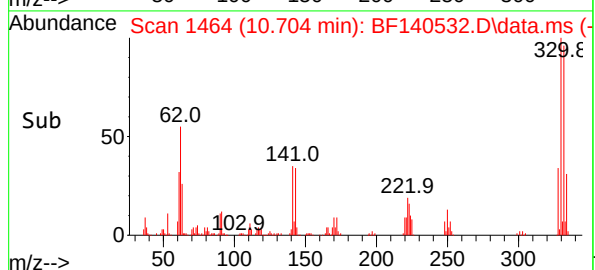
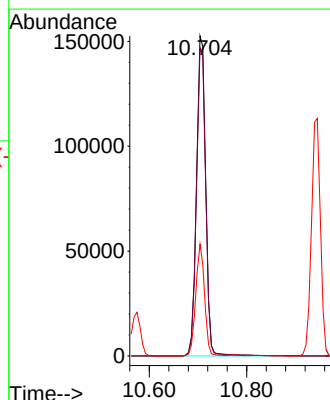
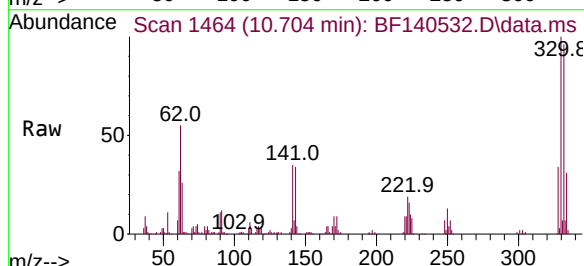
Manual Integrations
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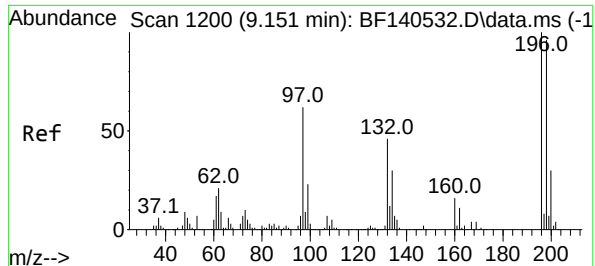
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

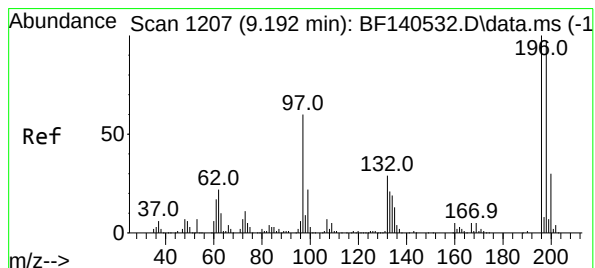
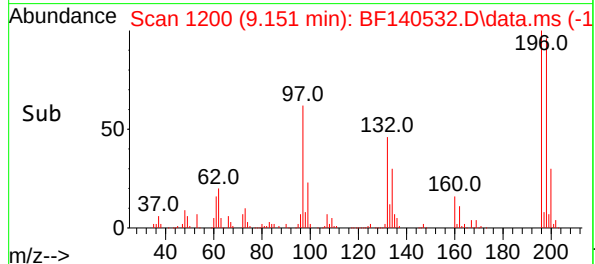
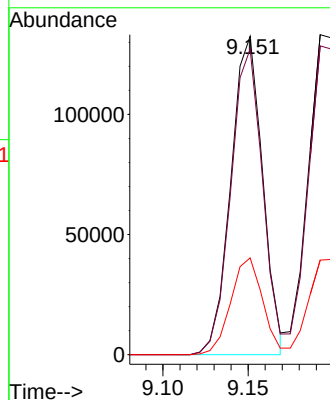
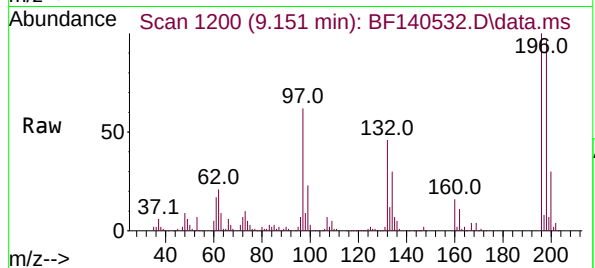
200 30.4 24.3 36.5

Manual Integrations

APPROVED

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

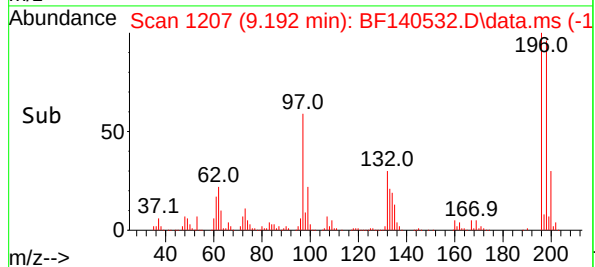
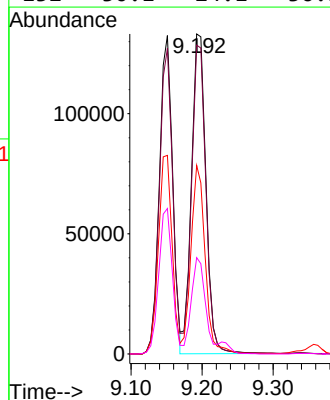
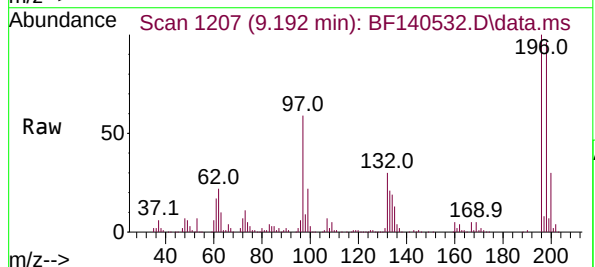
Ion Ratio Lower Upper

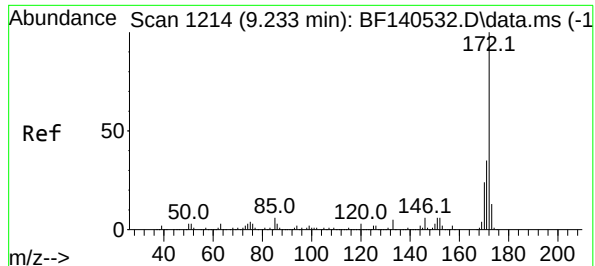
196 100

198 96.5 77.2 115.8

97 58.9 47.1 70.7

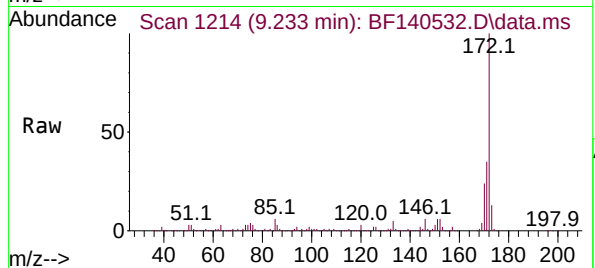
132 30.1 24.1 36.1





#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

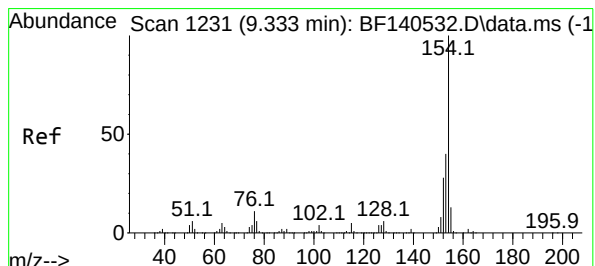
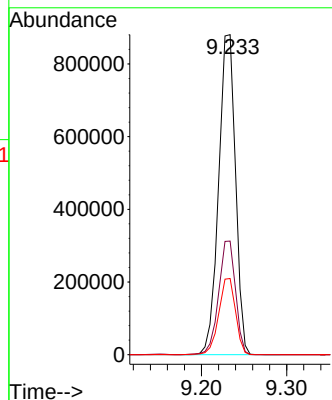
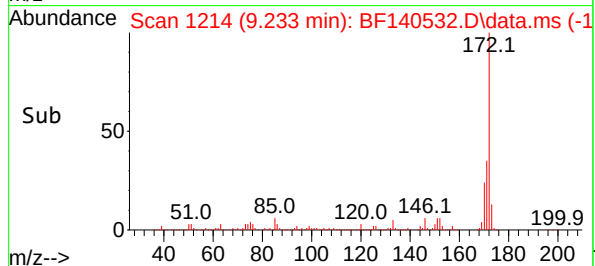
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



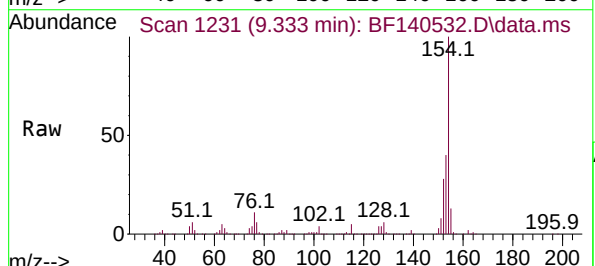
Tgt Ion:172 Resp: 1210929
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.8 19.0 28.6

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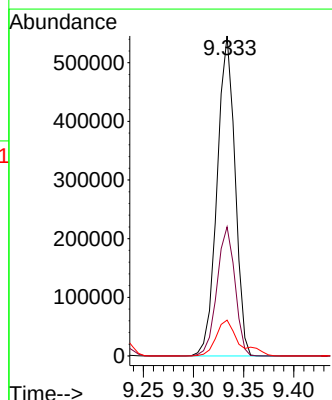
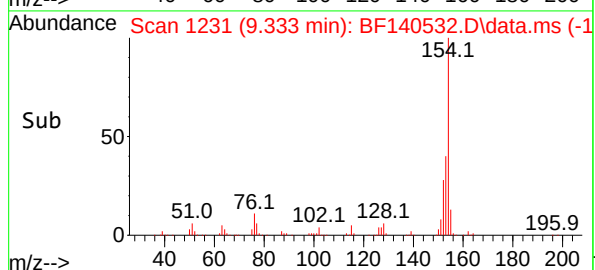
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

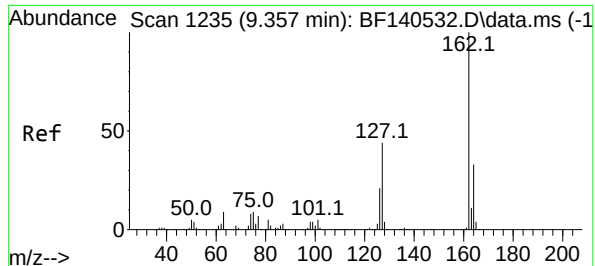


#46
1,1'-Biphenyl
Concen: 38.750 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



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

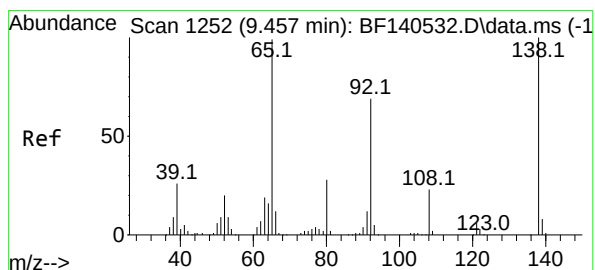
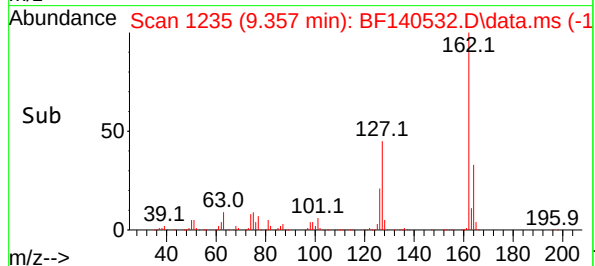
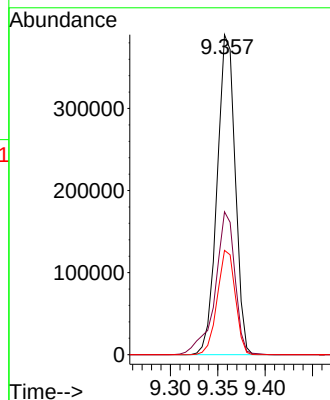
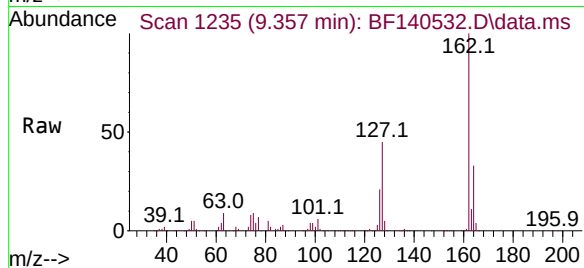
164 32.6 26.1 39.1

Manual Integrations

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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

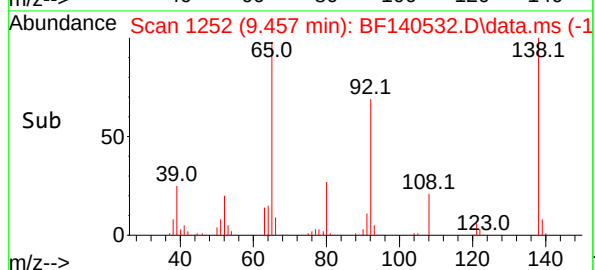
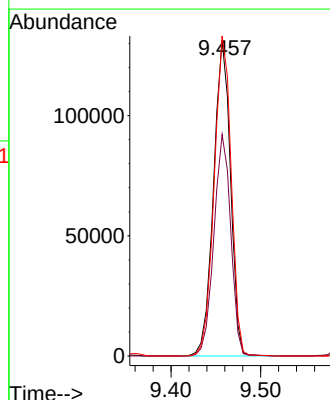
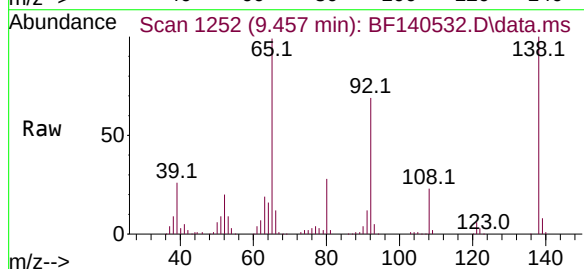
Tgt Ion: 65 Resp: 172005

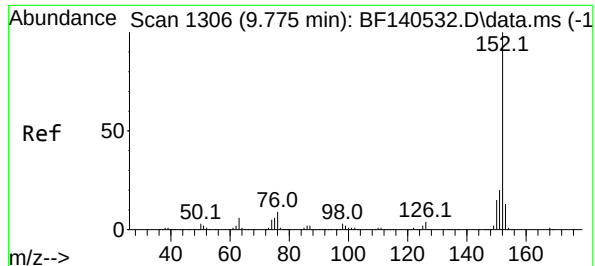
Ion Ratio Lower Upper

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 :

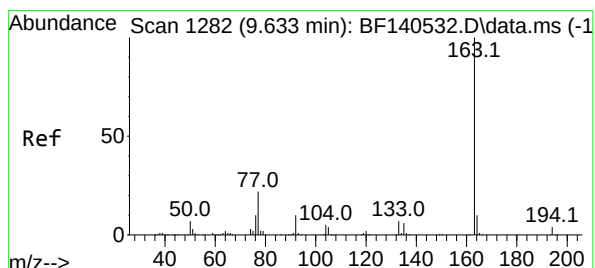
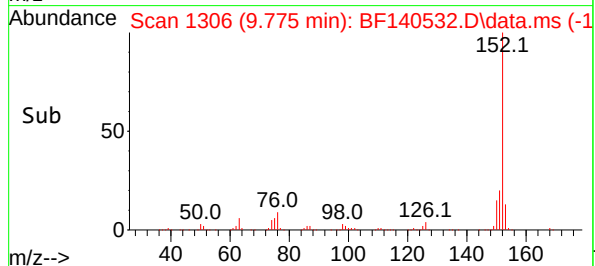
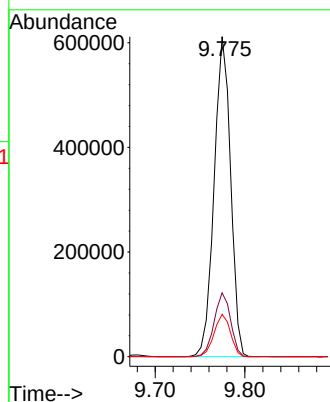
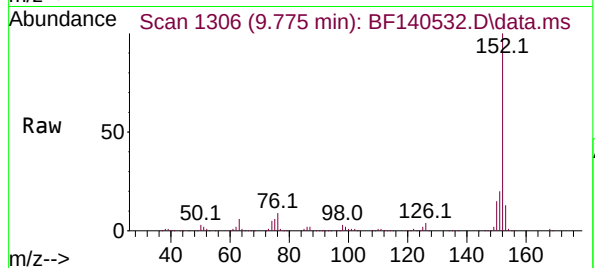
SSTDICCC040

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

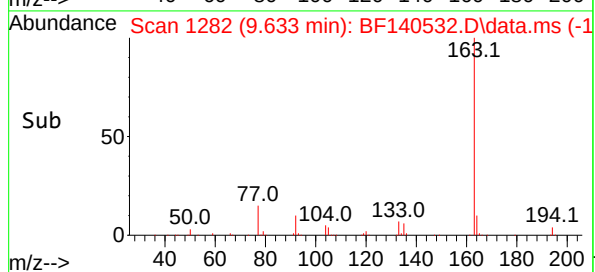
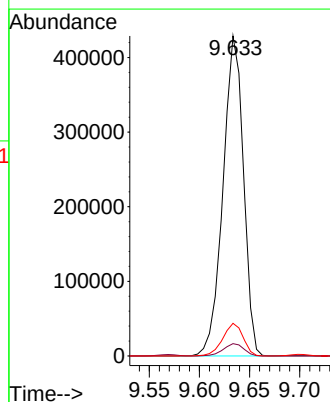
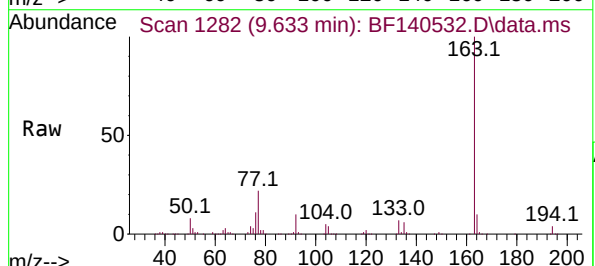
RT: 9.633 min Scan# 1282

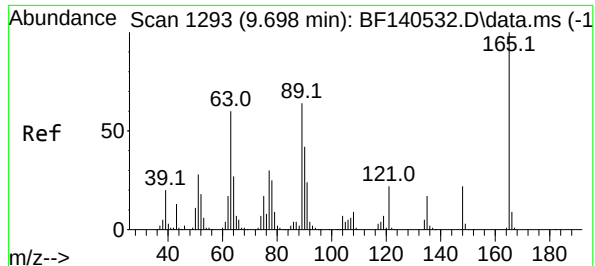
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

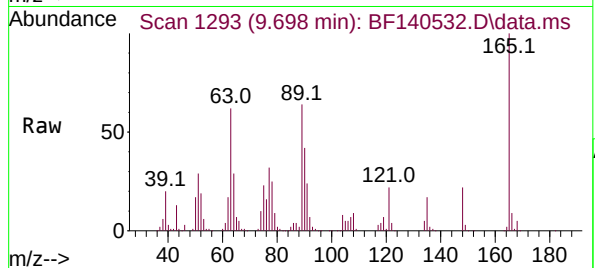
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.2	8.2	12.2





#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

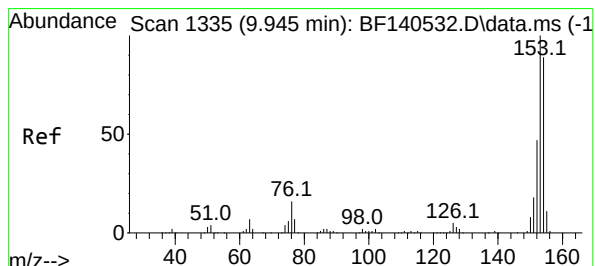
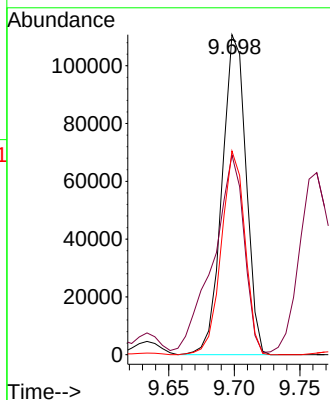
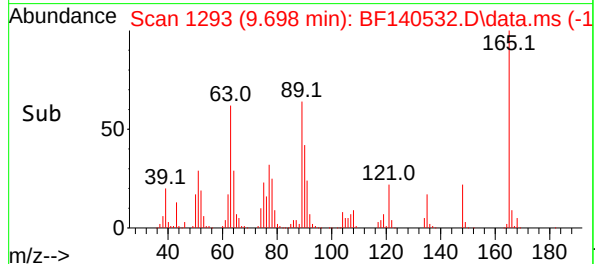
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 14092
Ion Ratio Lower Upper
165 100
63 62.4 49.9 74.9
89 63.6 50.9 76.3

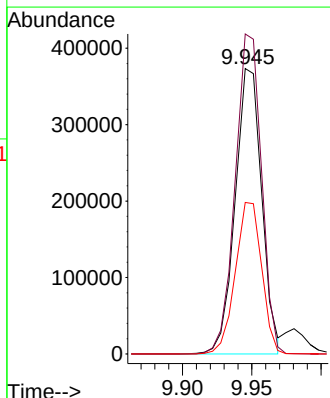
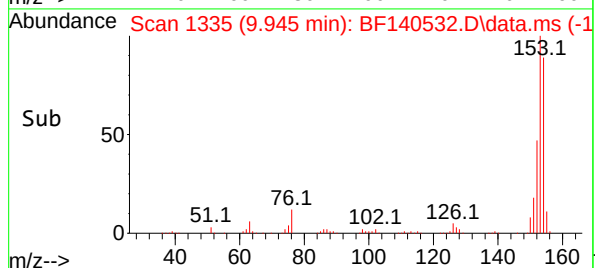
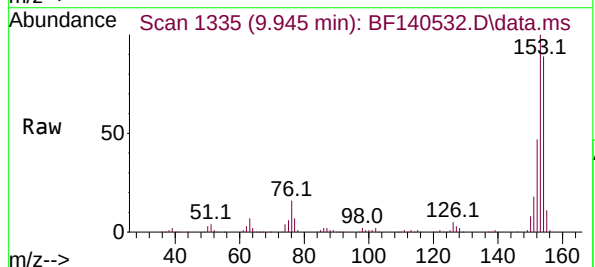
Manual Integrations
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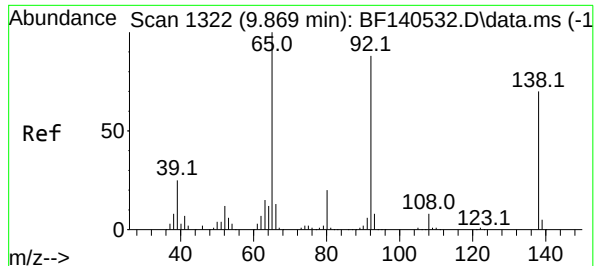
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



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

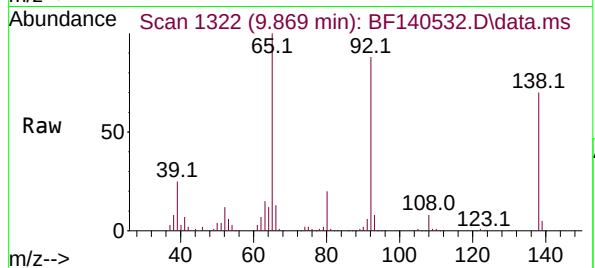
Tgt Ion:154 Resp: 498119
Ion Ratio Lower Upper
154 100
153 112.1 89.7 134.5
152 53.1 42.5 63.7





#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

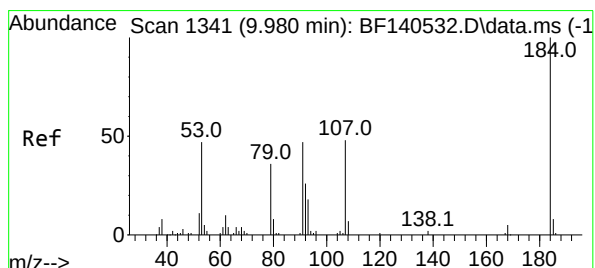
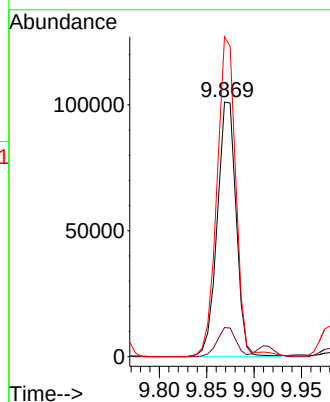
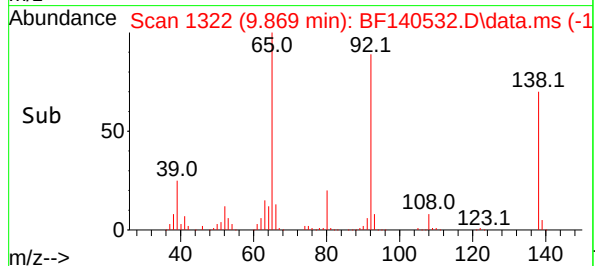
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

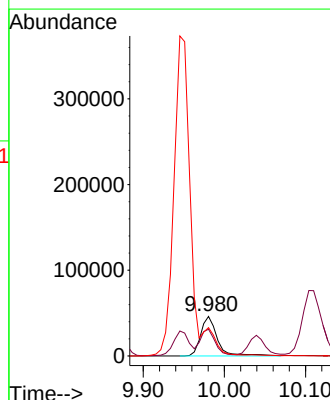
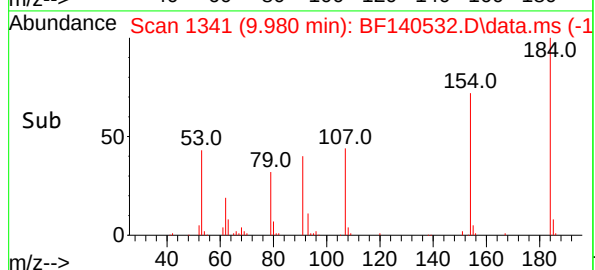
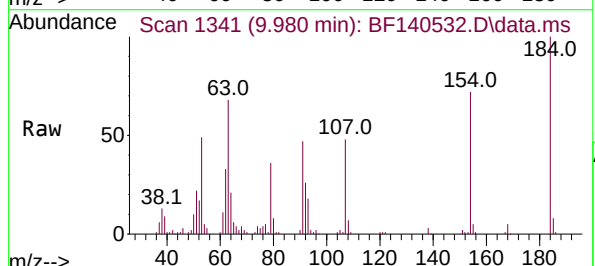
Manual Integrations
APPROVED

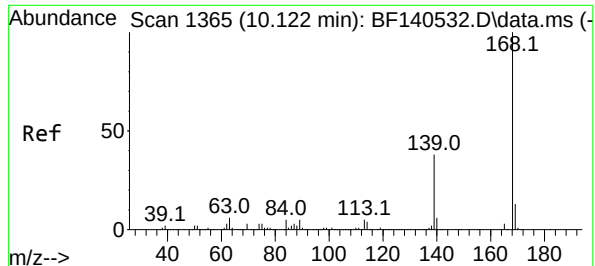
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

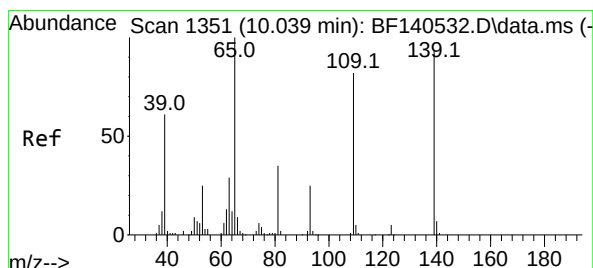
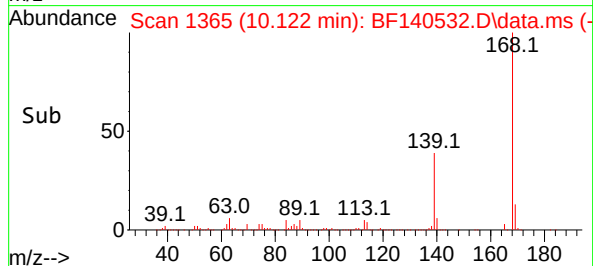
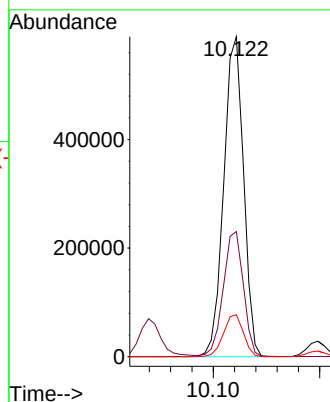
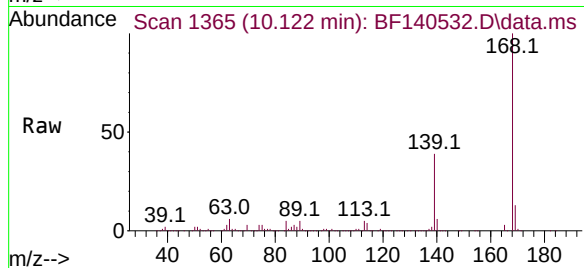
169 13.1 10.5 15.7

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

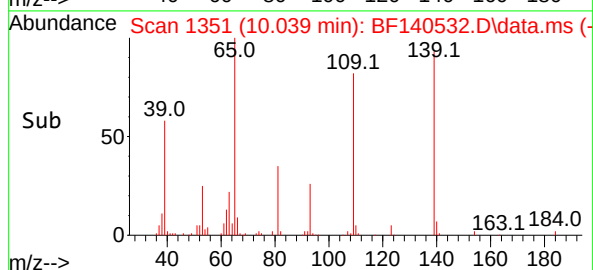
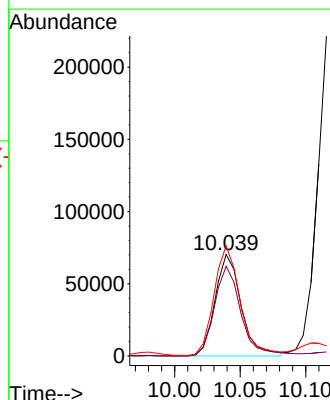
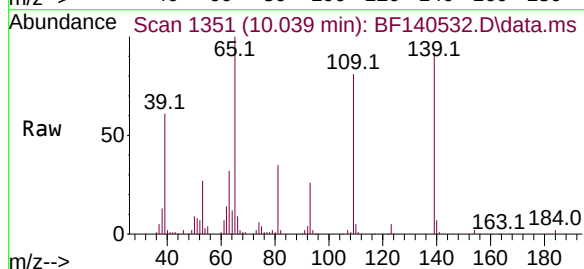
Tgt Ion:139 Resp: 97133

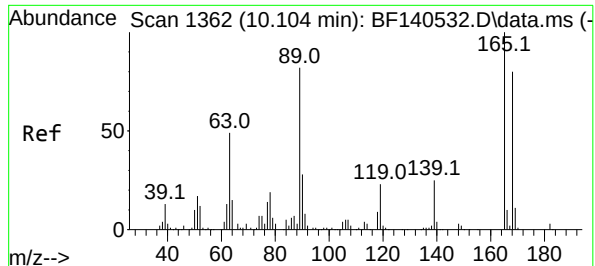
Ion Ratio Lower Upper

139 100

109 88.4 68.4 108.4

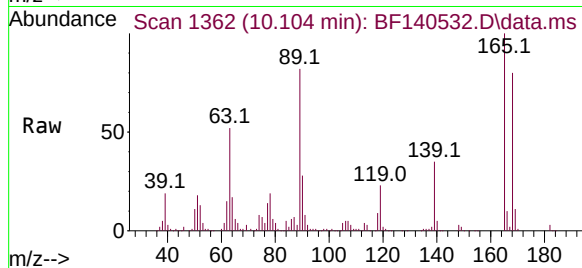
65 108.6 88.6 128.6





#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

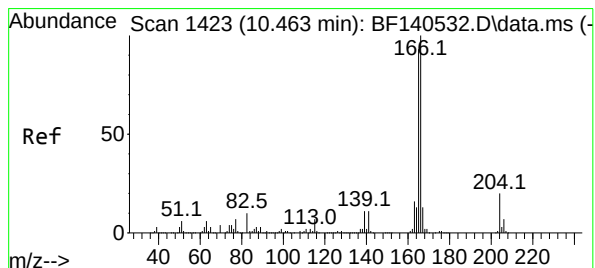
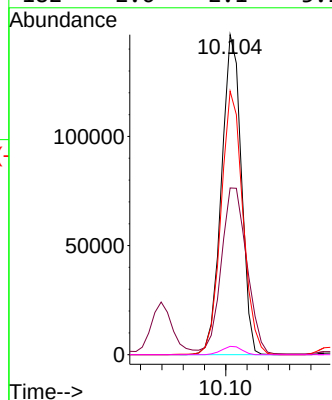
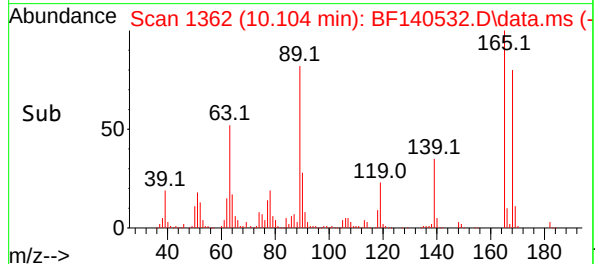
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

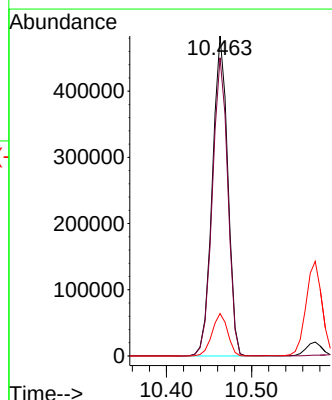
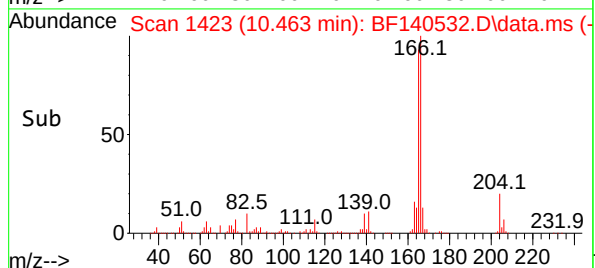
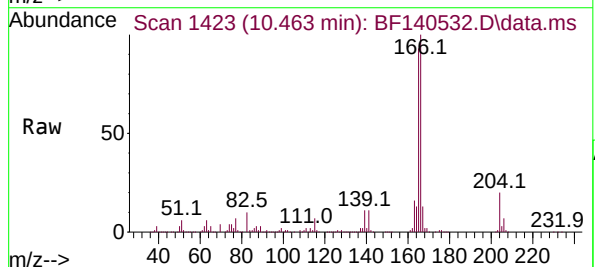
Manual Integrations
APPROVED

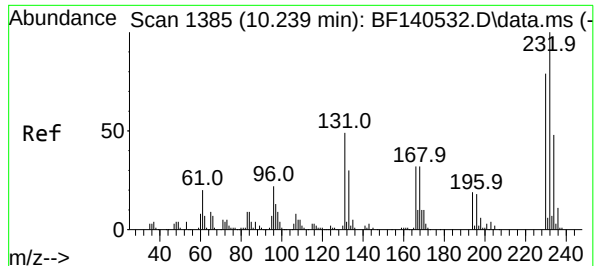
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

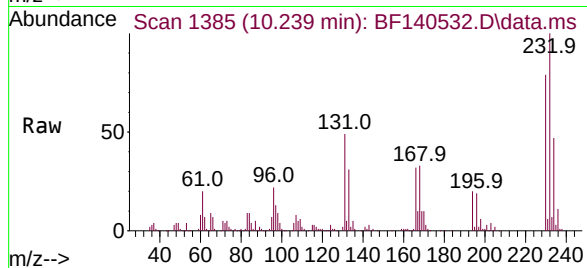
Tgt Ion:166 Resp: 607198
Ion Ratio Lower Upper
166 100
165 93.2 74.6 111.8
167 13.3 10.6 16.0





#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

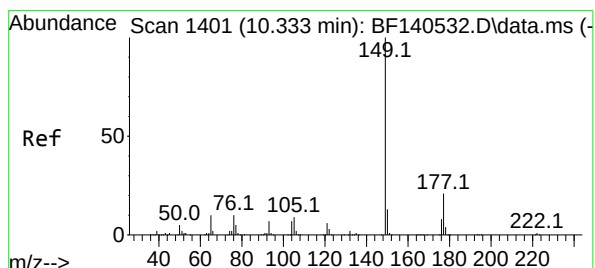
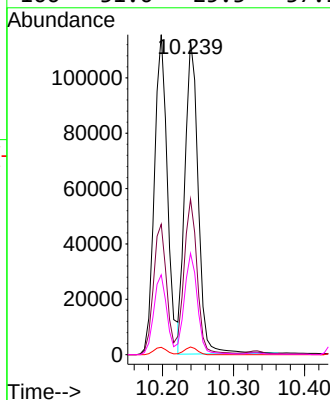
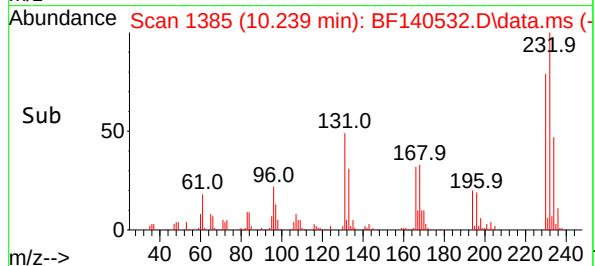
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

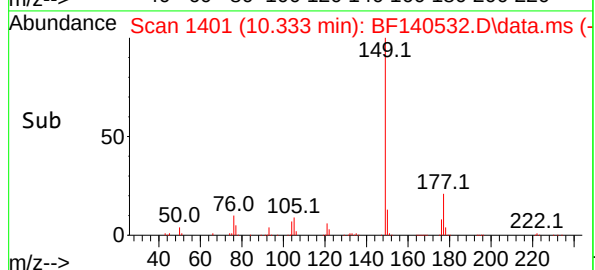
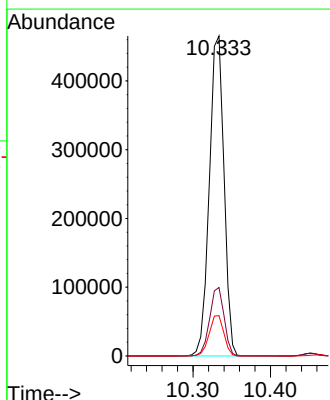
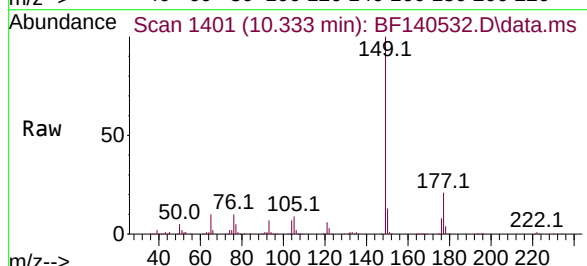
Manual Integrations
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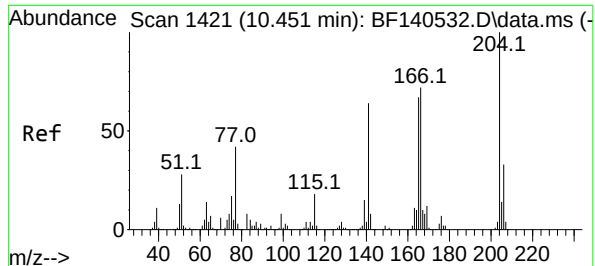
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

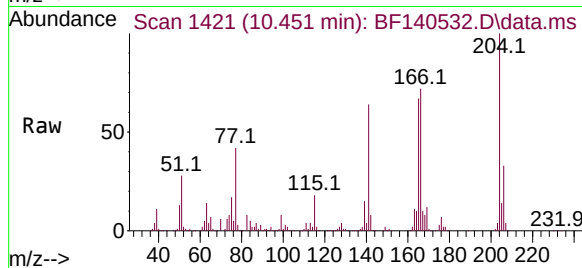
Tgt Ion:149 Resp: 614490
Ion Ratio Lower Upper
149 100
177 21.4 17.1 25.7
150 12.6 10.1 15.1





#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

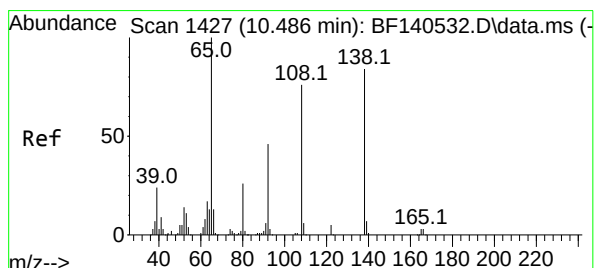
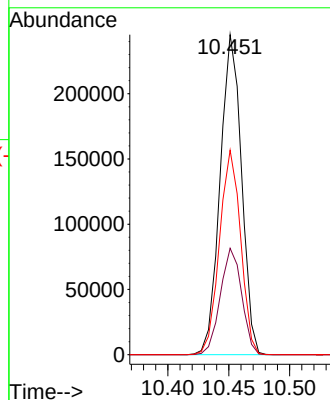
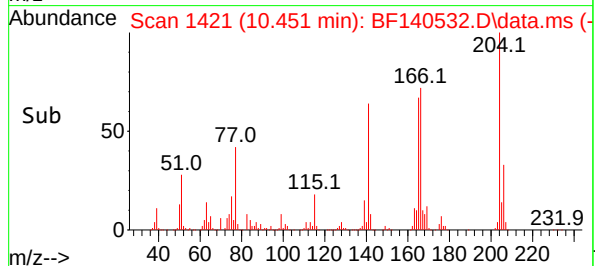
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

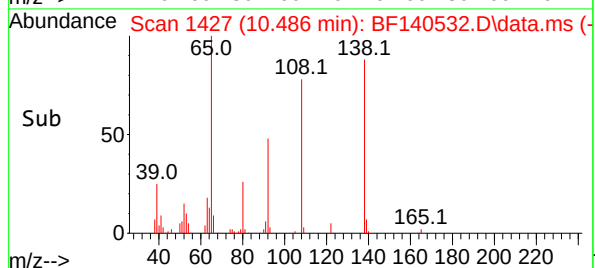
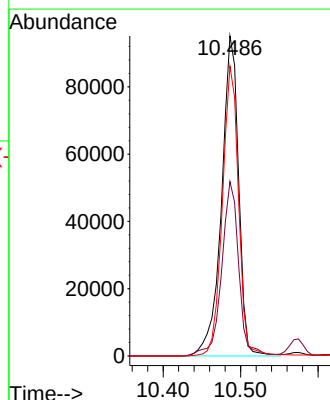
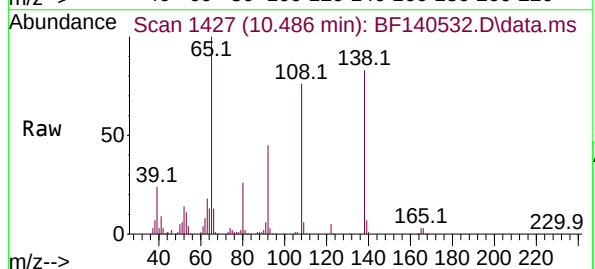
Manual Integrations
APPROVED

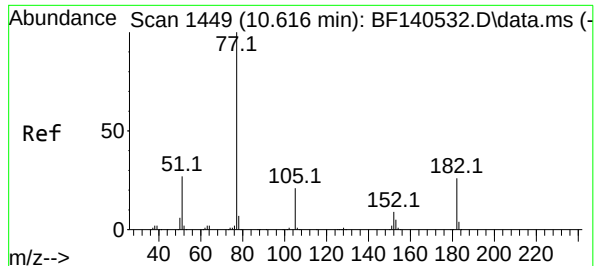
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

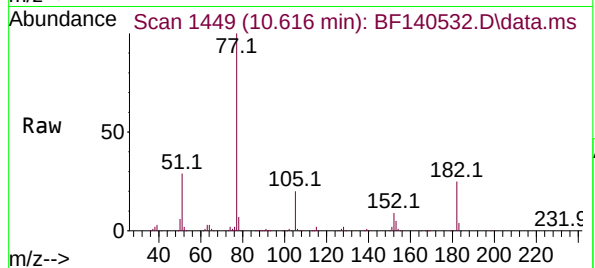
Tgt Ion:138 Resp: 146354
Ion Ratio Lower Upper
138 100
92 54.5 34.5 74.5
108 90.6 70.6 110.6





#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

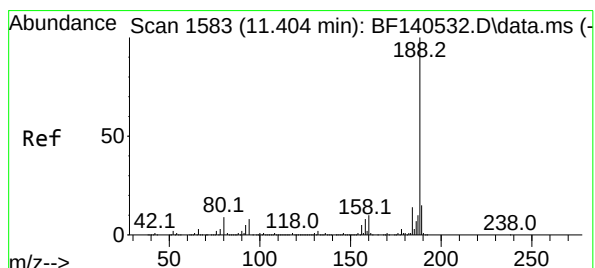
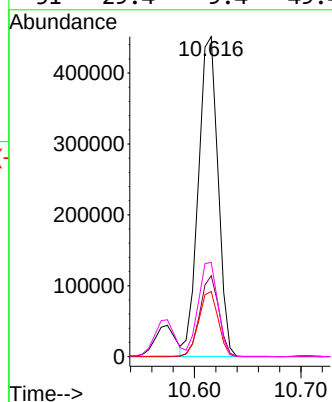
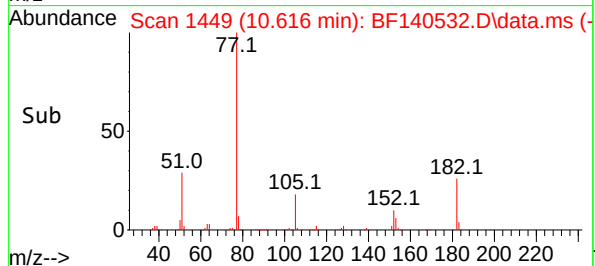
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



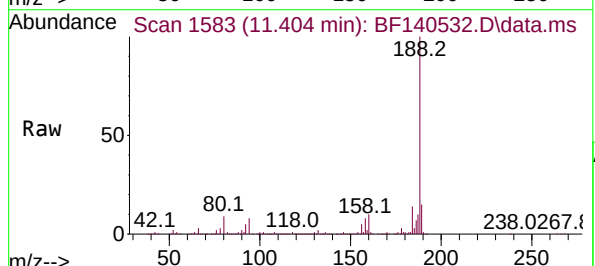
Tgt Ion: 77 Resp: 57904
Ion Ratio Lower Upper
77 100
182 25.3 5.3 45.3
105 20.3 0.3 40.3
51 29.4 9.4 49.4

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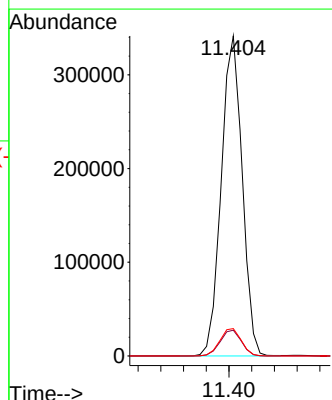
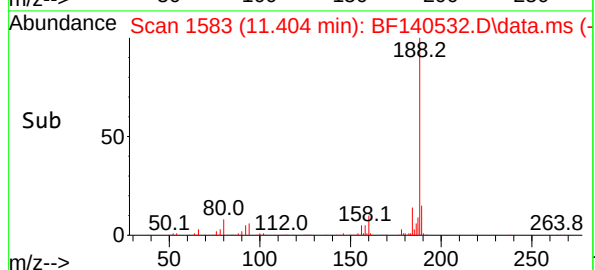
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

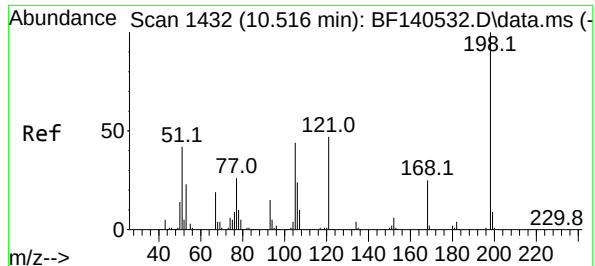


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



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





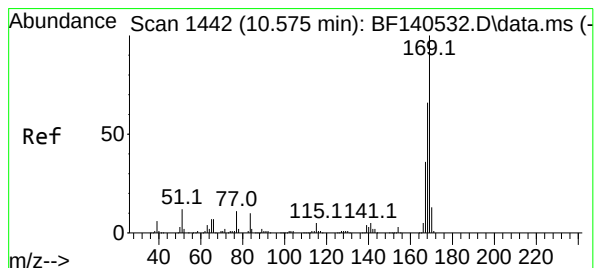
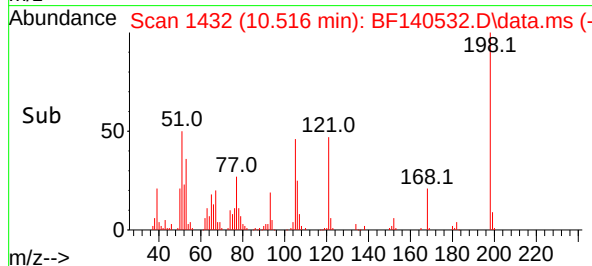
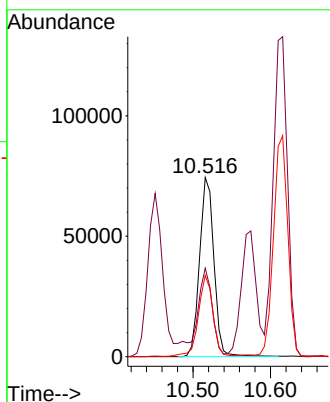
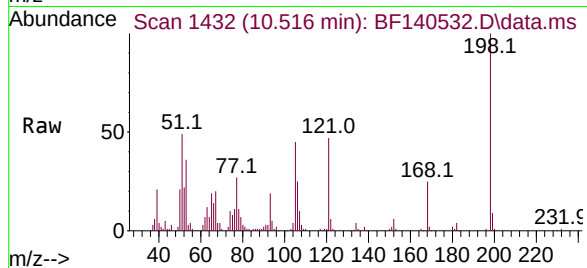
#65
4,6-Dinitro-2-methylphenol
Concen: 42.998 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

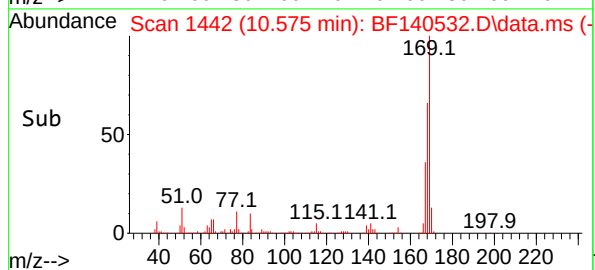
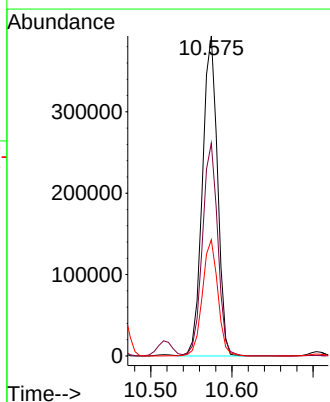
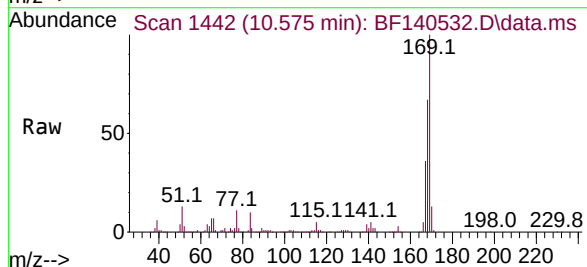
Manual Integrations
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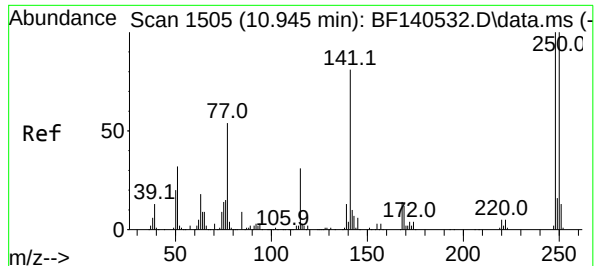
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

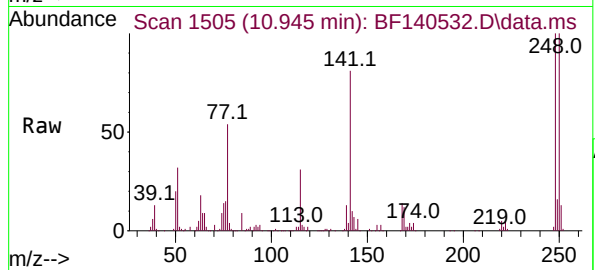
Tgt Ion:169 Resp: 505450
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 36.3 29.0 43.6





#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

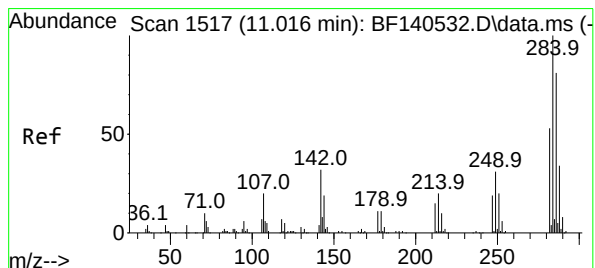
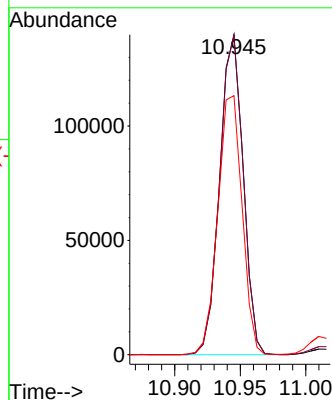
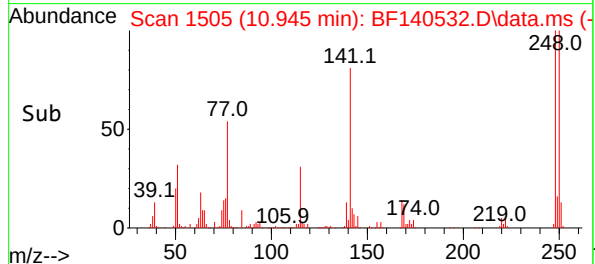
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



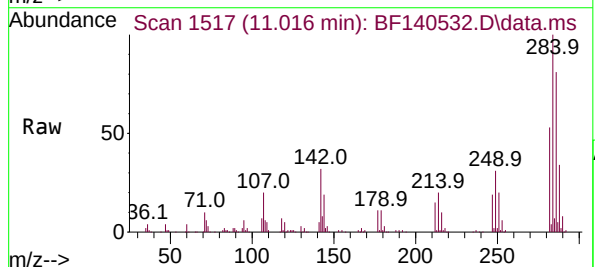
Tgt Ion:248 Resp: 174740
Ion Ratio Lower Upper
248 100
250 99.8 79.8 119.8
141 80.9 64.7 97.1

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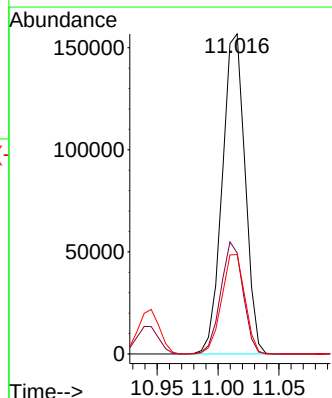
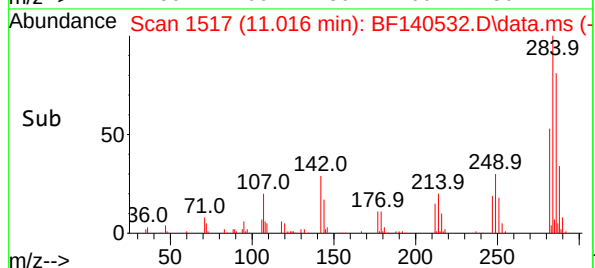
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

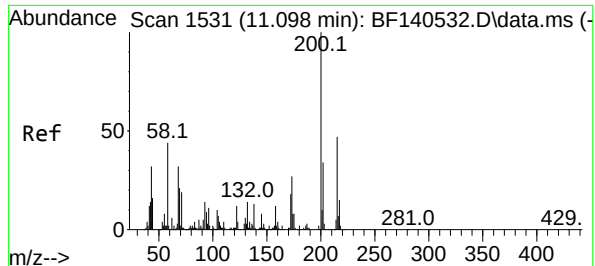


#68
Hexachlorobenzene
Concen: 39.129 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



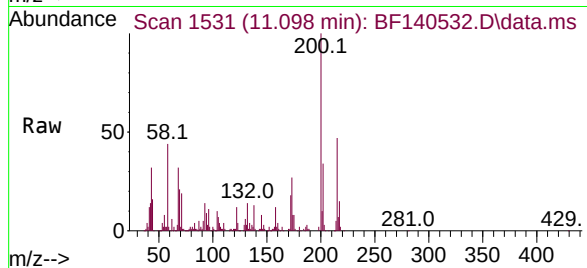
Tgt Ion:284 Resp: 204123
Ion Ratio Lower Upper
284 100
142 31.6 25.3 37.9
249 31.0 24.8 37.2





#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

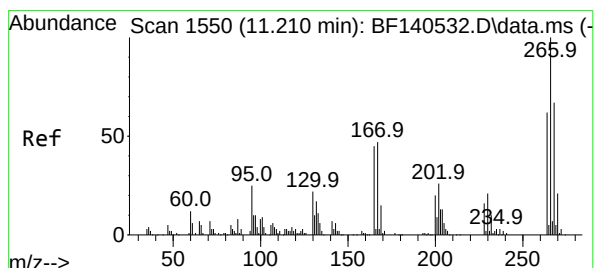
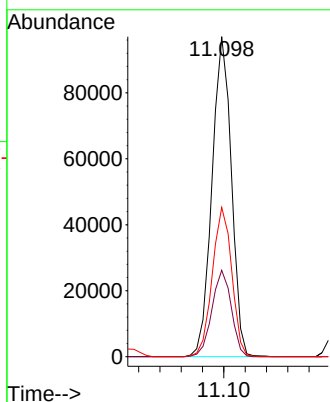
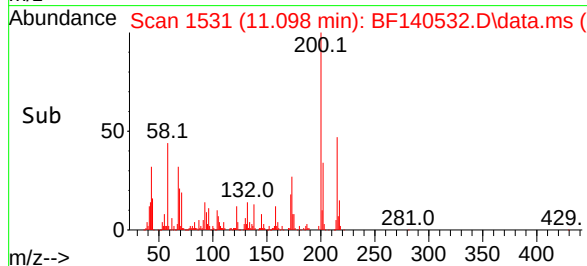
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

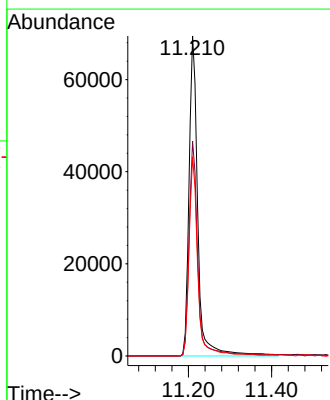
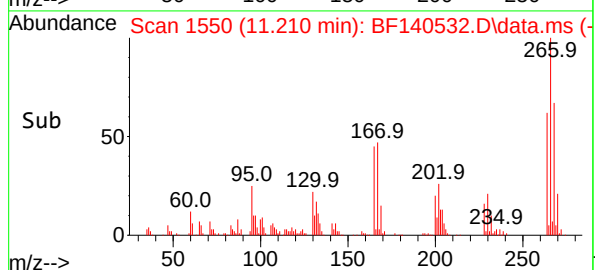
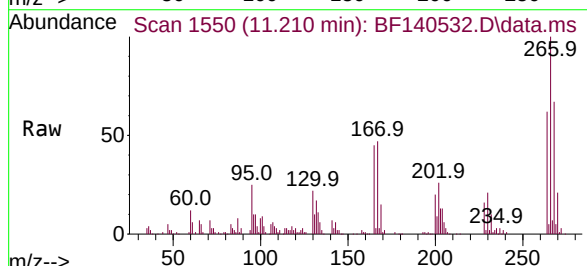
Manual Integrations
APPROVED

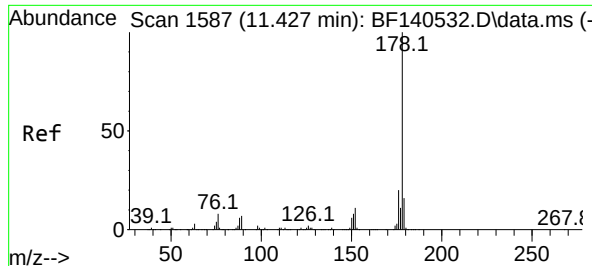
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





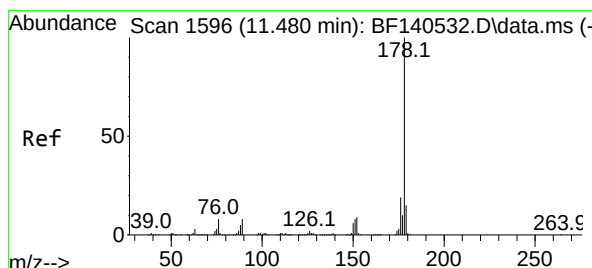
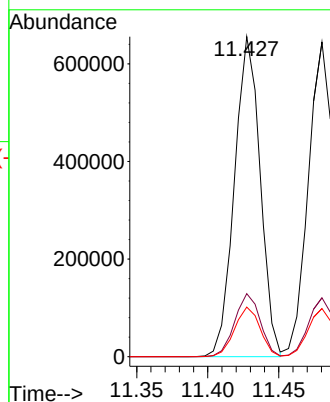
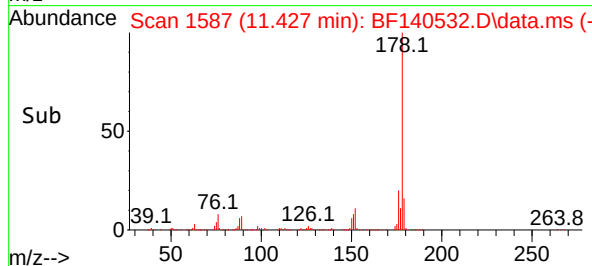
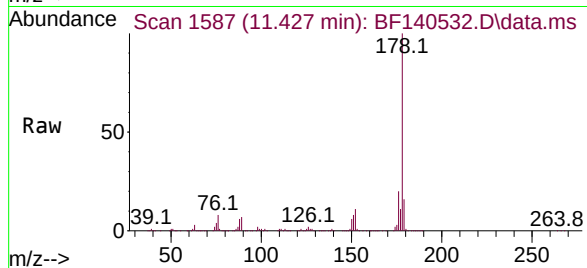
#71
Phenanthrene
Concen: 39.293 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58

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

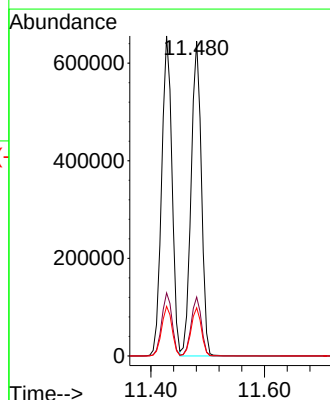
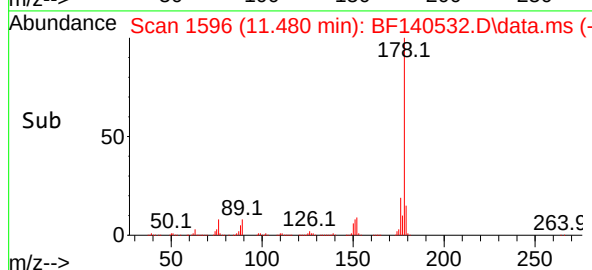
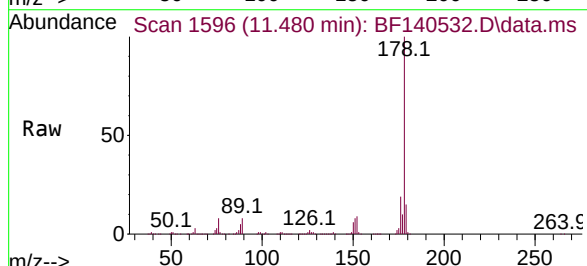
Manual Integrations
APPROVED

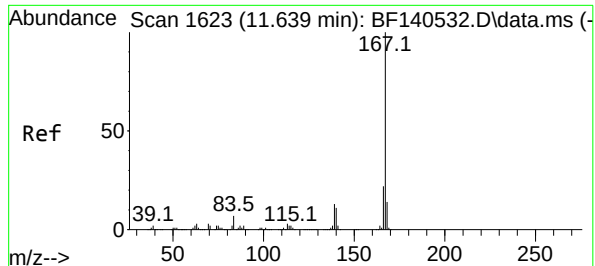
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

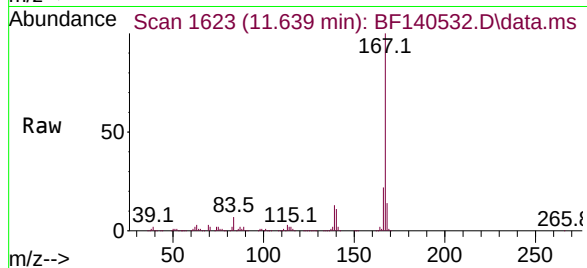
Tgt Ion:178 Resp: 808988
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.3 12.2 18.4





#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

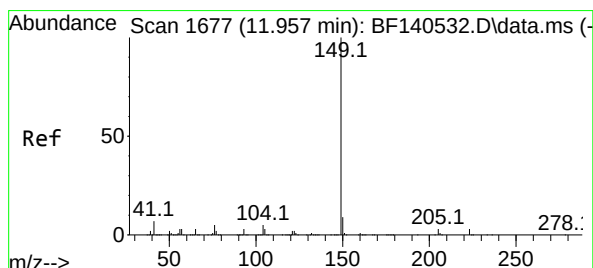
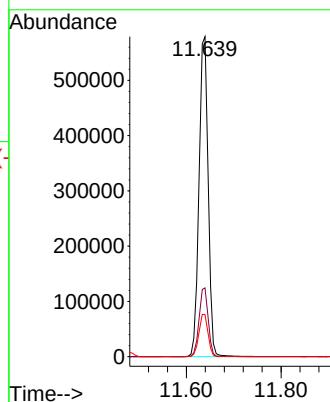
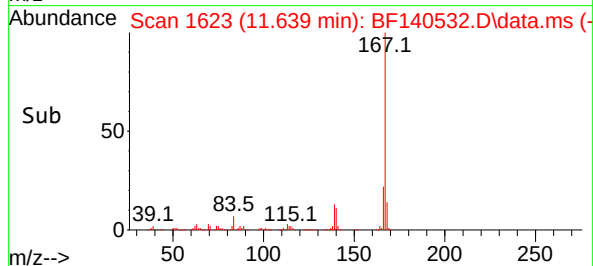
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 778112
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 13.2 10.6 15.8

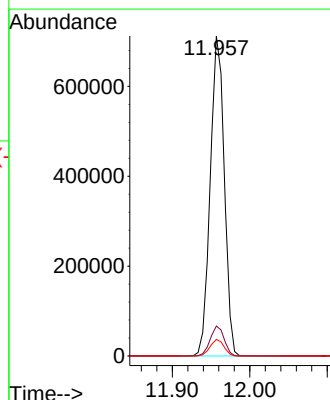
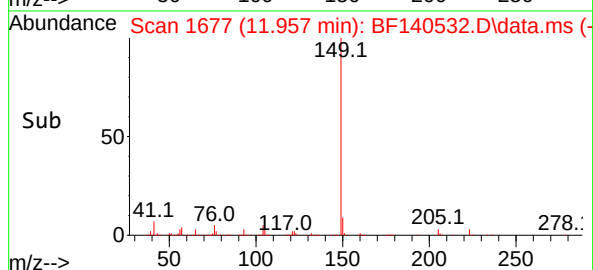
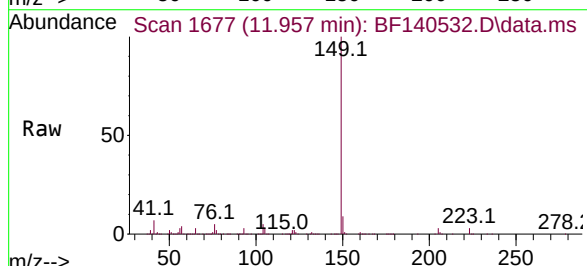
Manual Integrations
APPROVED

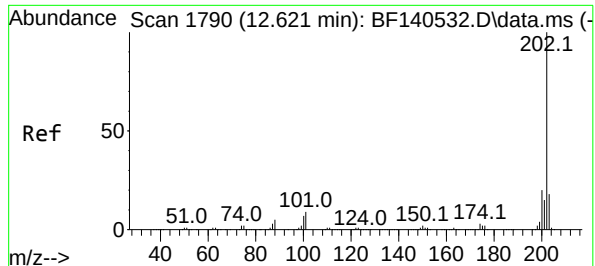
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

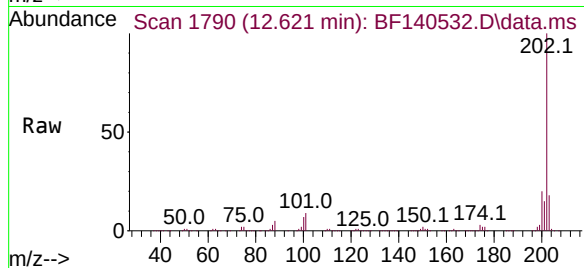
Tgt Ion:149 Resp: 895236
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 5.1 4.1 6.1





#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

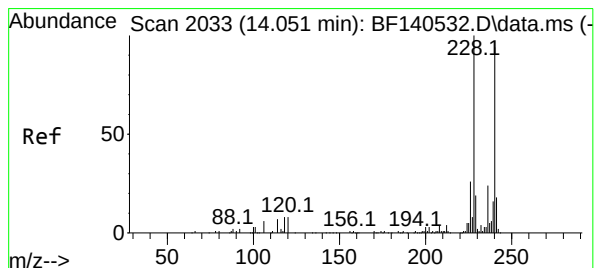
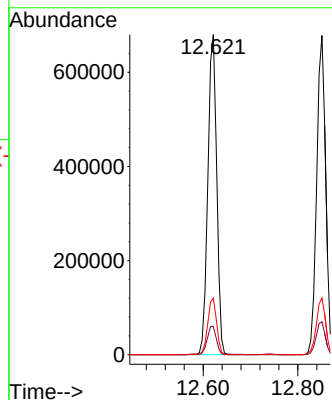
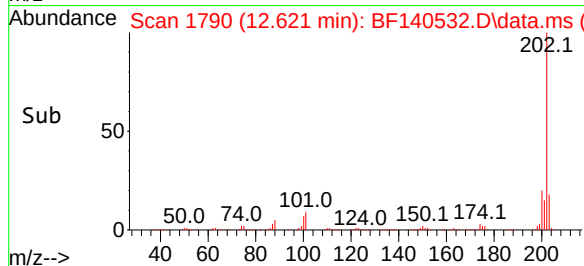
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

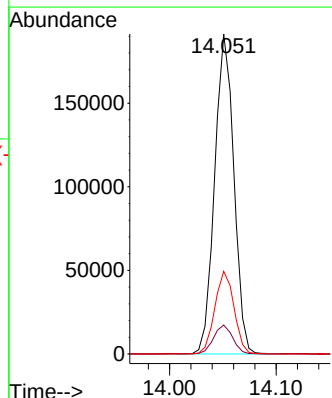
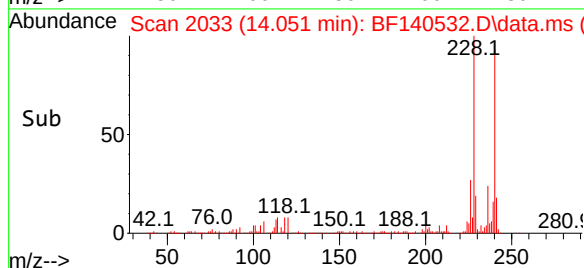
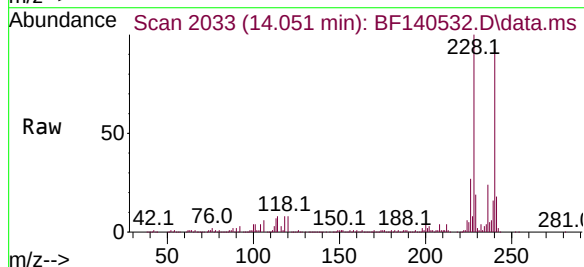
Manual Integrations
APPROVED

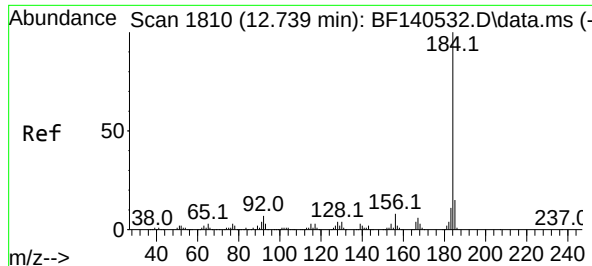
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



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

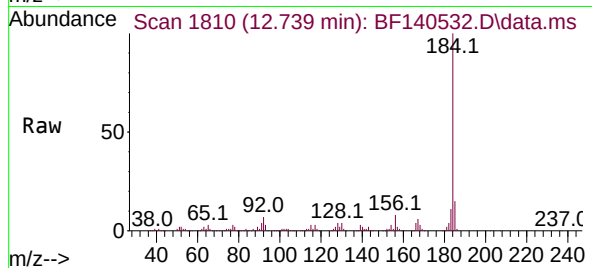
Tgt Ion:240 Resp: 239343
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 25.8 20.6 31.0





#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

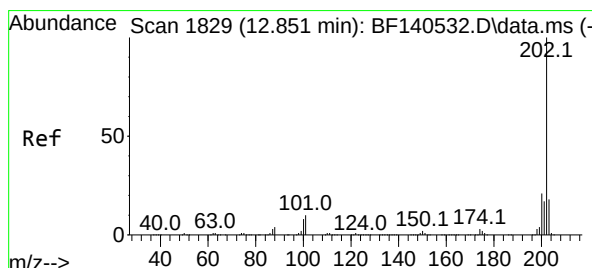
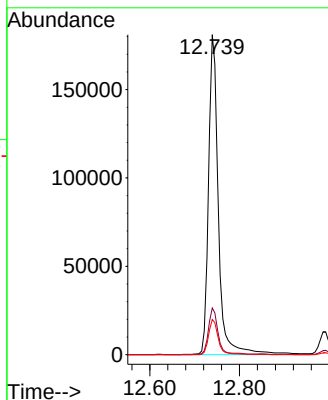
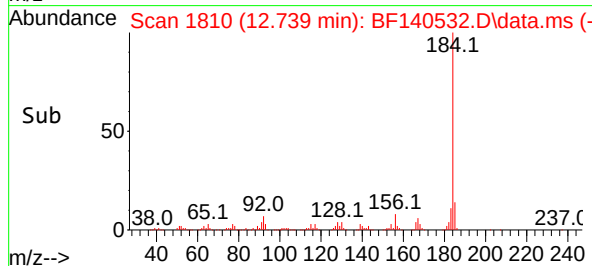
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

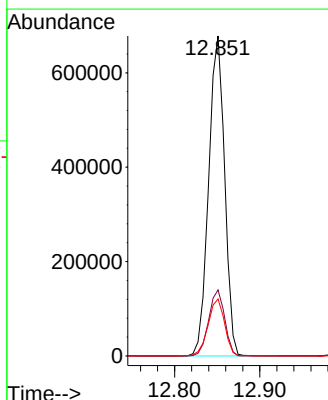
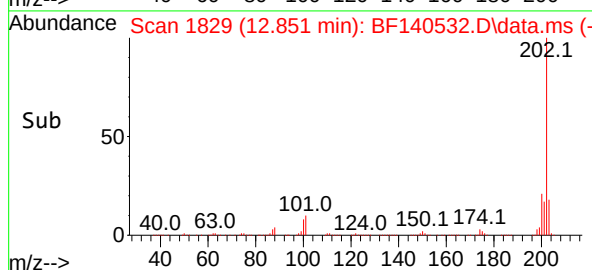
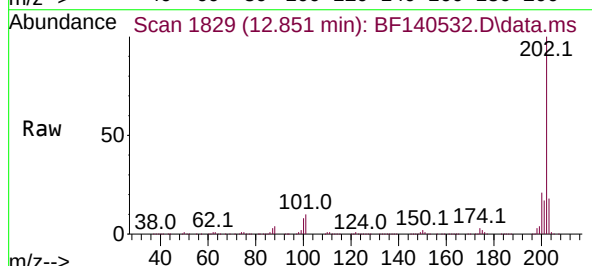
Manual Integrations
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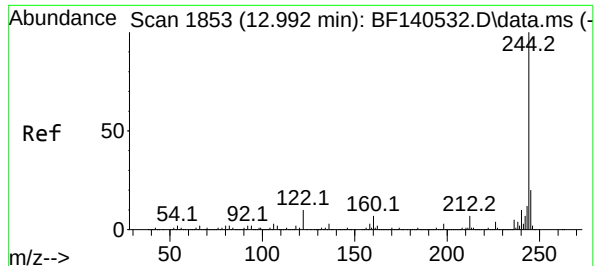
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

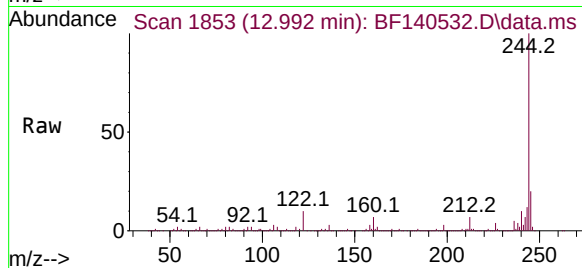
Tgt Ion:202 Resp: 887193
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.8 14.2 21.4





#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

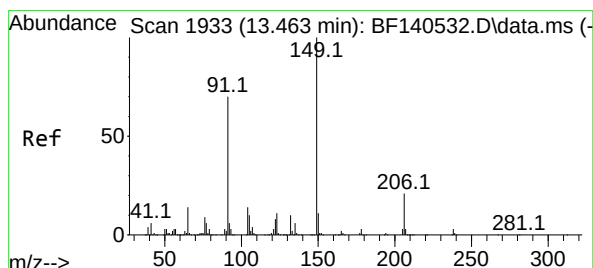
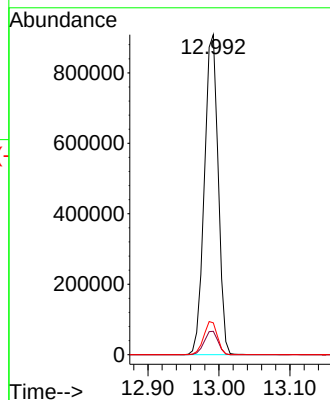
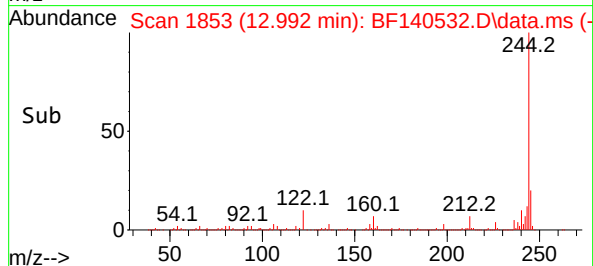
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

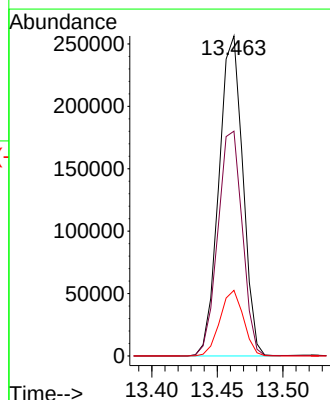
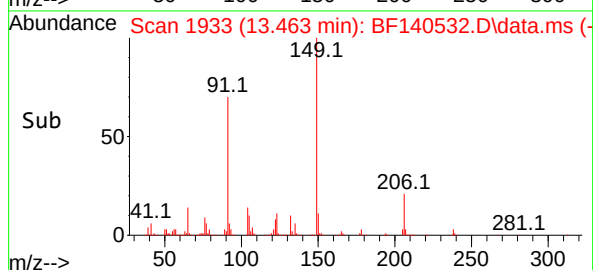
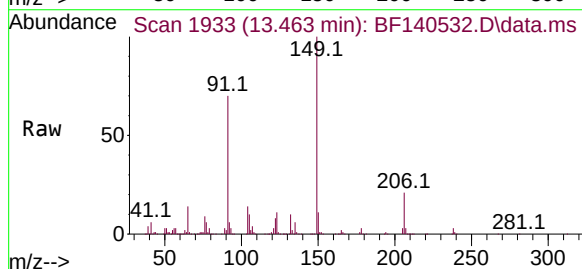
Manual Integrations
APPROVED

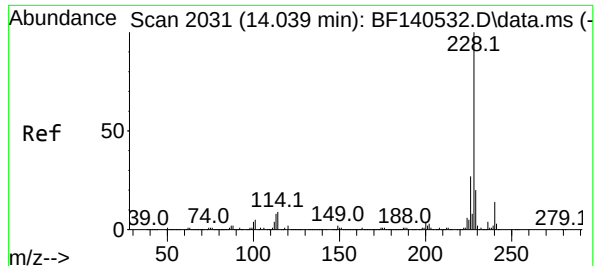
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

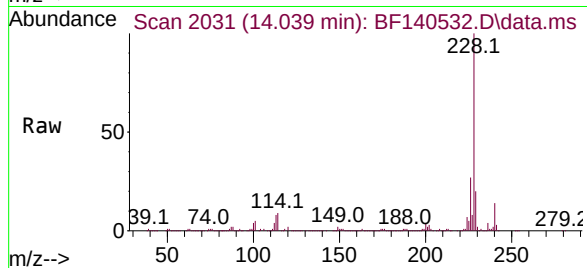
Tgt Ion:149 Resp: 324879
Ion Ratio Lower Upper
149 100
91 70.2 56.2 84.2
206 20.5 16.4 24.6





#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

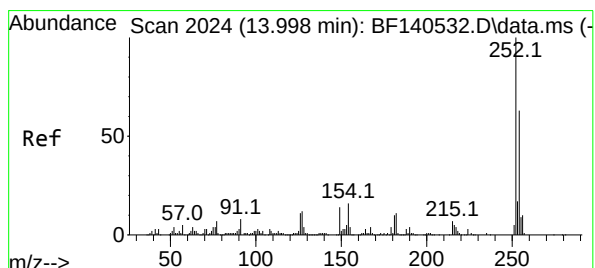
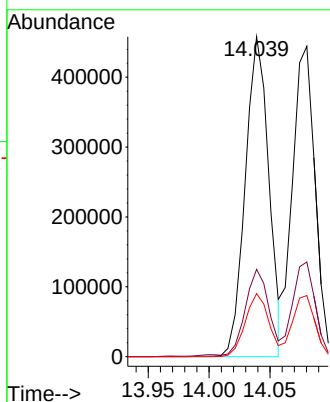
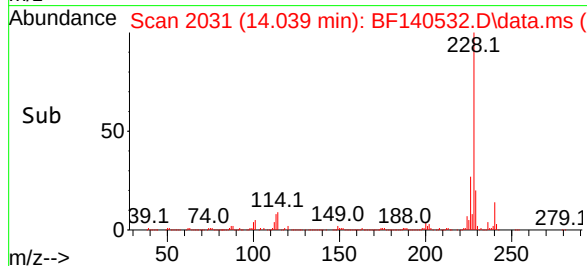
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



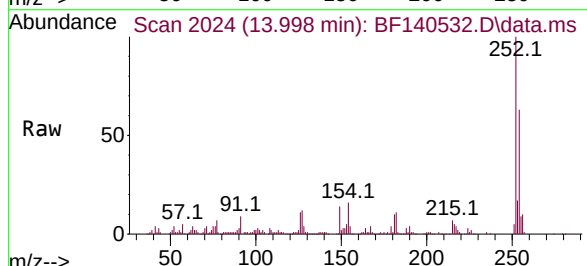
Tgt Ion:228 Resp: 615808
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.7 15.8 23.6

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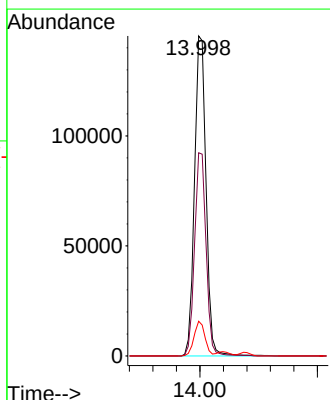
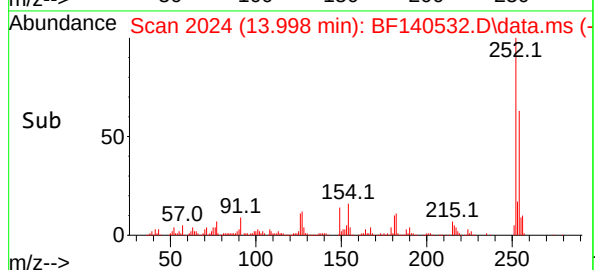
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

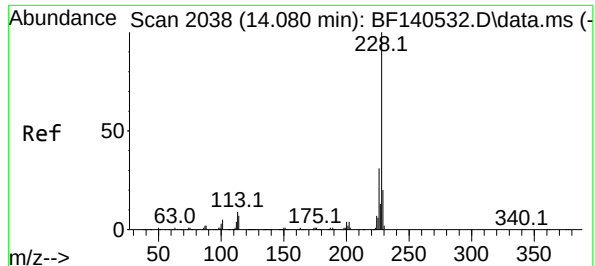


#82
3,3'-Dichlorobenzidine
Concen: 41.554 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF140532.D
Acq: 21 Nov 2024 12:58



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

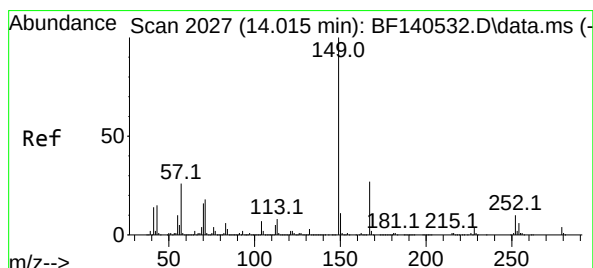
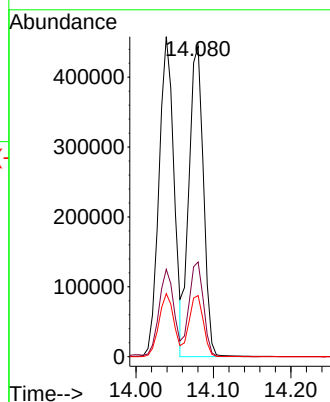
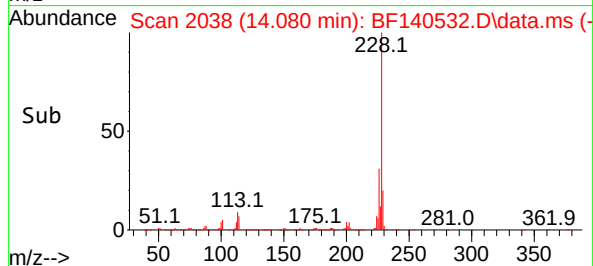
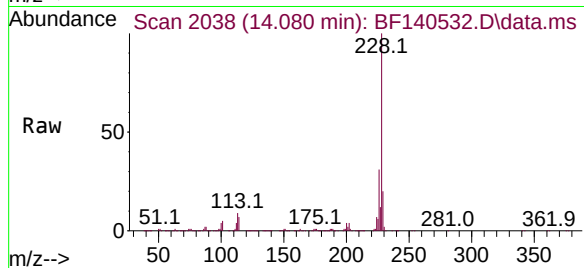
229 19.7 15.8 23.6

Manual Integrations

APPROVED

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

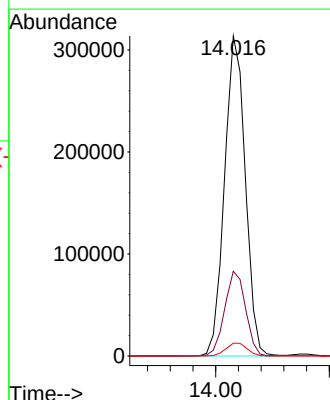
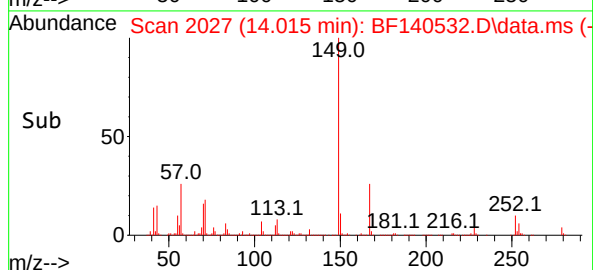
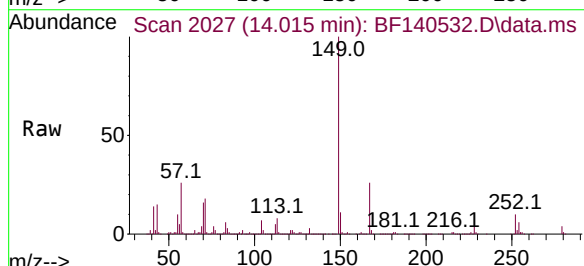
Tgt Ion:149 Resp: 398677

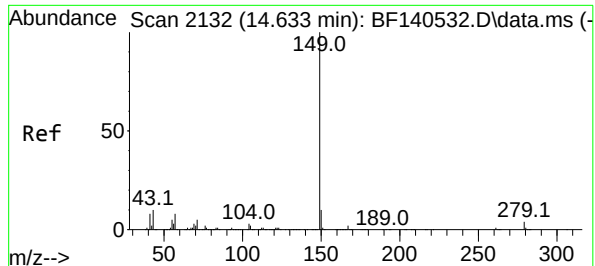
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

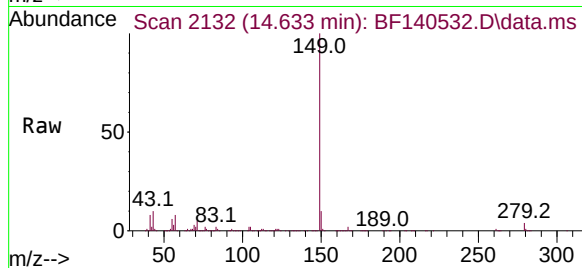
279 4.0 3.2 4.8





#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

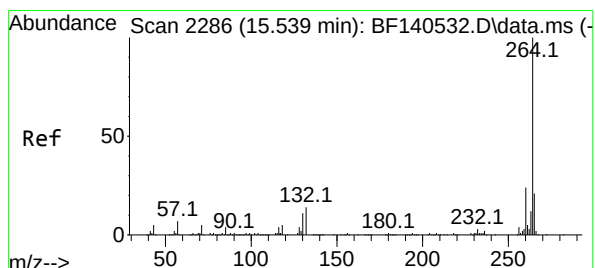
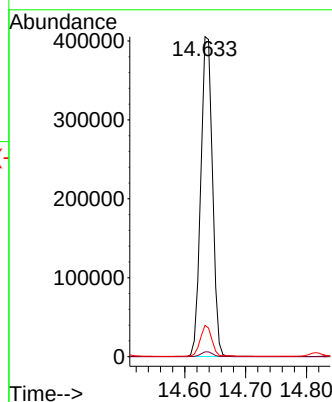
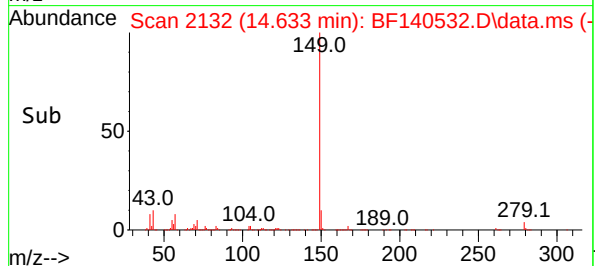
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

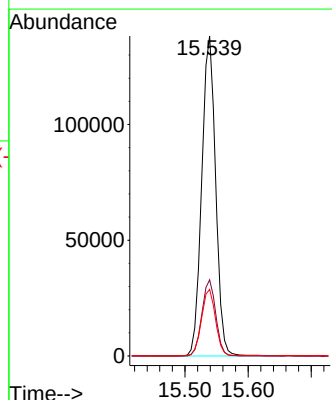
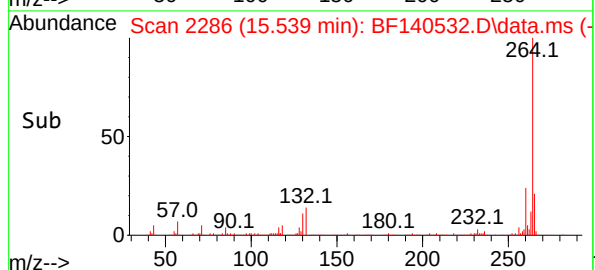
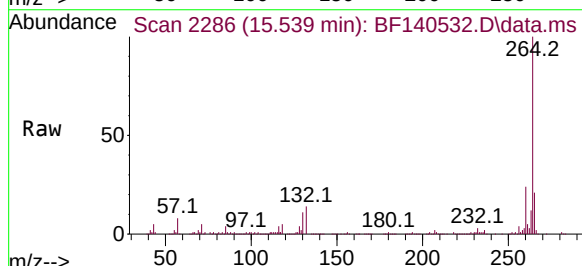
Manual Integrations
APPROVED

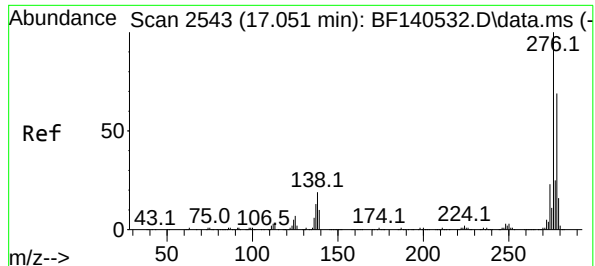
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

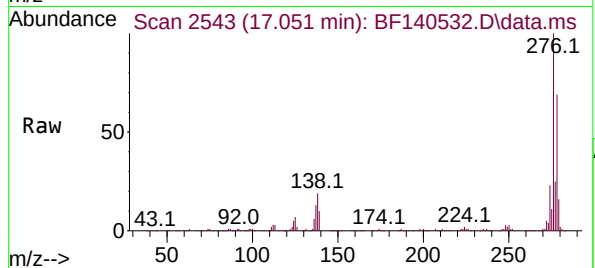
Tgt Ion:264 Resp: 211422
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 20.8 16.6 25.0





#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

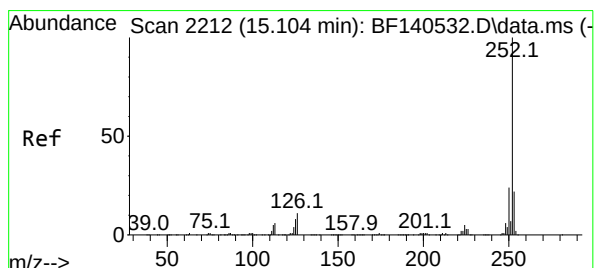
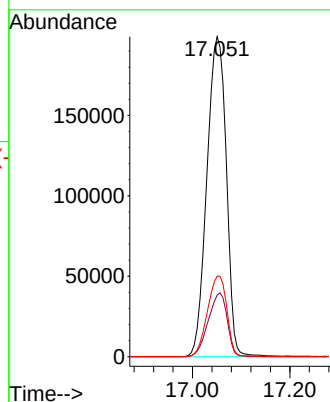
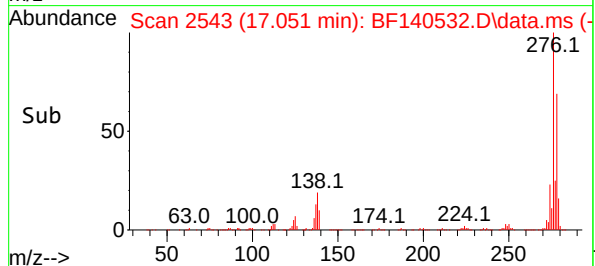
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

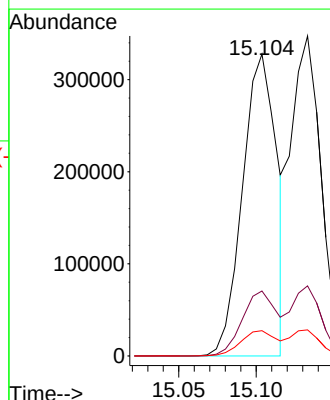
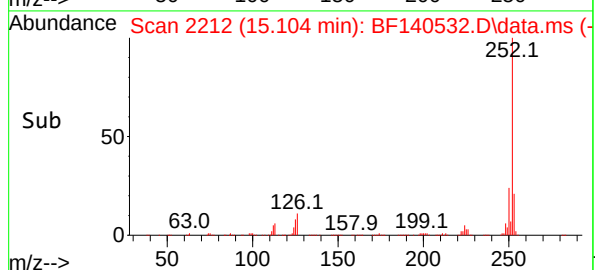
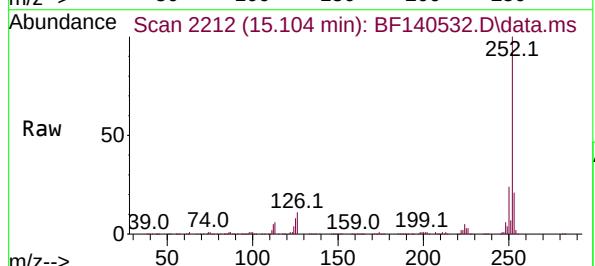
Manual Integrations
APPROVED

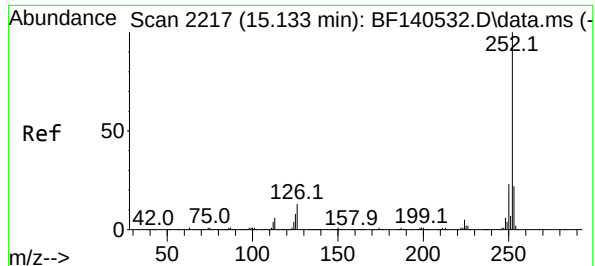
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

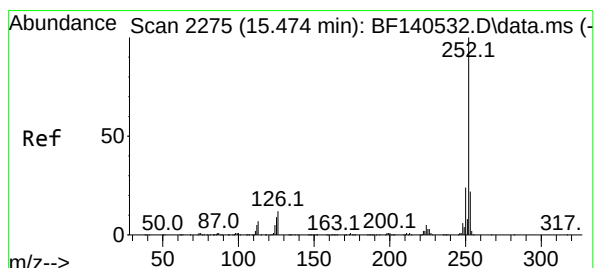
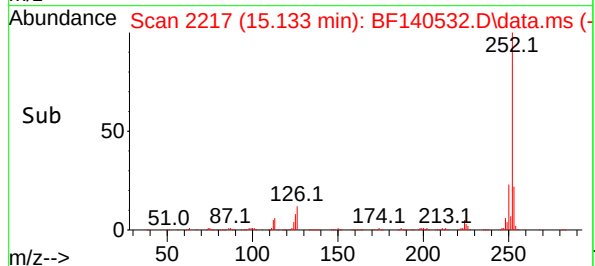
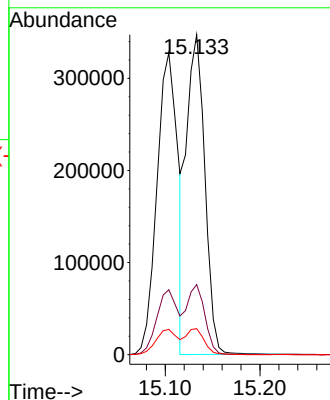
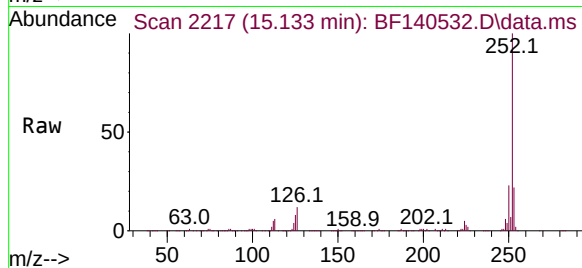
125 8.1 6.5 9.7

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

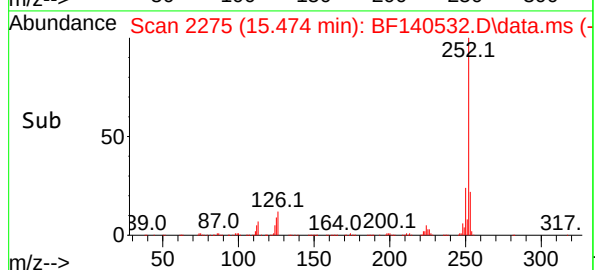
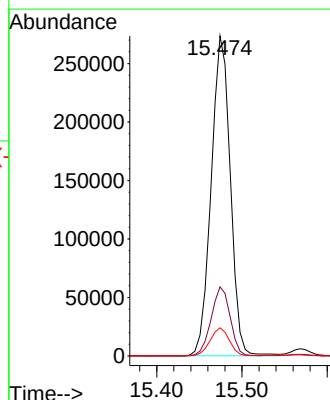
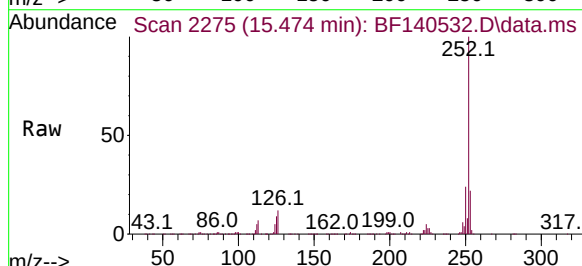
Tgt Ion:252 Resp: 425894

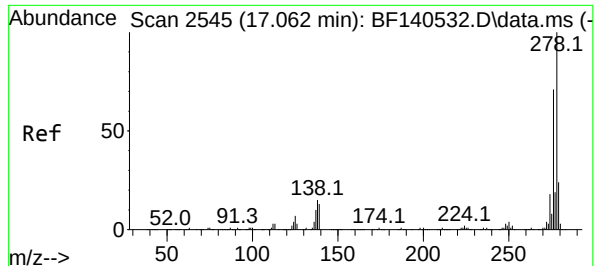
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

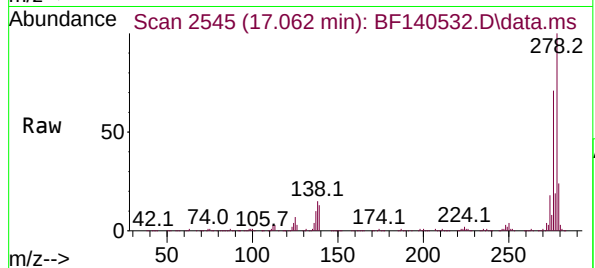
125 8.8 7.0 10.6





#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

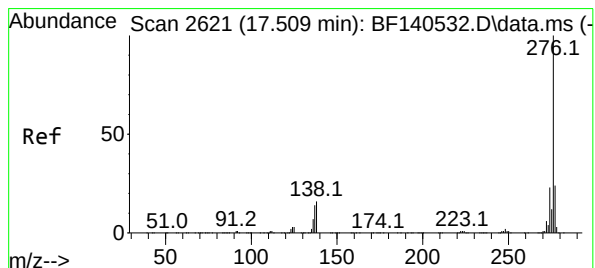
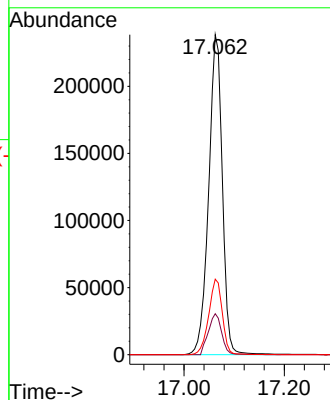
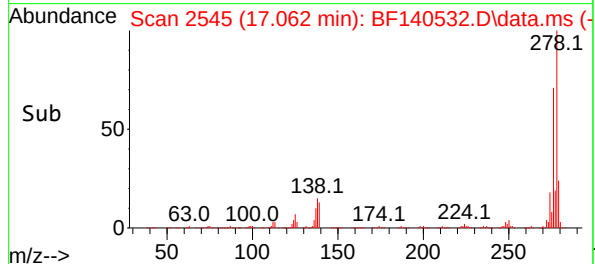
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



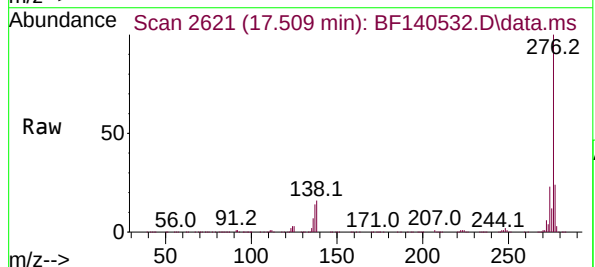
Tgt Ion:278 Resp: 451597
Ion Ratio Lower Upper
278 100
139 12.8 10.2 15.4
279 23.6 18.9 28.3

Manual Integrations
APPROVED

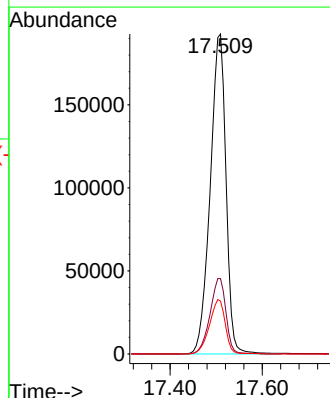
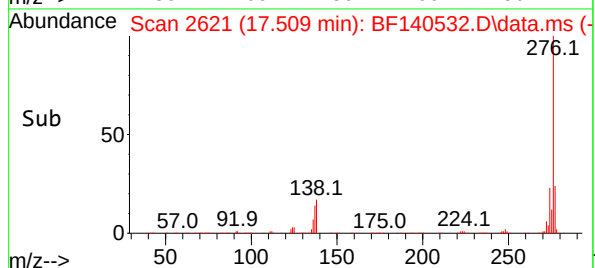
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

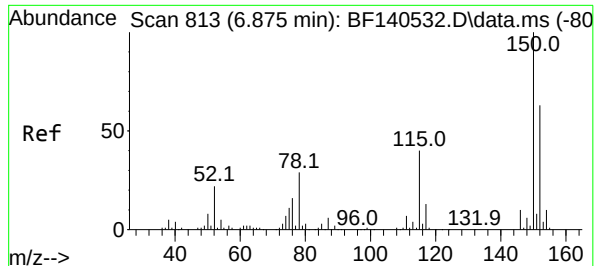
Quant Time: Nov 21 15:13:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

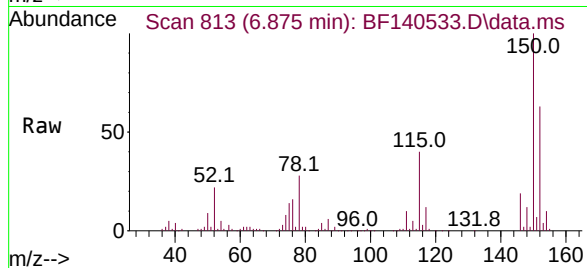
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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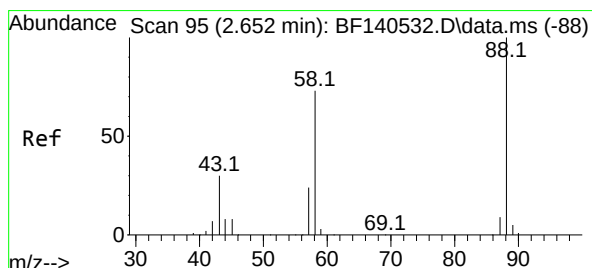
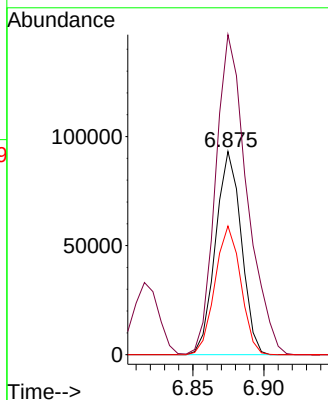
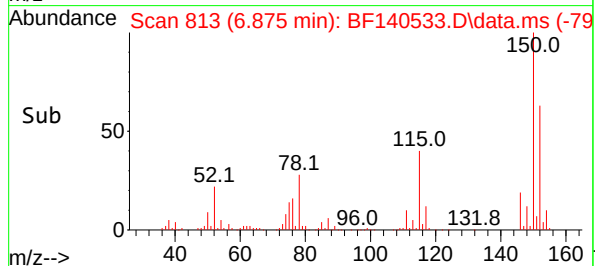


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

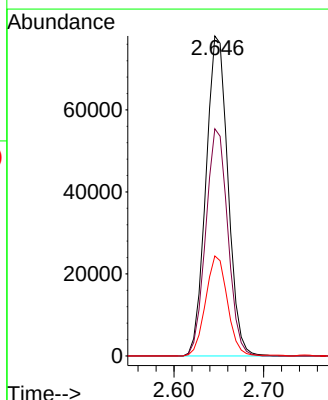
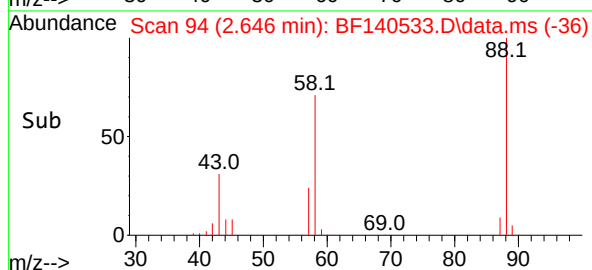
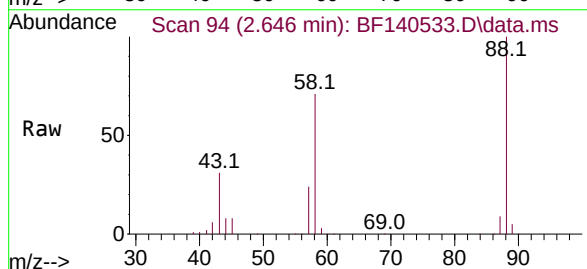


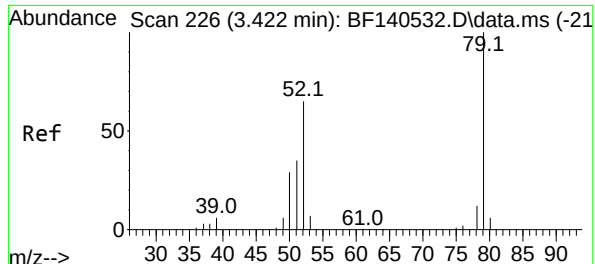
Tgt Ion:152 Resp: 117539
Ion Ratio Lower Upper
152 100
150 157.5 128.5 192.7
115 63.3 50.2 75.4



#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

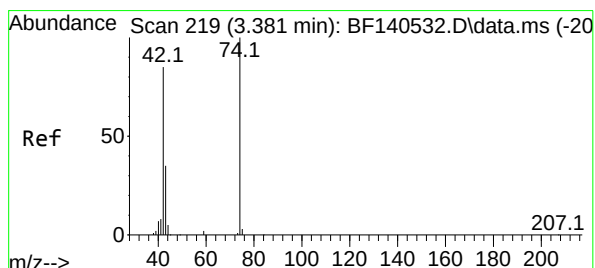
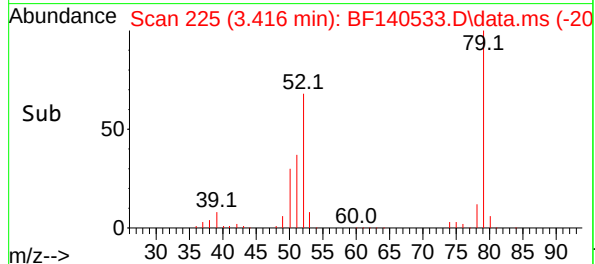
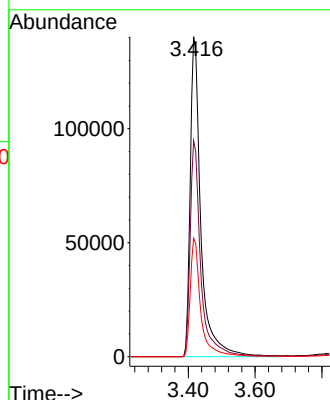
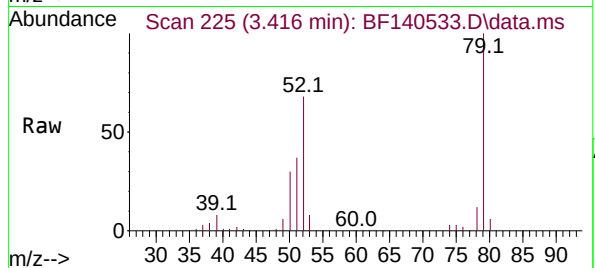




#3
Pyridine
Concen: 48.973 ng
RT: 3.416 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

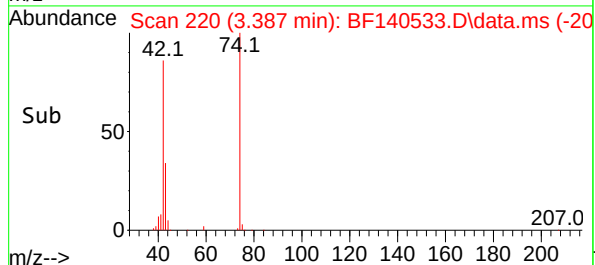
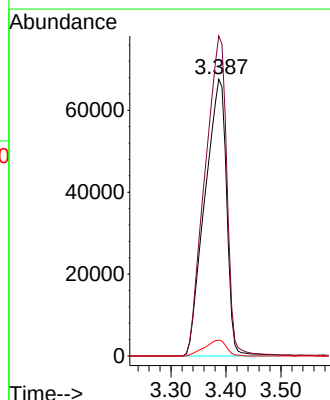
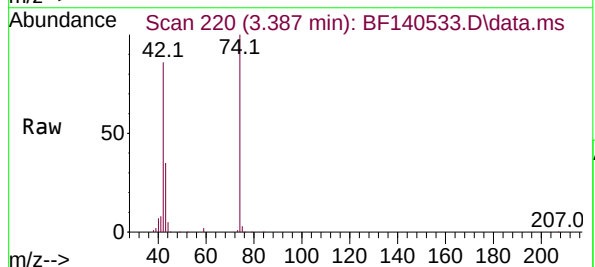
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

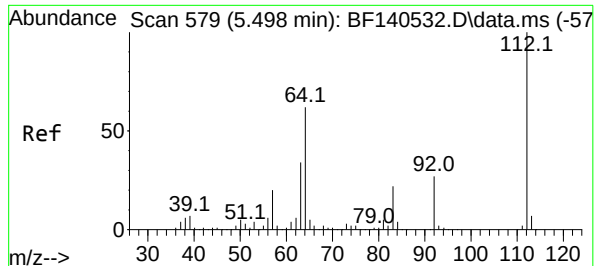
Tgt Ion: 79 Resp: 312094
Ion Ratio Lower Upper
79 100
52 67.5 52.1 78.1
51 37.0 27.8 41.8



#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

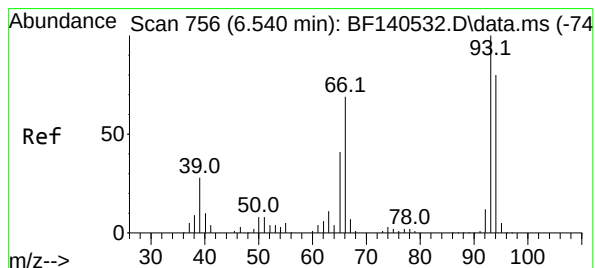
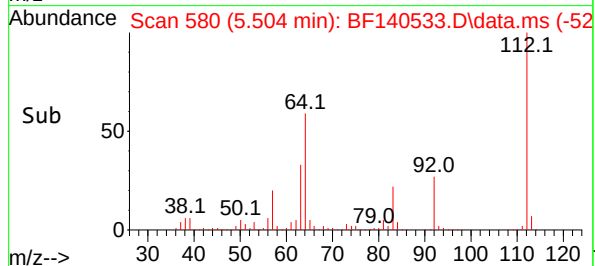
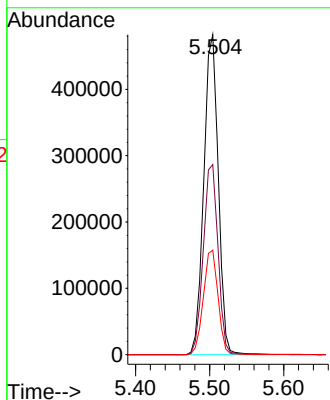
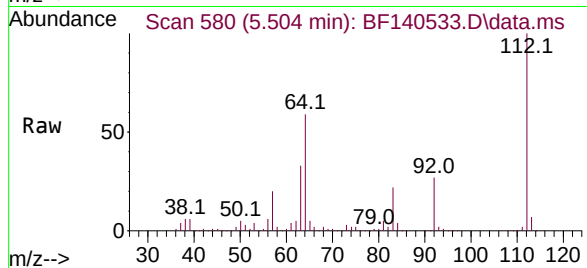




#5
2-Fluorophenol
Concen: 95.327 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

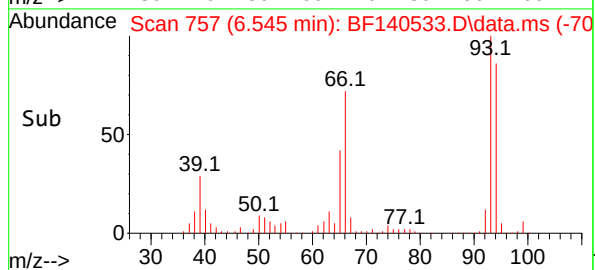
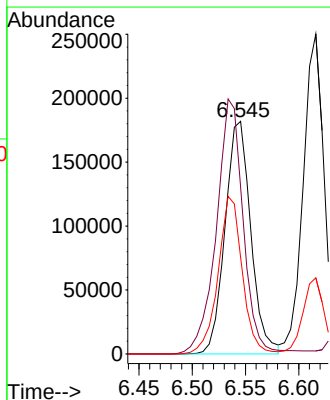
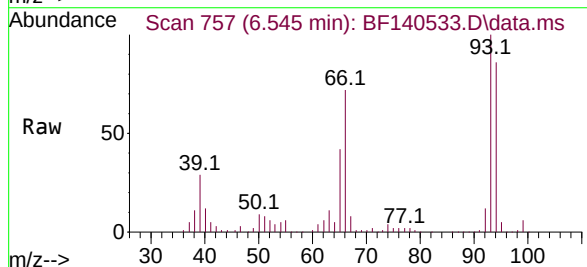
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

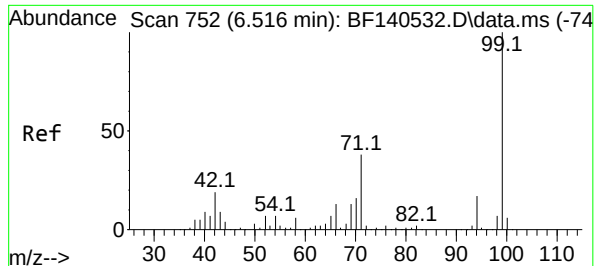
Tgt Ion:112 Resp: 656695
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 32.7 27.0 40.4



#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

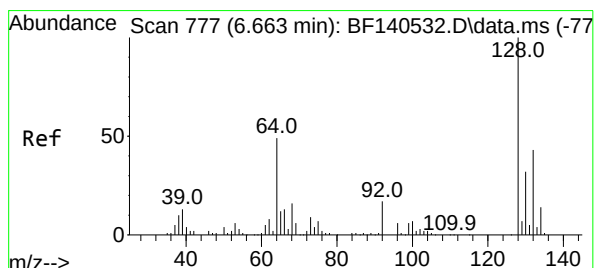
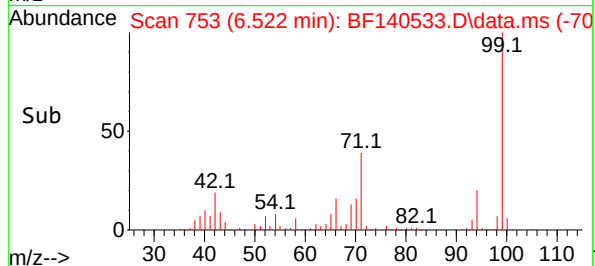
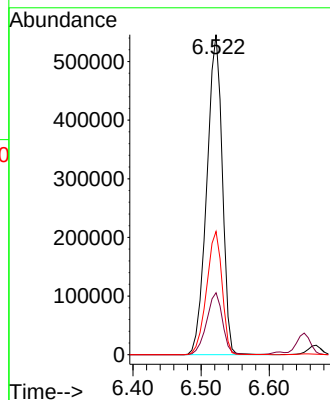
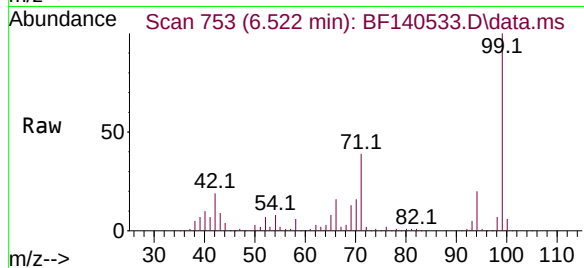
Tgt Ion: 99 Resp: 860924

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

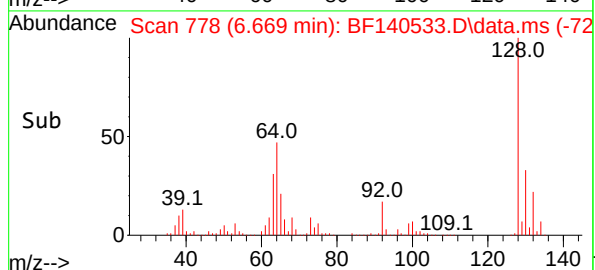
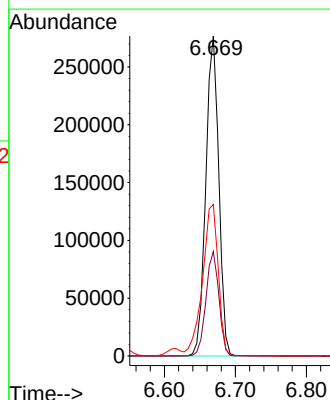
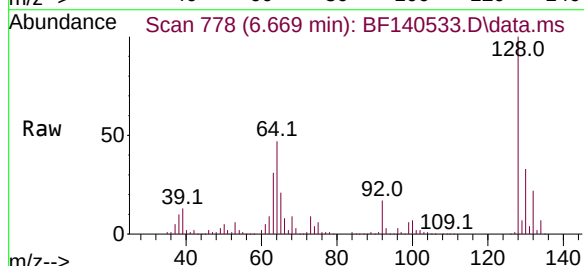
Tgt Ion:128 Resp: 352950

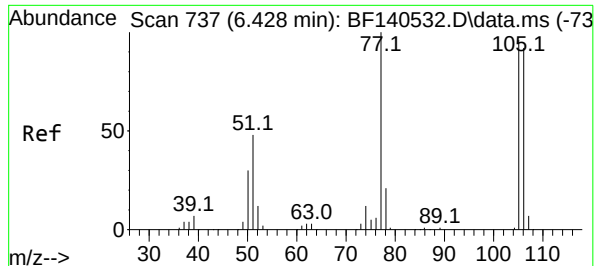
Ion Ratio Lower Upper

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

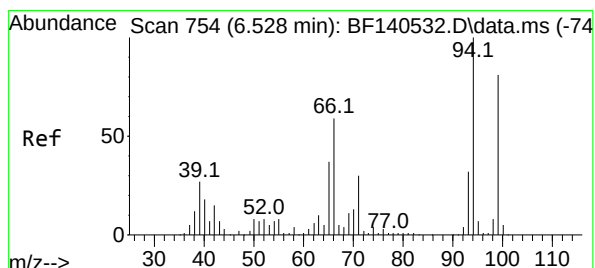
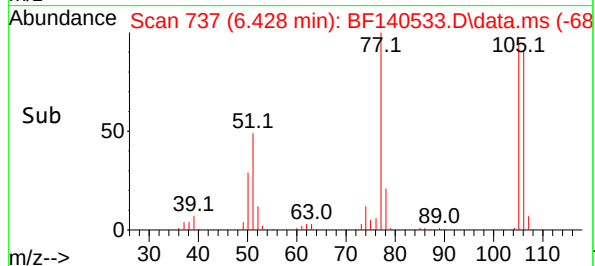
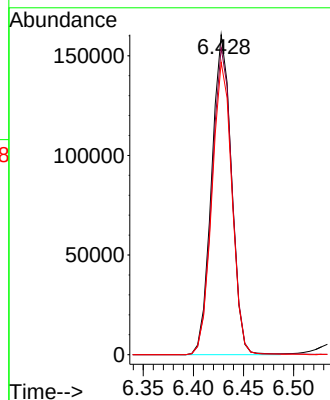
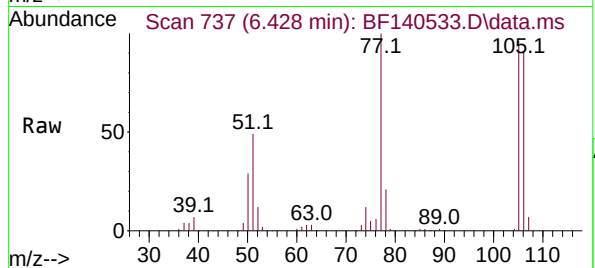
Tgt Ion: 77 Resp: 220959

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

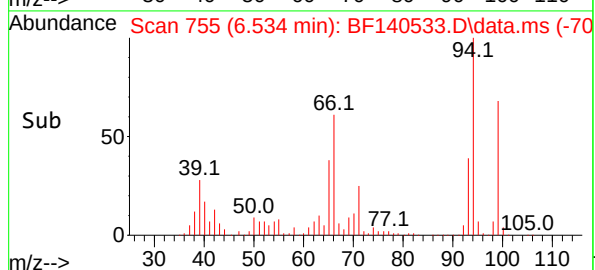
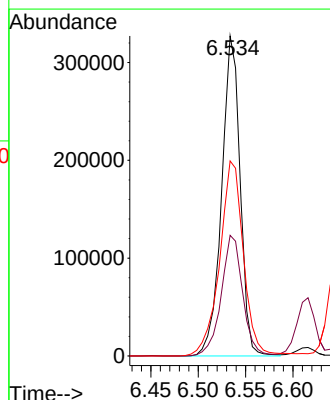
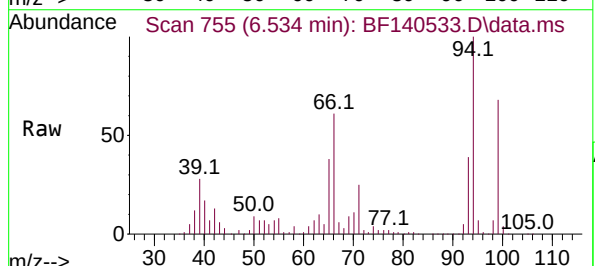
Tgt Ion: 94 Resp: 444859

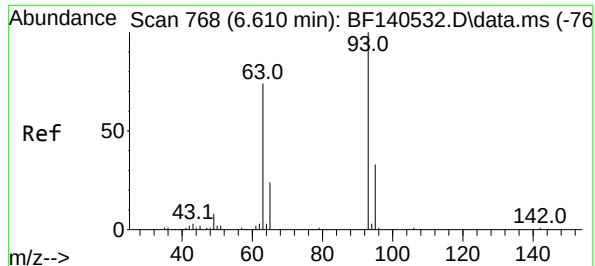
Ion Ratio Lower Upper

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

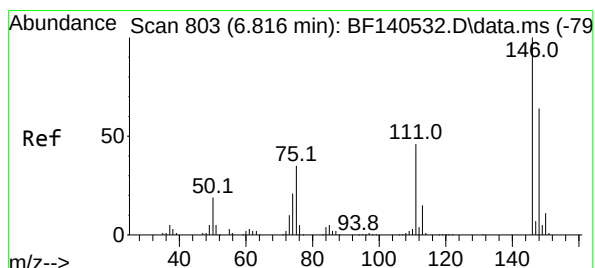
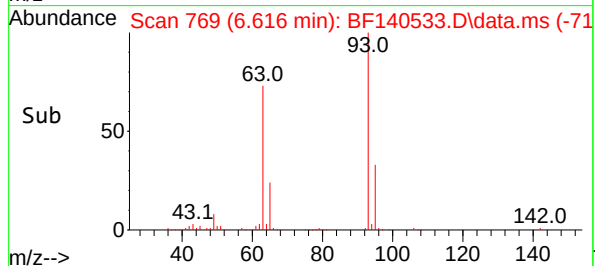
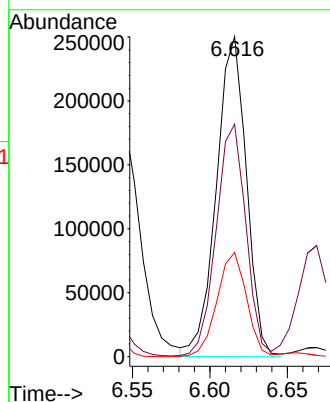
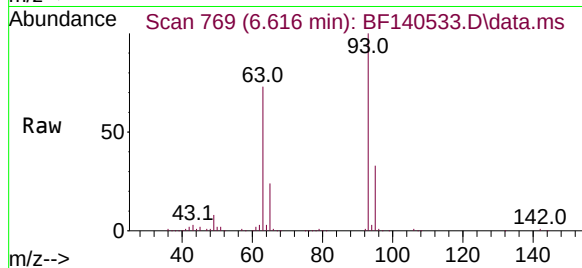
Tgt Ion: 93 Resp: 336892

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

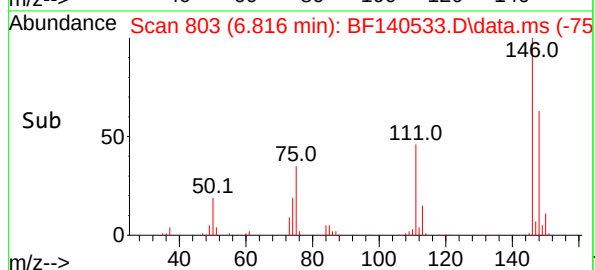
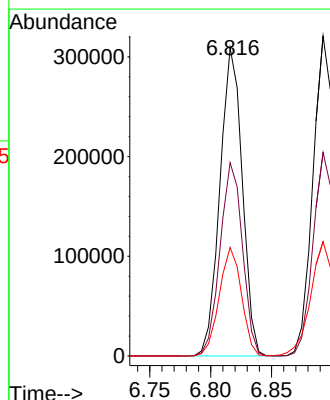
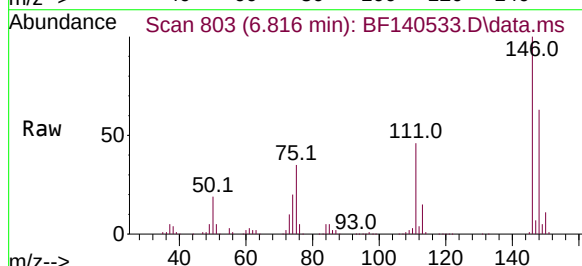
Tgt Ion:146 Resp: 395334

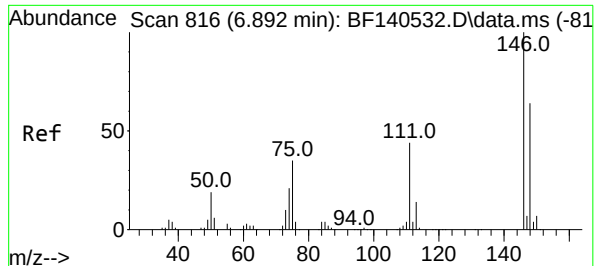
Ion Ratio Lower Upper

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

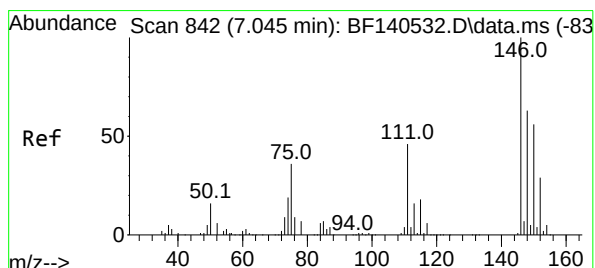
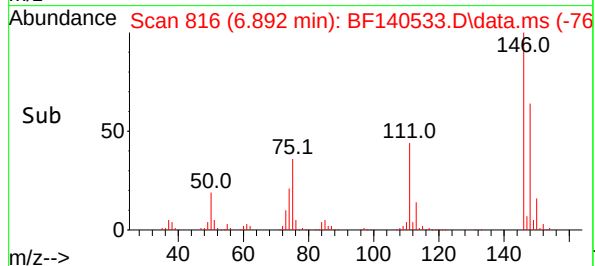
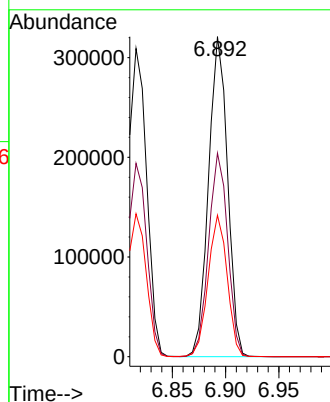
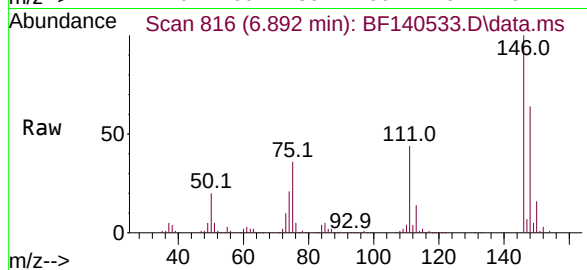
Tgt Ion:146 Resp: 399191

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

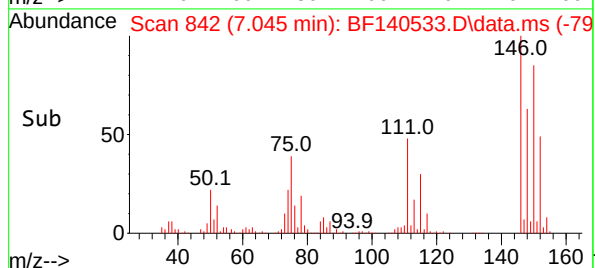
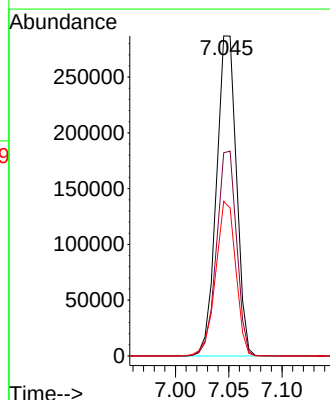
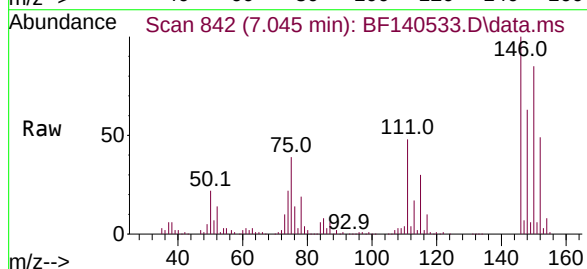
Tgt Ion:146 Resp: 372552

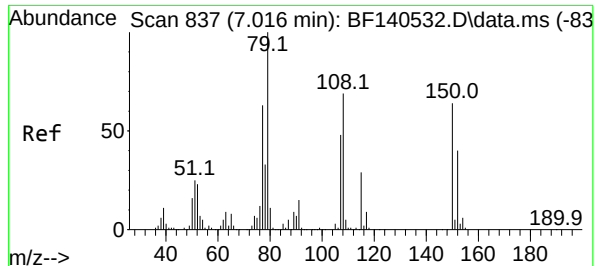
Ion Ratio Lower Upper

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

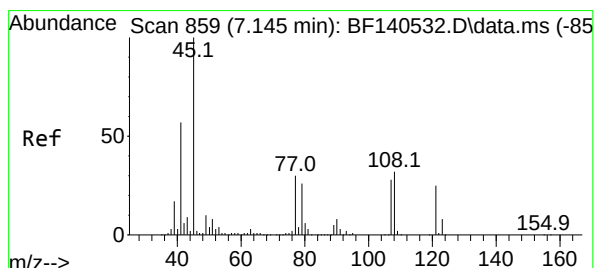
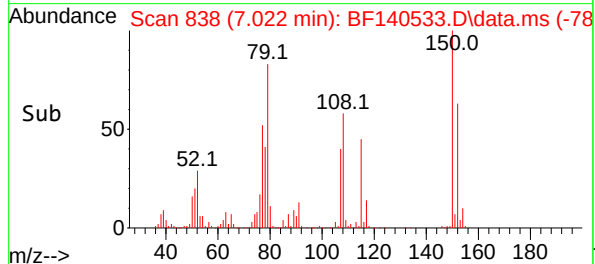
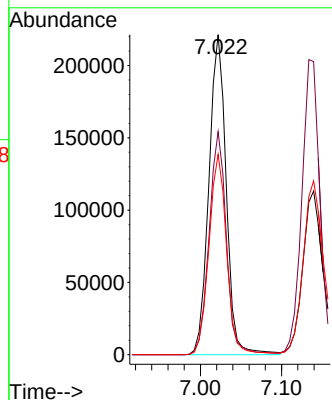
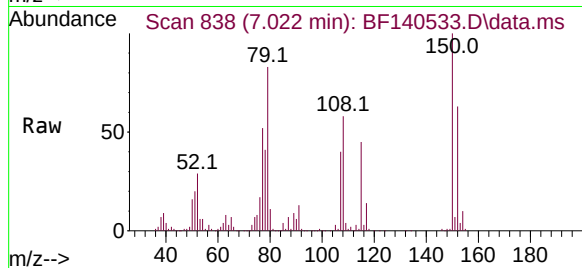
Tgt Ion: 79 Resp: 327081

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

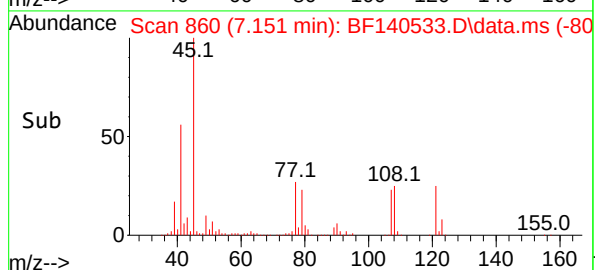
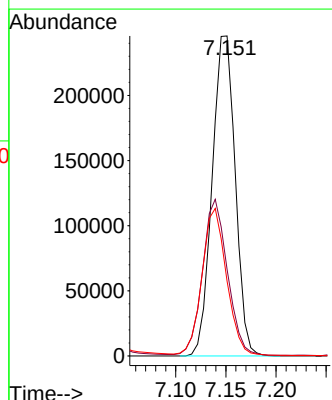
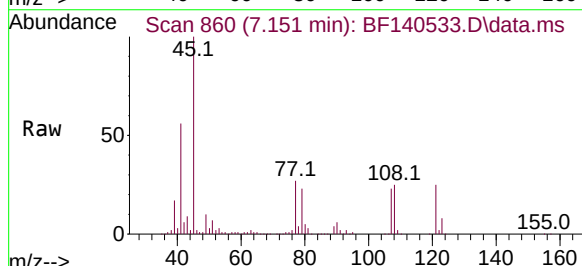
Tgt Ion: 45 Resp: 392372

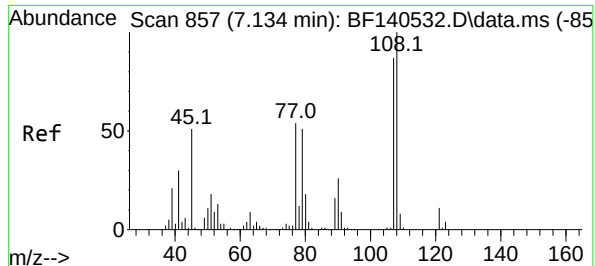
Ion Ratio Lower Upper

45 100

77 27.1 10.7 50.7

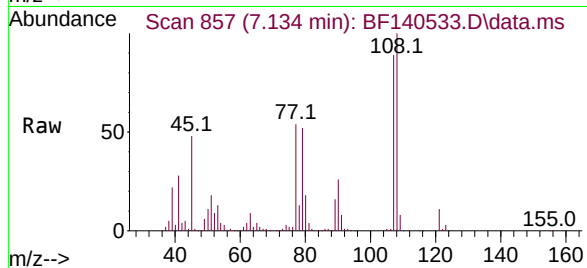
79 23.3 7.0 47.0



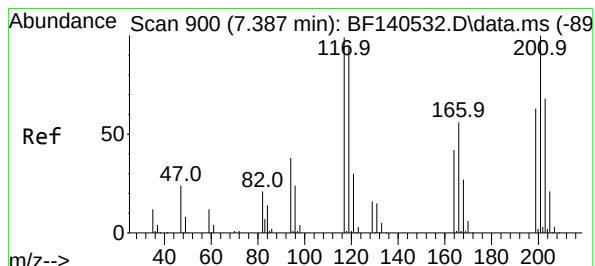
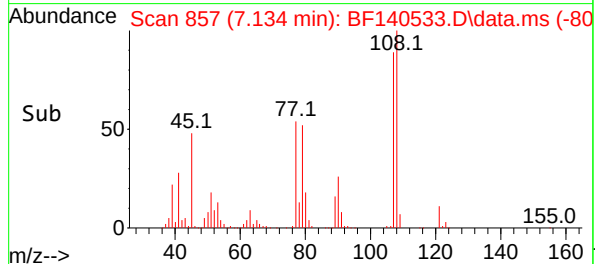
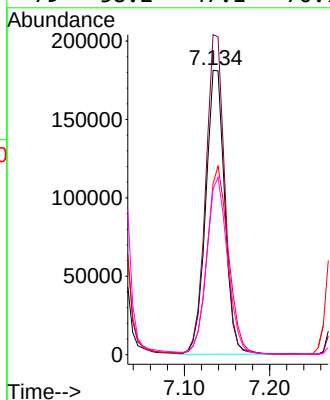


#17
2-Methylphenol
Concen: 47.344 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

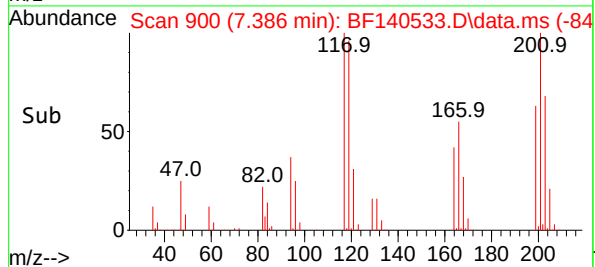
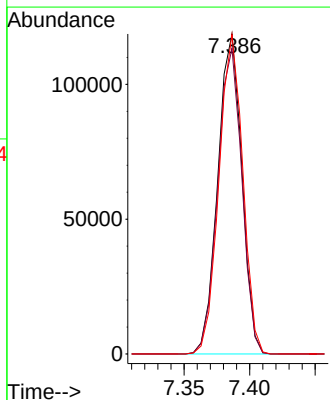
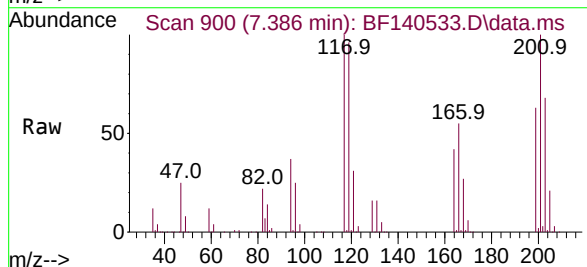


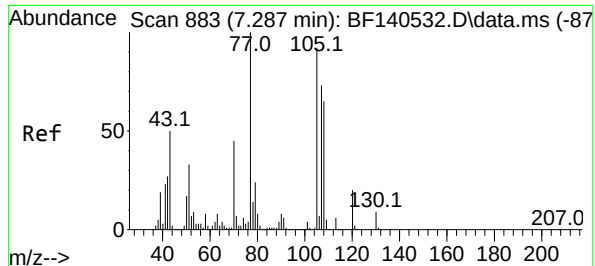
Tgt Ion:107 Resp: 280882
Ion Ratio Lower Upper
107 100
108 112.5 91.7 137.5
77 60.3 49.3 73.9
79 58.2 47.1 70.7



#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

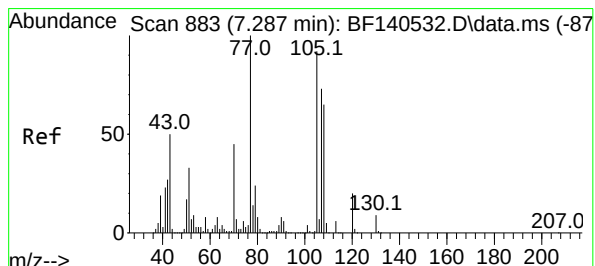
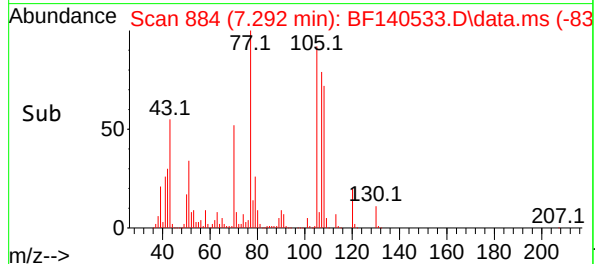
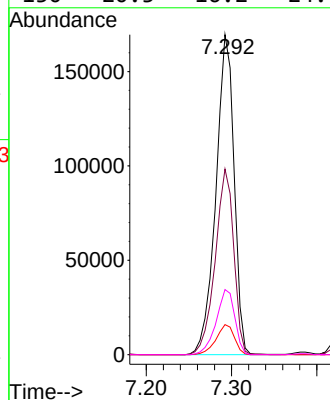
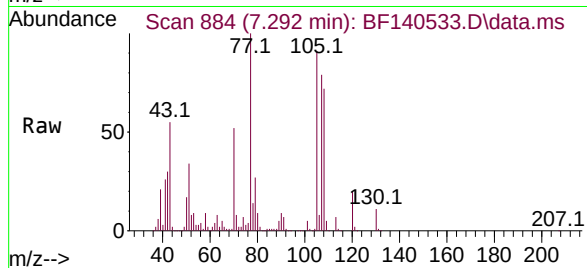
Ion Ratio Lower Upper

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

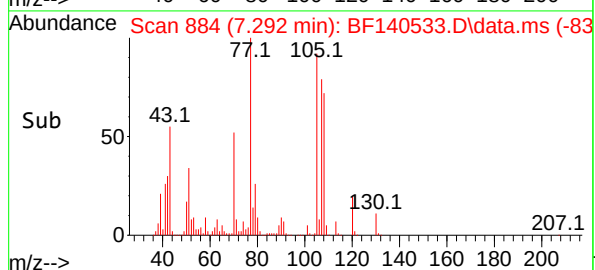
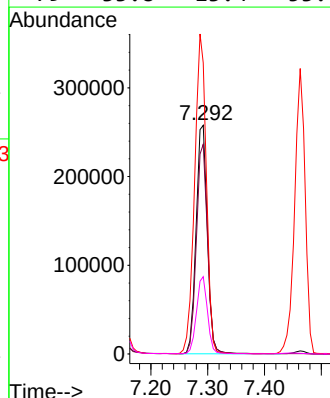
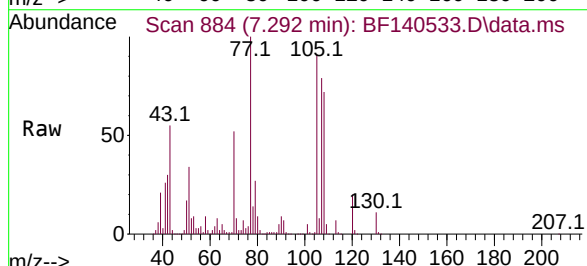
Ion Ratio Lower Upper

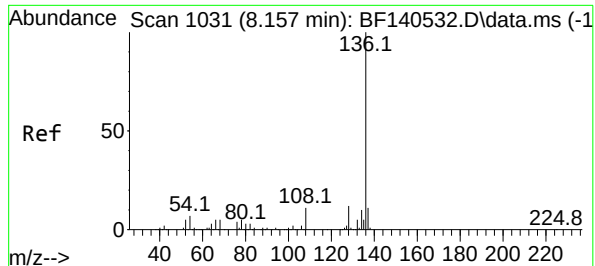
107 100

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

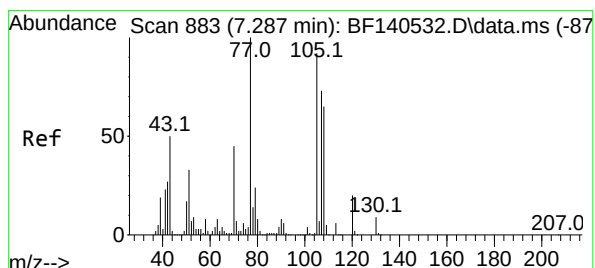
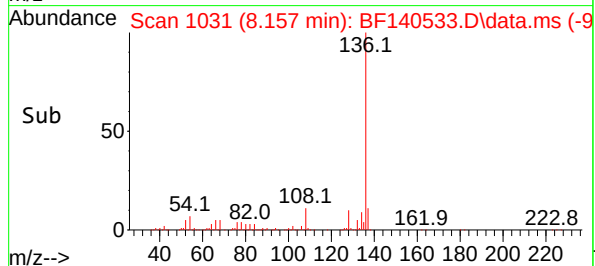
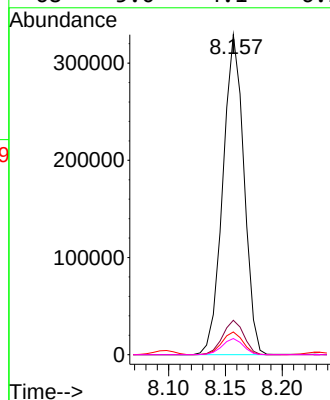
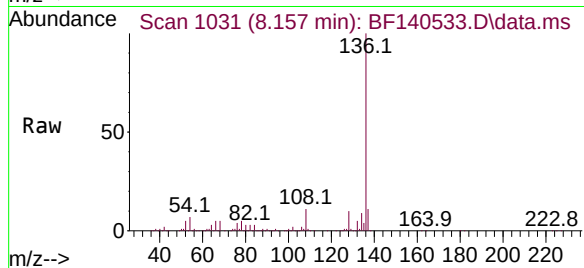
Ion Ratio Lower Upper

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

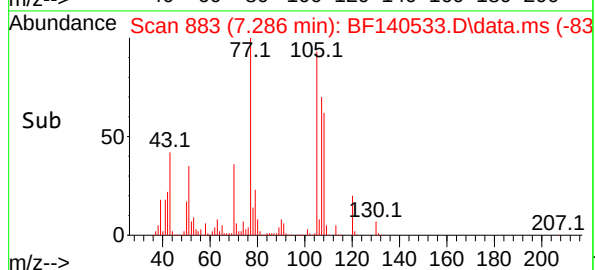
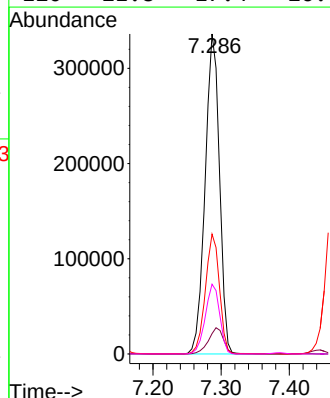
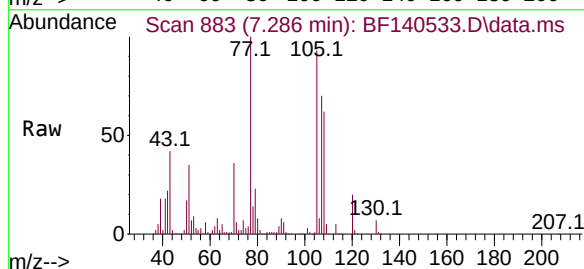
Ion Ratio Lower Upper

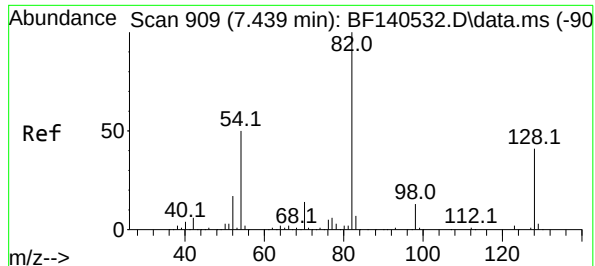
105 100

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

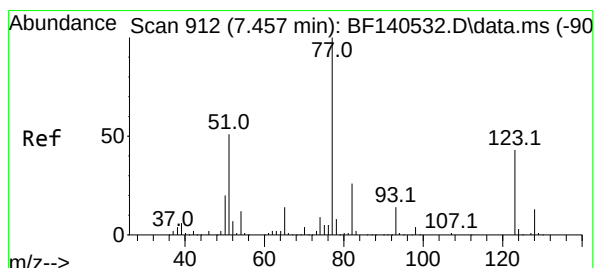
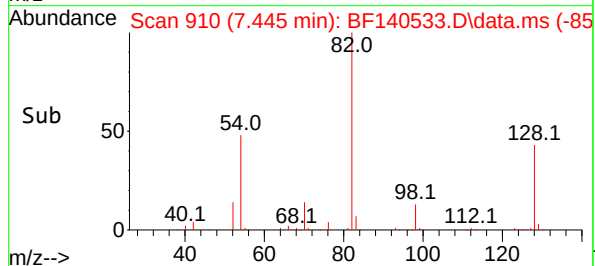
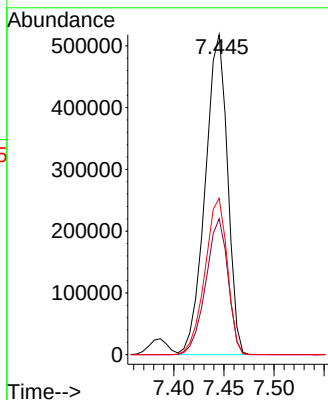
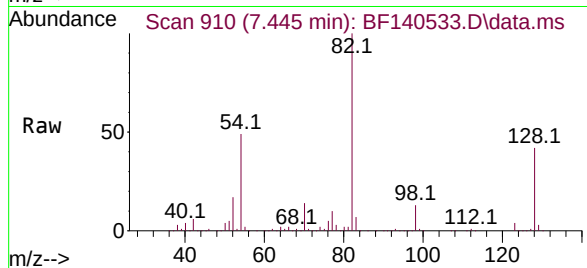
Tgt Ion: 82 Resp: 801144

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

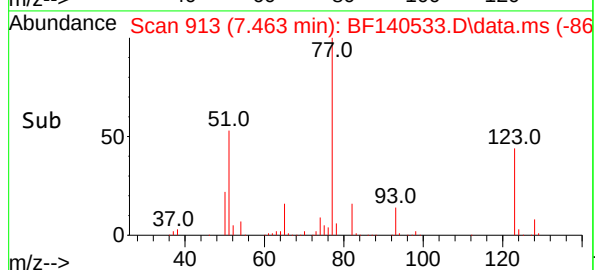
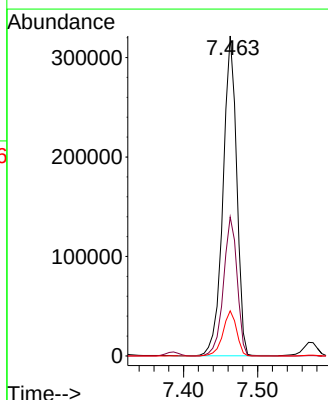
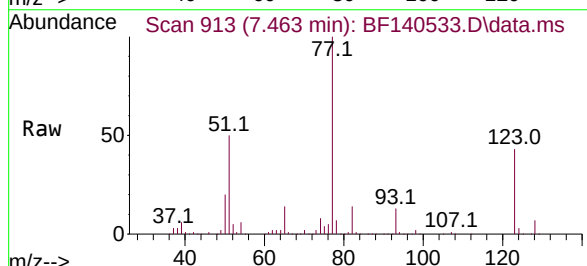
Tgt Ion: 77 Resp: 412860

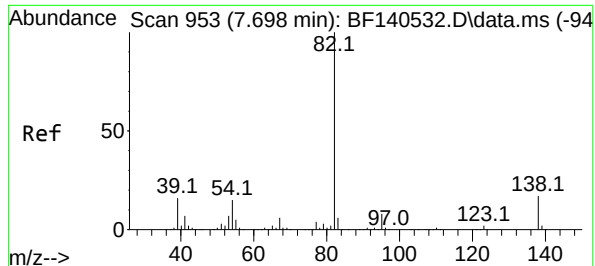
Ion Ratio Lower Upper

77 100

123 43.4 34.3 51.5

65 14.1 11.2 16.8

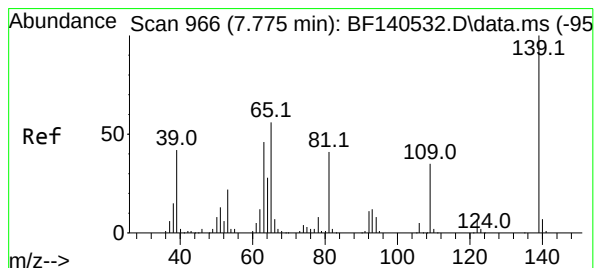
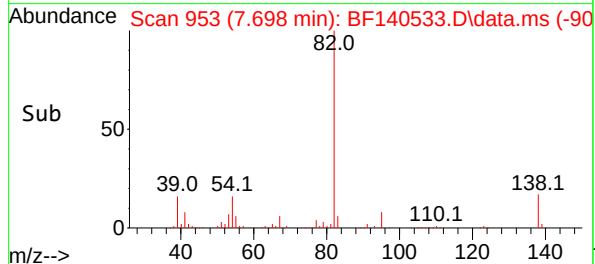
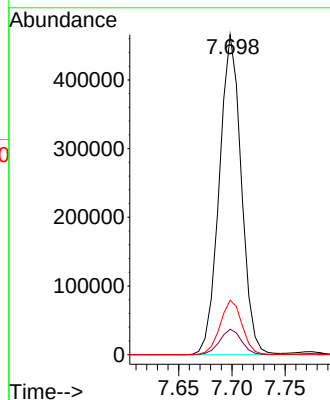
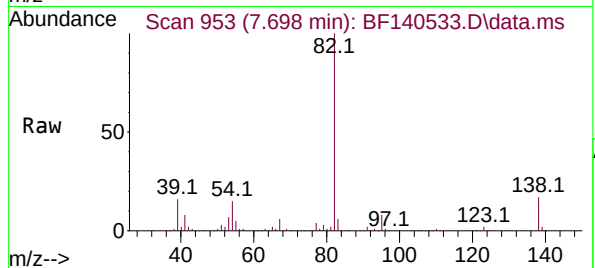




#25
Isophorone
Concen: 48.214 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

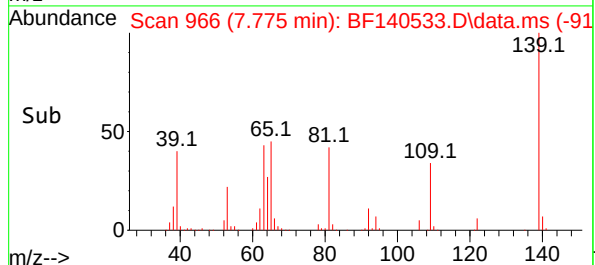
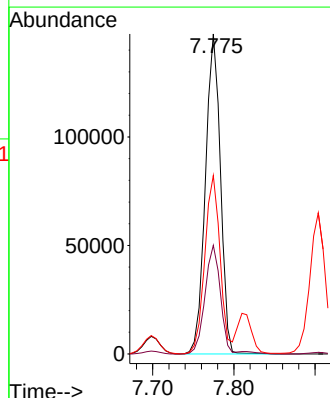
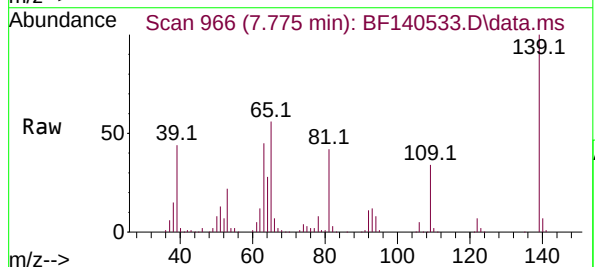
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

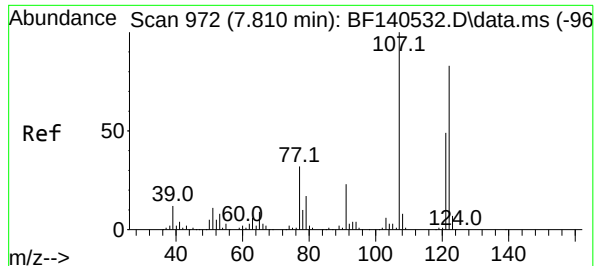
Tgt Ion: 82 Resp: 668649
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 17.0 13.8 20.6



#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

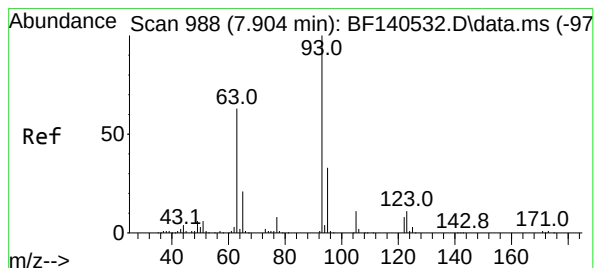
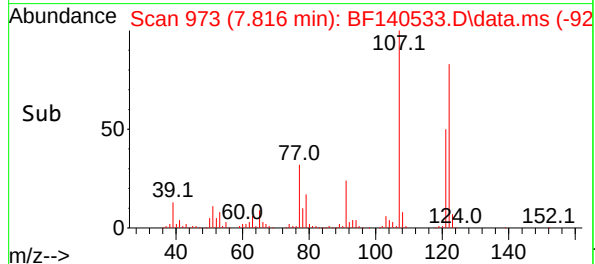
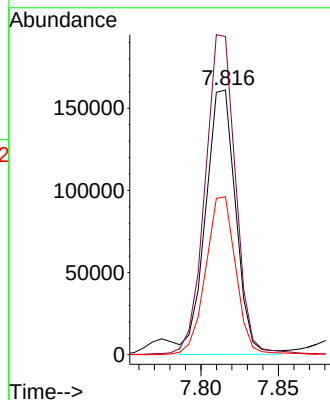
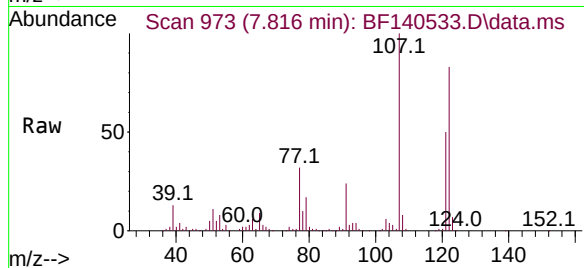
Tgt Ion:122 Resp: 217017

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

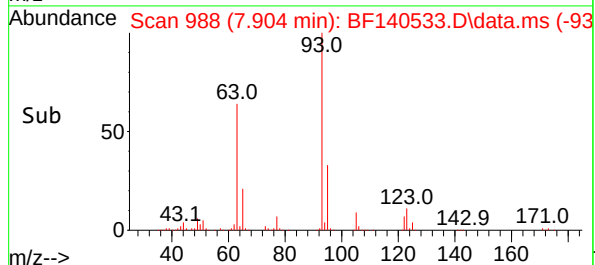
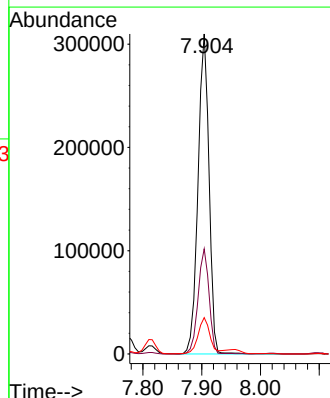
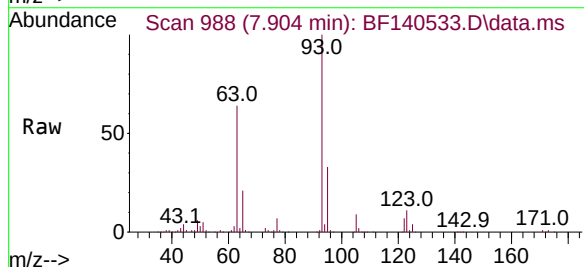
Tgt Ion: 93 Resp: 402409

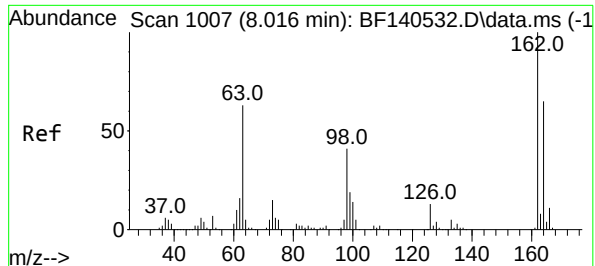
Ion Ratio Lower Upper

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

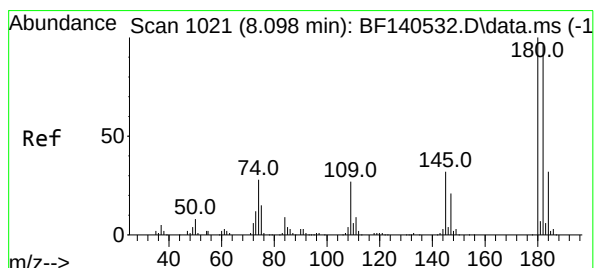
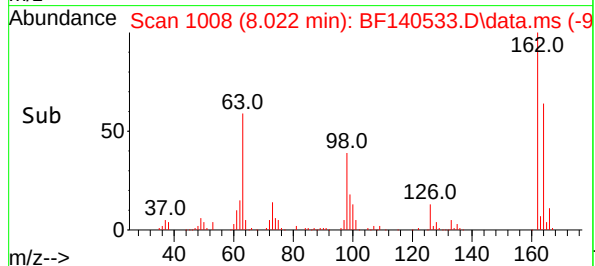
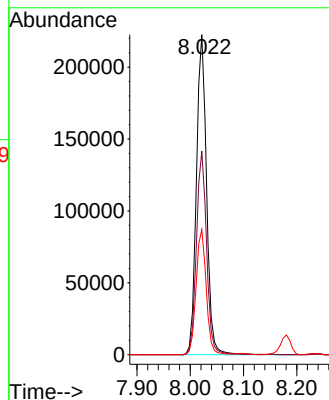
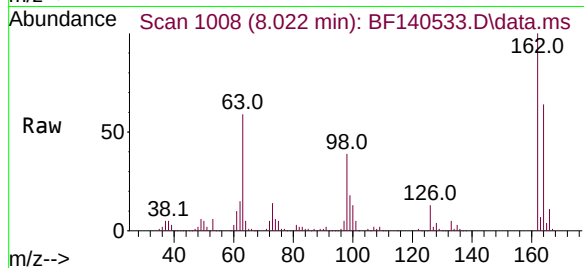
Tgt Ion:162 Resp: 295023

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

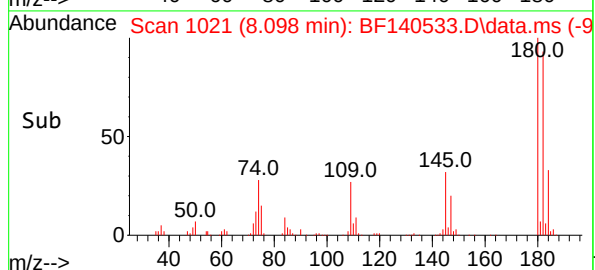
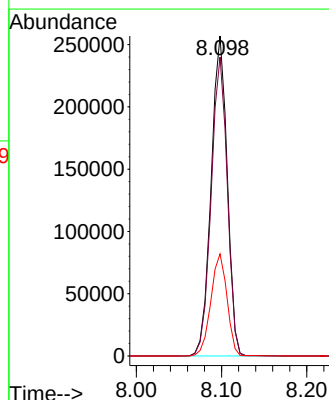
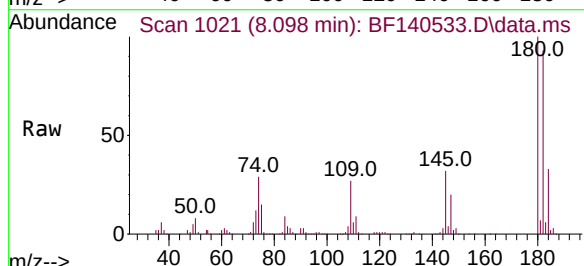
Tgt Ion:180 Resp: 336812

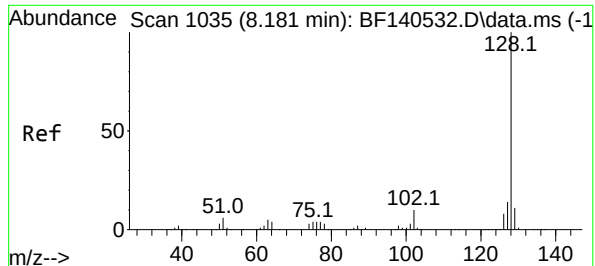
Ion Ratio Lower Upper

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

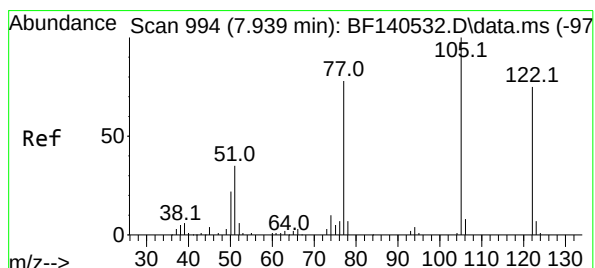
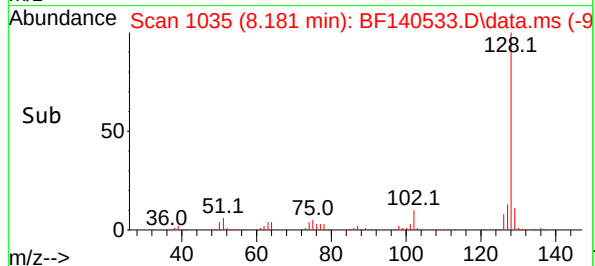
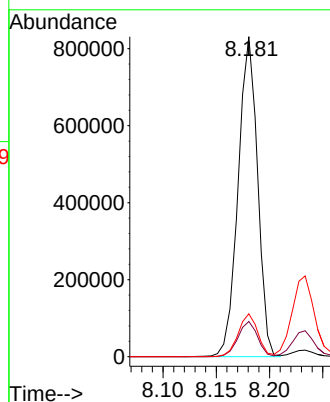
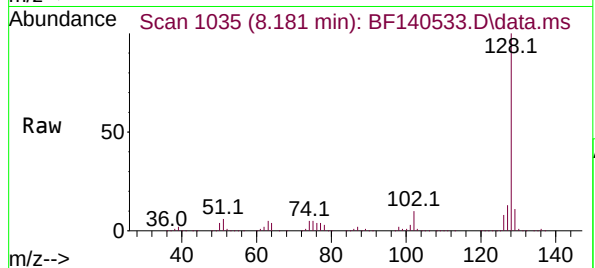
Tgt Ion:128 Resp: 1055423

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

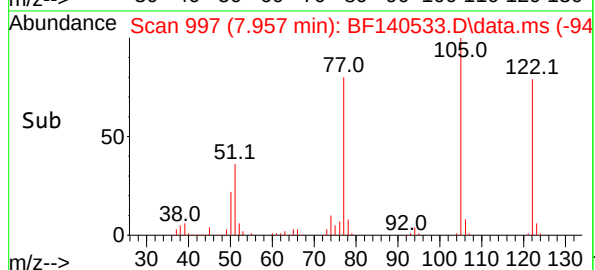
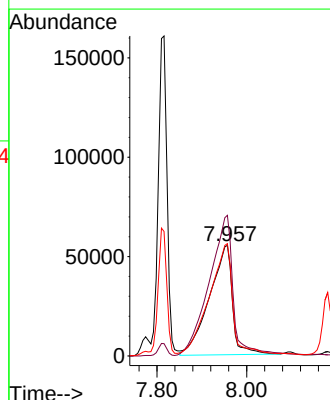
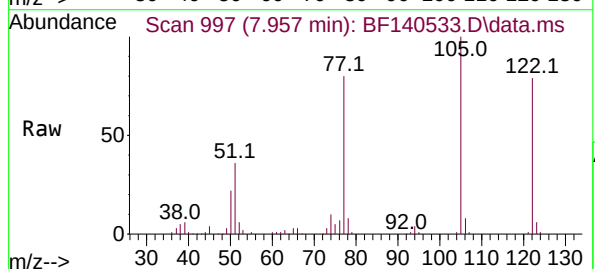
Tgt Ion:122 Resp: 196545

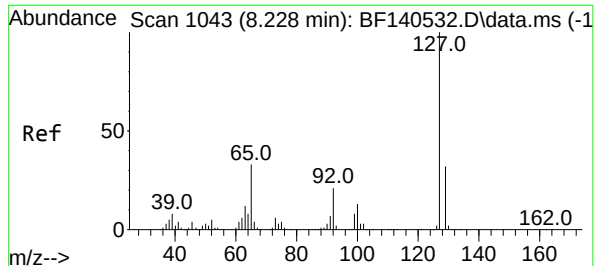
Ion Ratio Lower Upper

122 100

105 127.2 109.3 149.3

77 101.5 82.3 122.3

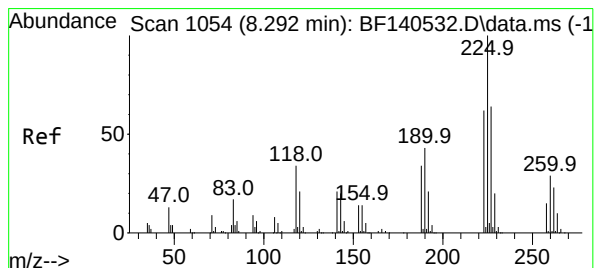
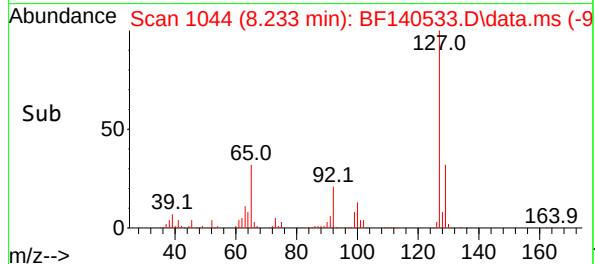
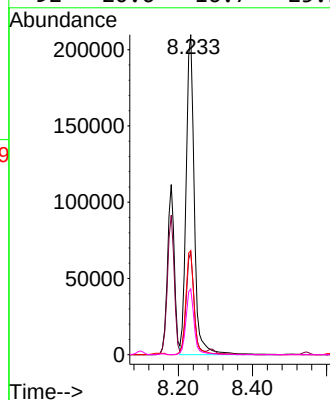
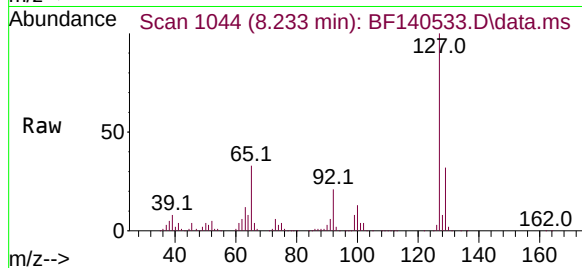




#33
4-Chloroaniline
Concen: 49.125 ng
RT: 8.233 min Scan# 1044
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

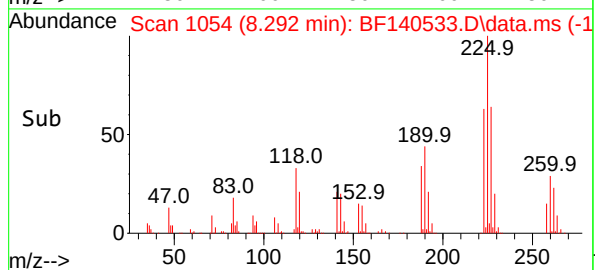
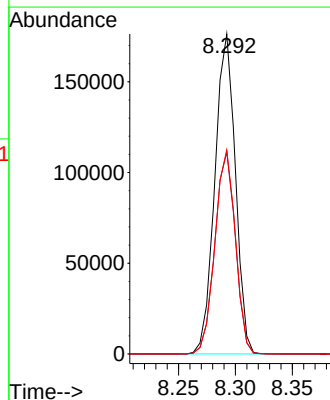
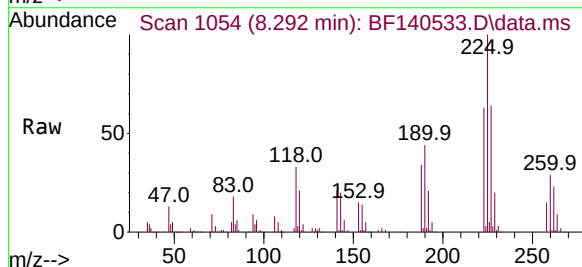
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

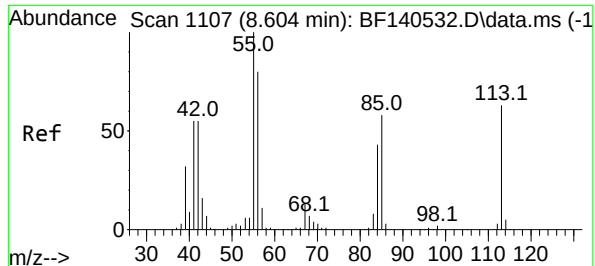
Tgt Ion:	127	Resp:	322212
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	32.5	26.0	39.0
92	20.6	16.7	25.1



#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

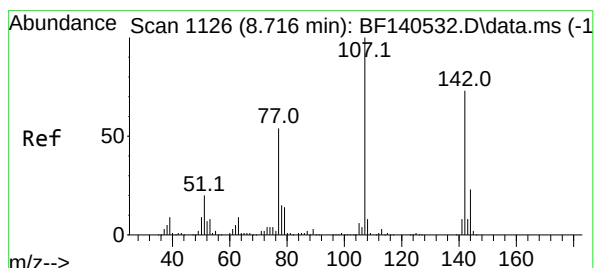
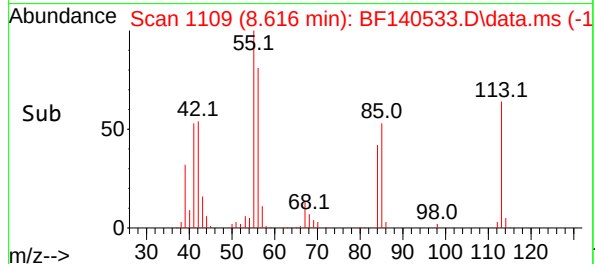
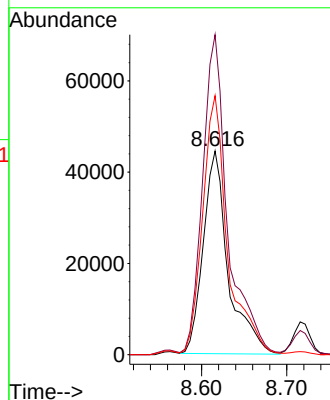
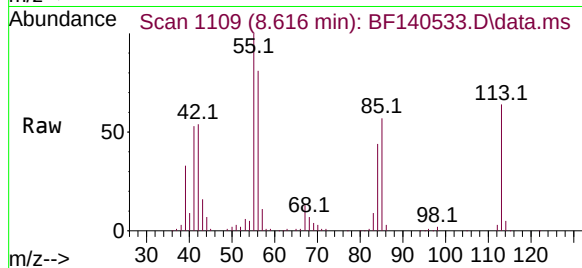




#35
 Caprolactam
 Concen: 48.486 ng
 RT: 8.616 min Scan# 1109
 Delta R.T. 0.012 min
 Lab File: BF140533.D
 Acq: 21 Nov 2024 13:25

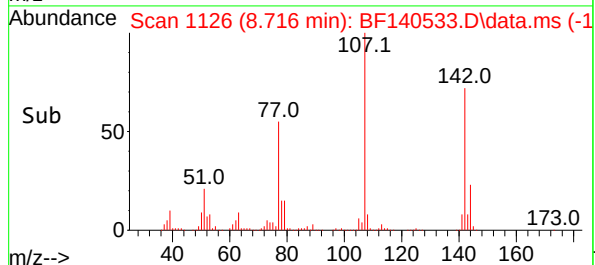
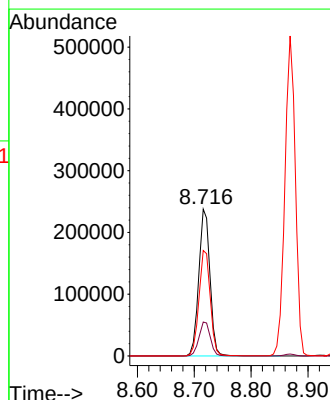
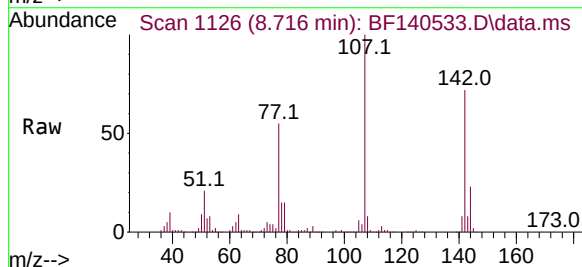
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

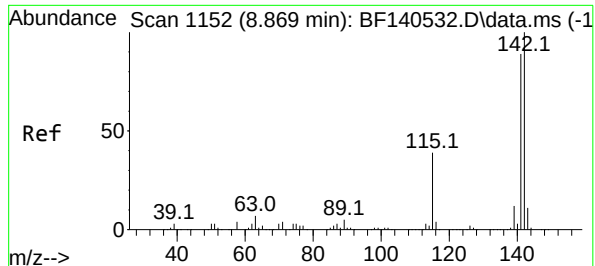
Tgt Ion:113 Resp: 90596
 Ion Ratio Lower Upper
 113 100
 55 157.2 137.7 177.7
 56 127.3 106.4 146.4



#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

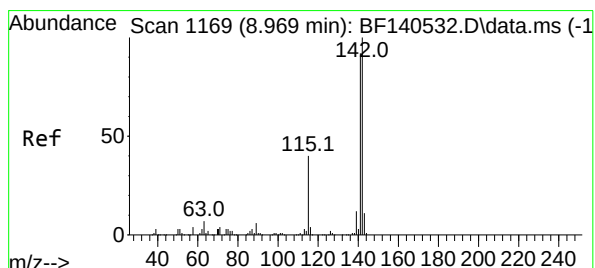
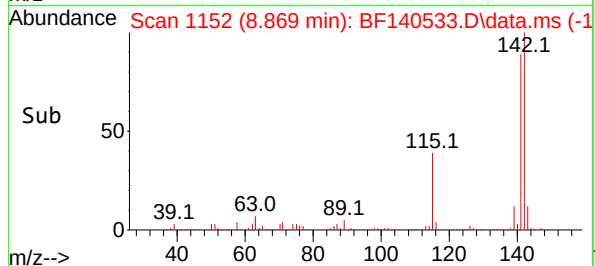
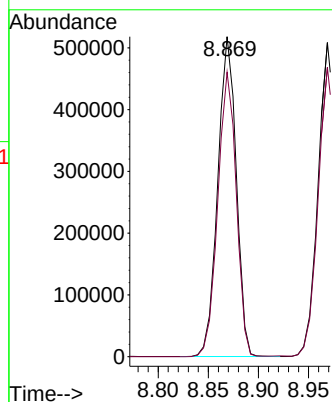
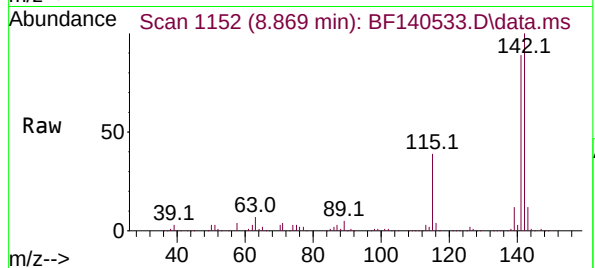




#37
2-Methylnaphthalene
Concen: 47.620 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

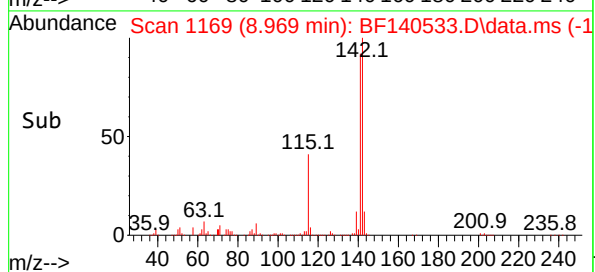
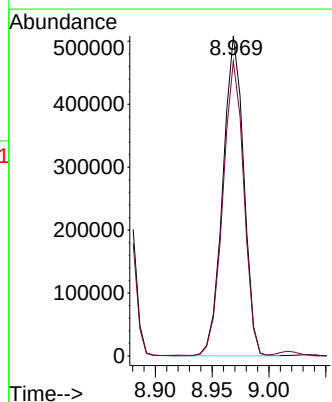
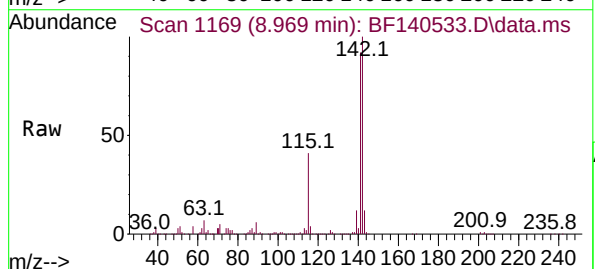
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

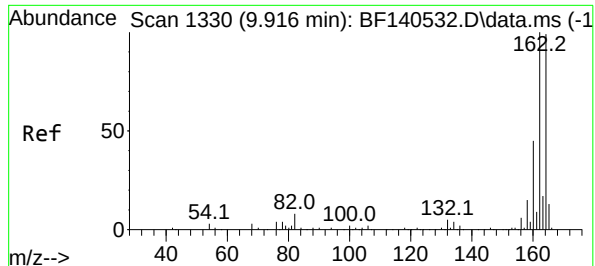
Tgt Ion:142 Resp: 662592
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.6



#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

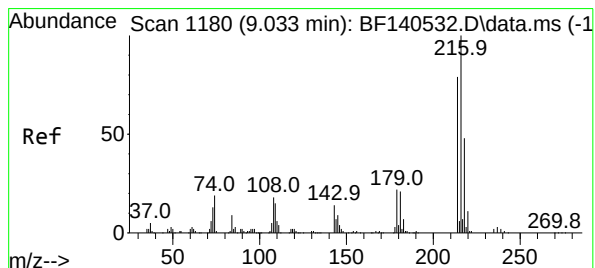
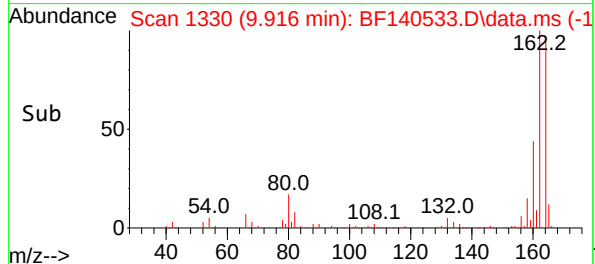
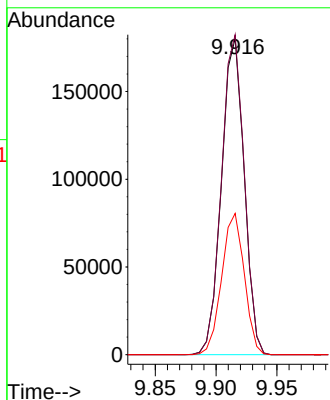
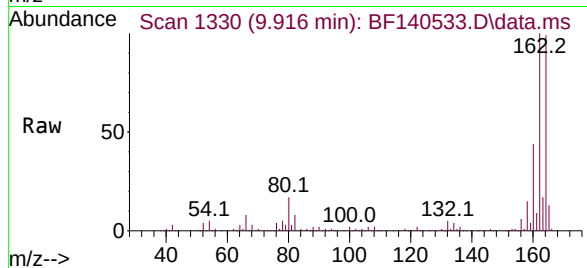




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

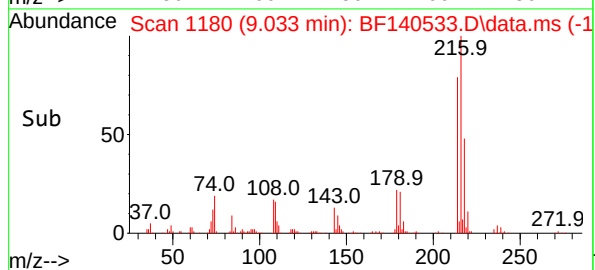
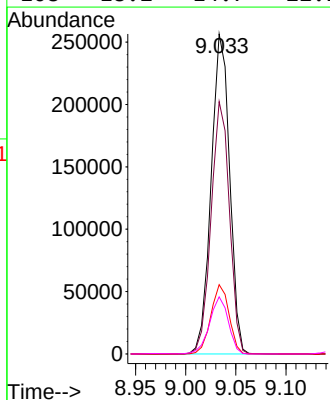
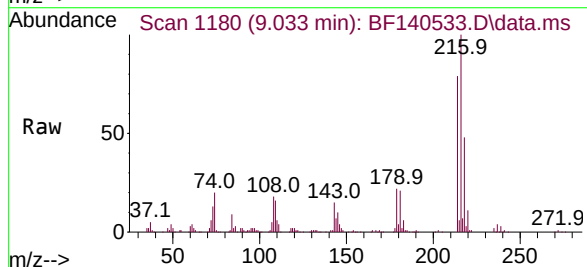
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

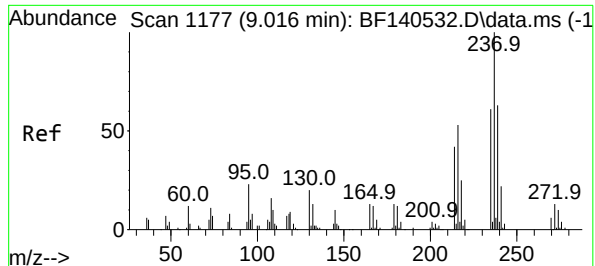
Tgt Ion:164 Resp: 233869
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 44.7 36.2 54.4



#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

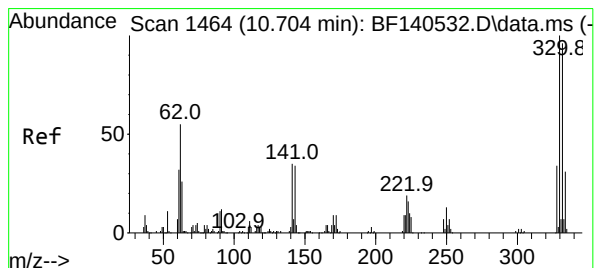
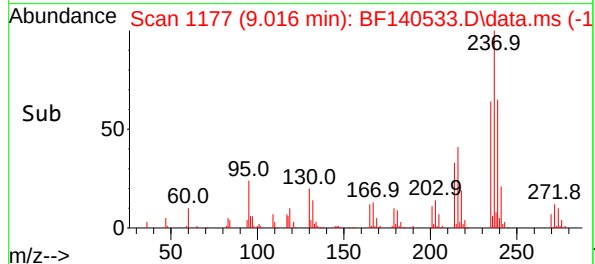
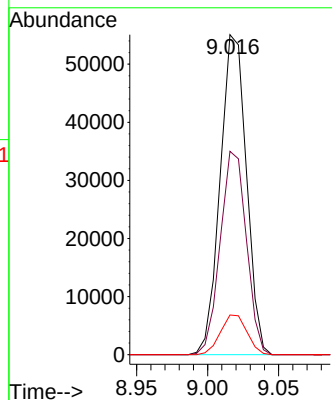
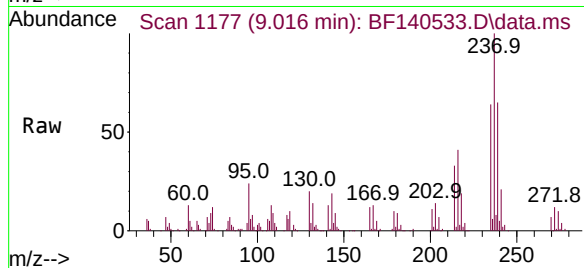




#41
Hexachlorocyclopentadiene
Concen: 49.123 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

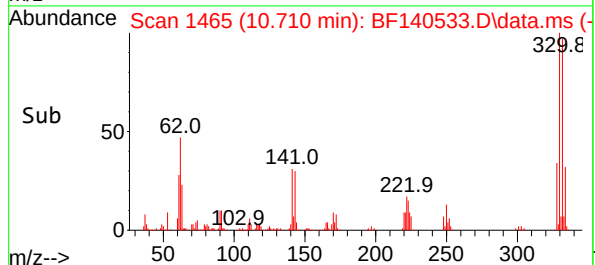
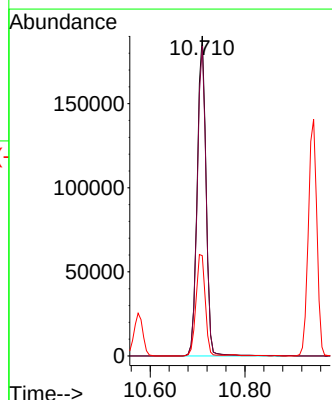
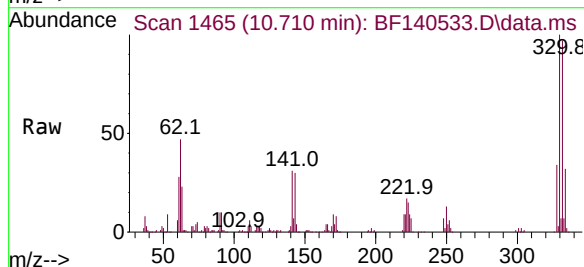
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

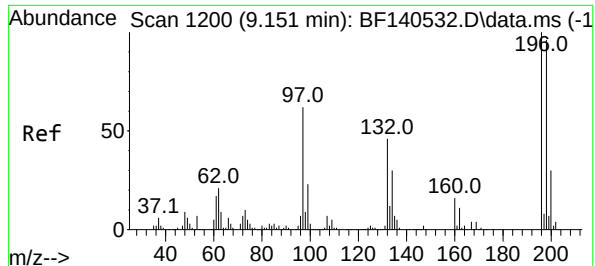
Tgt Ion:237 Resp: 70831
Ion Ratio Lower Upper
237 100
235 63.5 41.1 81.1
272 12.4 0.0 32.6



#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

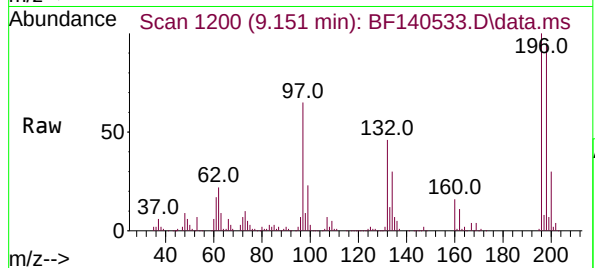
Tgt Ion:330 Resp: 245159
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 33.3 26.7 40.1



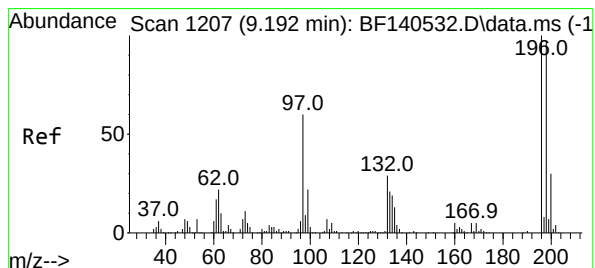
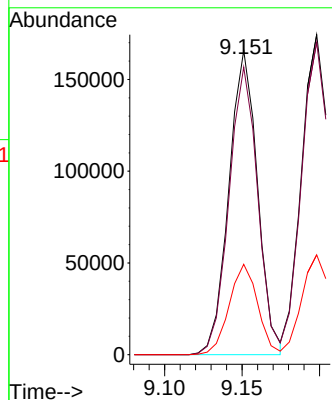
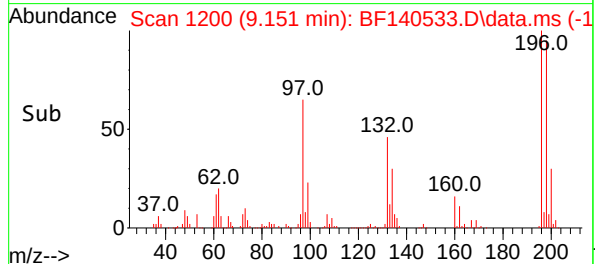


#43
2,4,6-Trichlorophenol
Concen: 49.574 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

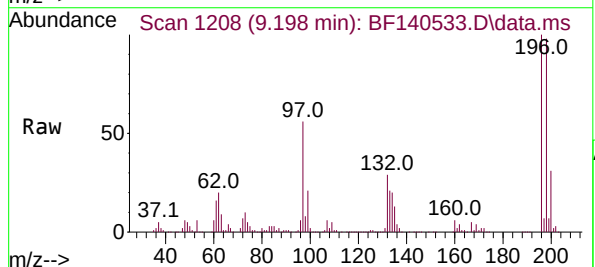
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



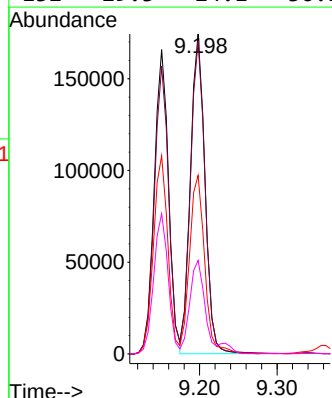
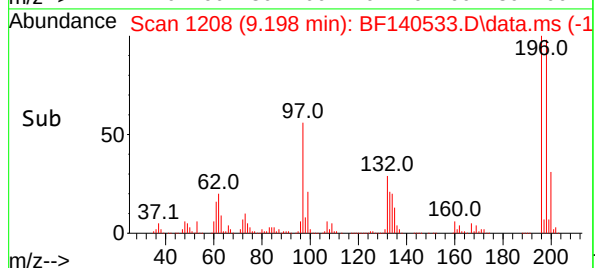
Tgt Ion:196 Resp: 212974
Ion Ratio Lower Upper
196 100
198 94.5 76.8 115.2
200 29.7 24.3 36.5

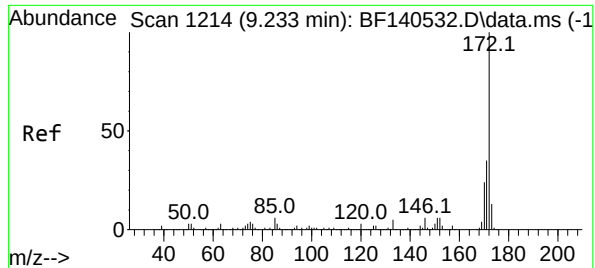


#44
2,4,5-Trichlorophenol
Concen: 48.866 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25



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

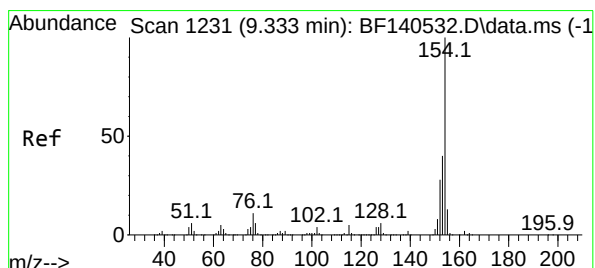
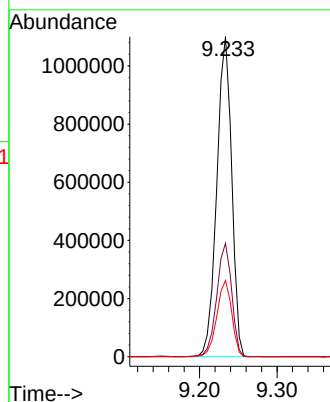
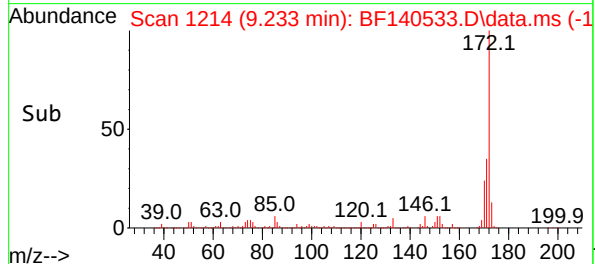
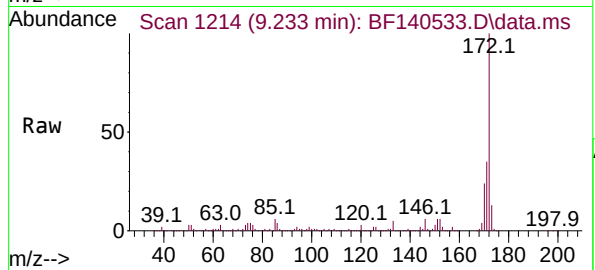




#45
2-Fluorobiphenyl
Concen: 93.462 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

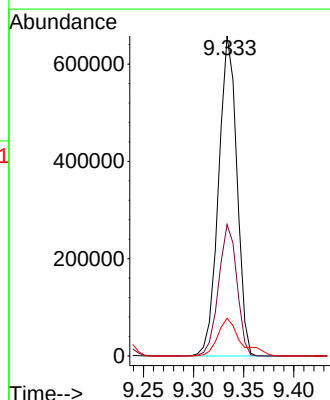
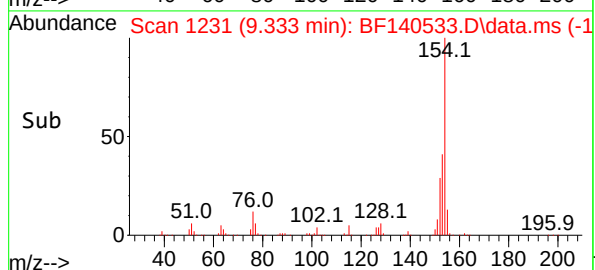
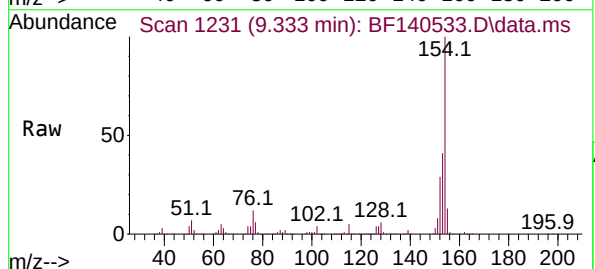
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

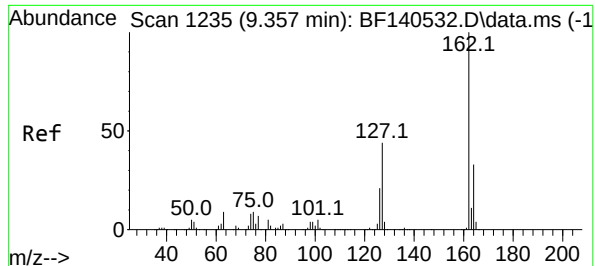
Tgt Ion:172 Resp: 1467020
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.8 19.0 28.6



#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

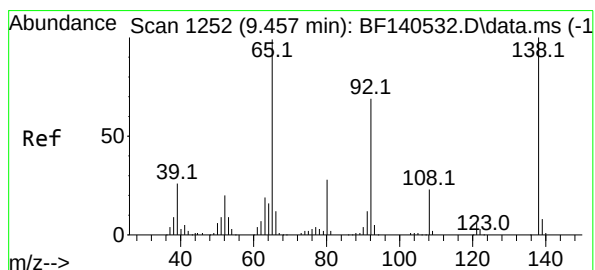
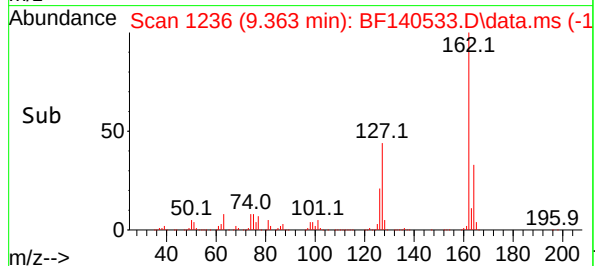
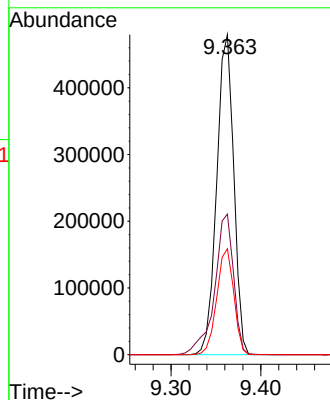
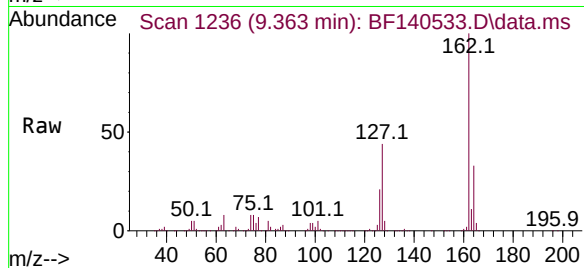
Tgt Ion:162 Resp: 632459

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

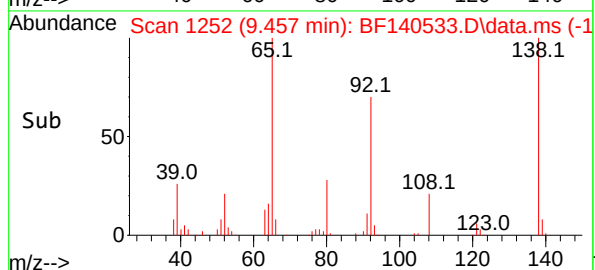
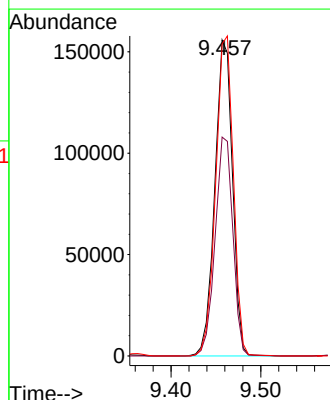
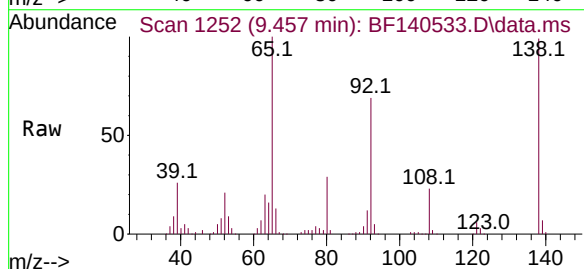
Tgt Ion: 65 Resp: 212420

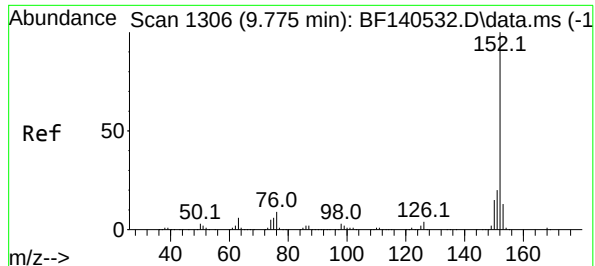
Ion Ratio Lower Upper

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

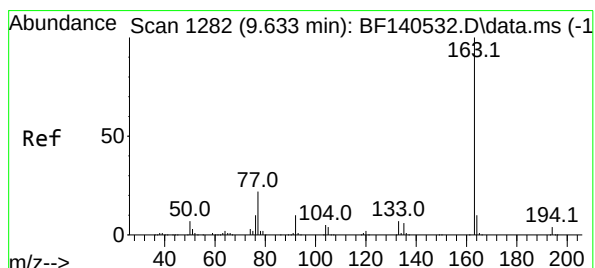
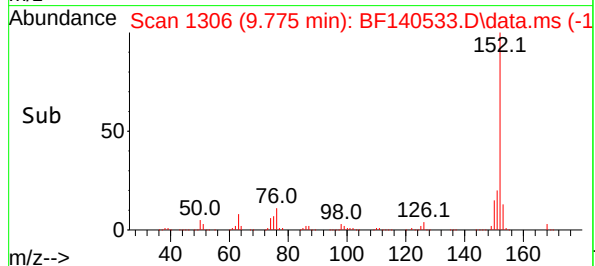
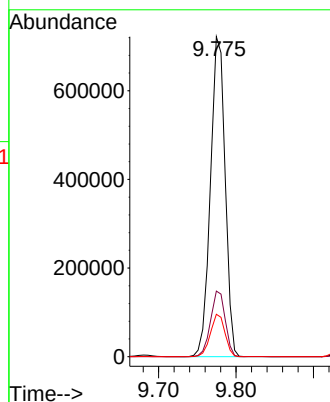
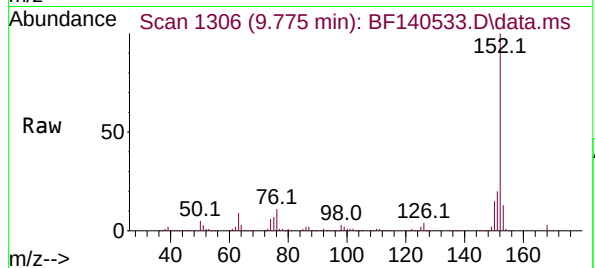
Tgt Ion:152 Resp: 951784

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

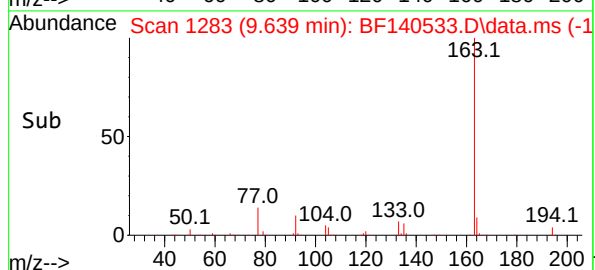
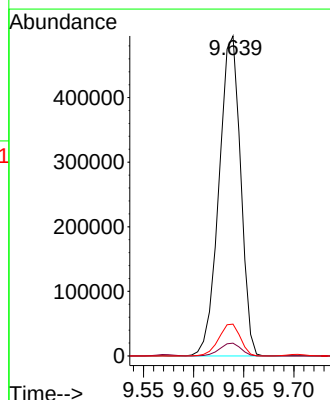
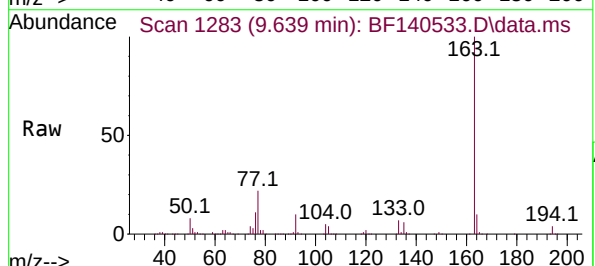
Tgt Ion:163 Resp: 740559

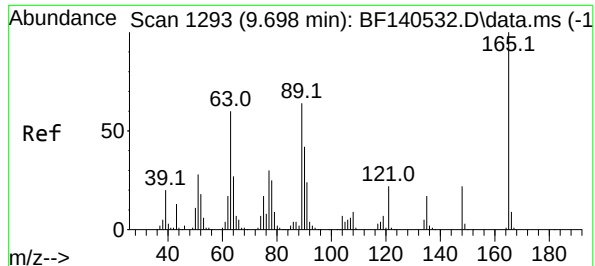
Ion Ratio Lower Upper

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 :

SSTDICC050

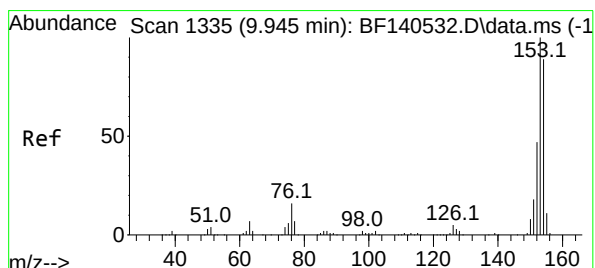
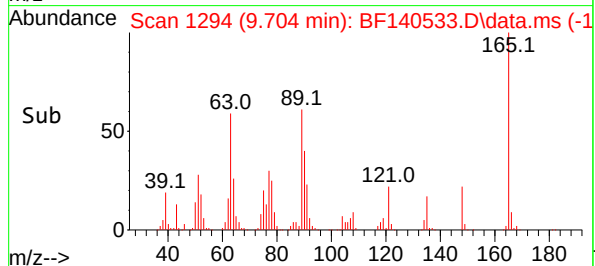
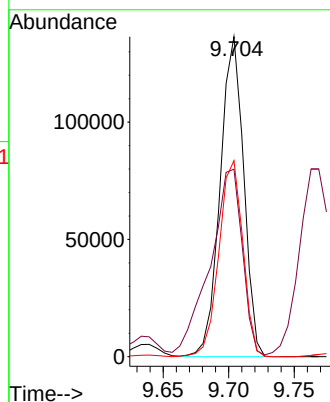
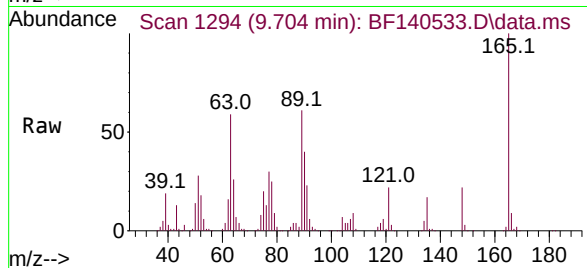
Tgt Ion:165 Resp: 169989

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

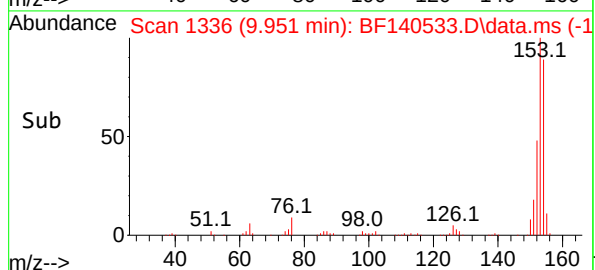
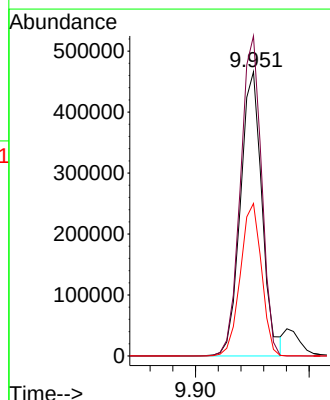
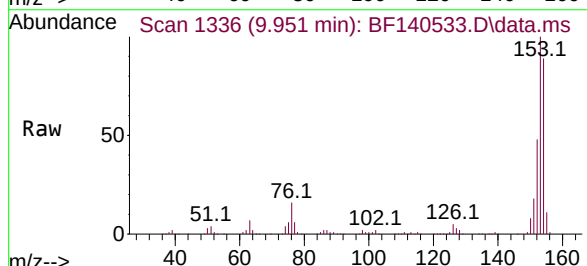
Tgt Ion:154 Resp: 615149

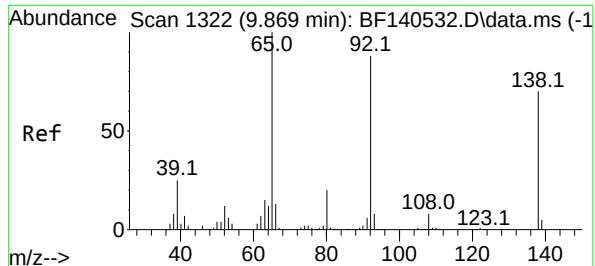
Ion Ratio Lower Upper

154 100

153 112.6 89.7 134.5

152 53.7 42.5 63.7

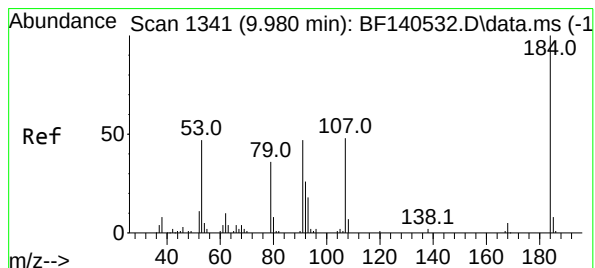
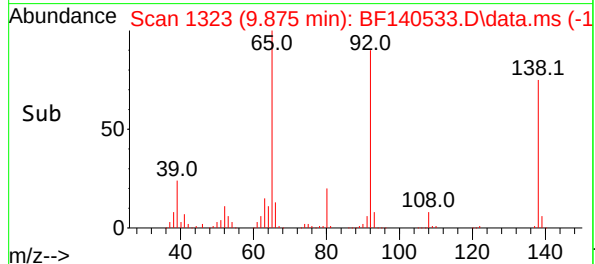
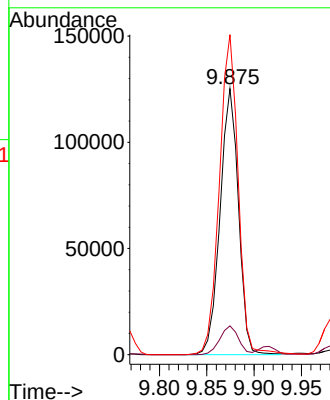
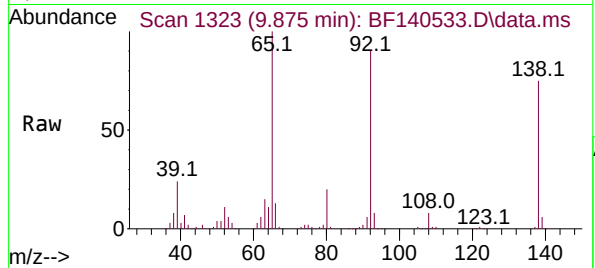




#53
3-Nitroaniline
Concen: 49.534 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

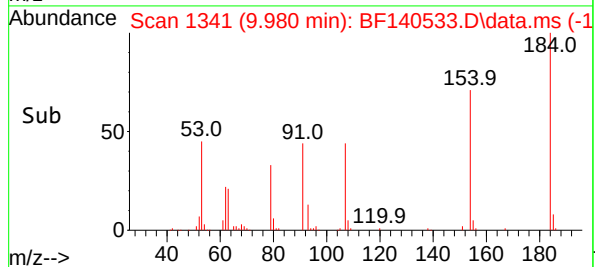
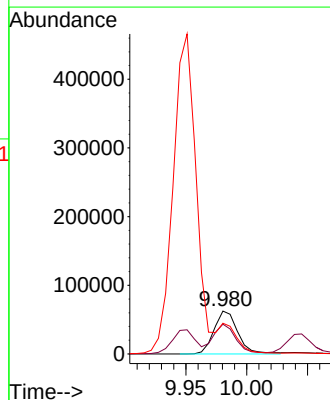
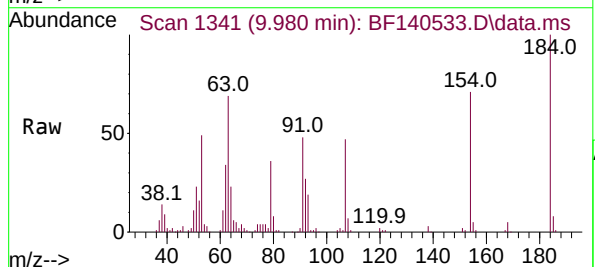
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

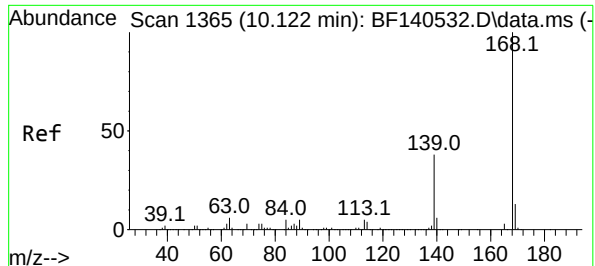
Tgt Ion:138 Resp: 169234
Ion Ratio Lower Upper
138 100
108 10.9 9.2 13.8
92 120.3 100.6 150.8



#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

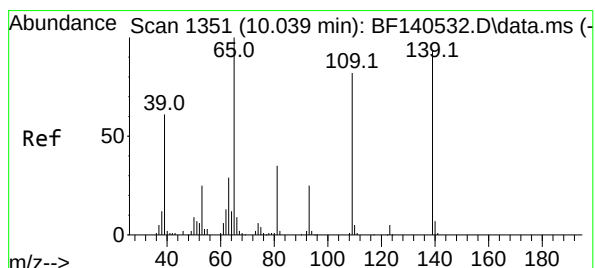
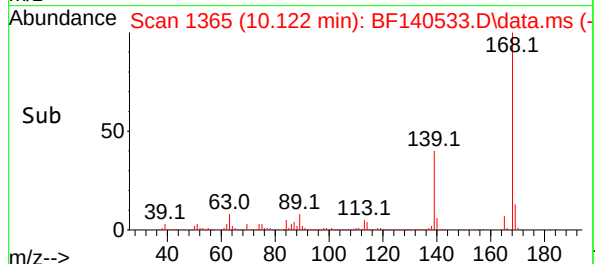
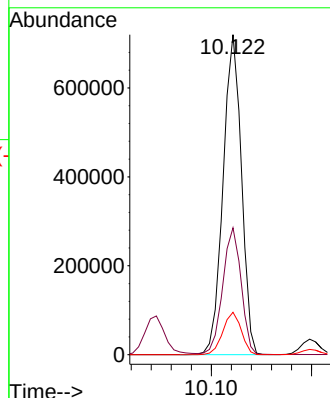
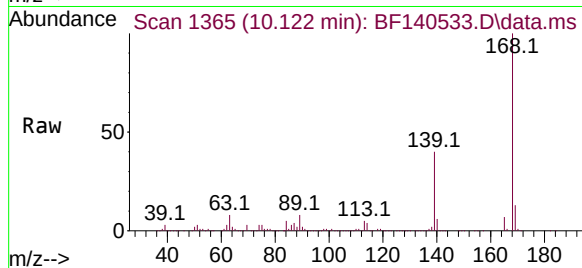
Tgt Ion:168 Resp: 911771

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

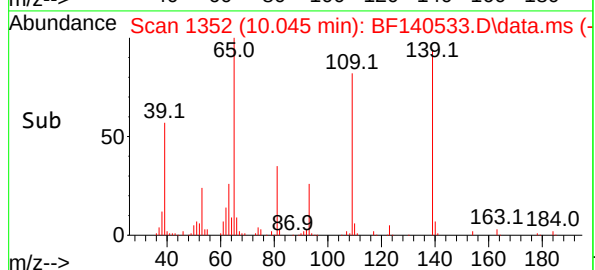
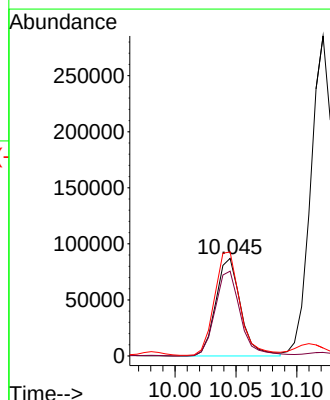
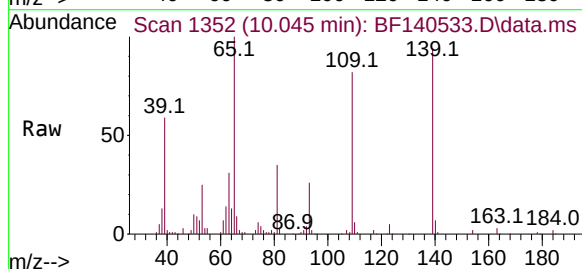
Tgt Ion:139 Resp: 124021

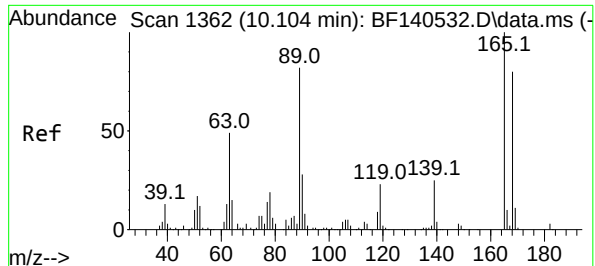
Ion Ratio Lower Upper

139 100

109 87.0 68.4 108.4

65 106.5 88.6 128.6

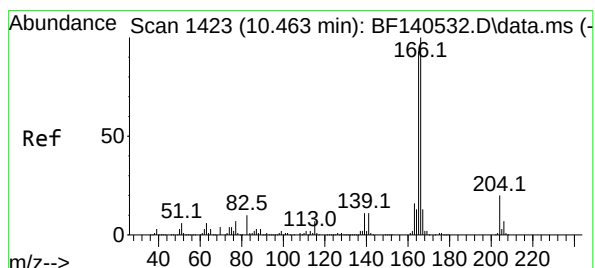
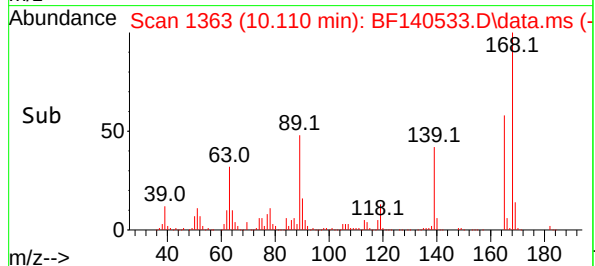
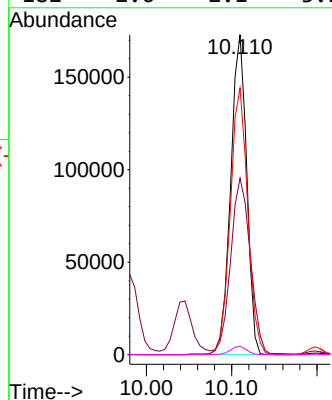
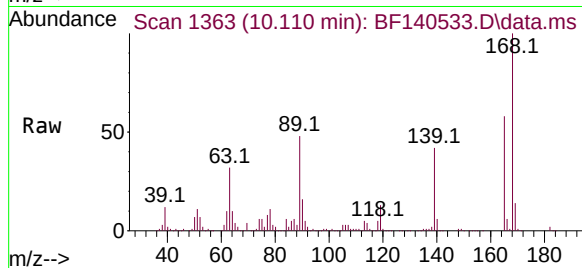




#57
2,4-Dinitrotoluene
Concen: 48.629 ng
RT: 10.110 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

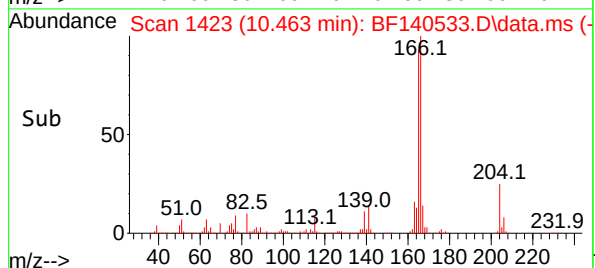
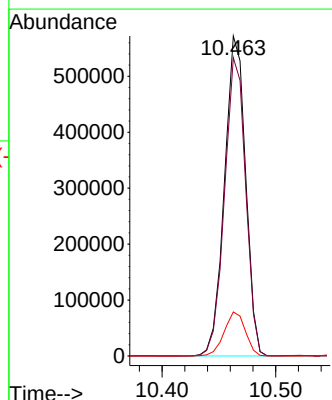
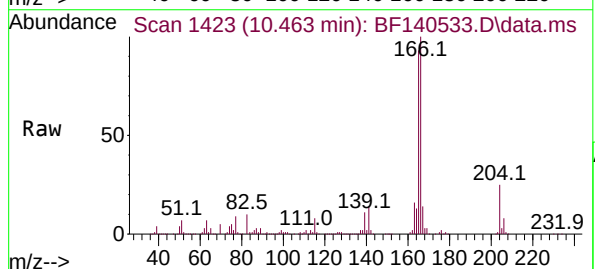
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

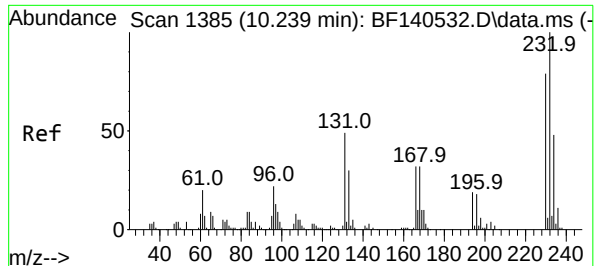
Tgt Ion:165 Resp: 225762
Ion Ratio Lower Upper
165 100
63 55.2 41.7 62.5
89 83.3 65.8 98.8
182 2.6 2.1 3.1



#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

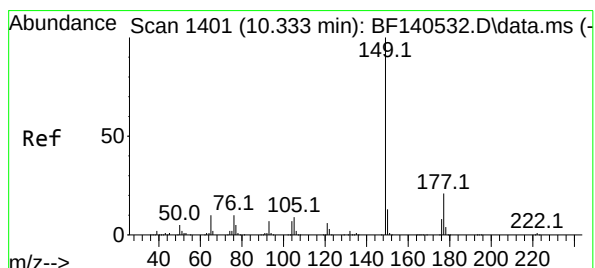
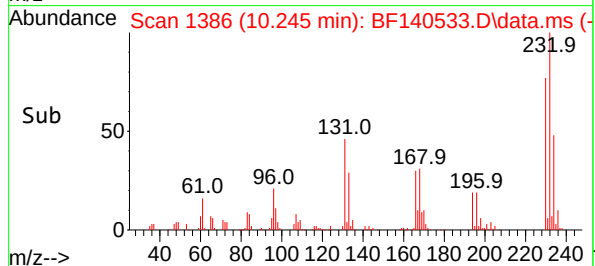
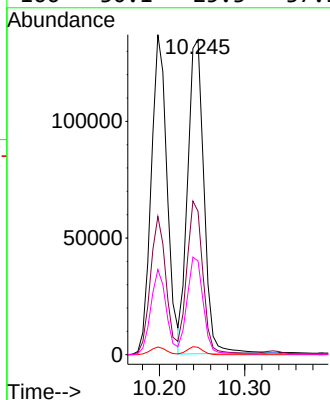
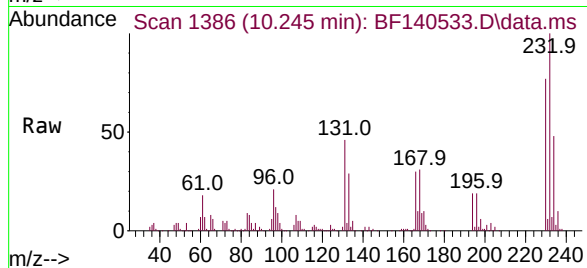




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.828 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

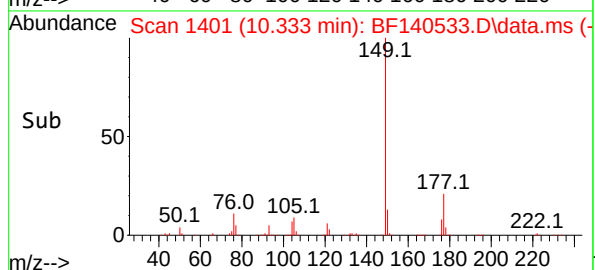
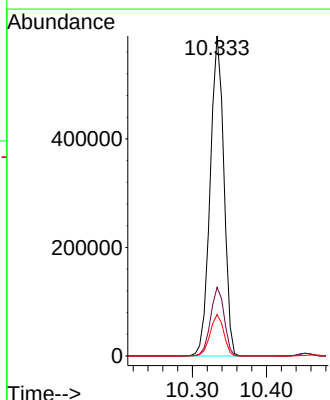
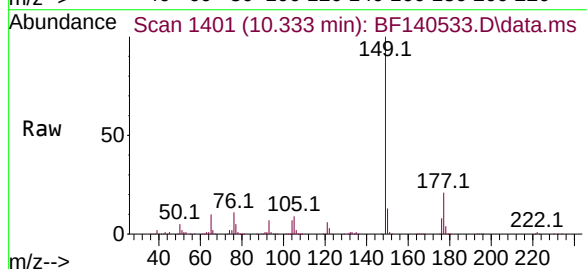
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

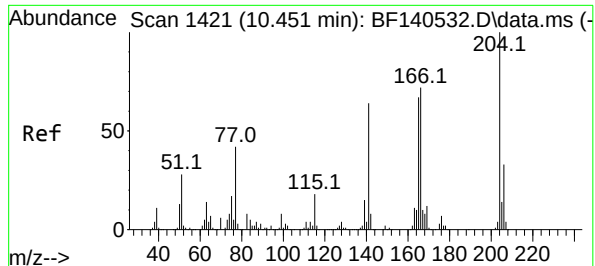
Tgt Ion:232 Resp: 178549
Ion Ratio Lower Upper
232 100
131 47.7 39.6 59.4
130 2.4 1.9 2.9
166 30.1 25.3 37.9



#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

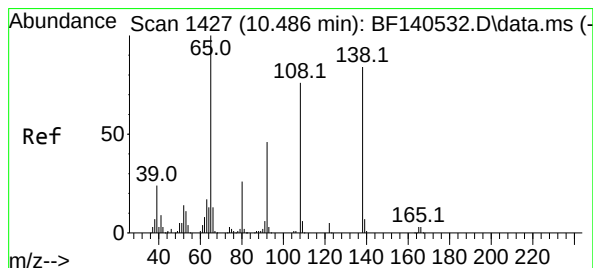
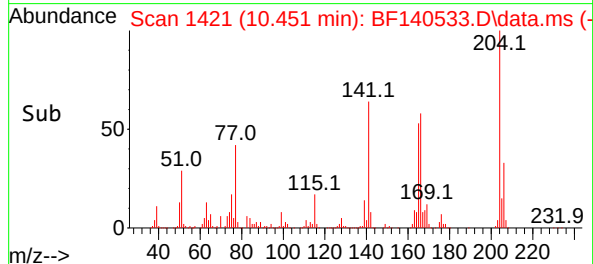
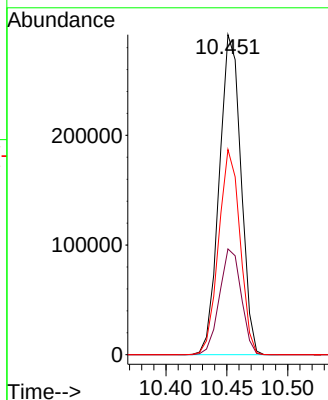
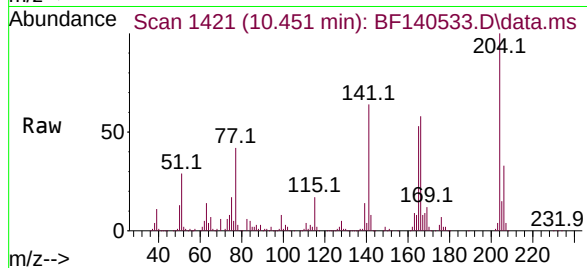




#61
4-Chlorophenyl-phenylether
Concen: 47.414 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

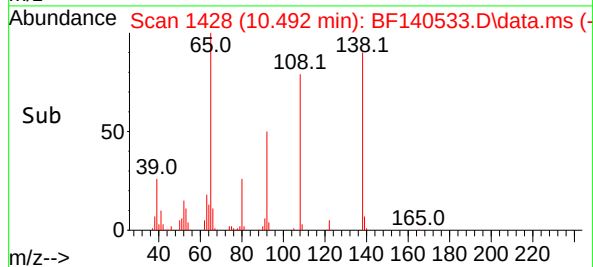
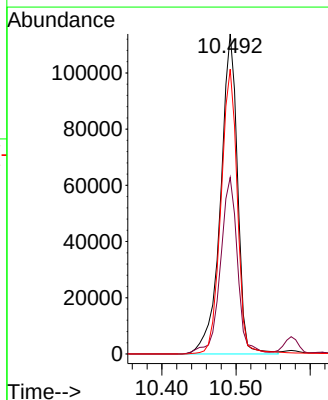
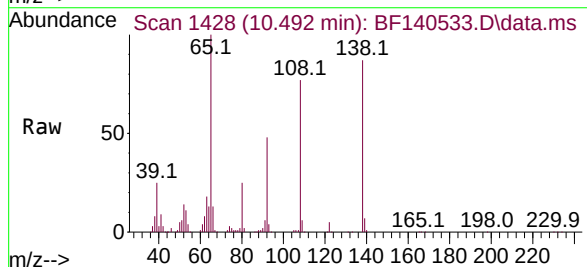
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

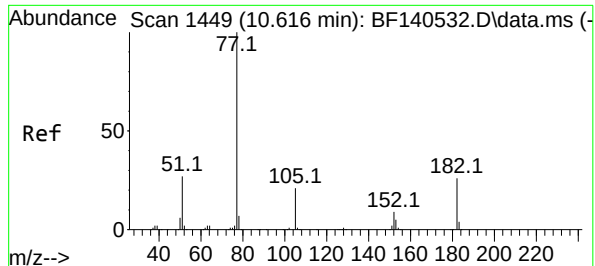
Tgt Ion:204 Resp: 361856
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 64.1 51.1 76.7



#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

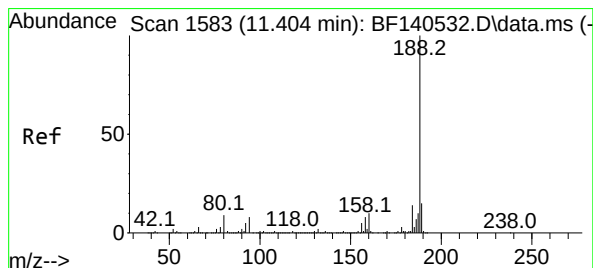
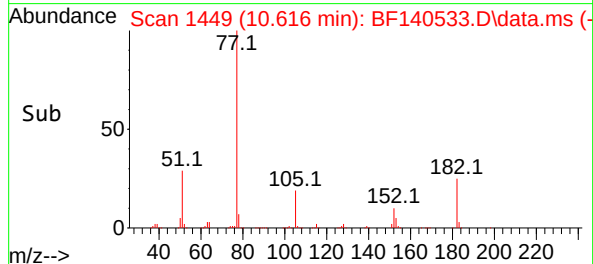
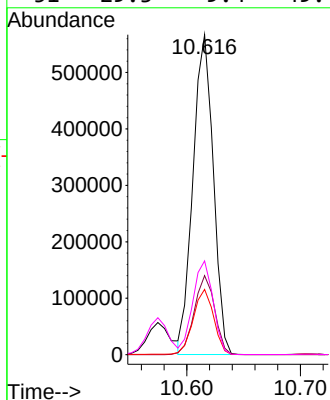
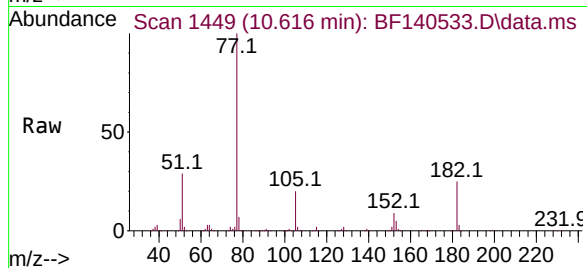




#63
Azobenzene
Concen: 47.529 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

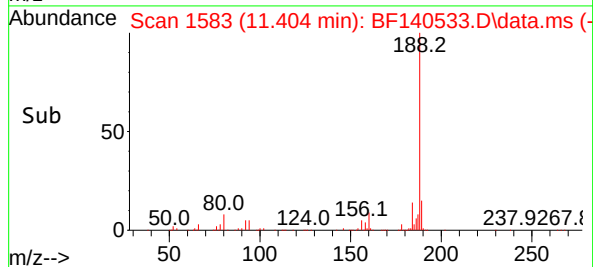
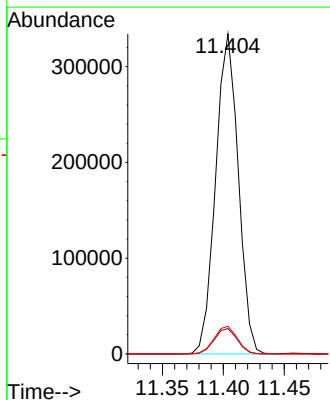
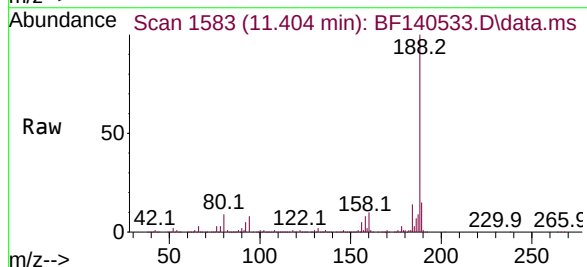
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

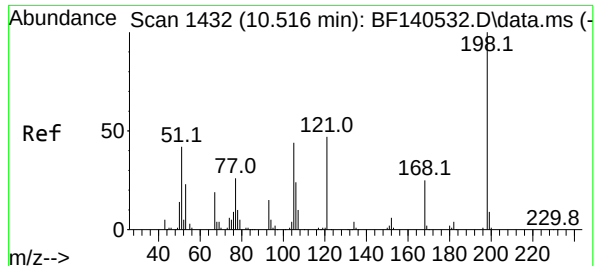
Tgt Ion: 77 Resp: 704370
Ion Ratio Lower Upper
77 100
182 24.7 5.3 45.3
105 20.4 0.3 40.3
51 29.3 9.4 49.4



#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

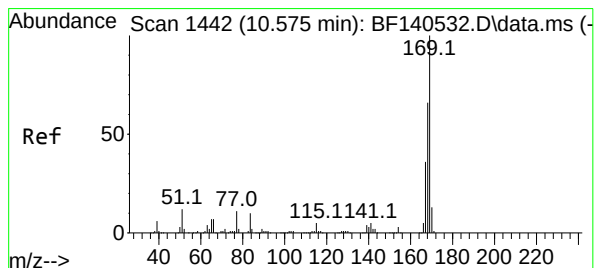
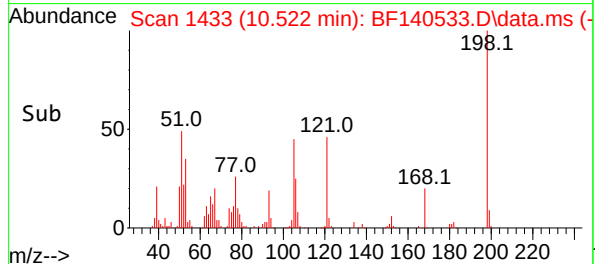
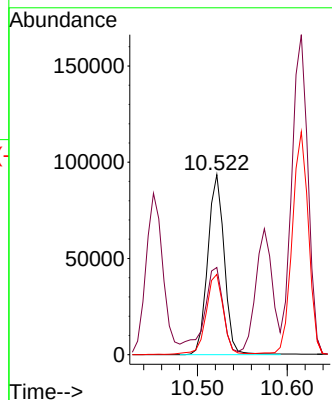
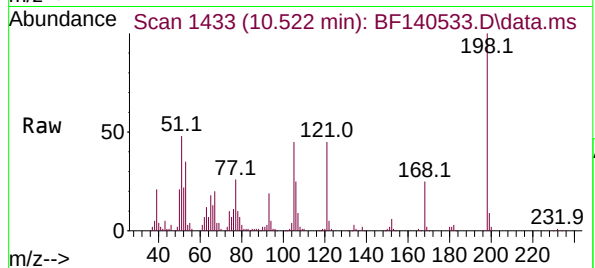




#65
4,6-Dinitro-2-methylphenol
Concen: 53.947 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

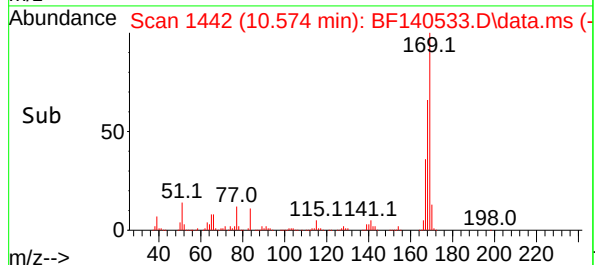
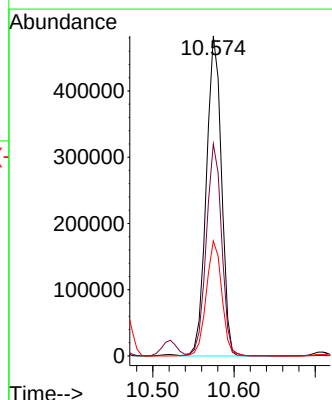
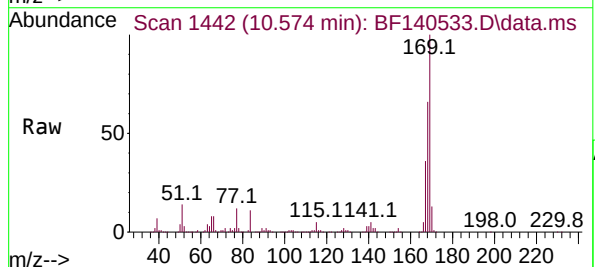
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

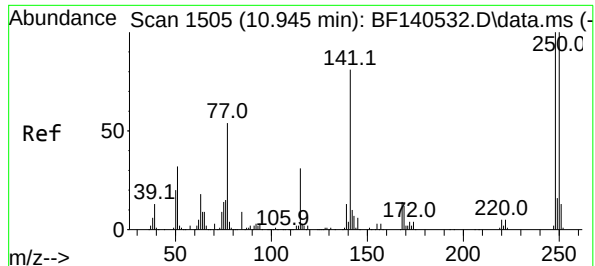
Tgt Ion:198 Resp: 119290
Ion Ratio Lower Upper
198 100
51 48.5 29.4 69.4
105 44.6 25.4 65.4



#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

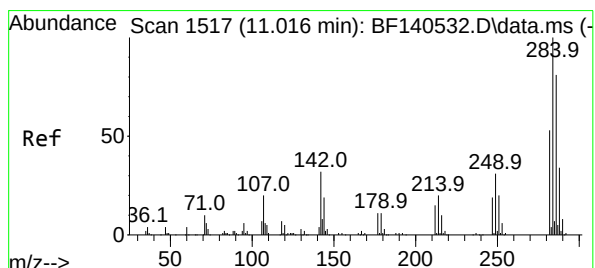
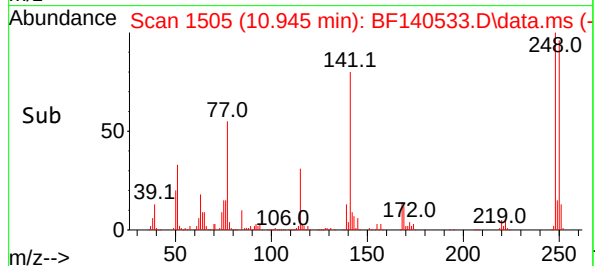
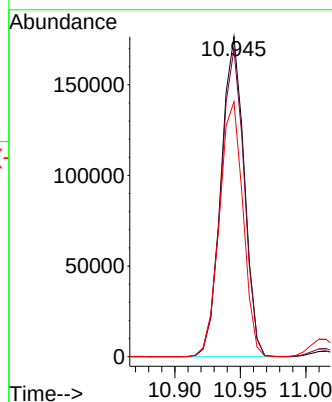
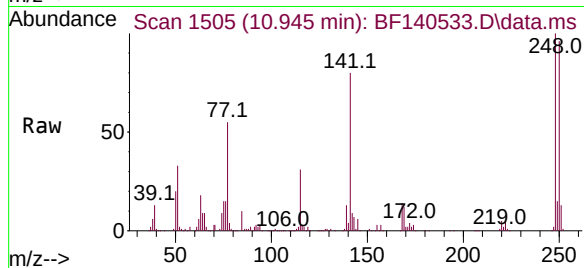




#67
4-Bromophenyl-phenylether
Concen: 48.587 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

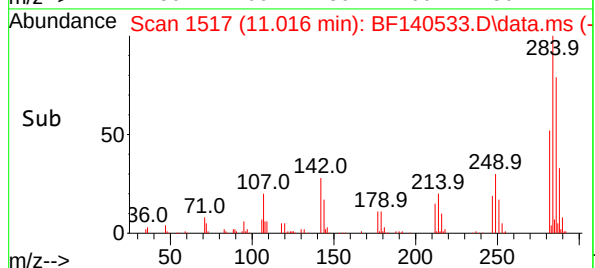
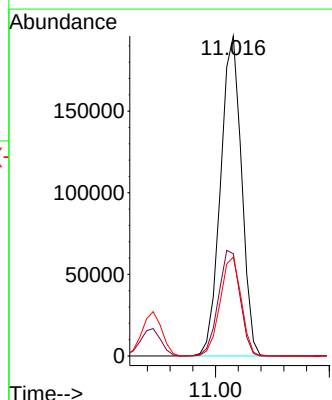
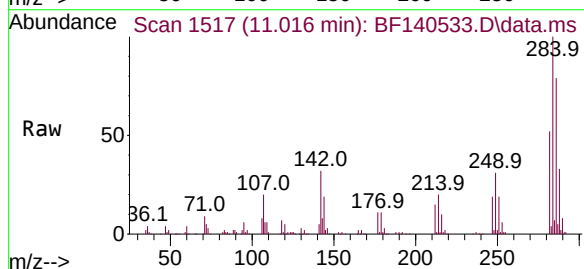
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

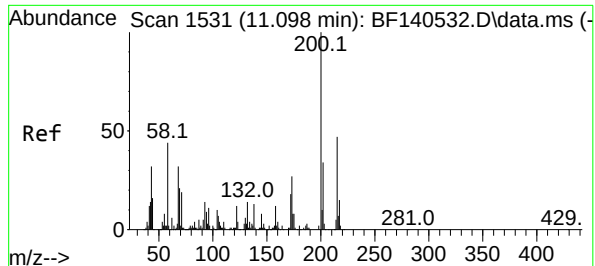
Tgt Ion:248 Resp: 216523
Ion Ratio Lower Upper
248 100
250 96.1 79.8 119.8
141 79.7 64.7 97.1



#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

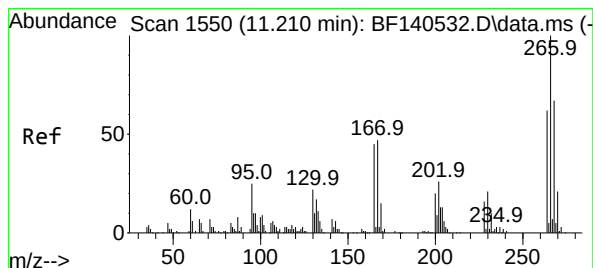
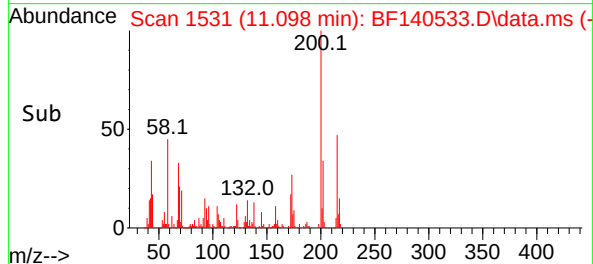
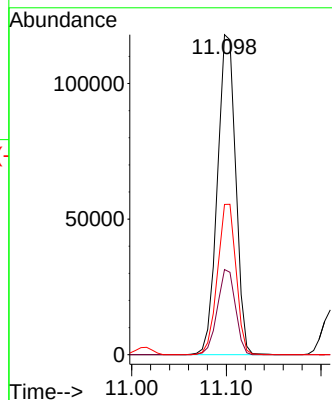
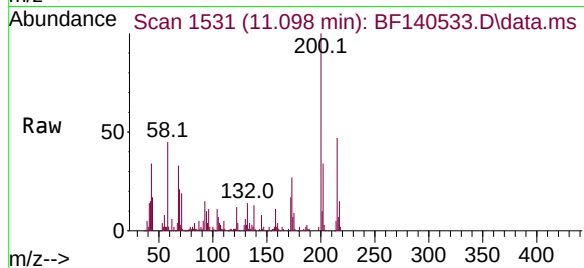




#69
Atrazine
Concen: 44.180 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

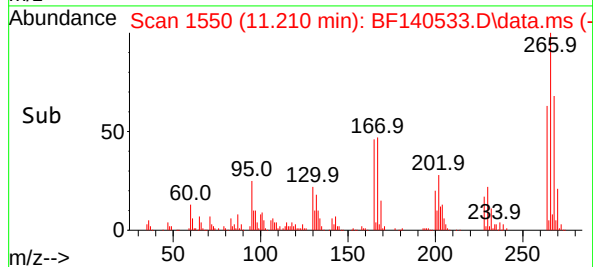
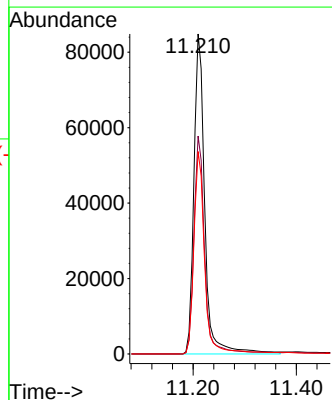
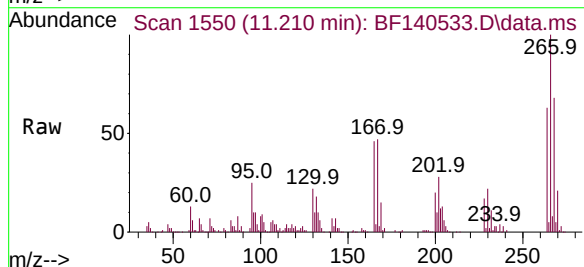
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

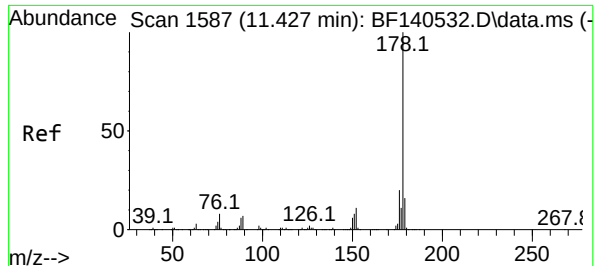
Tgt Ion:200 Resp: 159048
Ion Ratio Lower Upper
200 100
173 26.6 7.0 47.0
215 46.9 26.7 66.7



#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

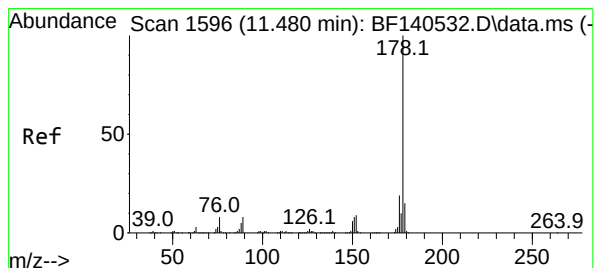
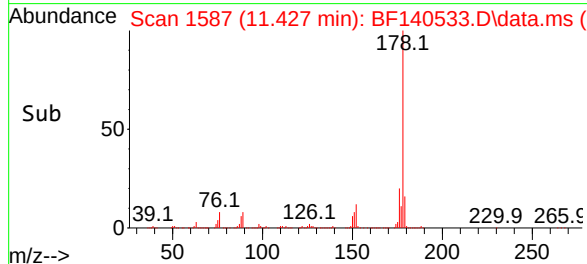
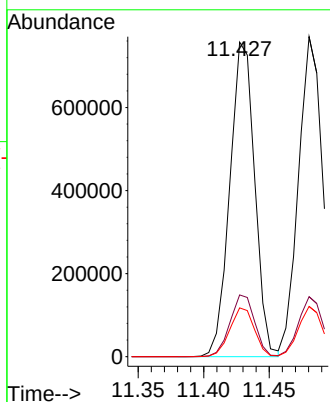
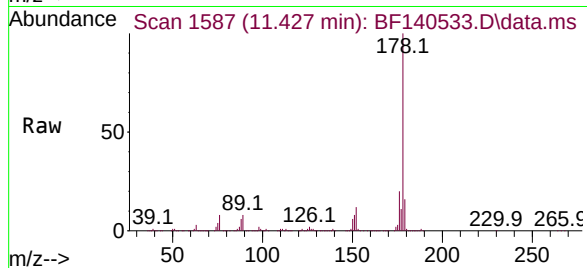




#71
Phenanthrene
Concen: 48.118 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

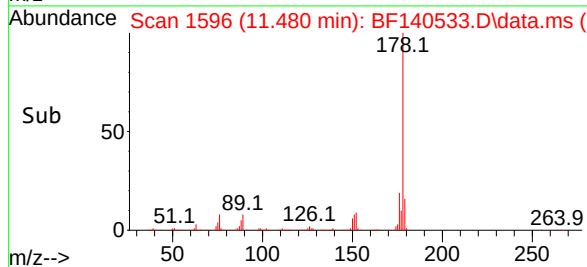
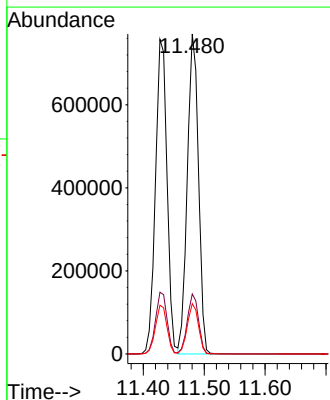
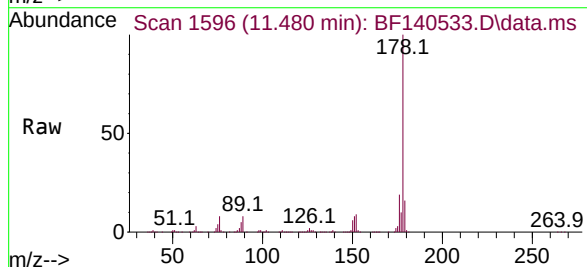
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

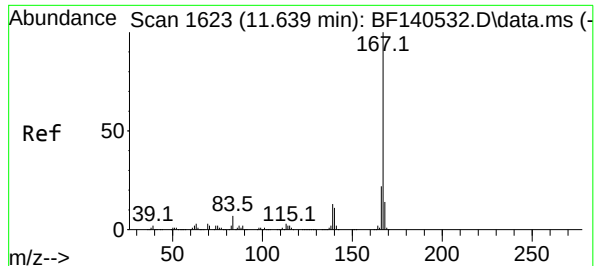
Tgt Ion:178 Resp: 1000897
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.5 12.4 18.6



#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

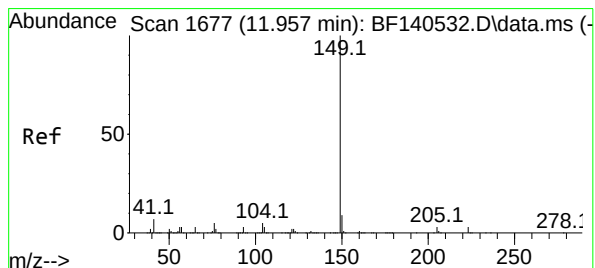
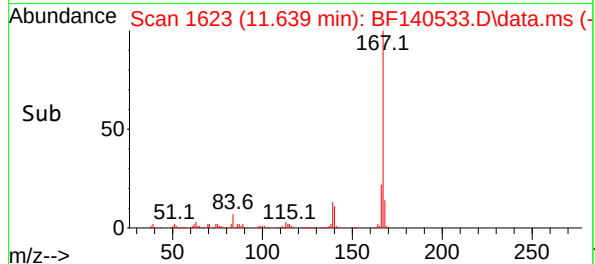
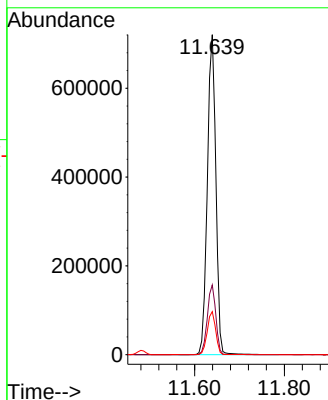
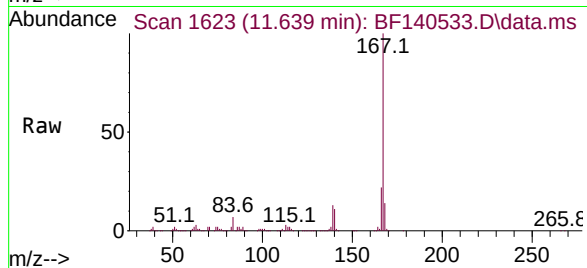




#73
Carbazole
Concen: 48.436 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

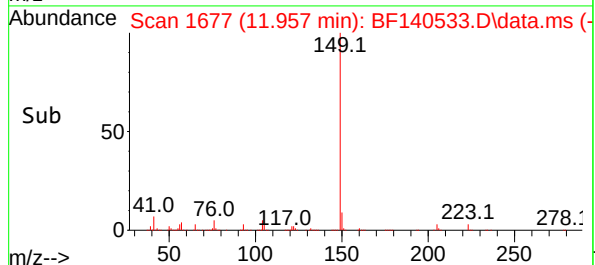
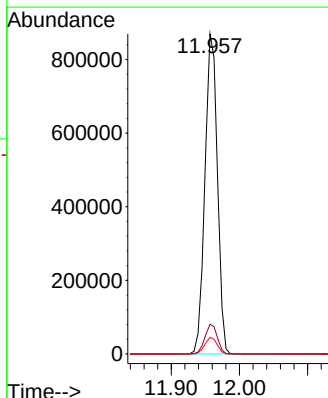
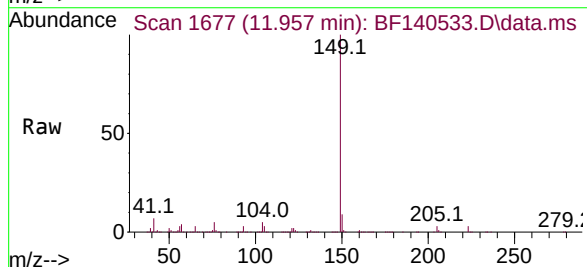
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

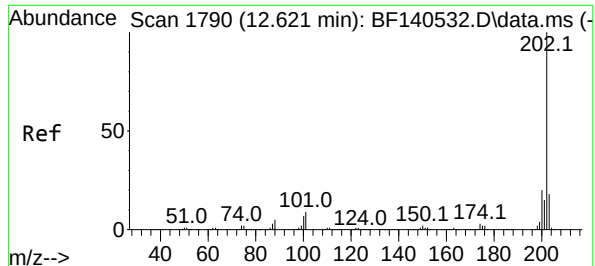
Tgt Ion:167 Resp: 948090
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 13.5 10.6 15.8



#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

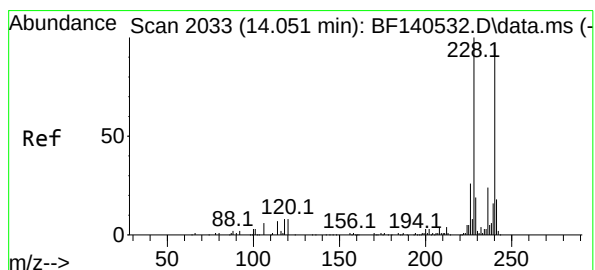
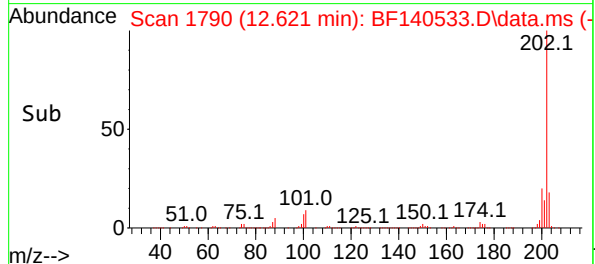
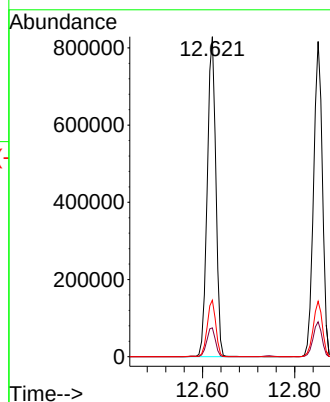
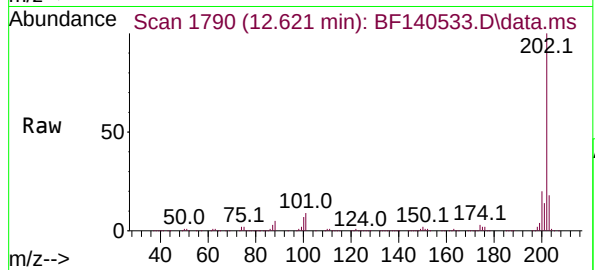




#75
Fluoranthene
Concen: 47.849 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

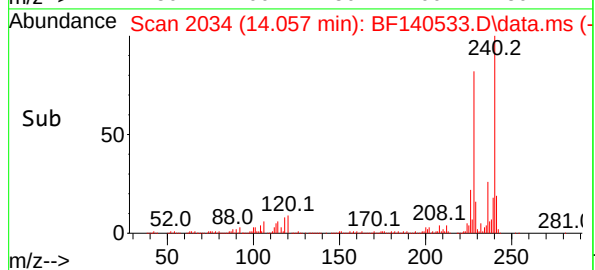
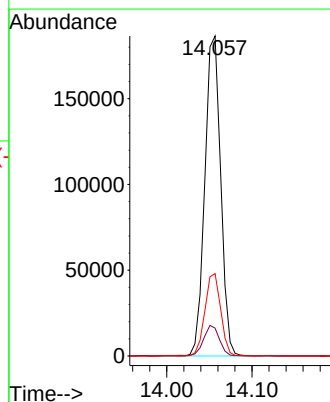
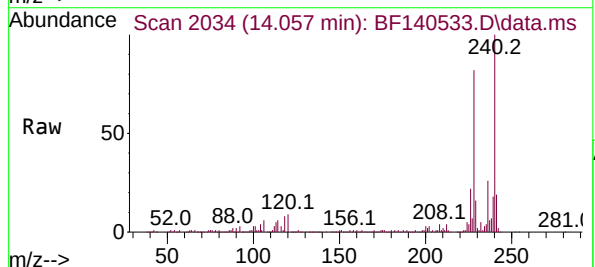
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

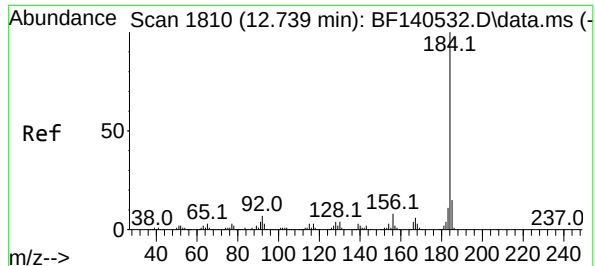
Tgt Ion:202 Resp: 1080641
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.9
203 17.7 0.0 37.6



#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 :

SSTDIC050

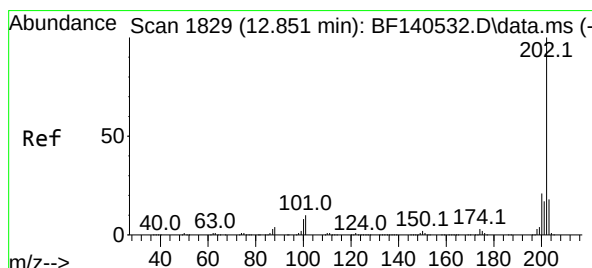
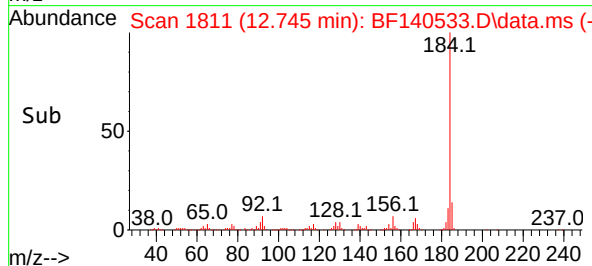
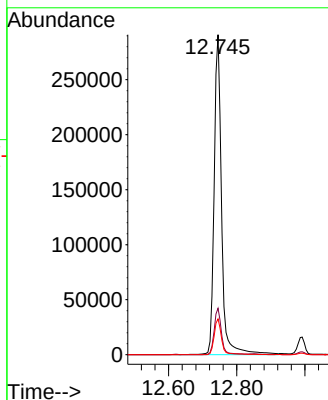
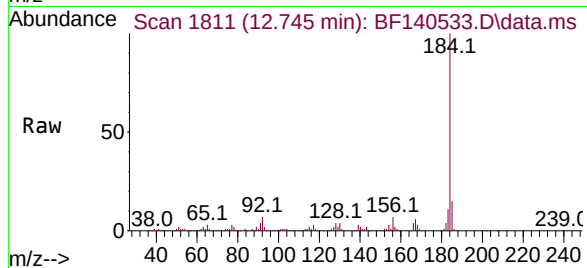
Tgt Ion:184 Resp: 442856

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

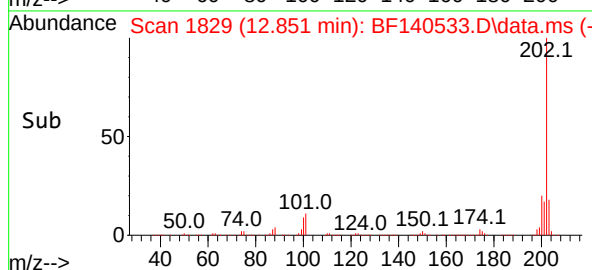
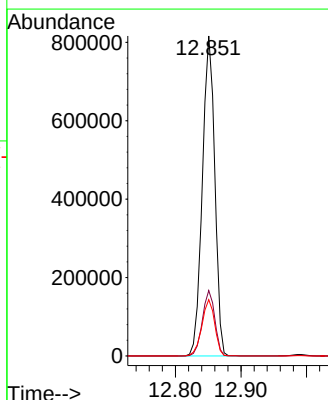
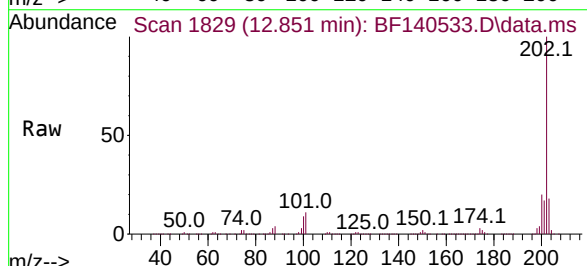
Tgt Ion:202 Resp: 1080149

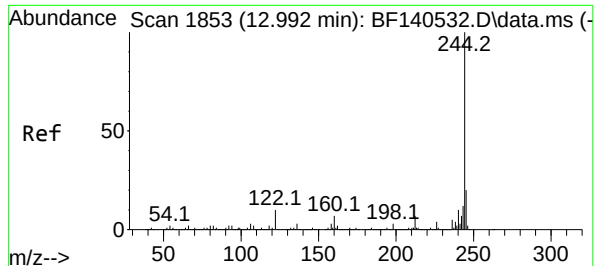
Ion Ratio Lower Upper

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

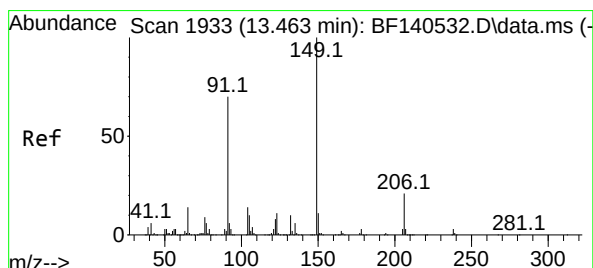
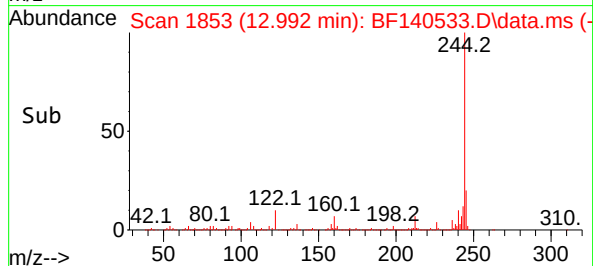
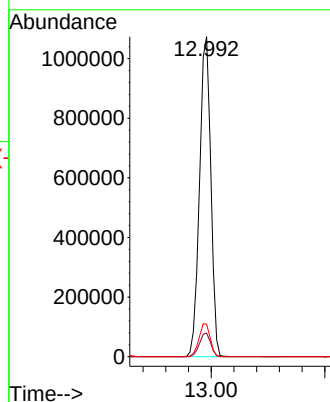
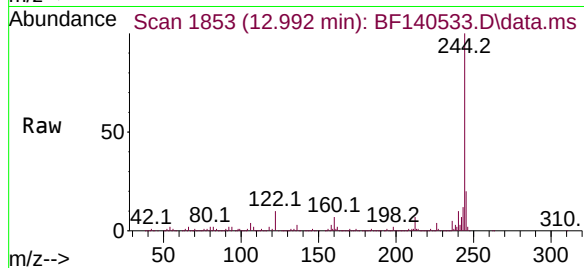
Tgt Ion:244 Resp: 1481875

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

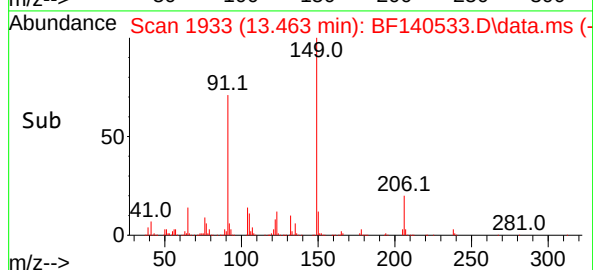
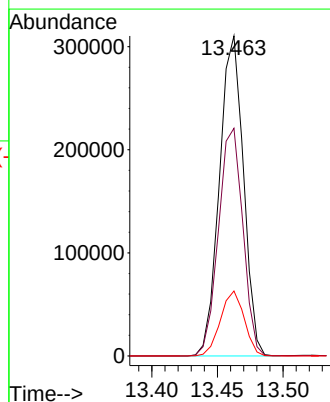
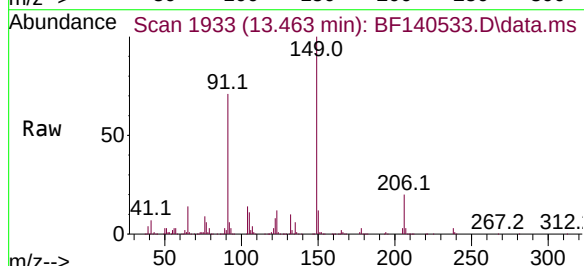
Tgt Ion:149 Resp: 394867

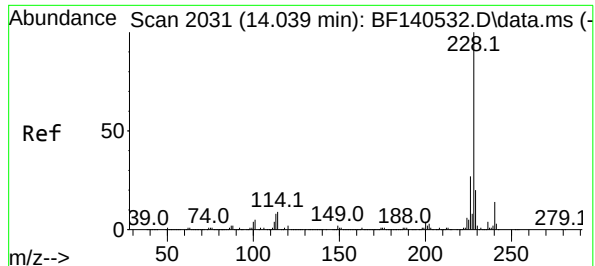
Ion Ratio Lower Upper

149 100

91 71.1 56.2 84.2

206 20.3 16.4 24.6

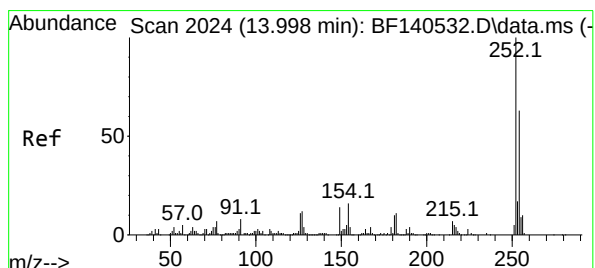
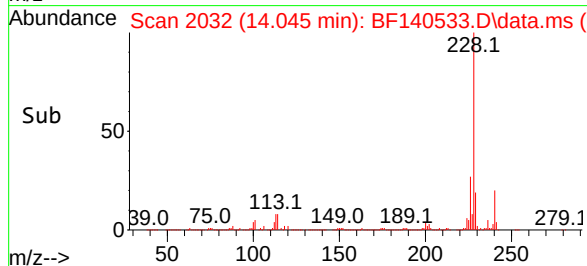
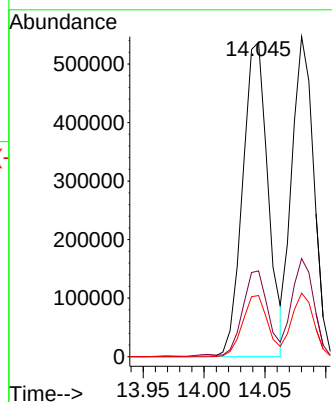
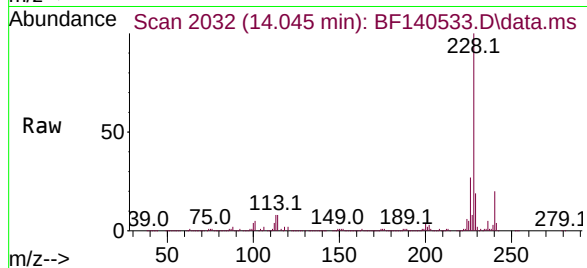




#81
Benzo(a)anthracene
Concen: 48.892 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

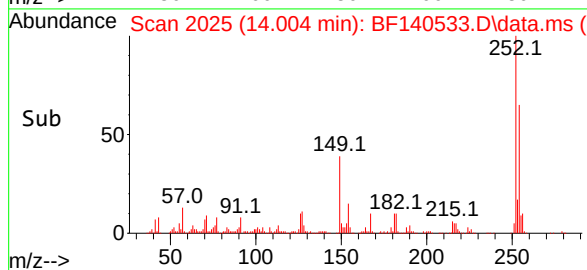
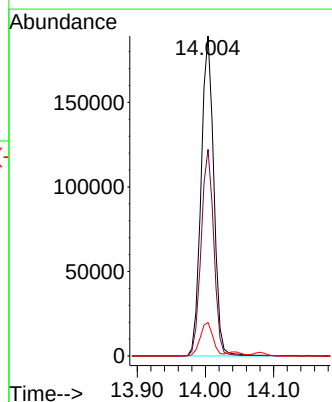
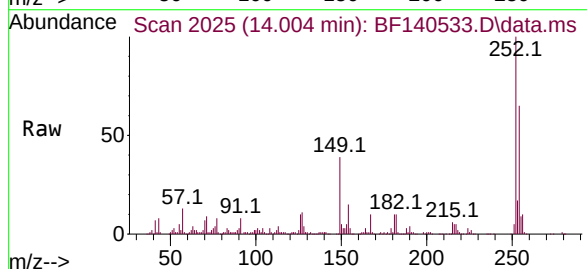
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

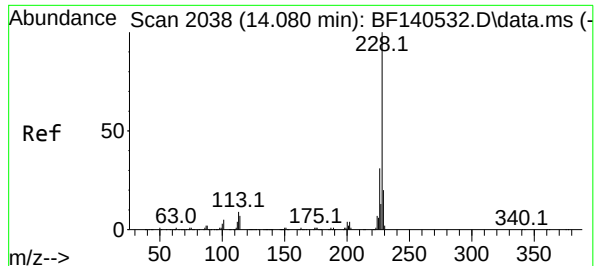
Tgt Ion:228 Resp: 780853
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.5 15.8 23.6



#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

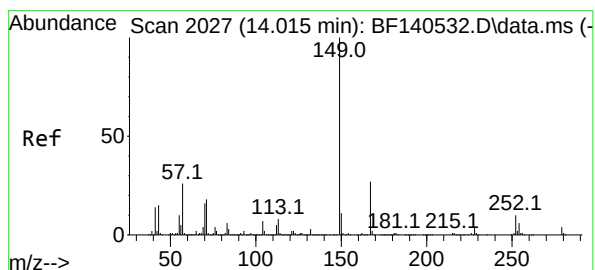
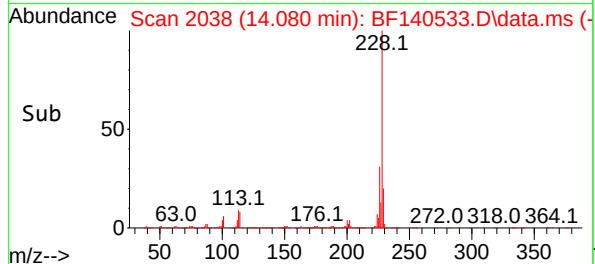
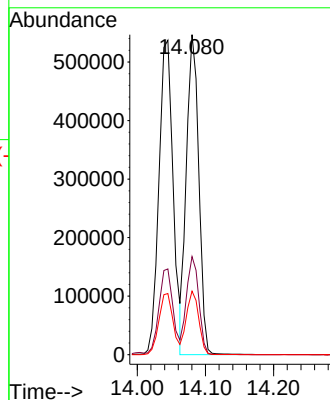
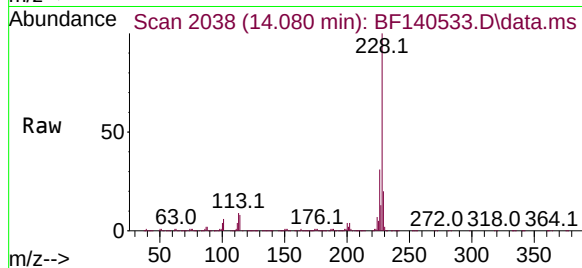




#83
Chrysene
Concen: 46.964 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

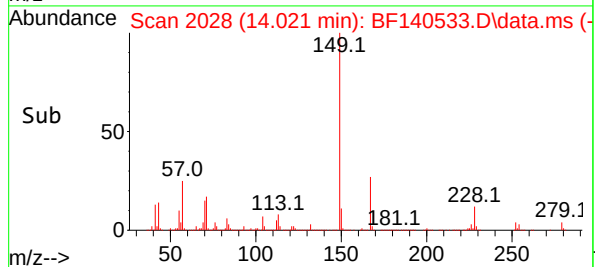
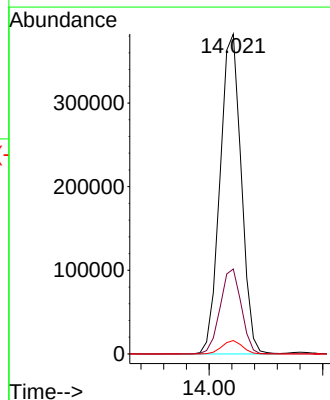
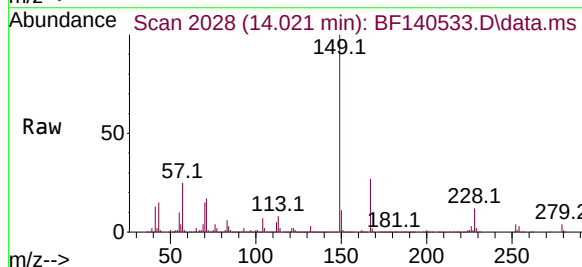
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

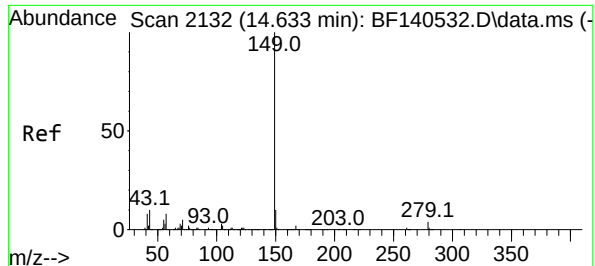
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	19.8	15.8	23.6



#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	Ratio	Lower	Upper
149	100		
167	26.5	21.2	31.8
279	4.2	3.2	4.8

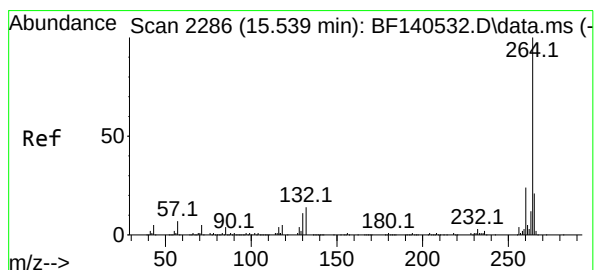
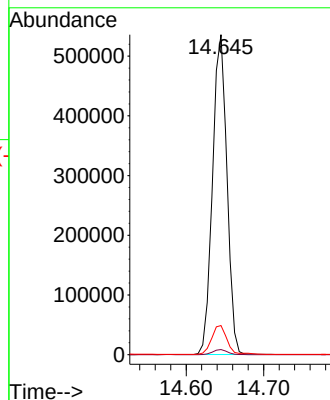
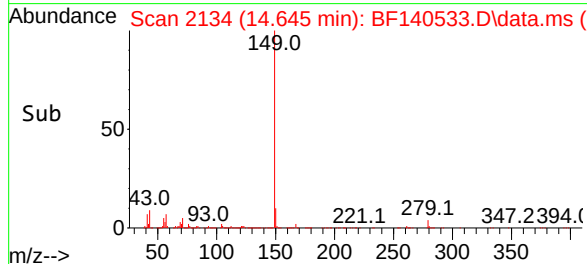
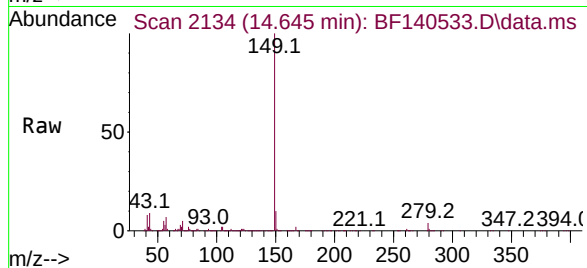




#85
Di-n-octyl phthalate
Concen: 49.901 ng
RT: 14.645 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

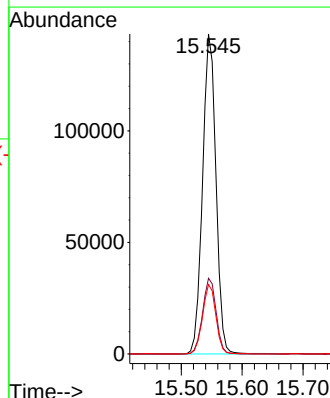
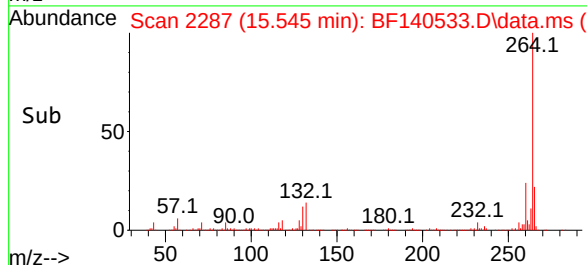
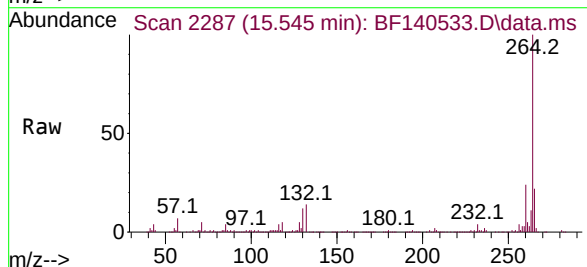
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

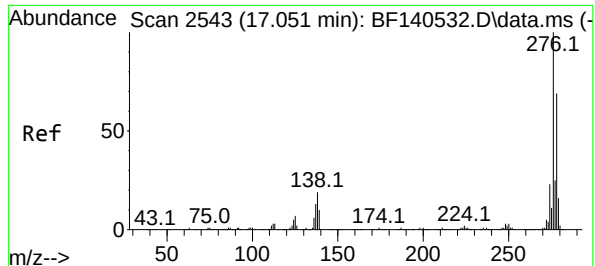
Tgt Ion:149 Resp: 692020
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.7 11.5



#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

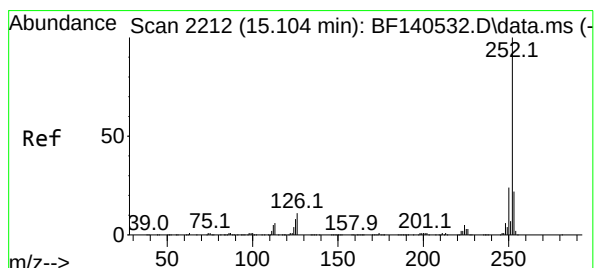
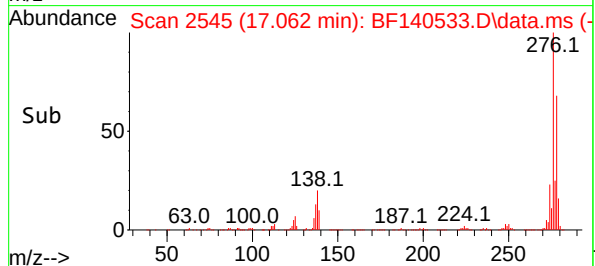
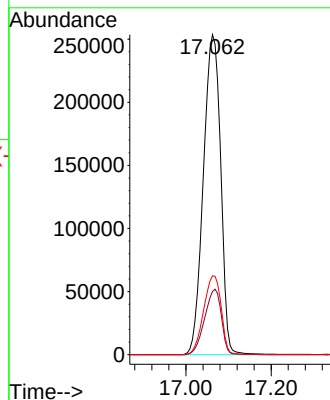
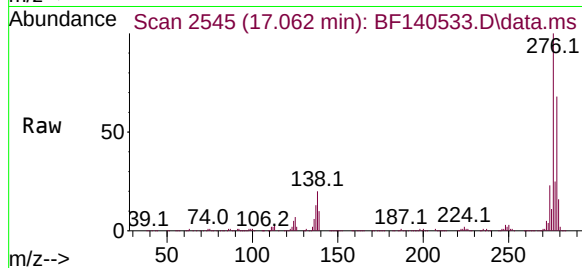
Tgt Ion:276 Resp: 715720

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

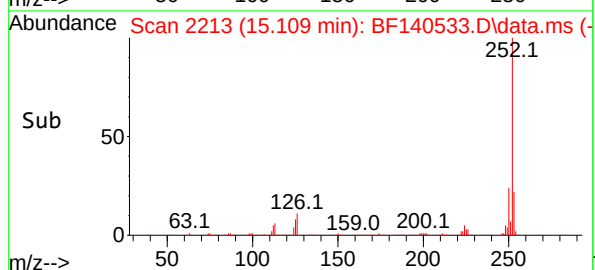
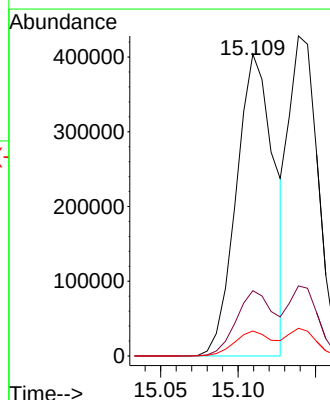
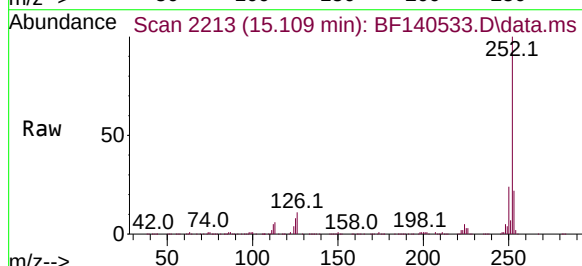
Tgt Ion:252 Resp: 683919

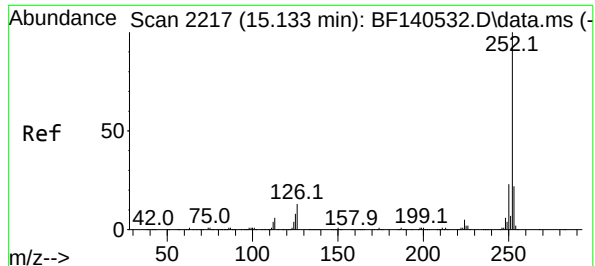
Ion Ratio Lower Upper

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

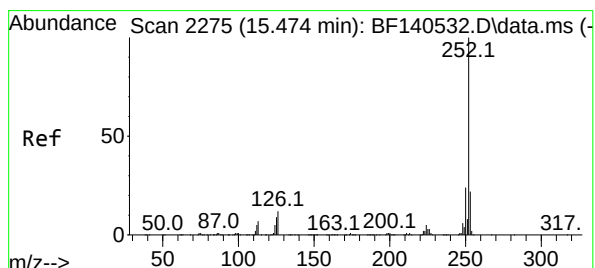
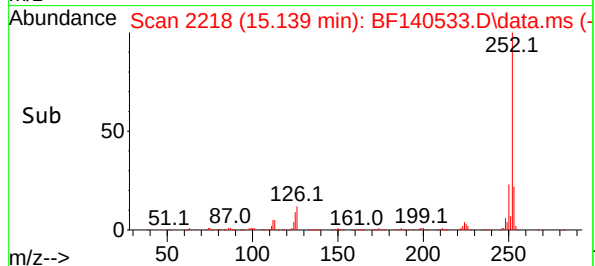
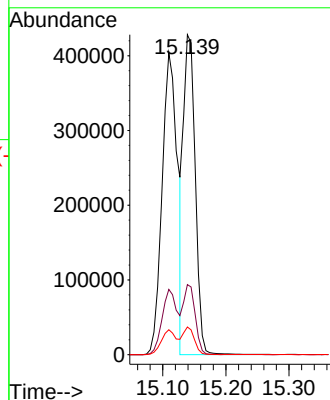
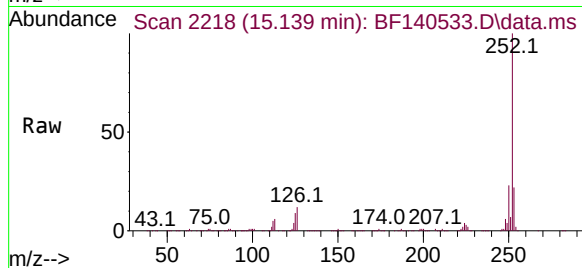
Tgt Ion:252 Resp: 559704

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

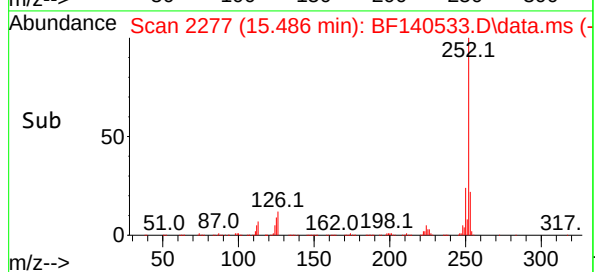
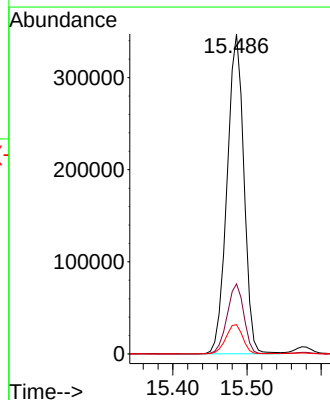
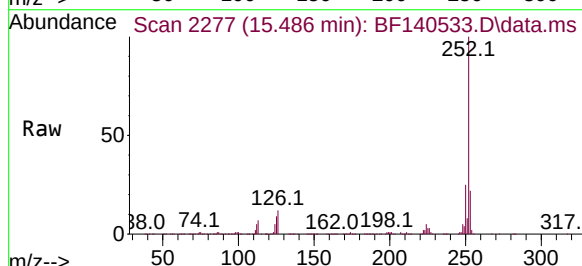
Tgt Ion:252 Resp: 546539

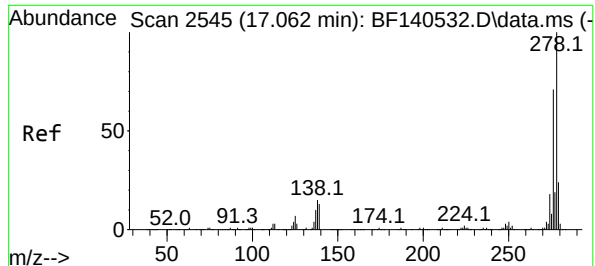
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 9.1 7.0 10.6

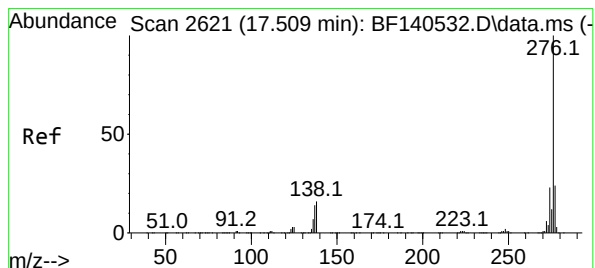
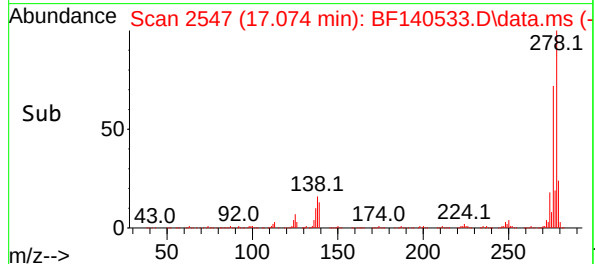
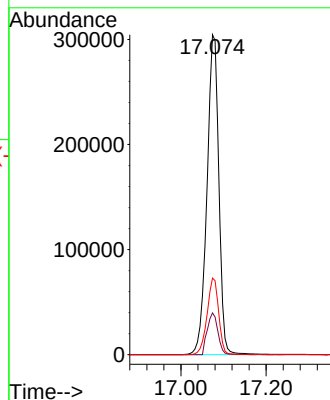
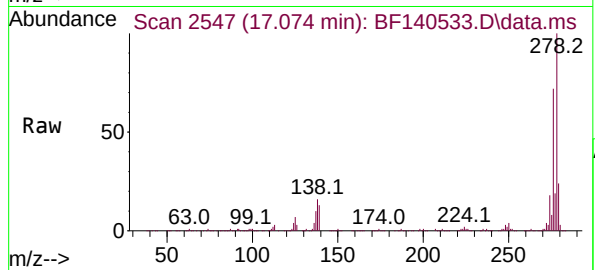




#91
Dibenzo(a,h)anthracene
Concen: 50.339 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF140533.D
Acq: 21 Nov 2024 13:25

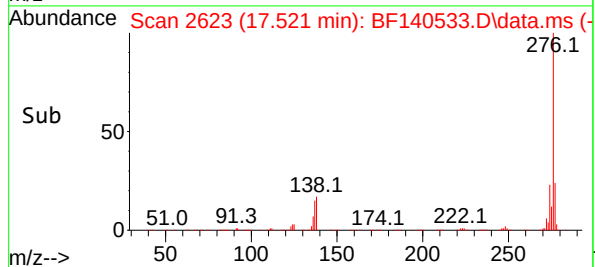
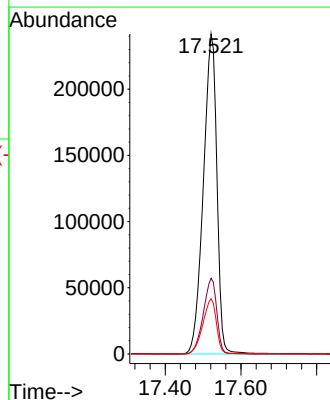
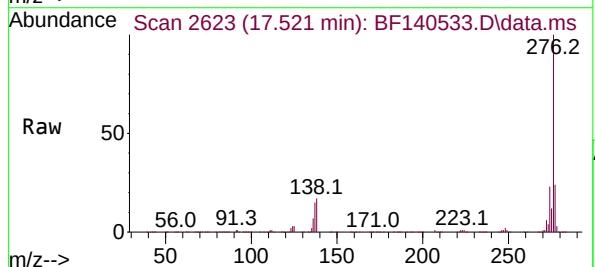
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

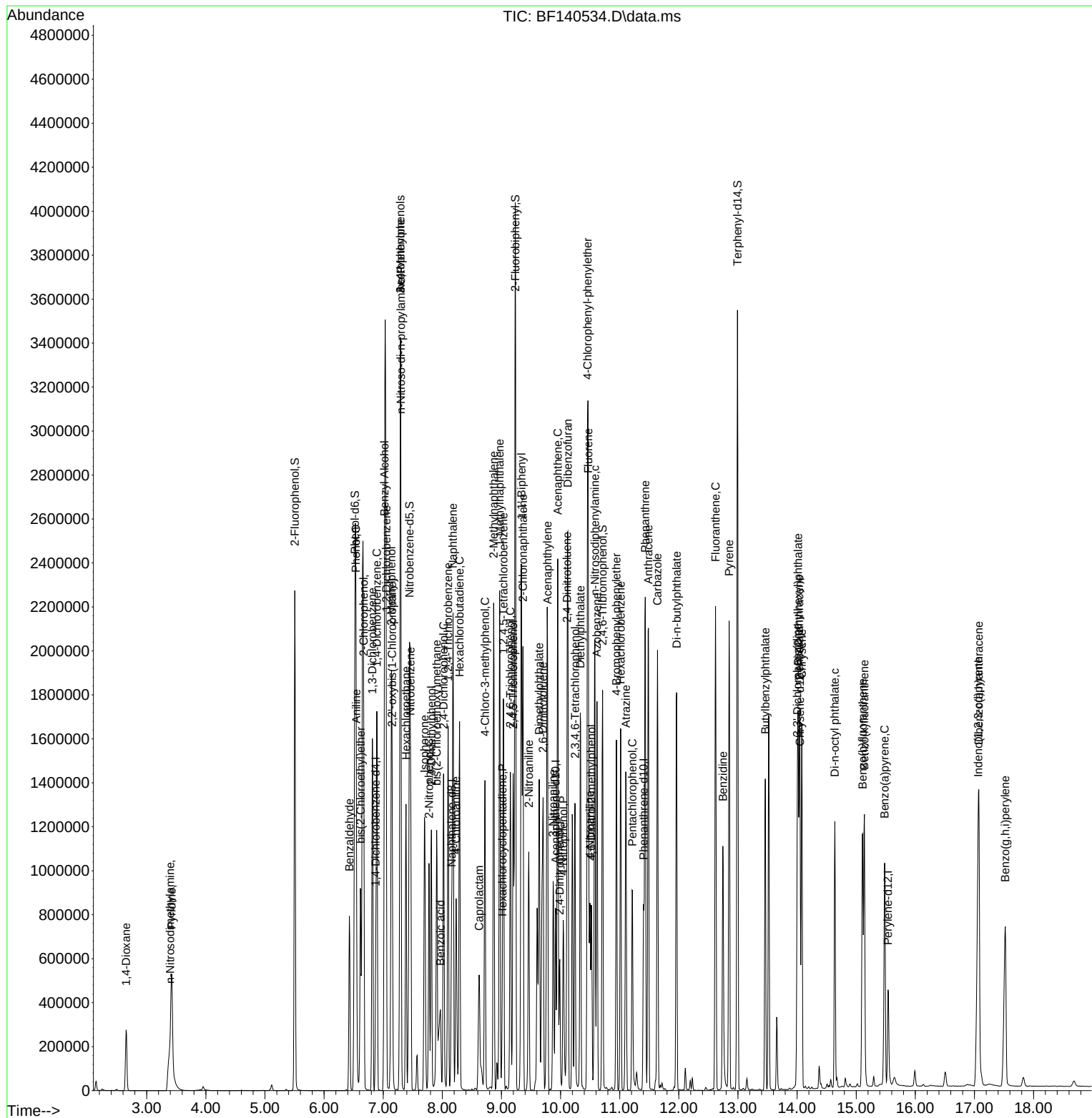
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	300029	59.694	ng	98
46) 1,1'-Biphenyl	9.339	154	1072474	56.978	ng	99
47) 2-Chloronaphthalene	9.363	162	819966	57.492	ng	99
48) 2-Nitroaniline	9.463	65	269813	58.938	ng	96
49) Acenaphthylene	9.780	152	1227568	56.965	ng	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

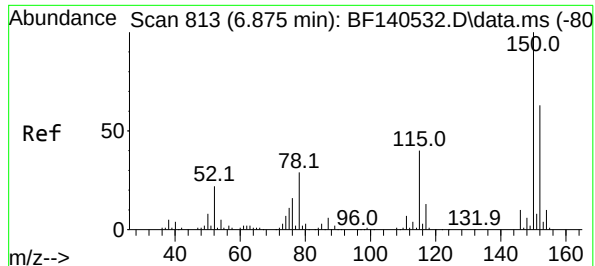
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

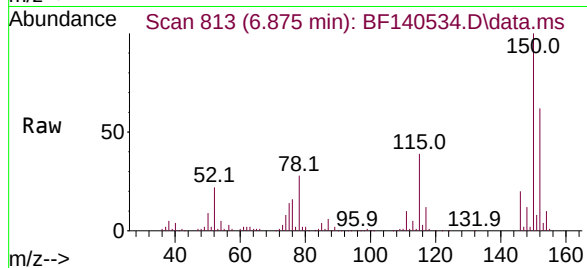
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



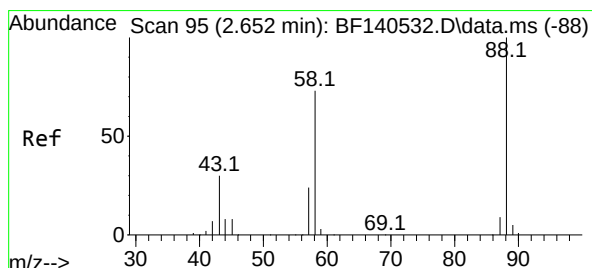
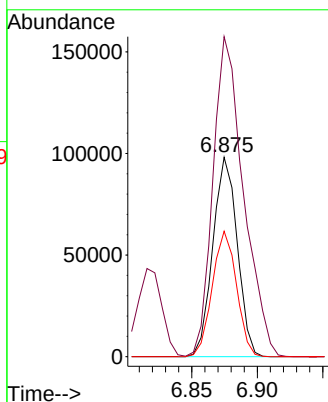
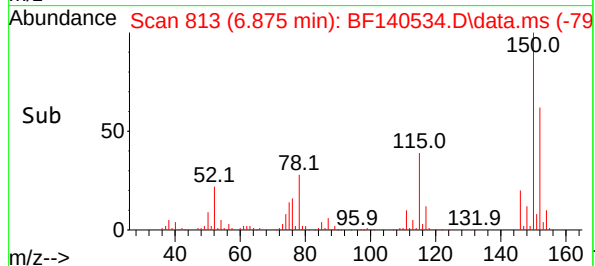


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

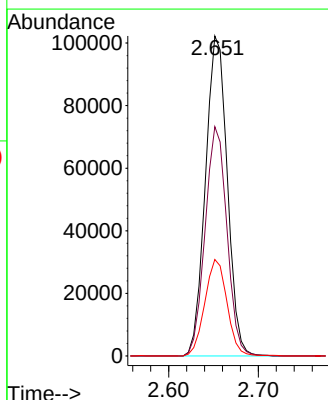
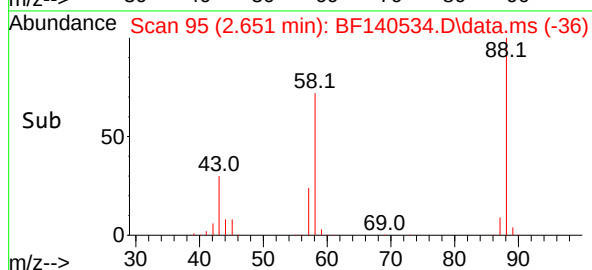
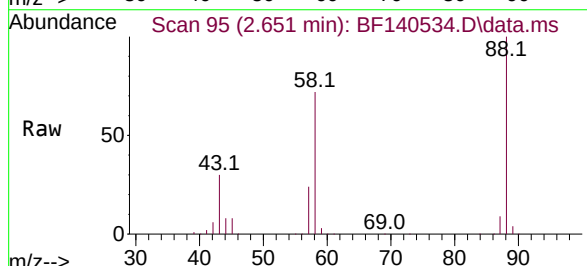


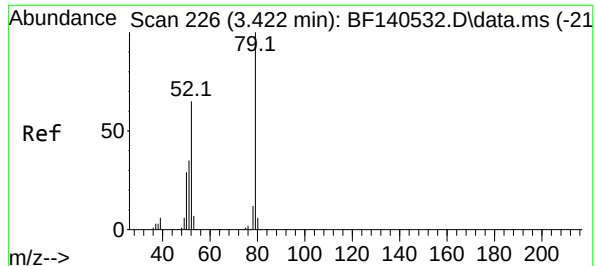
Tgt Ion:152 Resp: 126992
Ion Ratio Lower Upper
152 100
150 160.5 128.5 192.7
115 62.9 50.2 75.4



#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

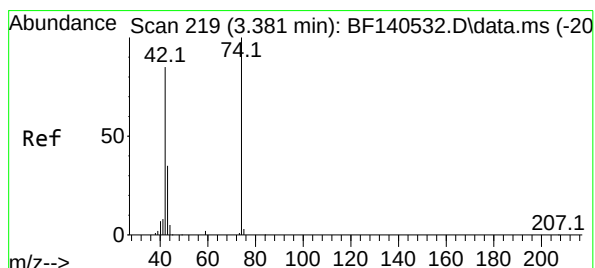
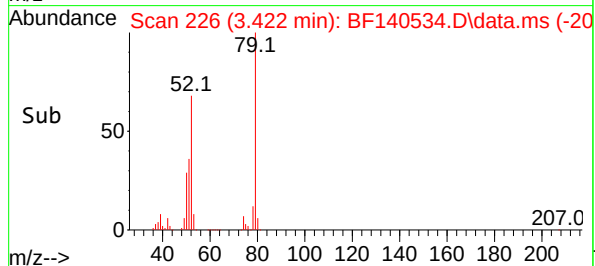
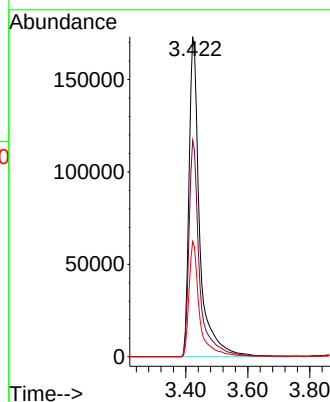
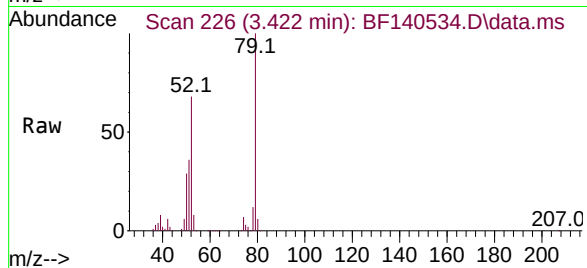
Tgt Ion: 79 Resp: 414269

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

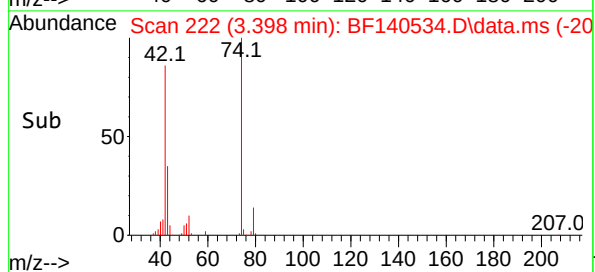
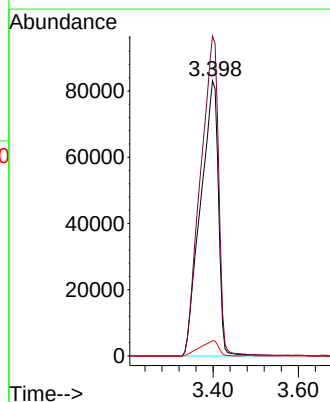
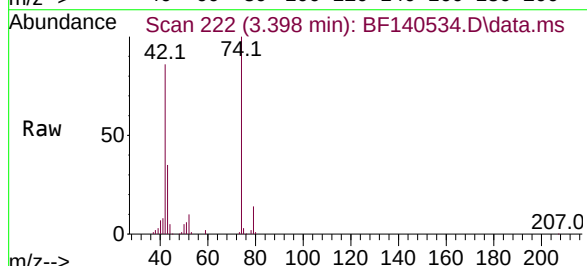
Tgt Ion: 42 Resp: 240667

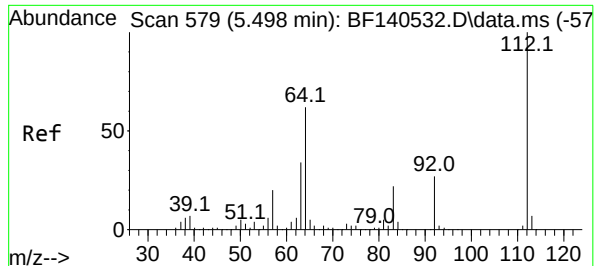
Ion Ratio Lower Upper

42 100

74 116.3 93.8 140.6

44 5.6 4.6 6.8

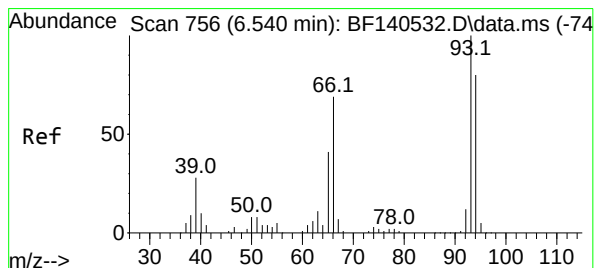
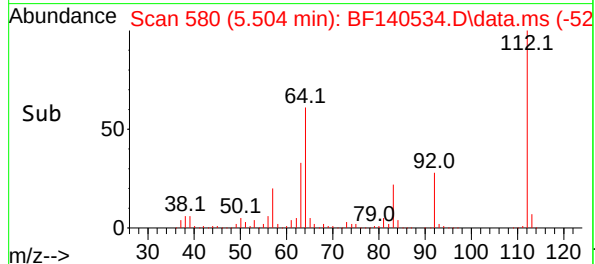
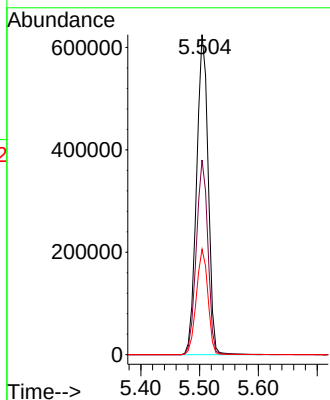
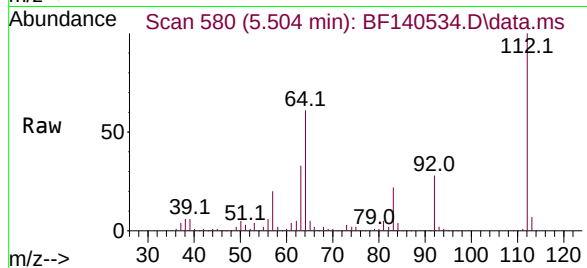




#5
2-Fluorophenol
Concen: 115.348 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

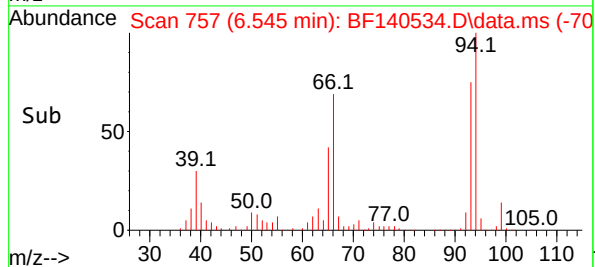
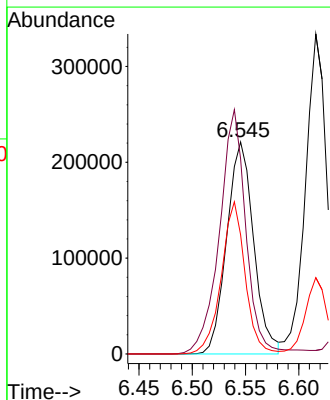
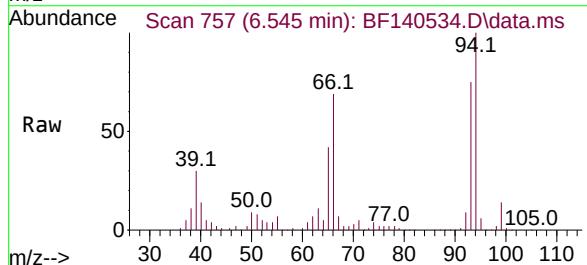
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

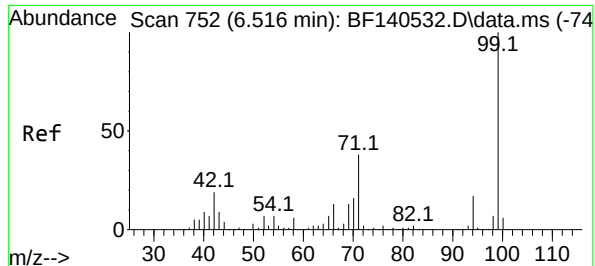
Tgt Ion:112 Resp: 858529
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 32.9 27.0 40.4



#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#

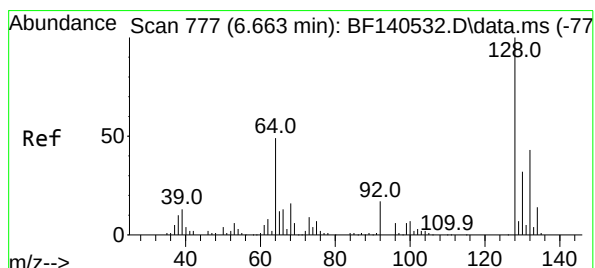
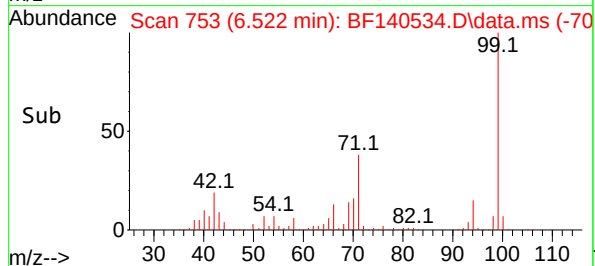
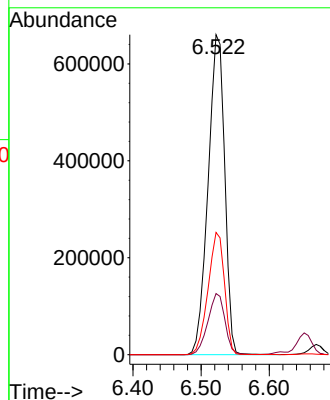
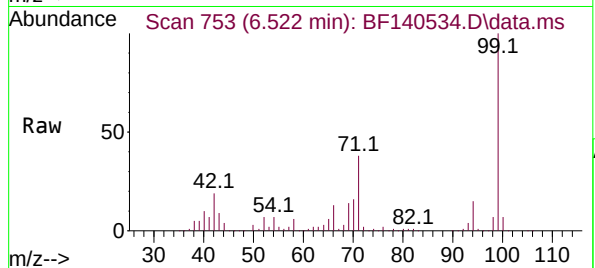




#7
Phenol-d6
Concen: 113.799 ng
RT: 6.522 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

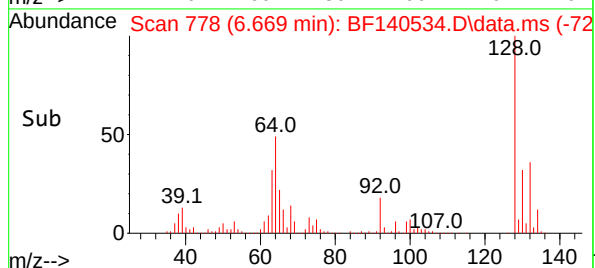
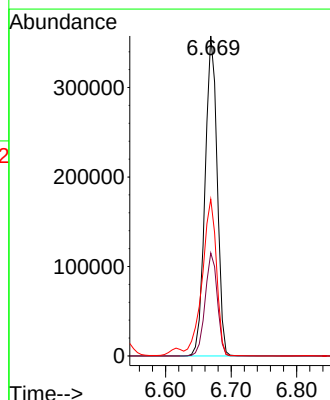
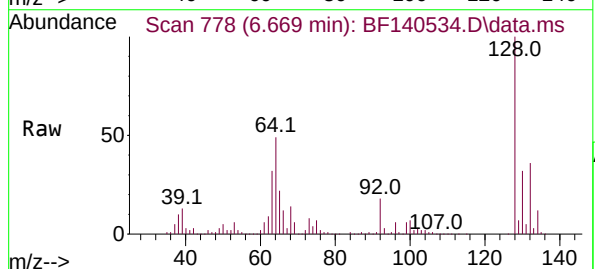
Instrument :
BNA_F
ClientSampleId :
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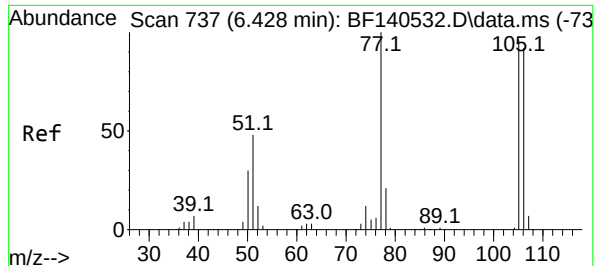
Tgt Ion: 99 Resp: 1119751
Ion Ratio Lower Upper
99 100
42 19.1 15.4 23.0
71 38.2 30.6 46.0



#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

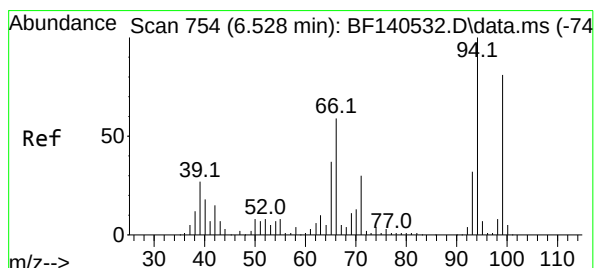
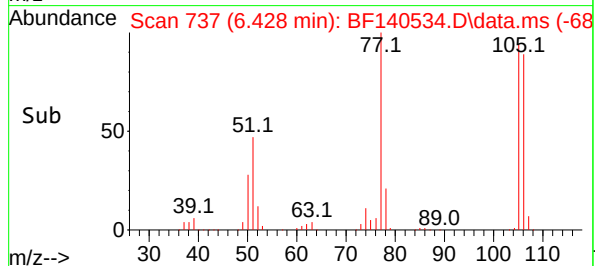
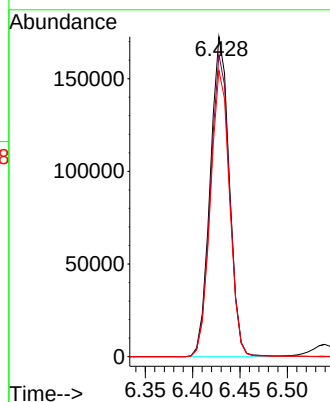
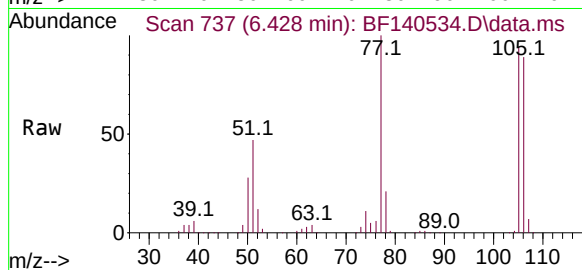
Tgt Ion: 77 Resp: 242020

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

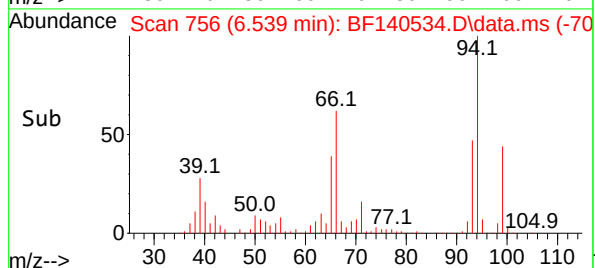
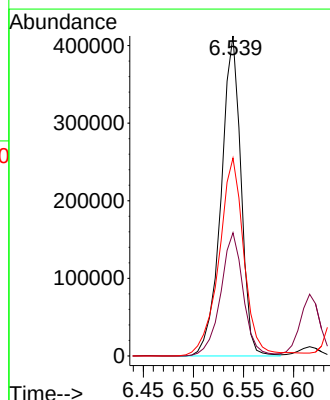
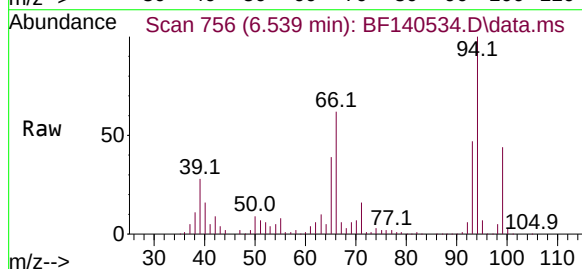
Tgt Ion: 94 Resp: 567815

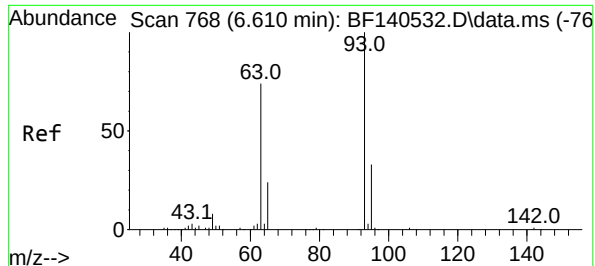
Ion Ratio Lower Upper

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

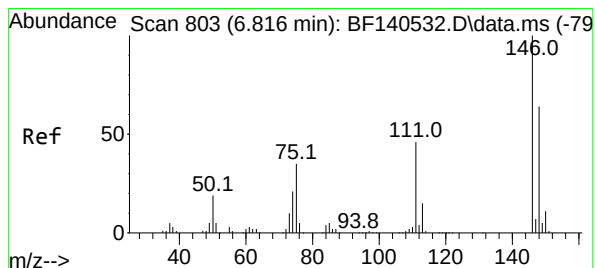
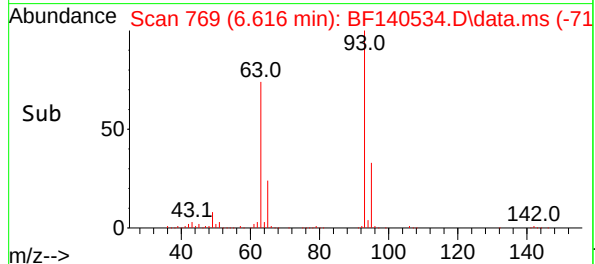
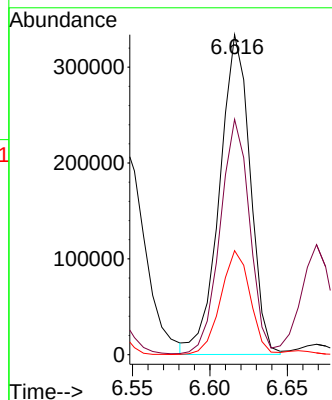
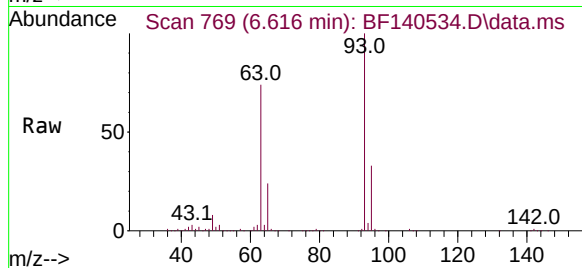
Tgt Ion: 93 Resp: 457231

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

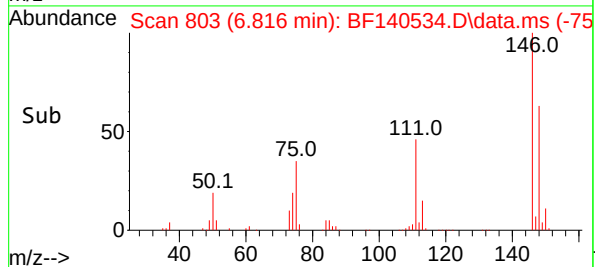
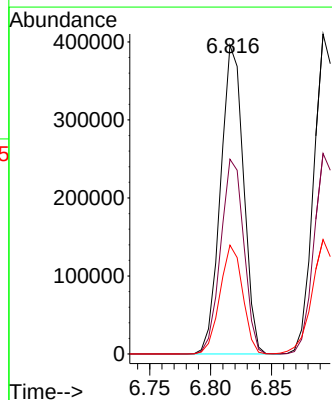
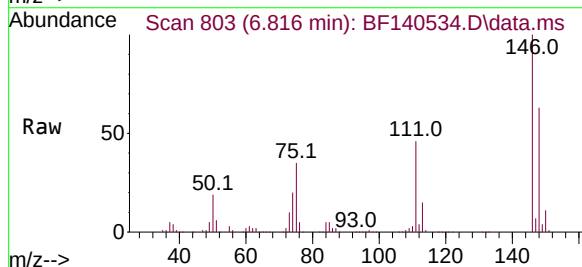
Tgt Ion:146 Resp: 518683

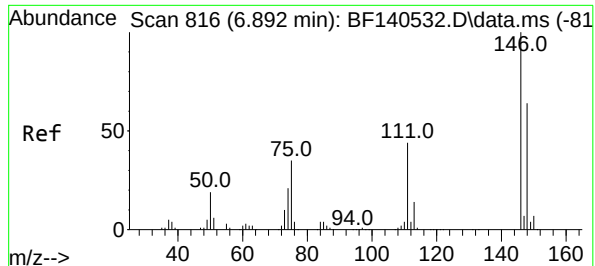
Ion Ratio Lower Upper

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

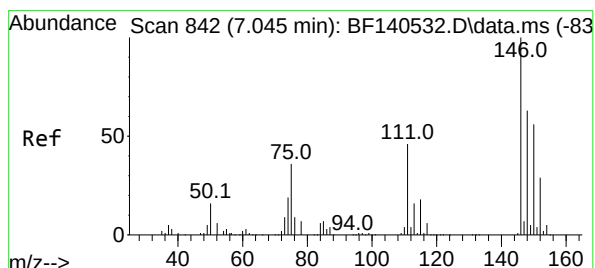
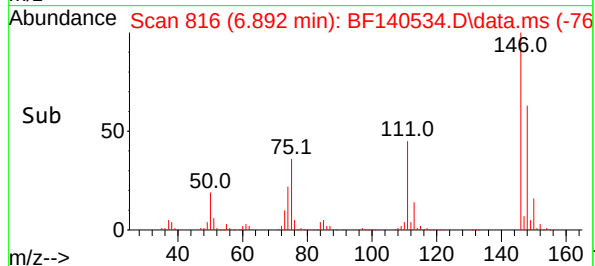
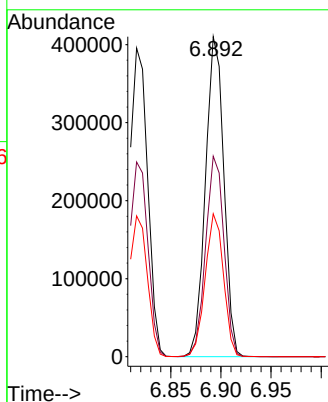
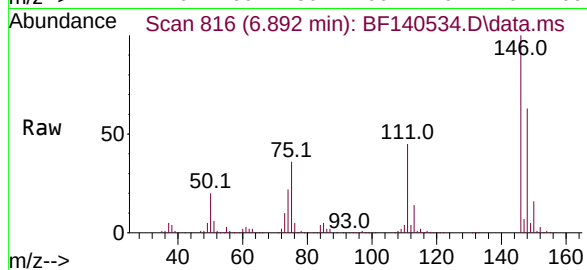
Tgt Ion:146 Resp: 522883

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

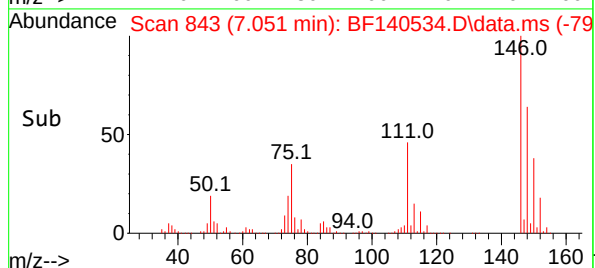
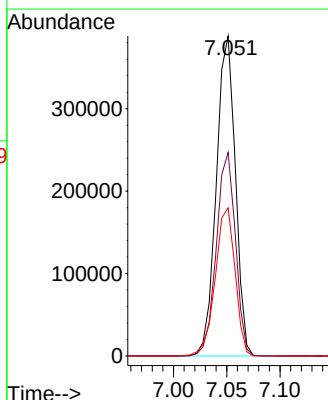
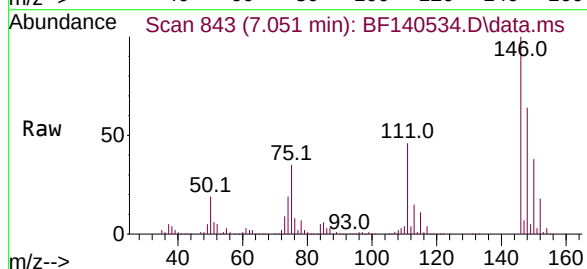
Tgt Ion:146 Resp: 482402

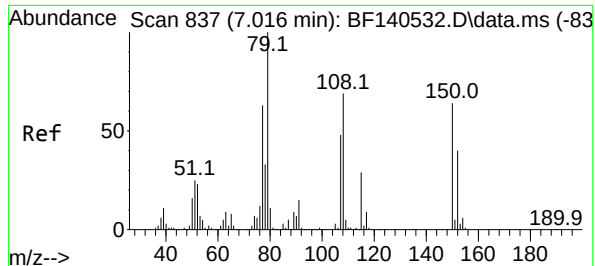
Ion Ratio Lower Upper

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

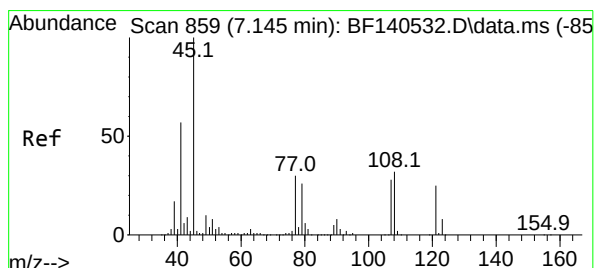
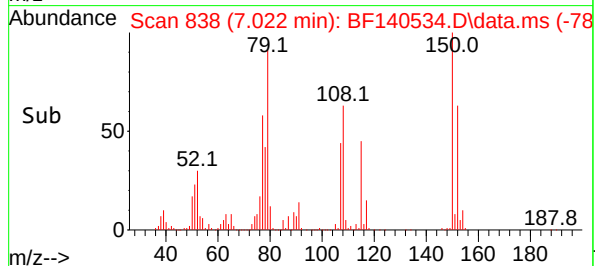
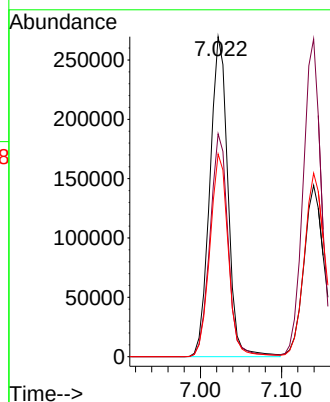
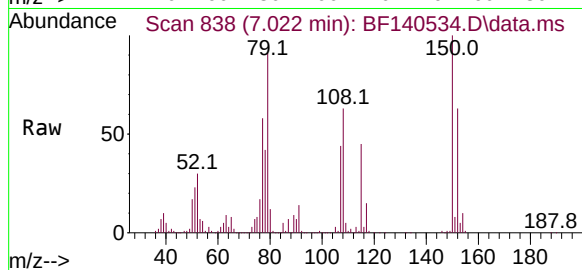
Tgt Ion: 79 Resp: 415427

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

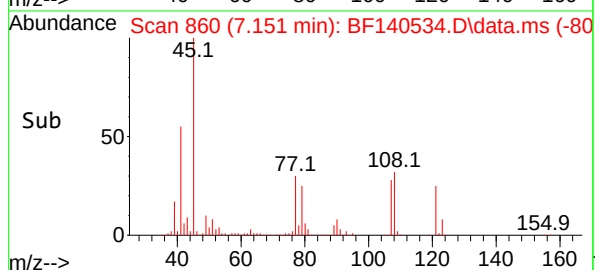
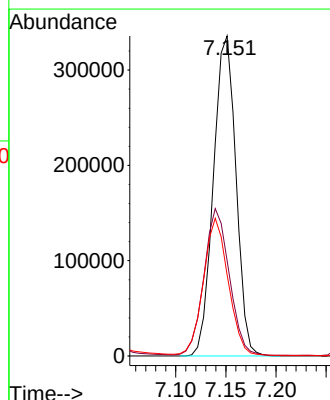
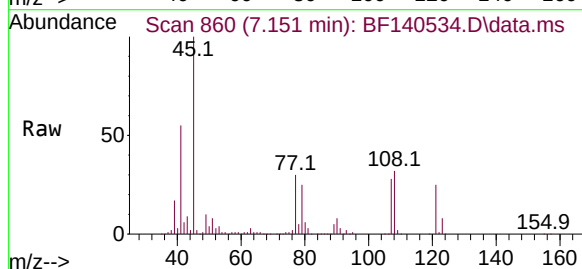
Tgt Ion: 45 Resp: 524697

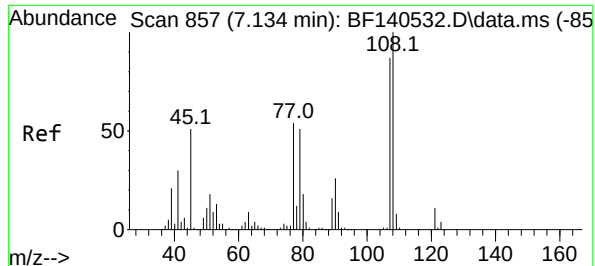
Ion Ratio Lower Upper

45 100

77 29.9 10.7 50.7

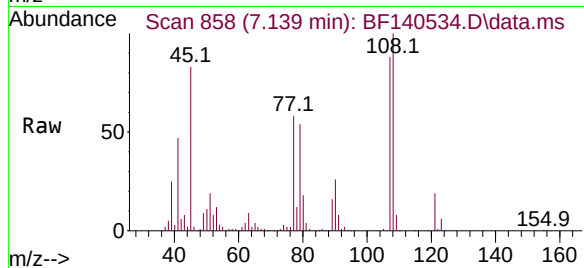
79 25.4 7.0 47.0



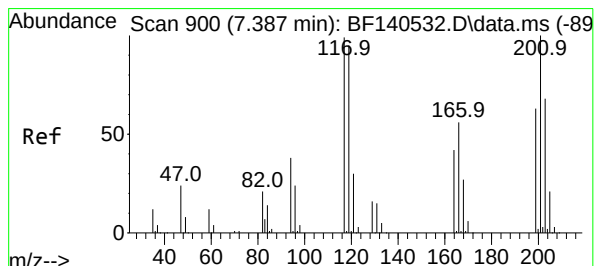
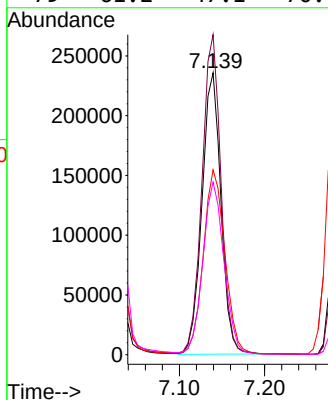
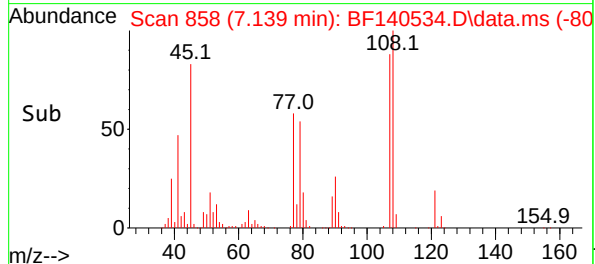


#17
2-Methylphenol
Concen: 57.006 ng
RT: 7.139 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

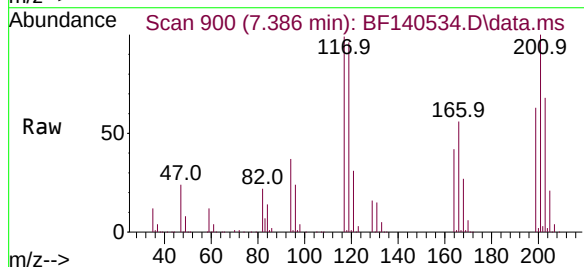
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



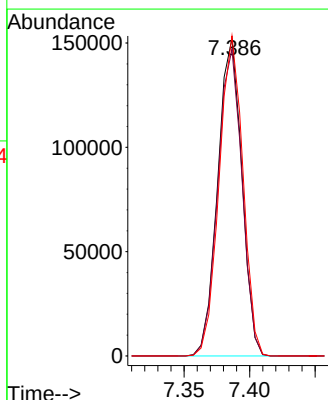
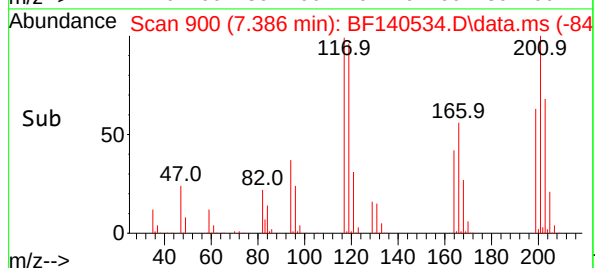
Tgt Ion:107 Resp: 365400
Ion Ratio Lower Upper
107 100
108 113.5 91.7 137.5
77 65.5 49.3 73.9
79 61.2 47.1 70.7

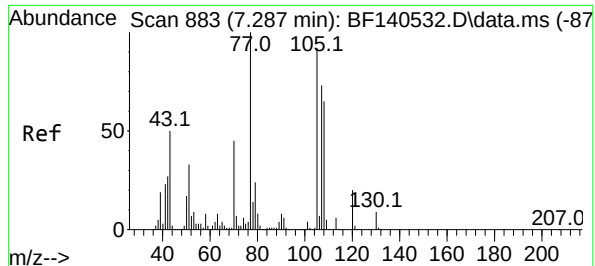


#18
Hexachloroethane
Concen: 57.114 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51



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

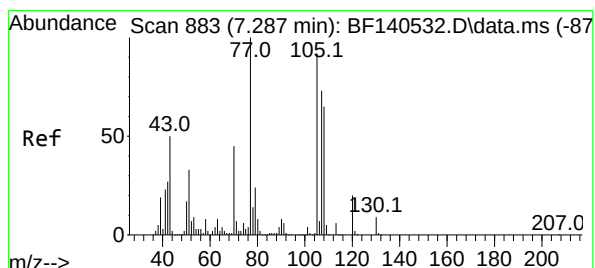
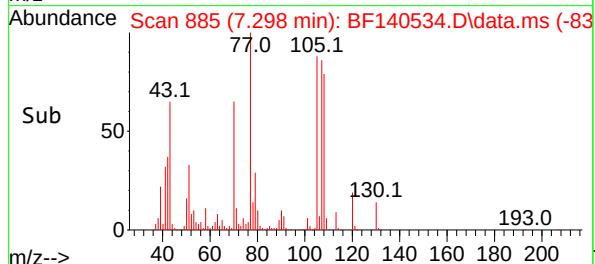
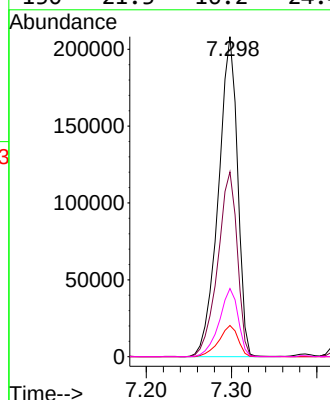
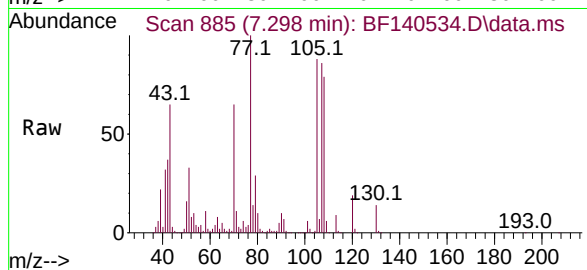
Ion Ratio Lower Upper

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

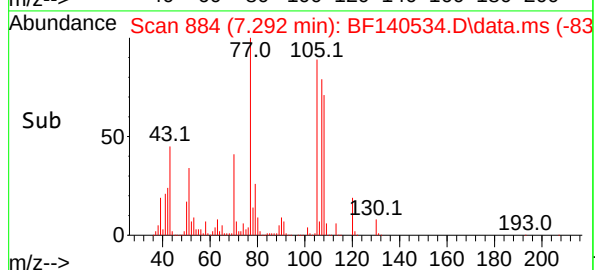
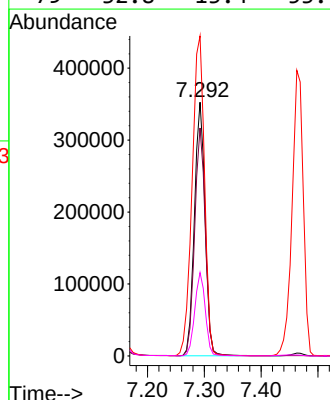
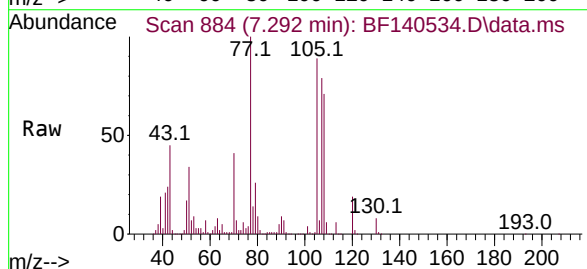
Ion Ratio Lower Upper

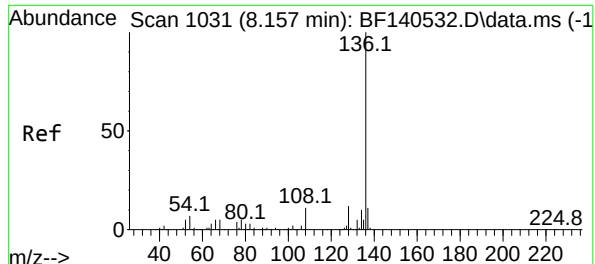
107 100

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

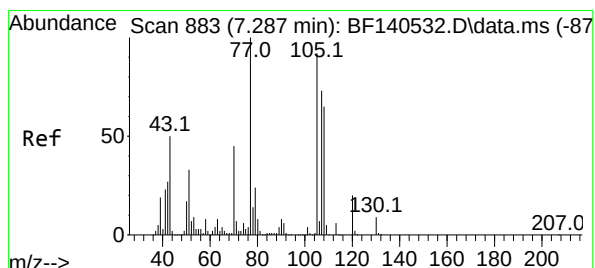
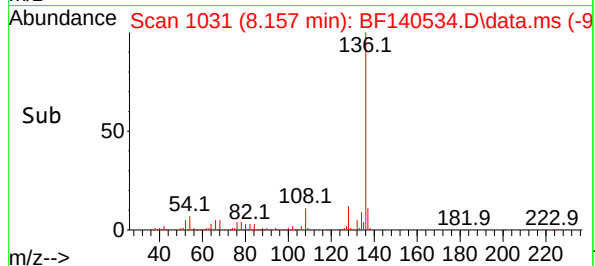
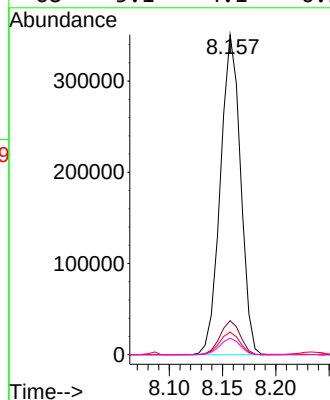
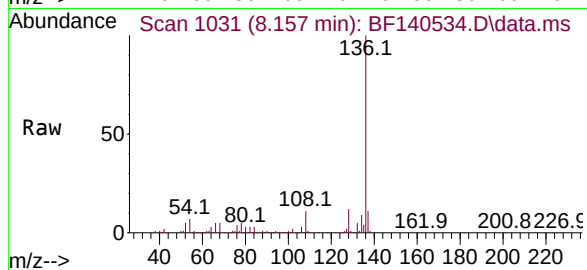
Ion Ratio Lower Upper

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

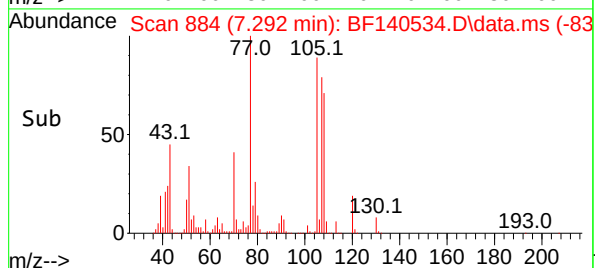
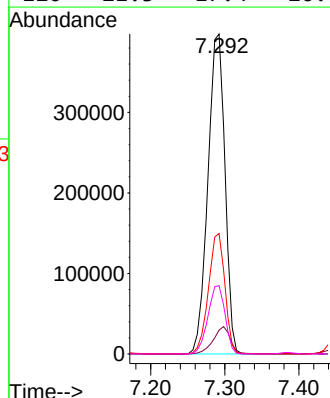
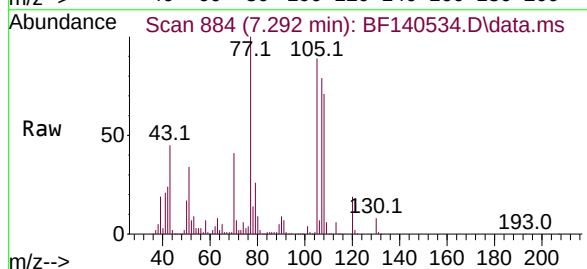
Ion Ratio Lower Upper

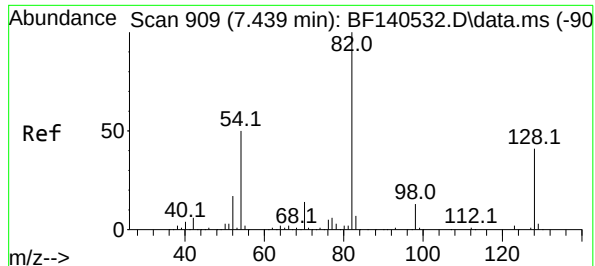
105 100

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 :

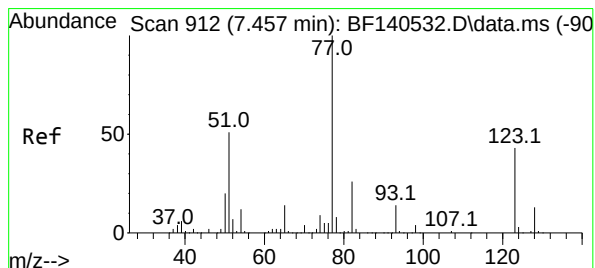
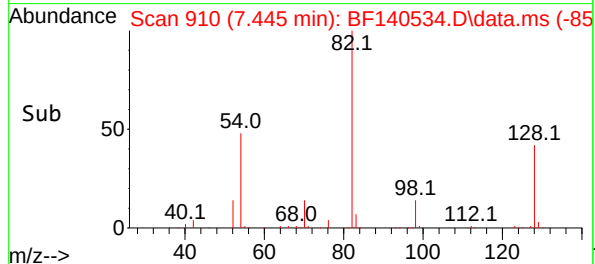
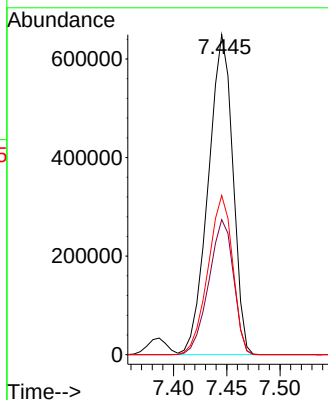
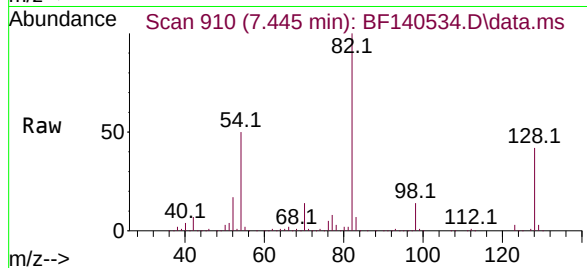
BNA_F

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

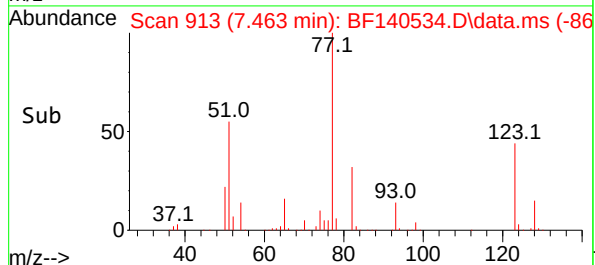
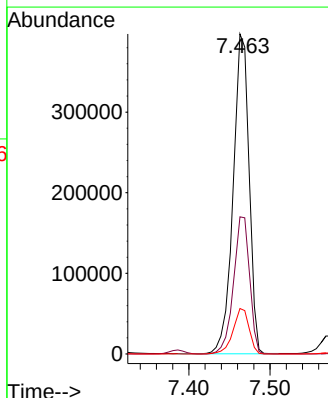
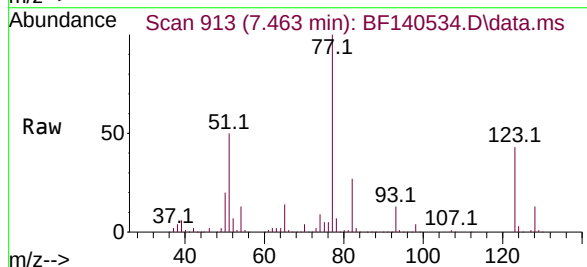
Delta R.T. 0.006 min

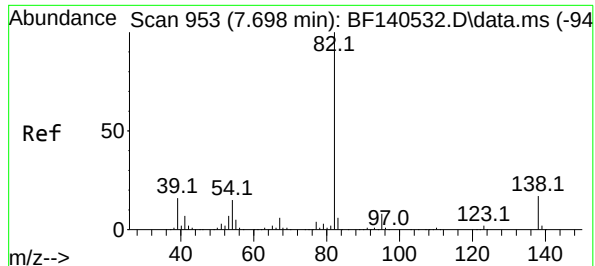
Lab File: BF140534.D

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

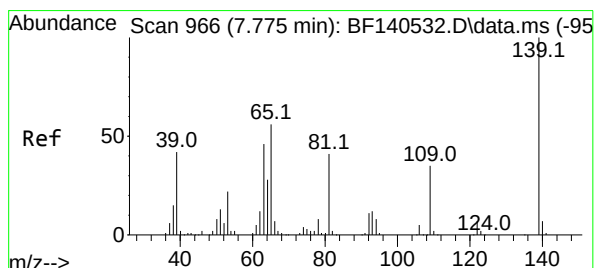
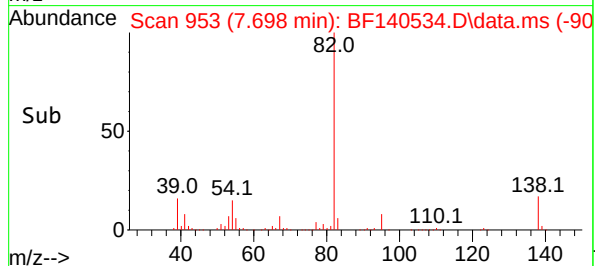
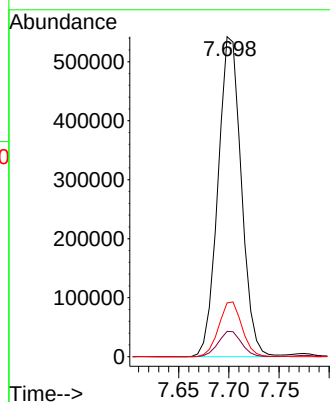
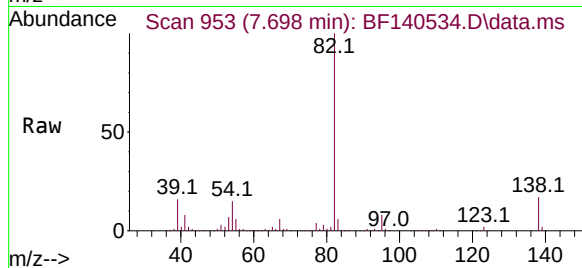
Tgt Ion: 82 Resp: 876972

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

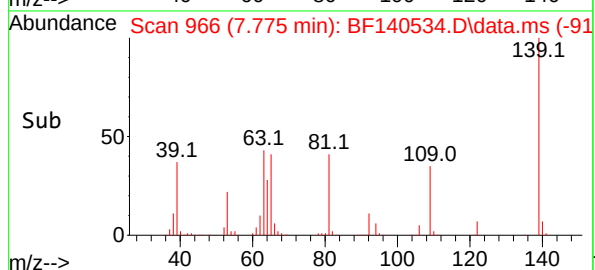
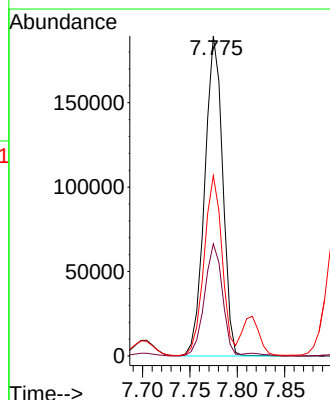
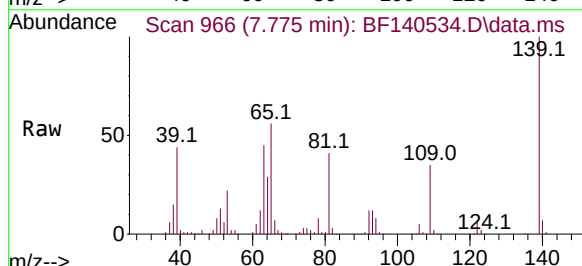
Tgt Ion:139 Resp: 249133

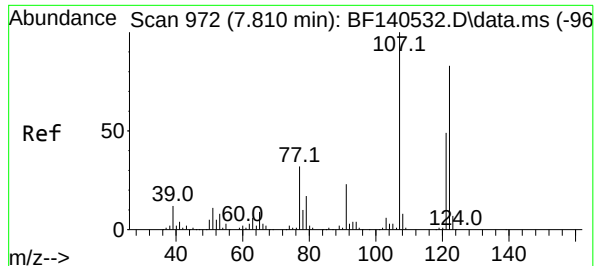
Ion Ratio Lower Upper

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

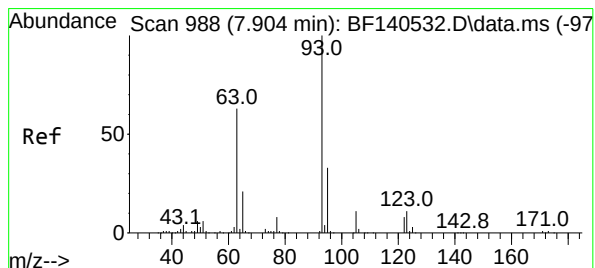
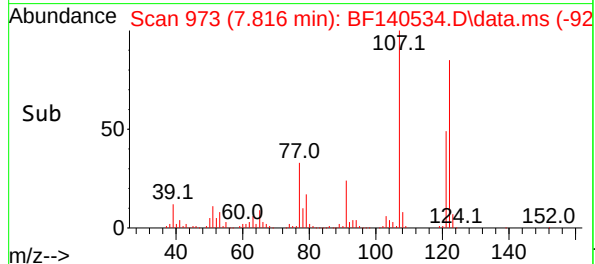
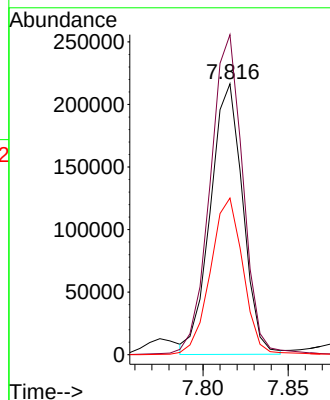
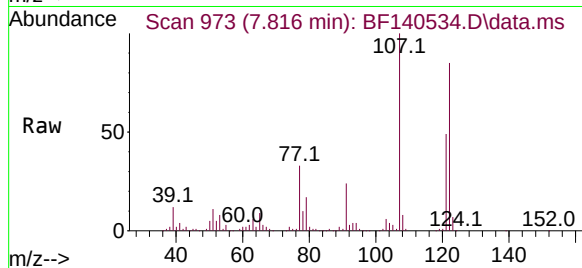
Tgt Ion:122 Resp: 285825

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

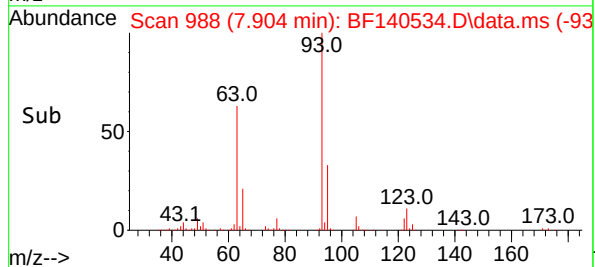
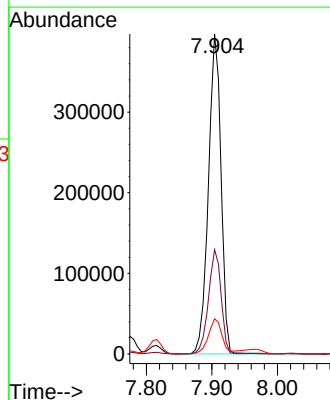
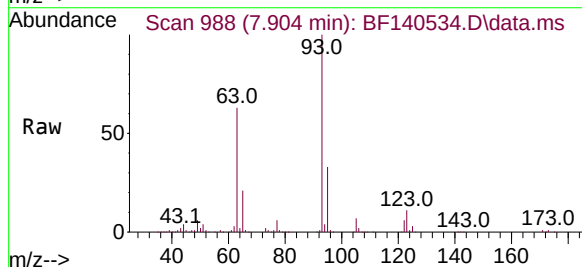
Tgt Ion: 93 Resp: 531210

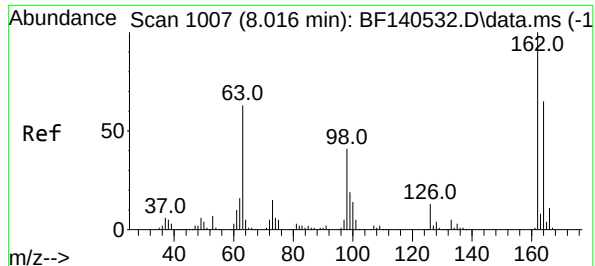
Ion Ratio Lower Upper

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 :

SSTDICC060

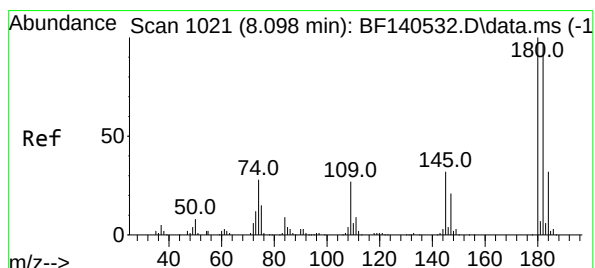
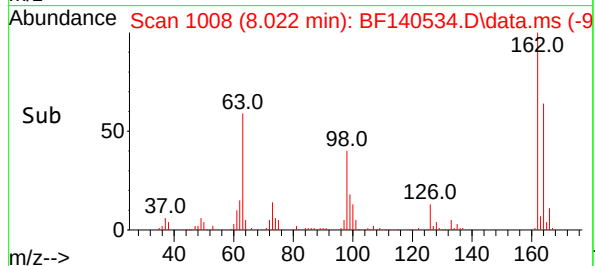
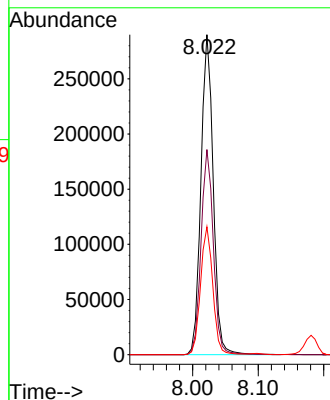
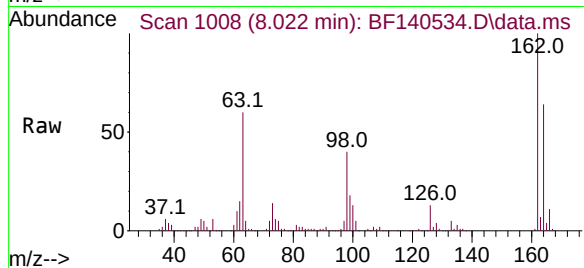
Tgt Ion:162 Resp: 379082

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

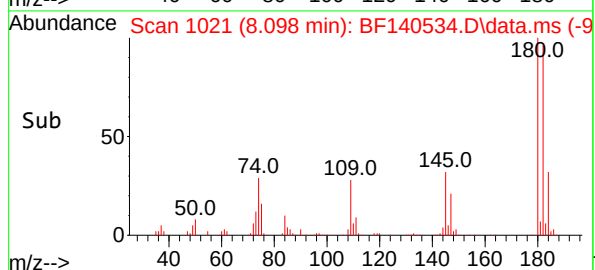
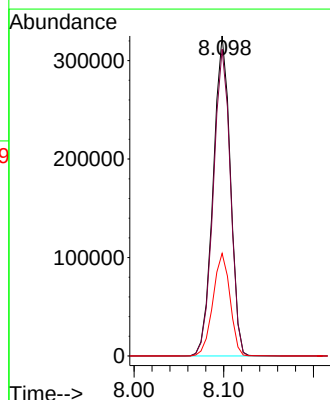
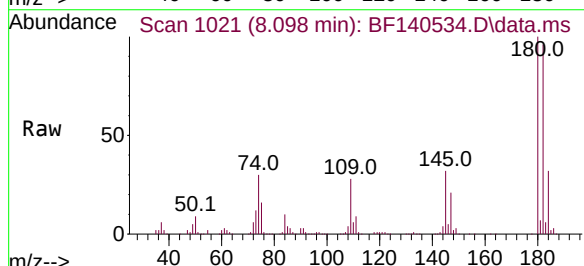
Tgt Ion:180 Resp: 431792

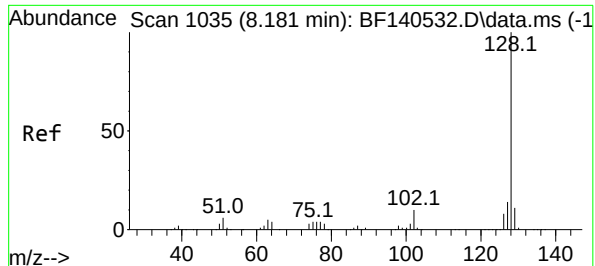
Ion Ratio Lower Upper

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

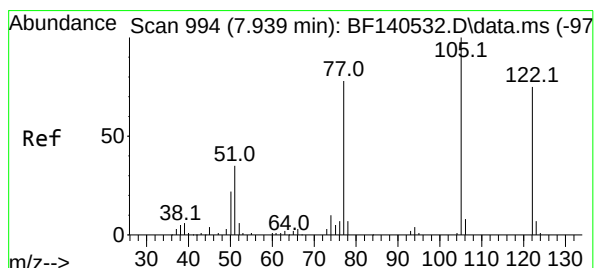
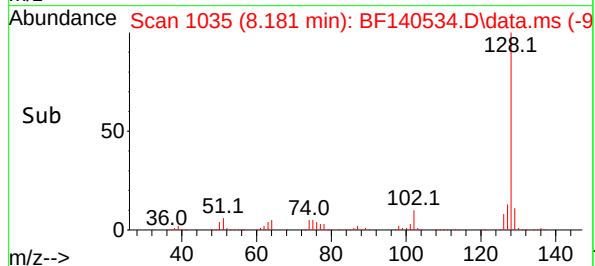
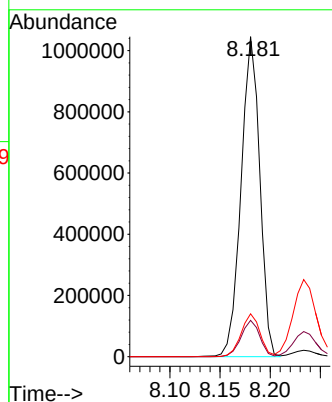
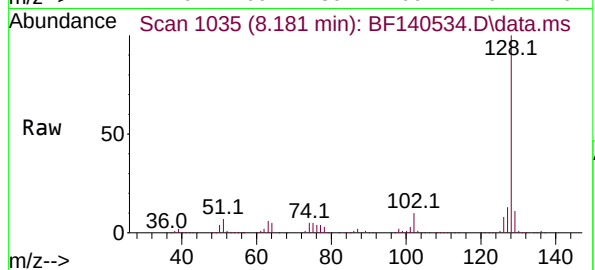
Tgt Ion:128 Resp: 1359743

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

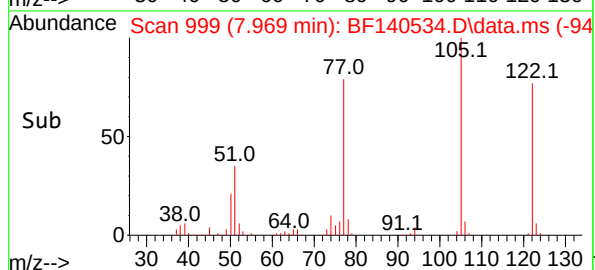
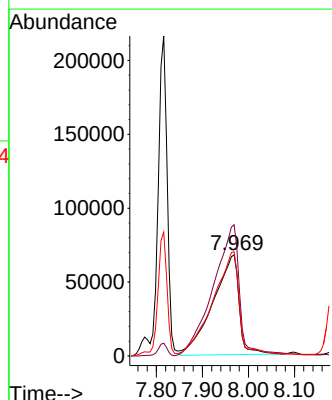
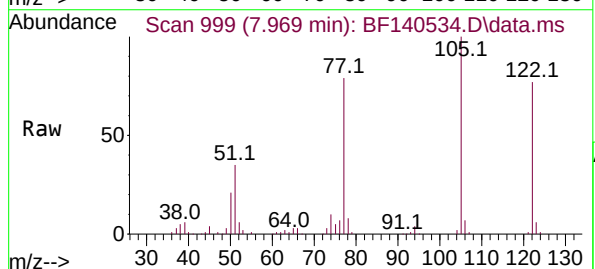
Tgt Ion:122 Resp: 265434

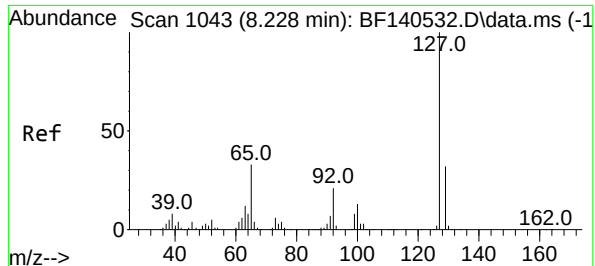
Ion Ratio Lower Upper

122 100

105 129.8 109.3 149.3

77 103.0 82.3 122.3

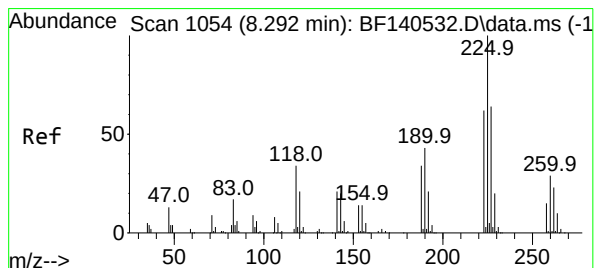
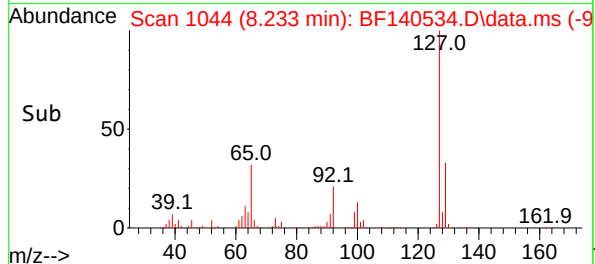
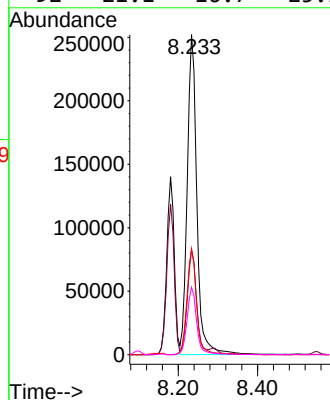
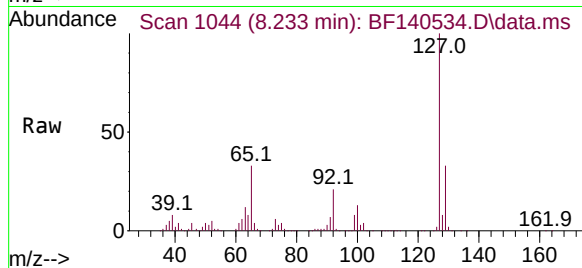




#33
4-Chloroaniline
Concen: 59.831 ng
RT: 8.233 min Scan# 1044
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

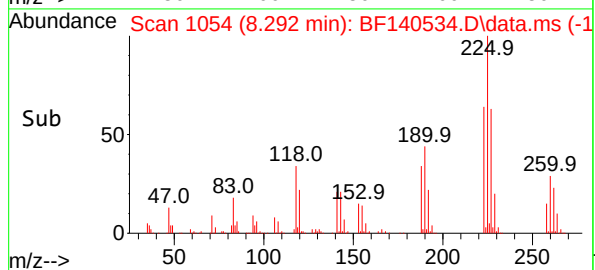
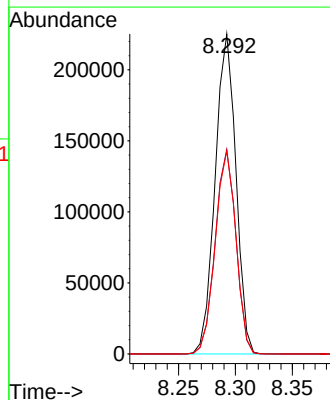
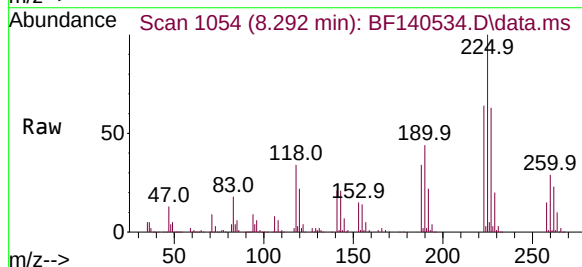
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

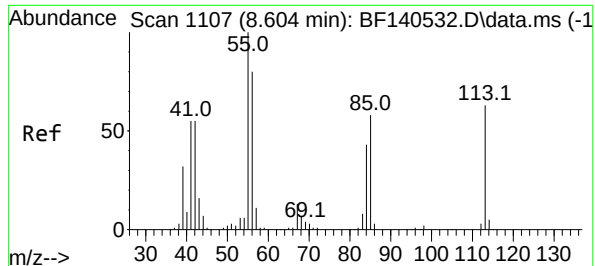
Tgt Ion:	127	Resp:	425356
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.0	39.0
65	33.2	26.0	39.0
92	21.1	16.7	25.1



#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

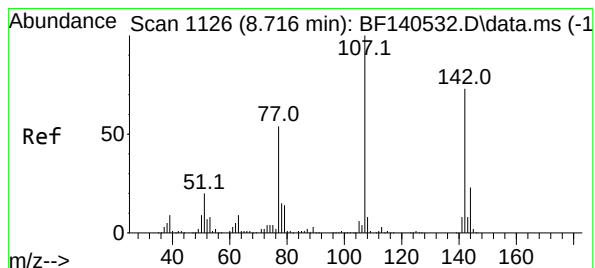
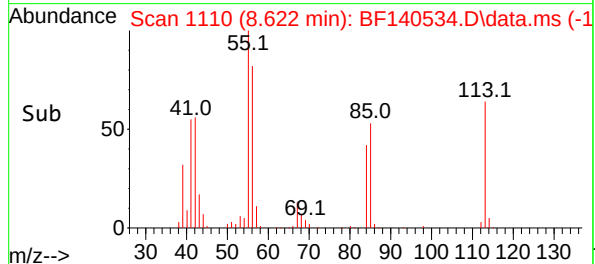
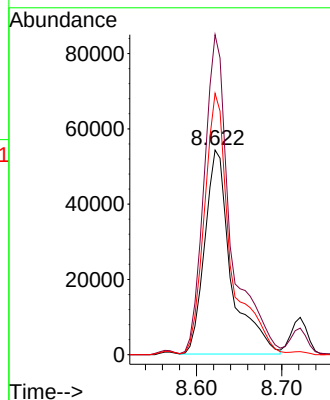
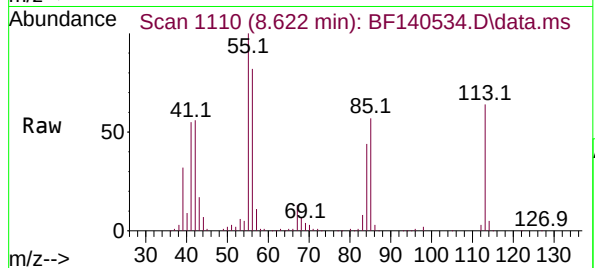




#35
Caprolactam
Concen: 57.943 ng
RT: 8.622 min Scan# 1110
Delta R.T. 0.018 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

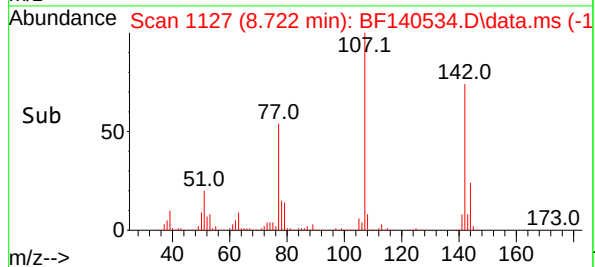
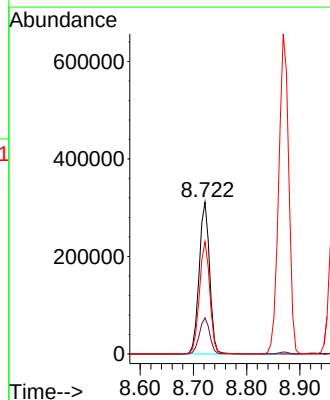
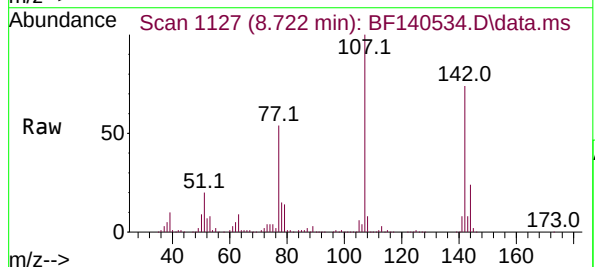
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

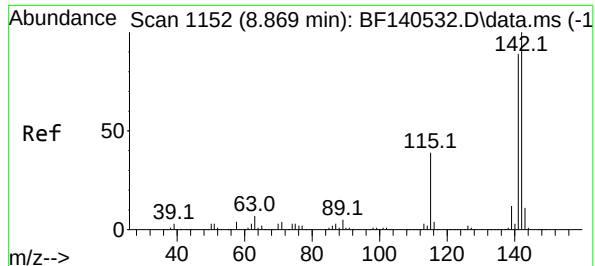
Tgt Ion:113 Resp: 117351
Ion Ratio Lower Upper
113 100
55 156.4 137.7 177.7
56 127.7 106.4 146.4



#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 :

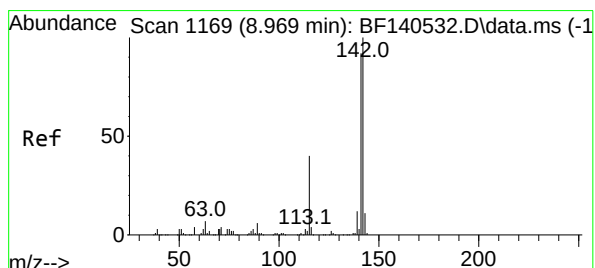
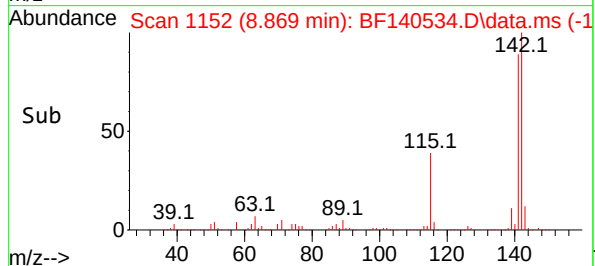
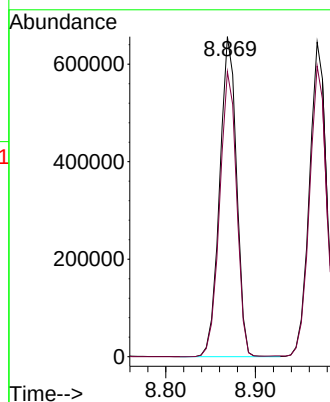
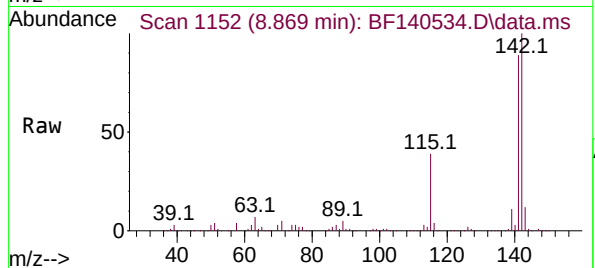
SSTDICC060

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

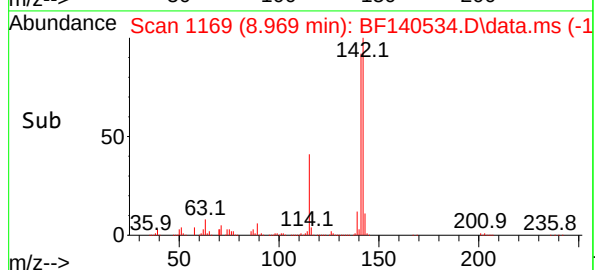
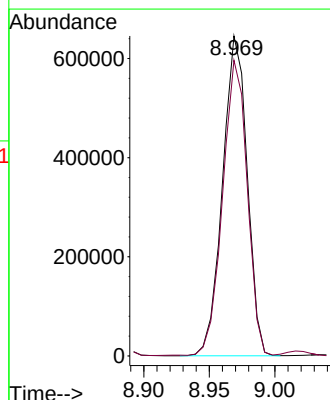
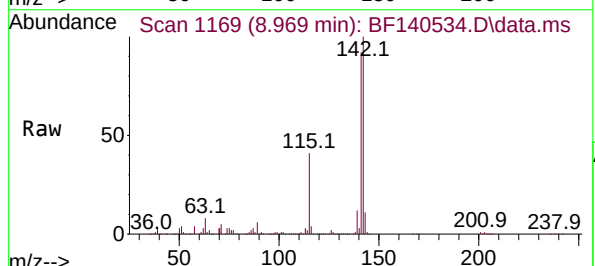
Acq: 21 Nov 2024 13:51

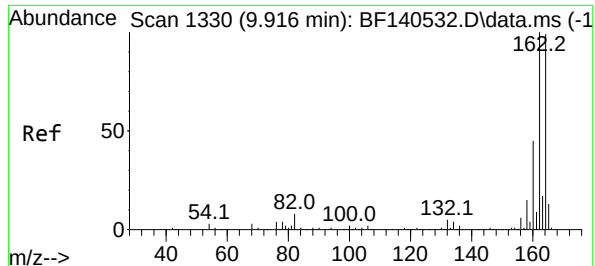
Tgt Ion:142 Resp: 841528

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

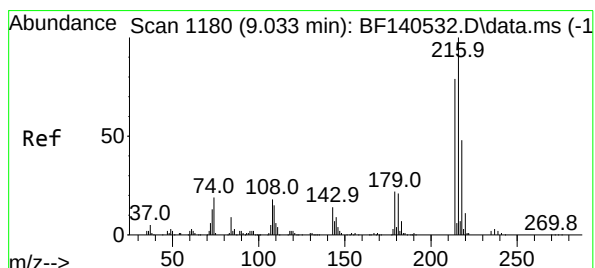
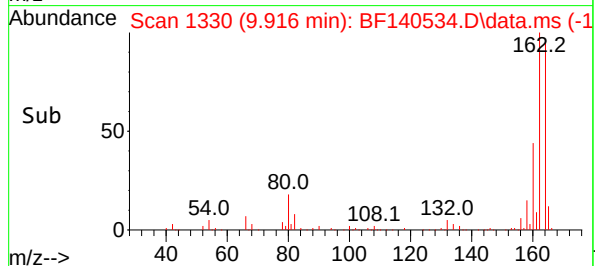
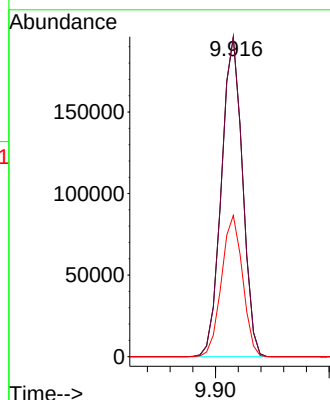
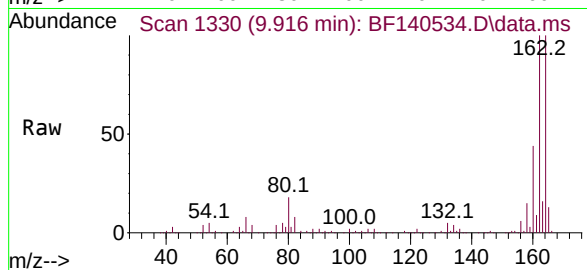
Tgt Ion:164 Resp: 252108

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

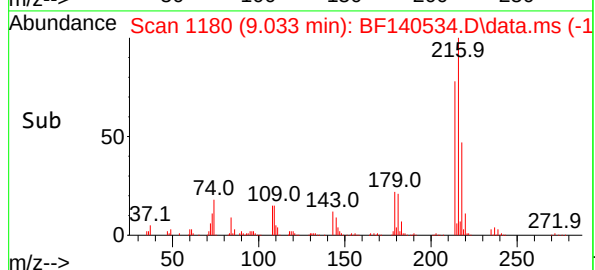
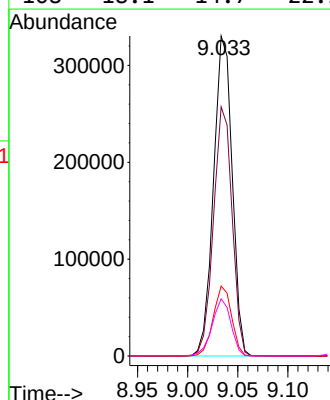
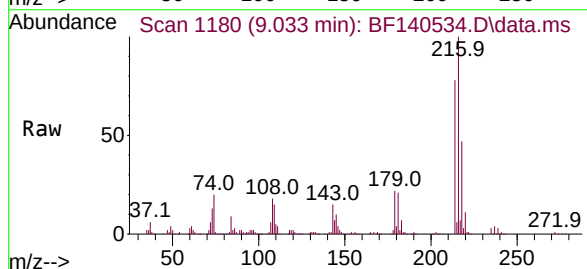
Ion Ratio Lower Upper

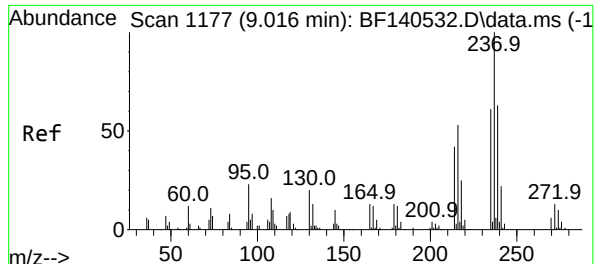
216 100

214 77.6 63.0 94.4

179 21.5 17.5 26.3

108 18.1 14.7 22.1

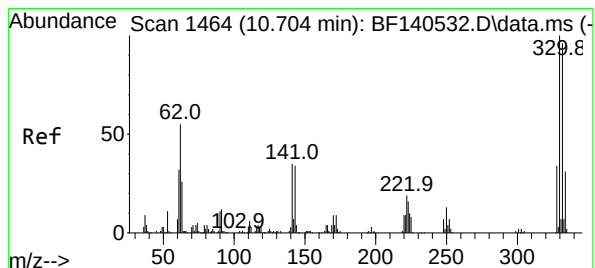
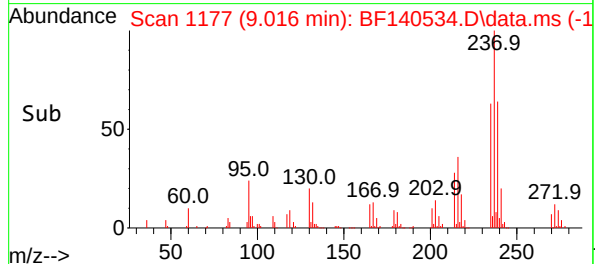
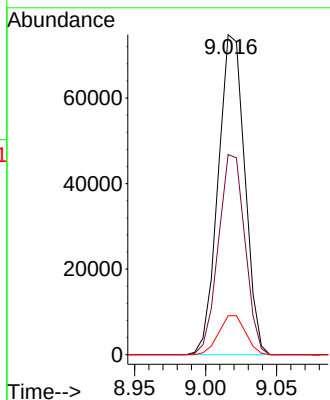
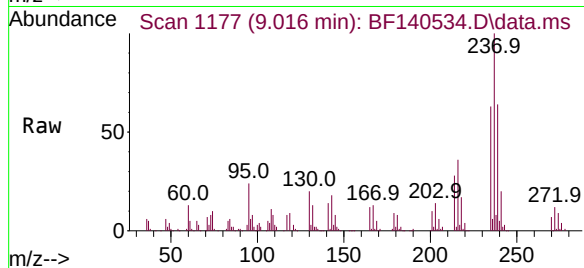




#41
Hexachlorocyclopentadiene
Concen: 60.727 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

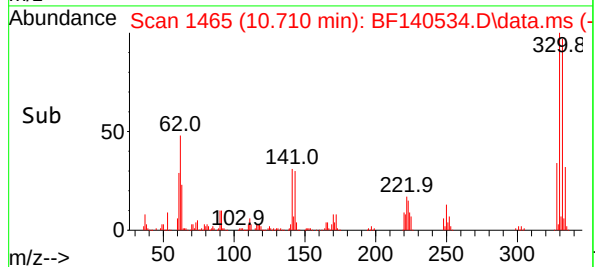
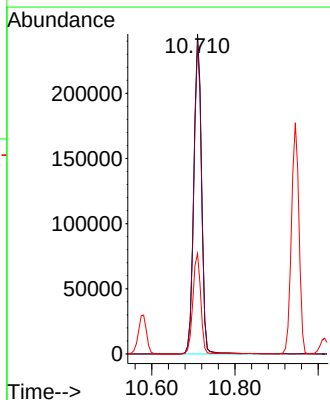
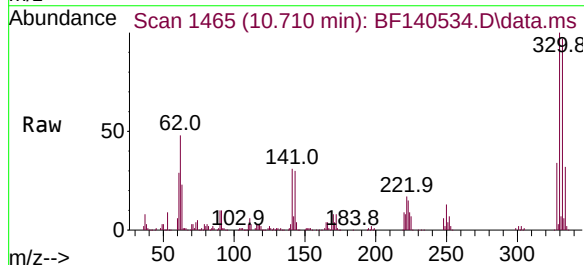
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

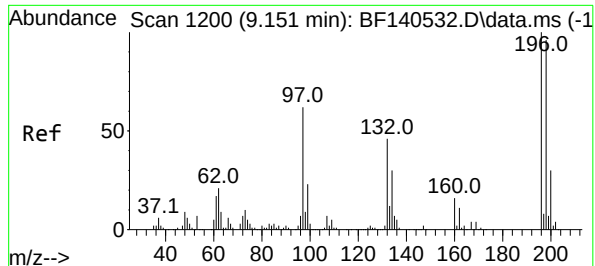
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.1	81.1
272	12.1	0.0	32.6



#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

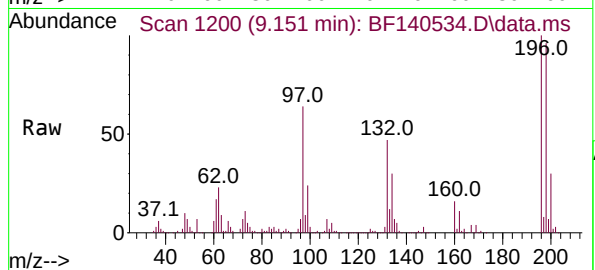
Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



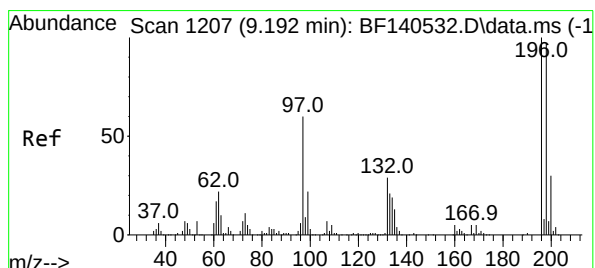
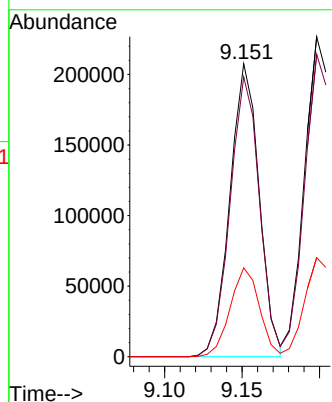
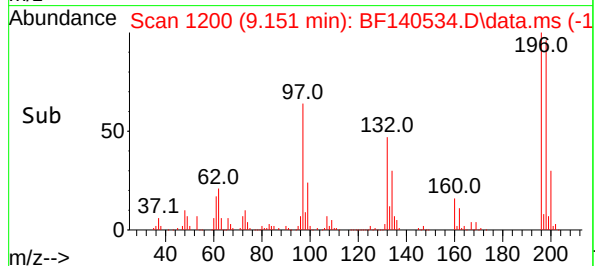
Tgt Ion:196 Resp: 272399

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

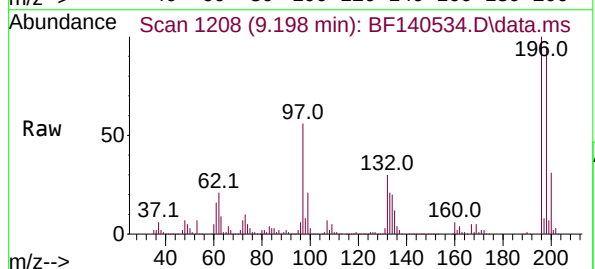
Concen: 59.694 ng

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

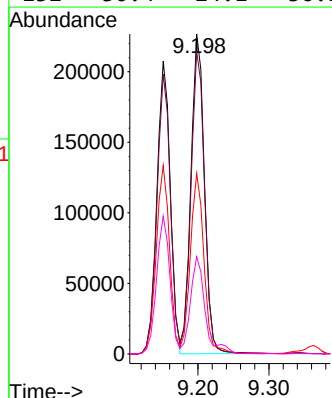
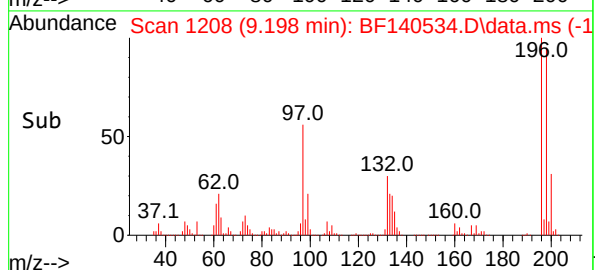
Ion Ratio Lower Upper

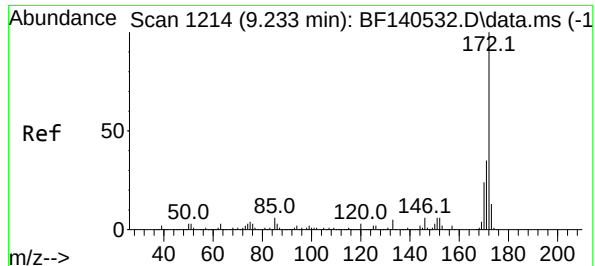
196 100

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

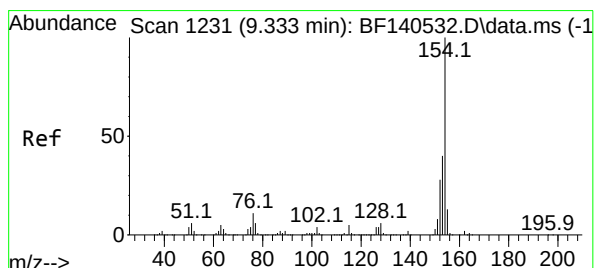
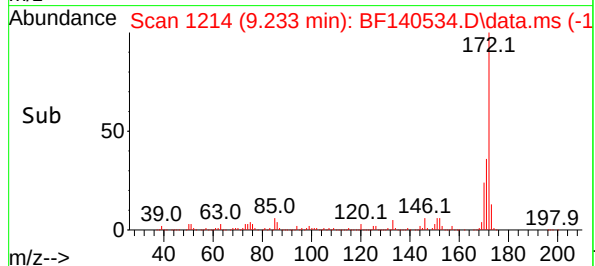
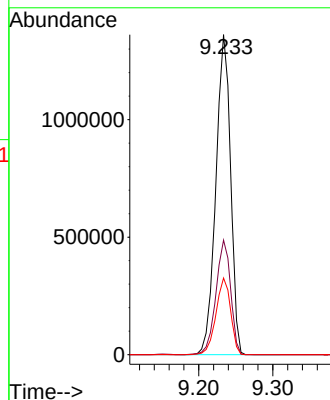
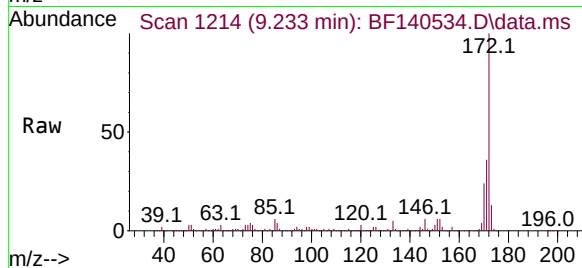
Tgt Ion:172 Resp: 1875064

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

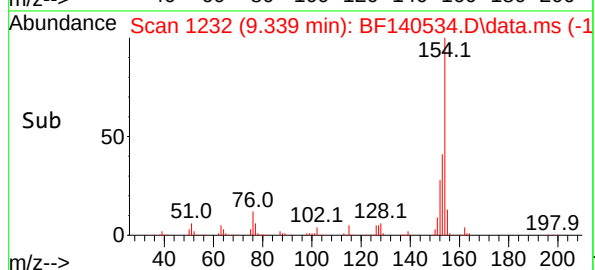
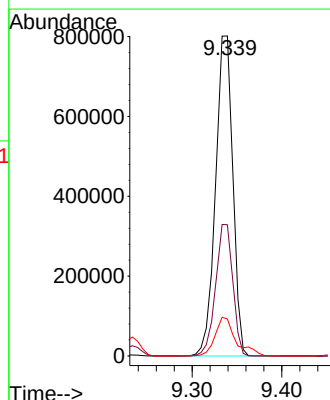
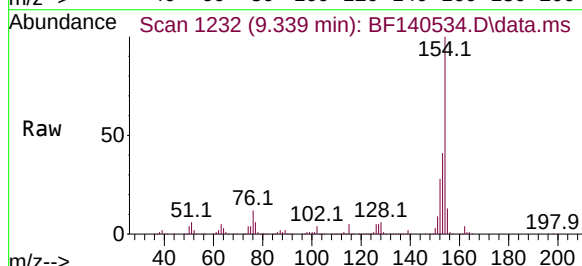
Tgt Ion:154 Resp: 1072474

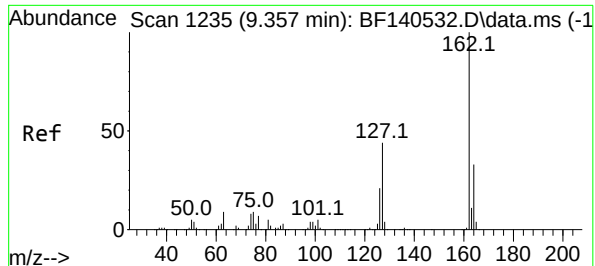
Ion Ratio Lower Upper

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

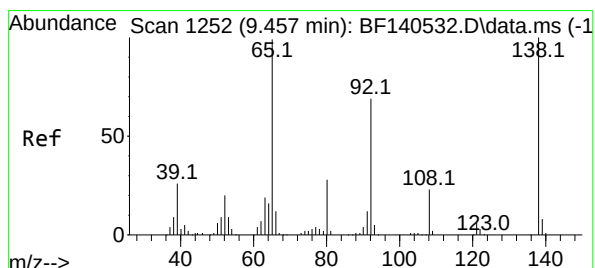
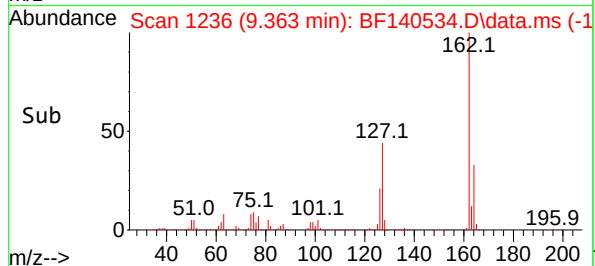
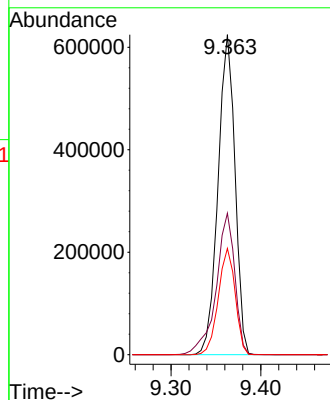
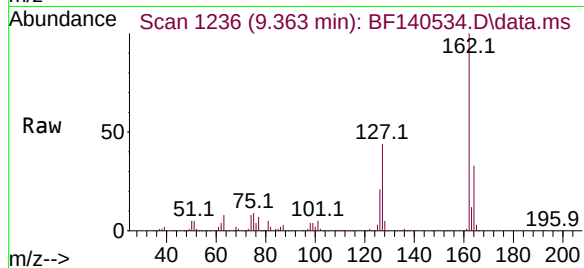
Tgt Ion:162 Resp: 819966

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

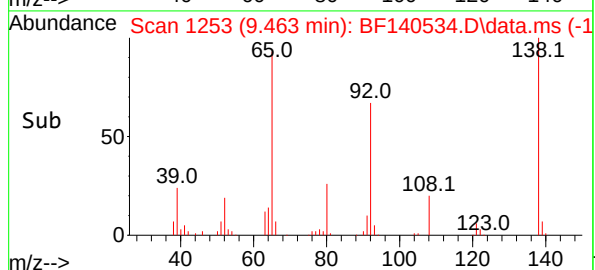
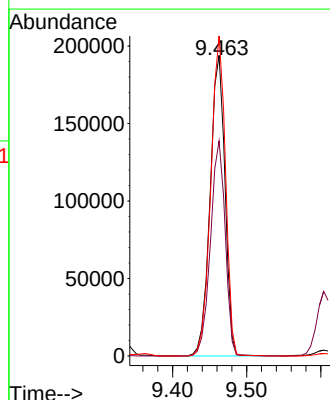
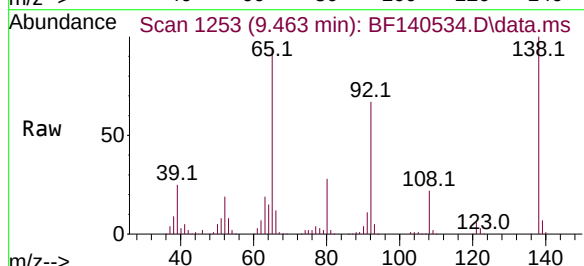
Tgt Ion: 65 Resp: 269813

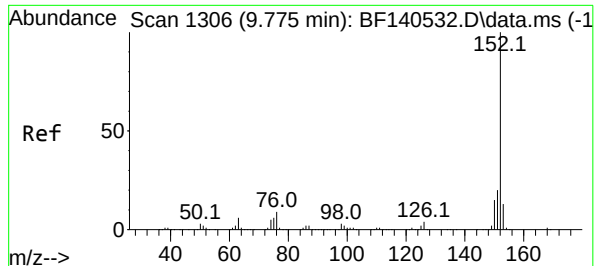
Ion Ratio Lower Upper

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

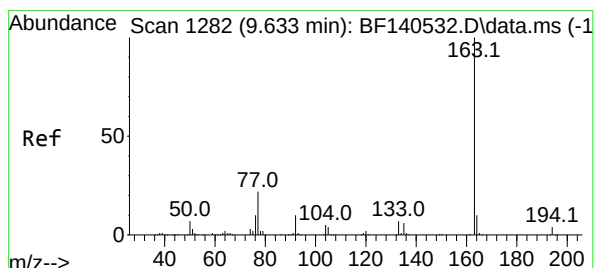
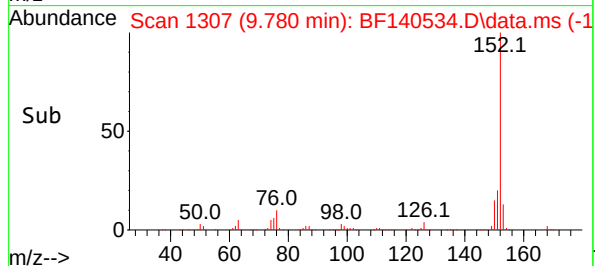
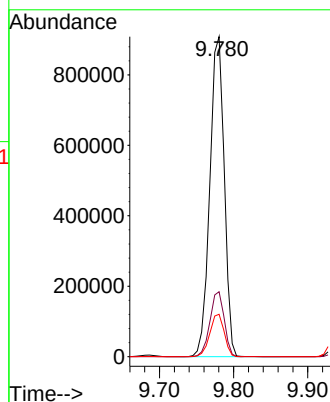
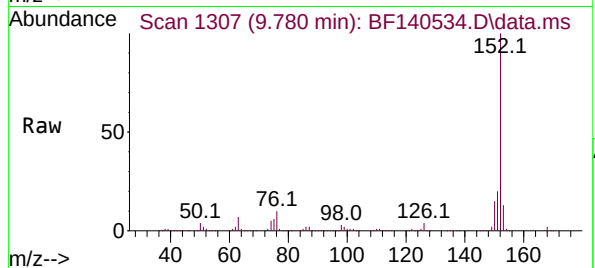
Tgt Ion:152 Resp: 1227568

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

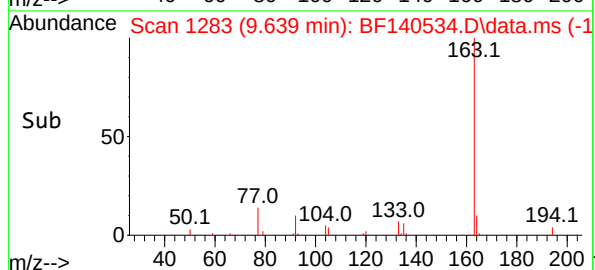
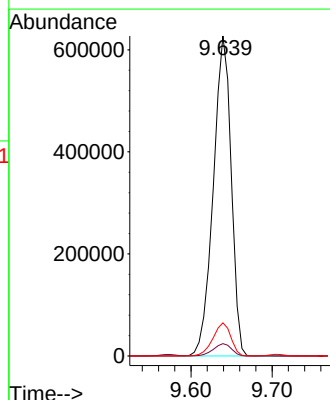
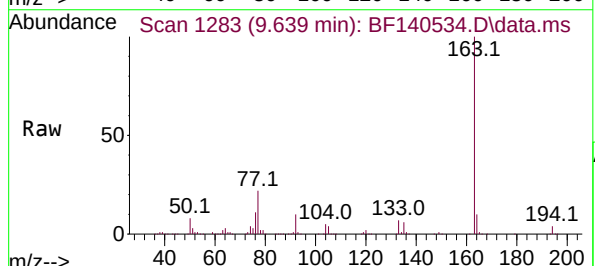
Tgt Ion:163 Resp: 960589

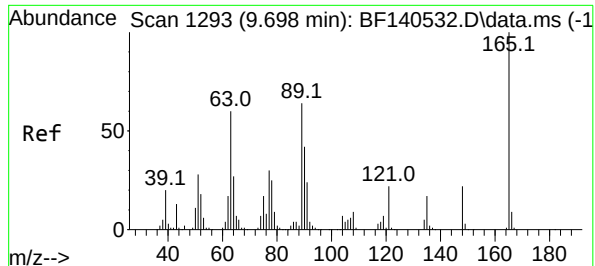
Ion Ratio Lower Upper

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# 1294

Delta R.T. 0.006 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

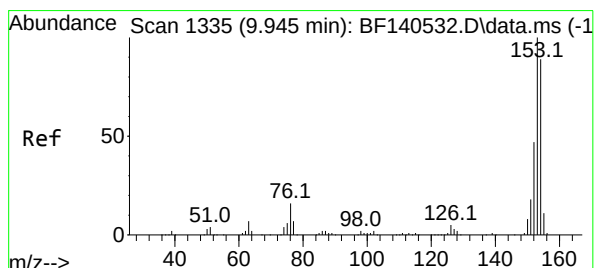
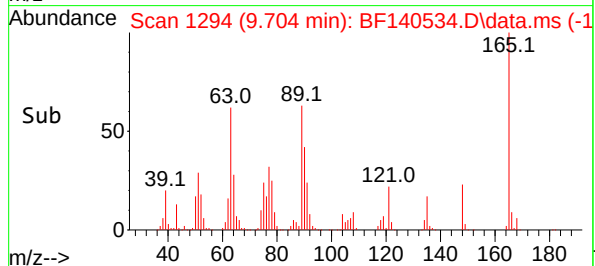
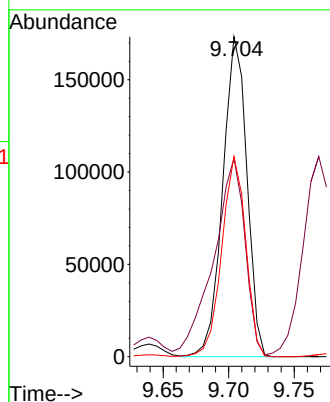
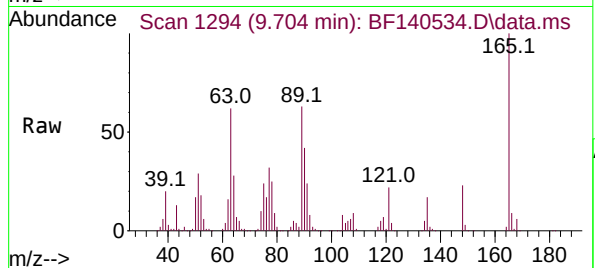
Tgt Ion:165 Resp: 221428

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

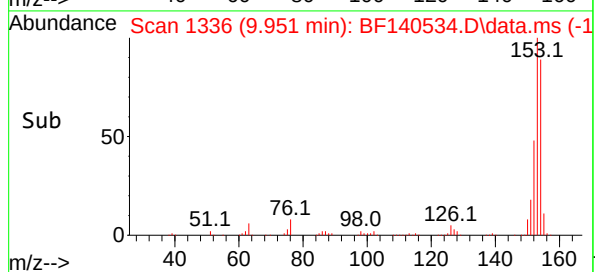
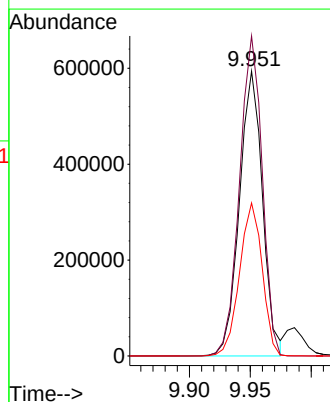
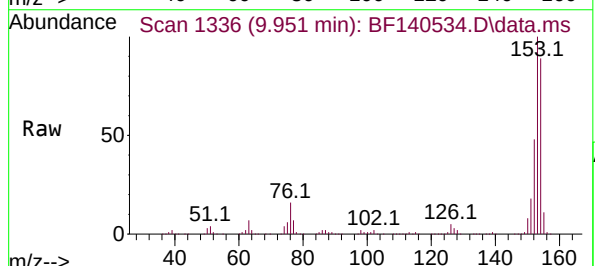
Tgt Ion:154 Resp: 784102

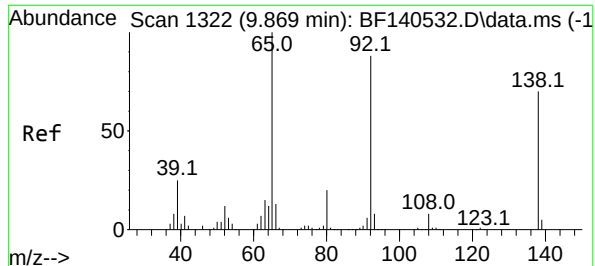
Ion Ratio Lower Upper

154 100

153 112.4 89.7 134.5

152 53.7 42.5 63.7

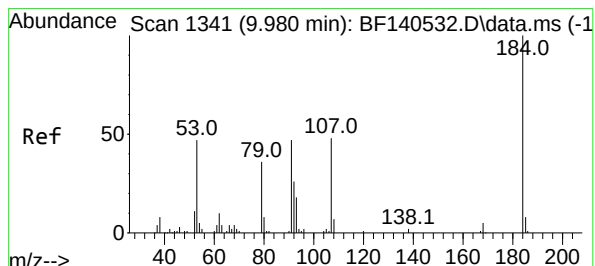
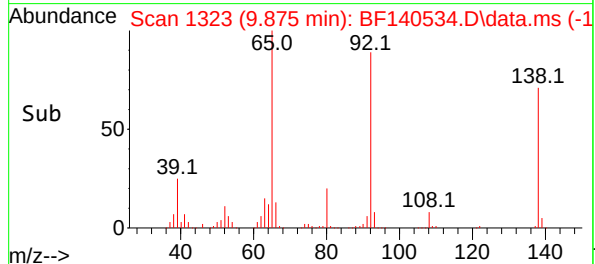
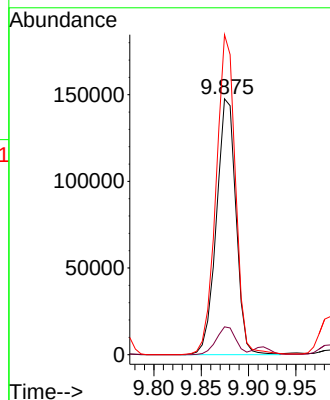
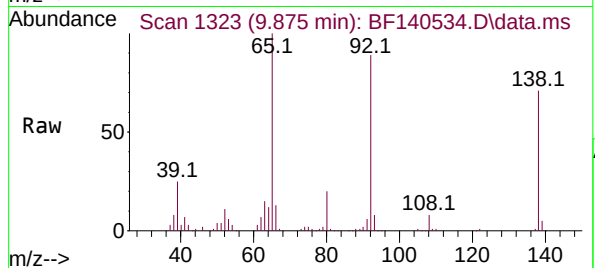




#53
3-Nitroaniline
Concen: 57.607 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

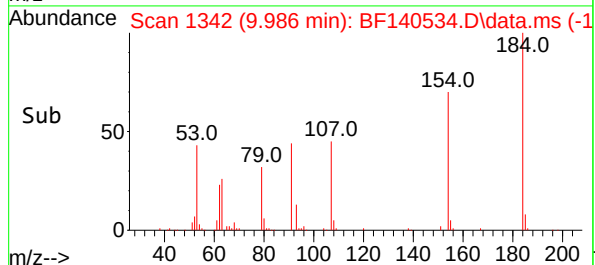
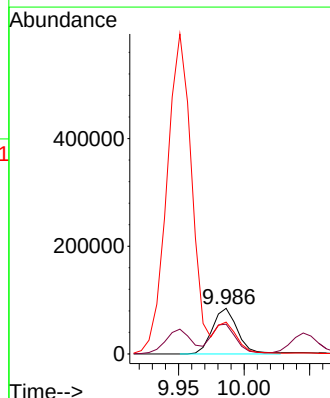
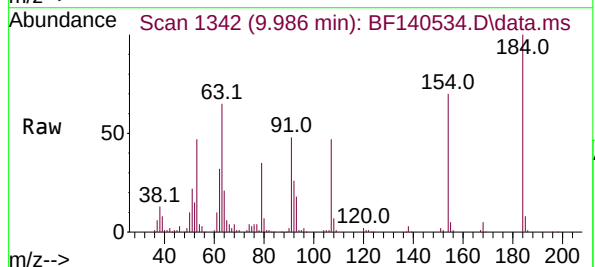
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

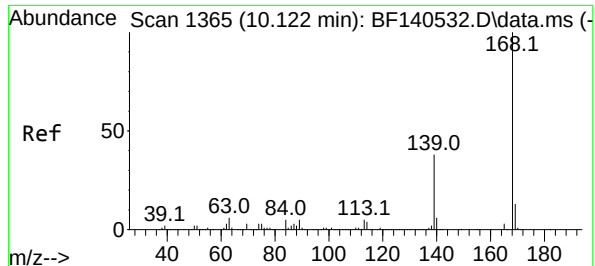
Tgt Ion:138 Resp: 212165
Ion Ratio Lower Upper
138 100
108 10.9 9.2 13.8
92 125.1 100.6 150.8



#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 :

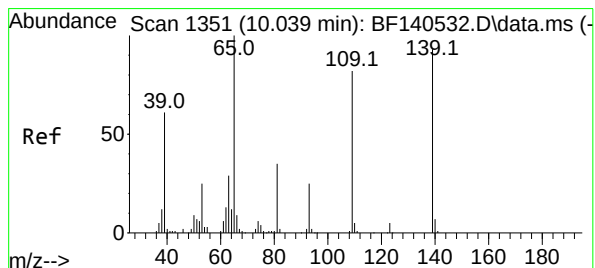
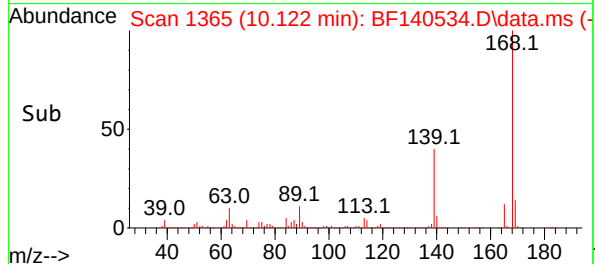
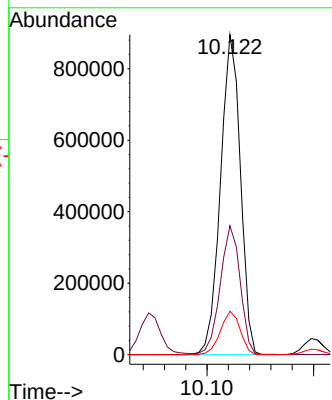
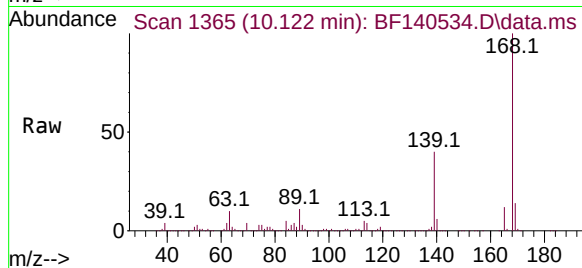
BNA_F

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

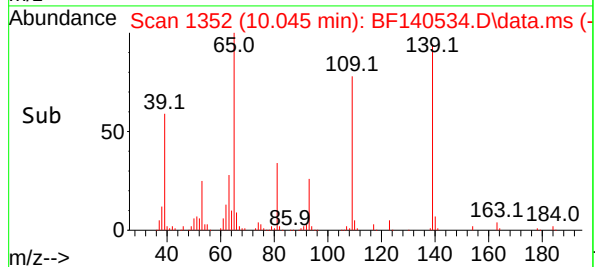
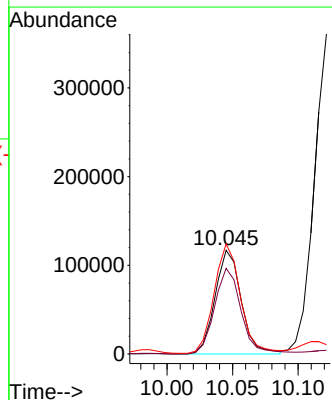
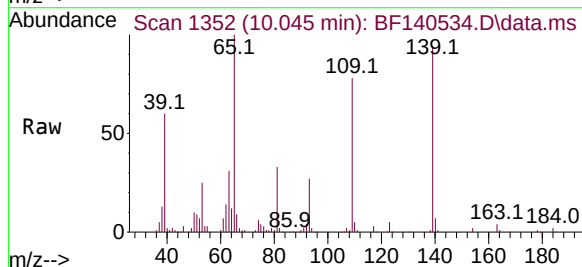
Delta R.T. 0.006 min

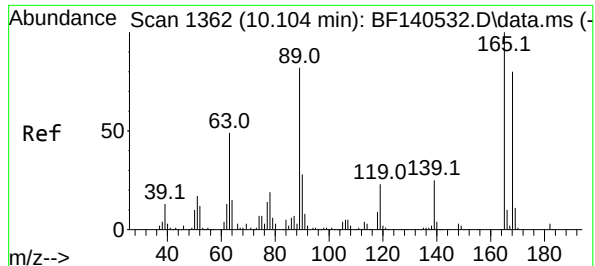
Lab File: BF140534.D

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

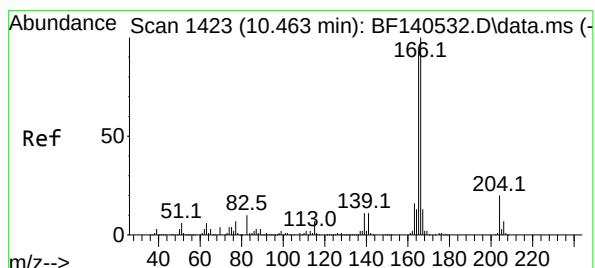
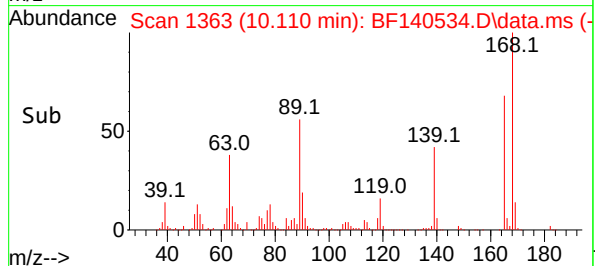
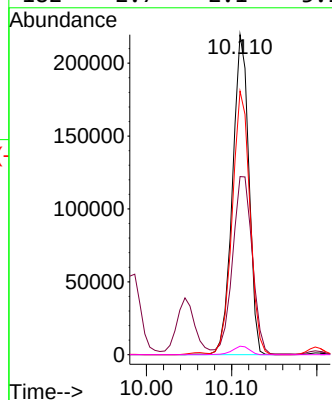
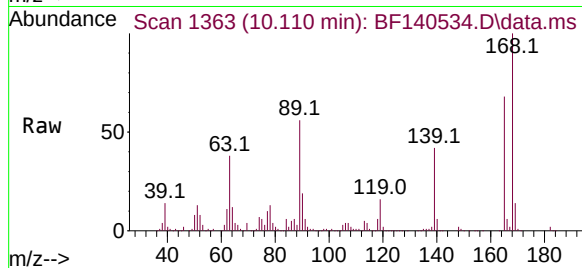




#57
2,4-Dinitrotoluene
Concen: 58.735 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

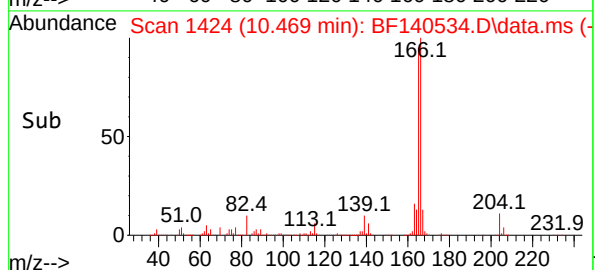
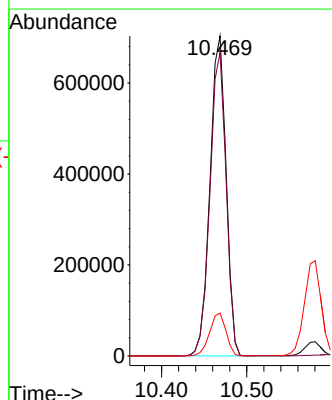
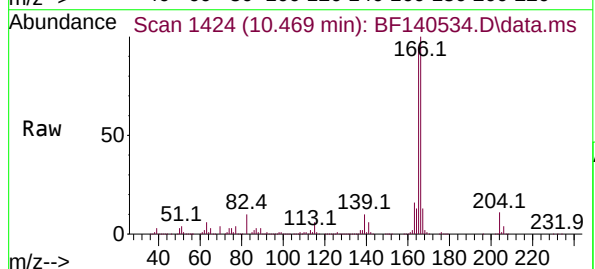
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

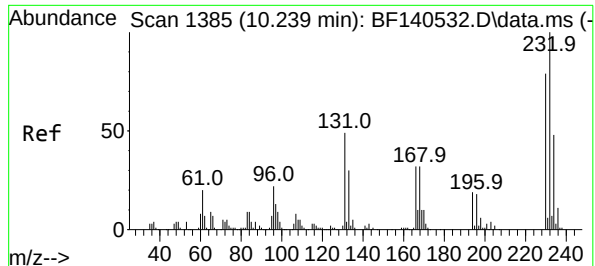
Tgt Ion:165 Resp: 293950
Ion Ratio Lower Upper
165 100
63 55.7 41.7 62.5
89 82.4 65.8 98.8
182 2.7 2.1 3.1



#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

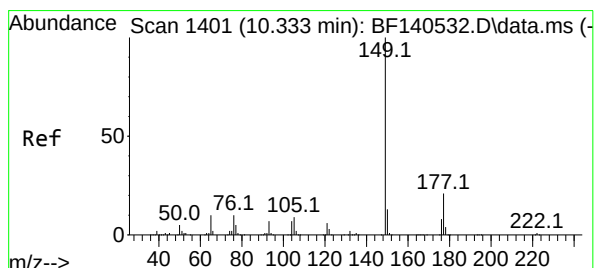
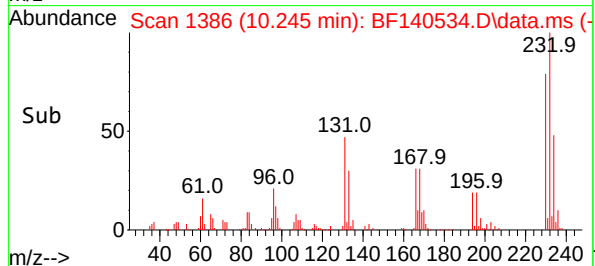
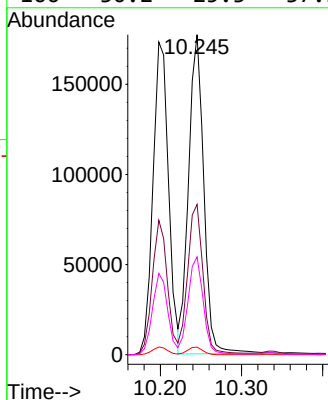
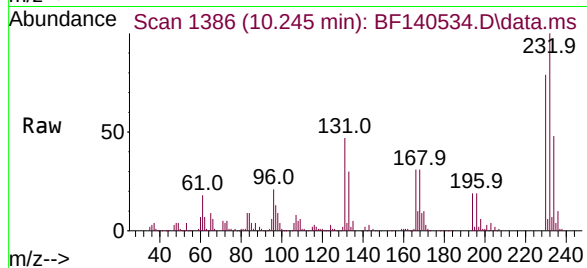




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.746 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

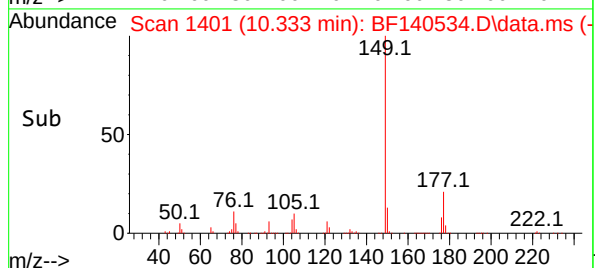
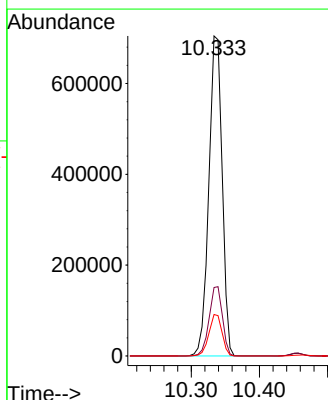
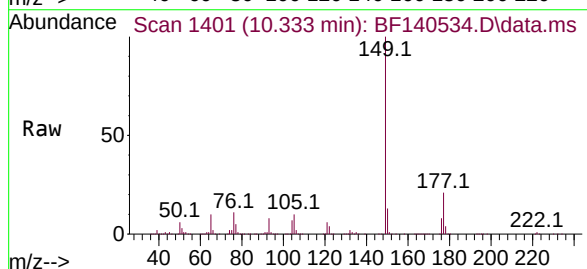
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

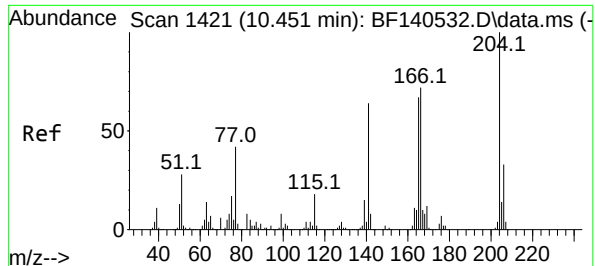
Tgt Ion:232 Resp: 230786
Ion Ratio Lower Upper
232 100
131 47.5 39.6 59.4
130 2.4 1.9 2.9
166 30.2 25.3 37.9



#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

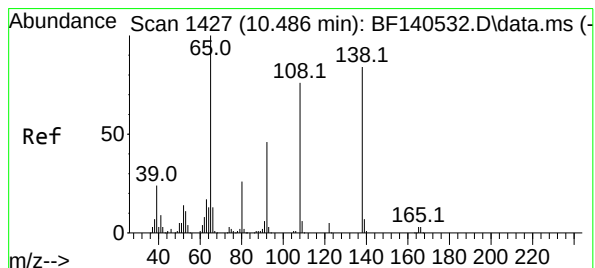
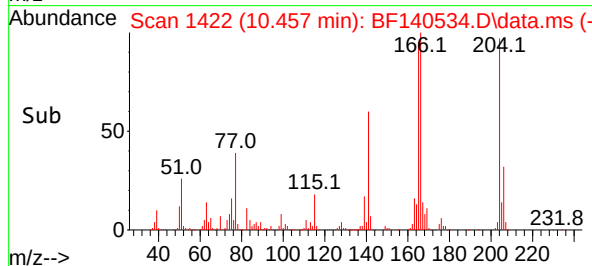
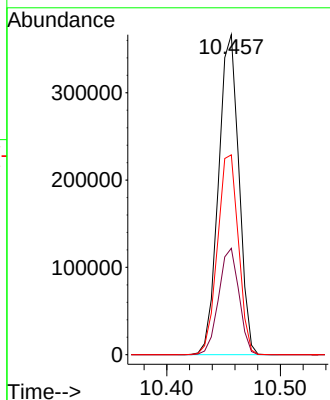
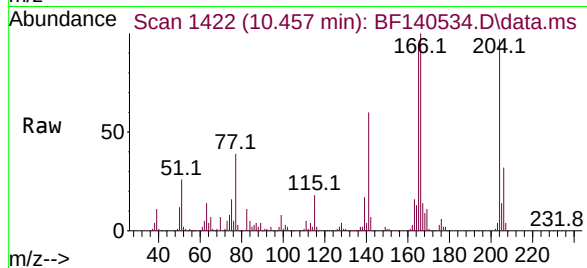




#61
4-Chlorophenyl-phenylether
Concen: 55.641 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

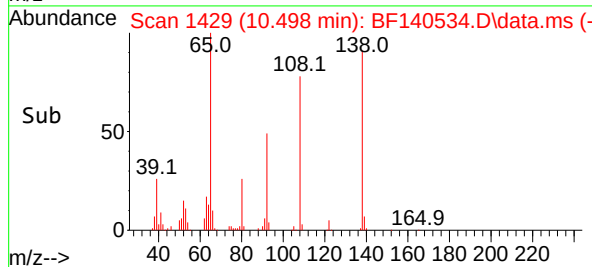
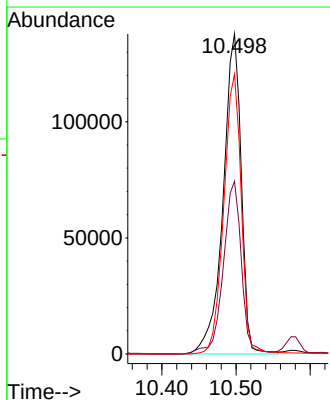
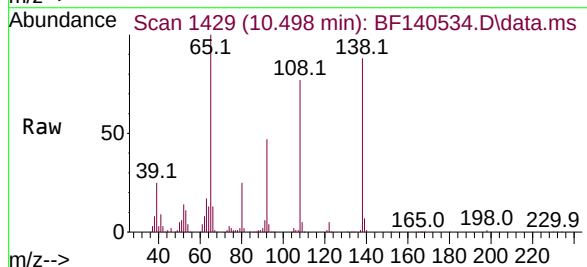
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

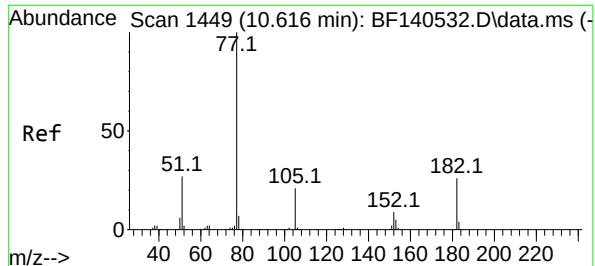
Tgt Ion:204 Resp: 457757
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 62.4 51.1 76.7



#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

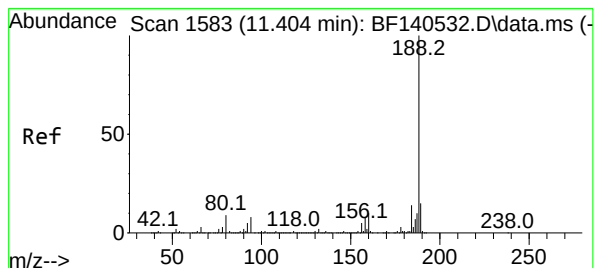
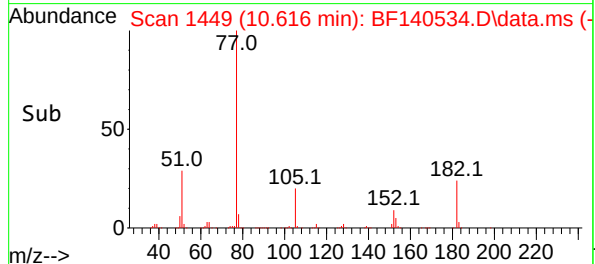
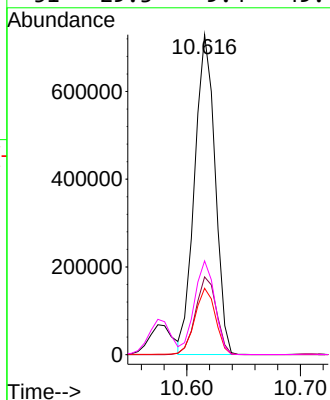
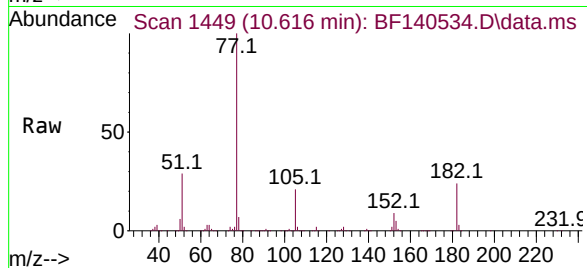




#63
Azobenzene
Concen: 57.097 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

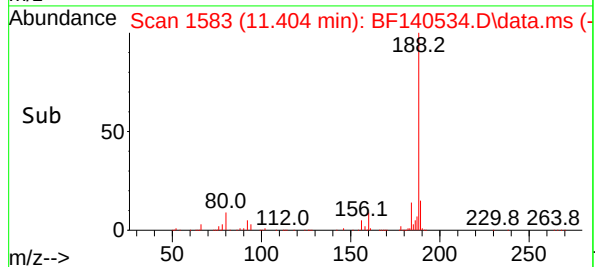
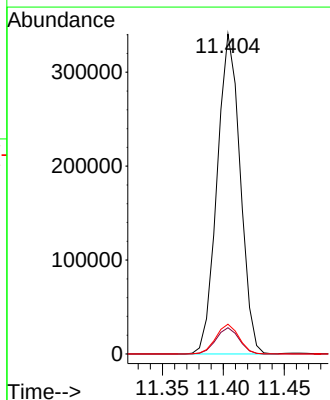
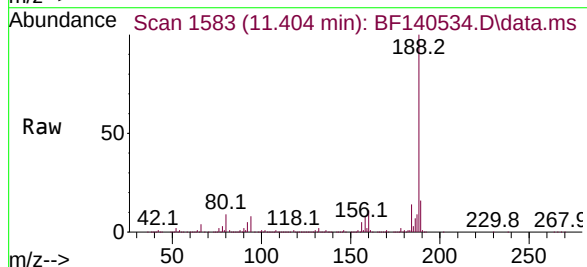
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

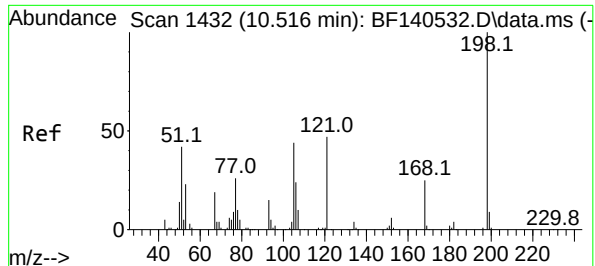
Tgt Ion:	77	Resp:	912145
Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.3	45.3
105	20.8	0.3	40.3
51	29.3	9.4	49.4



#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

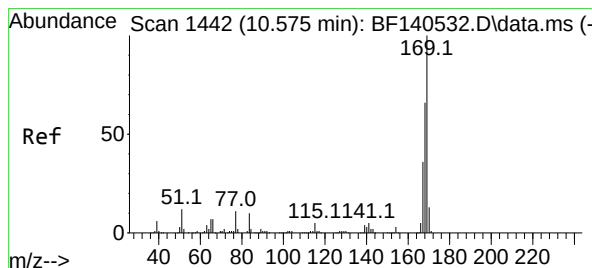
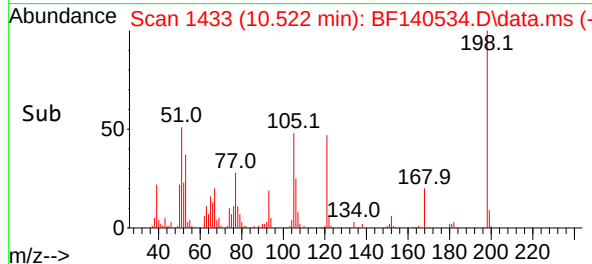
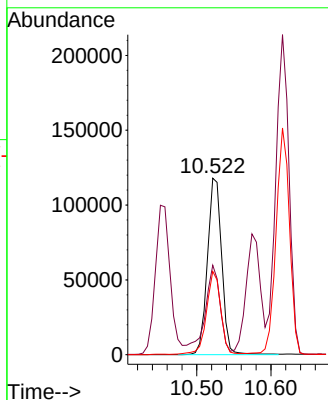
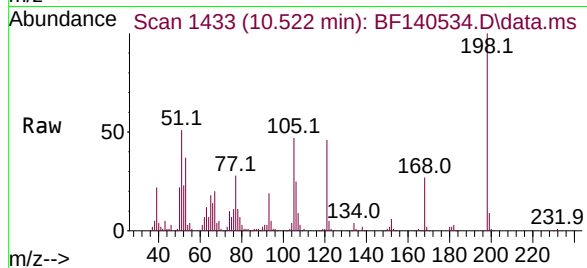




#65
4,6-Dinitro-2-methylphenol
Concen: 68.815 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

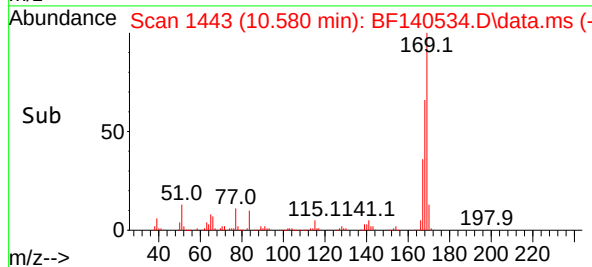
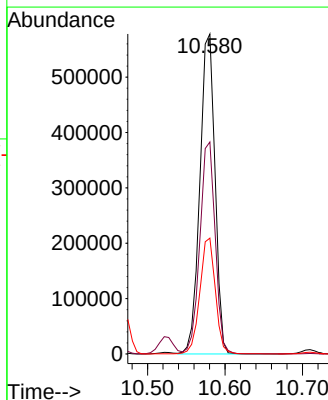
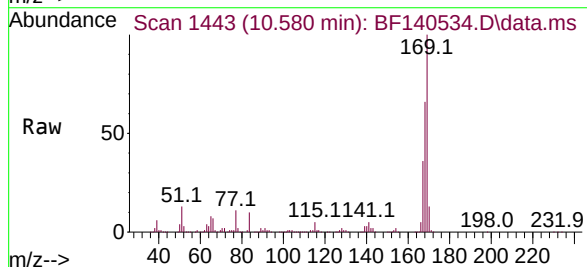
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

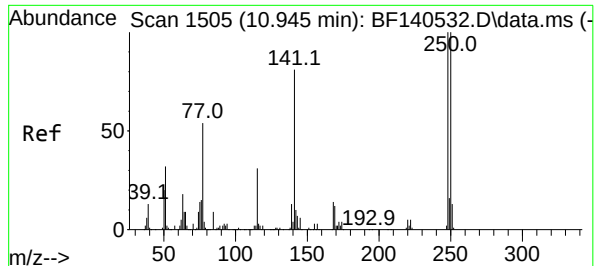
Tgt Ion:198 Resp: 158199
Ion Ratio Lower Upper
198 100
51 50.6 29.4 69.4
105 47.2 25.4 65.4



#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

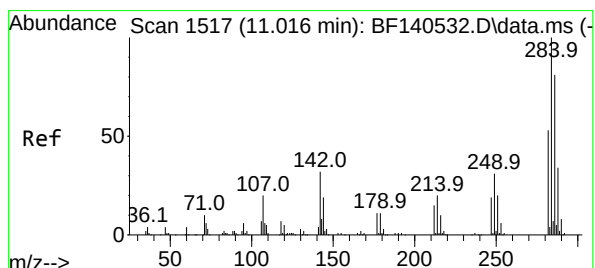
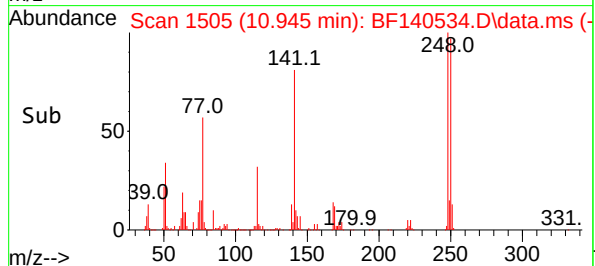
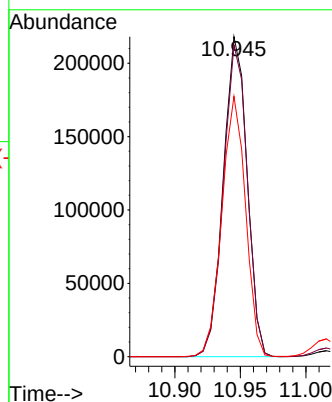
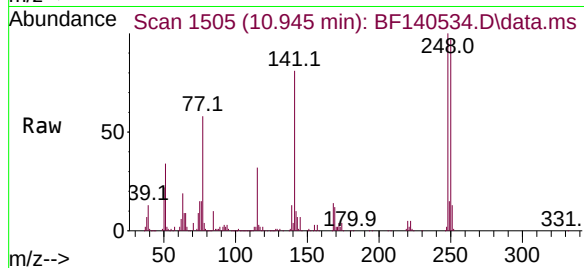




#67
4-Bromophenyl-phenylether
Concen: 59.628 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

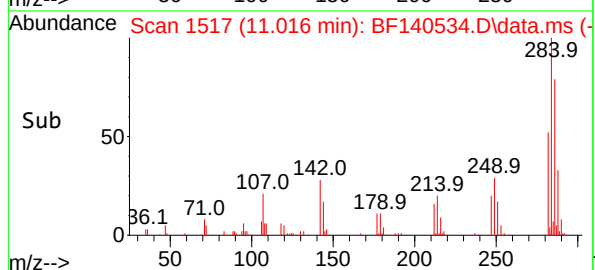
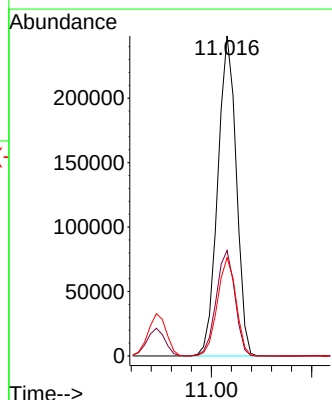
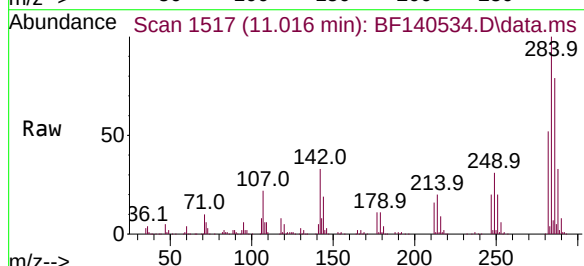
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

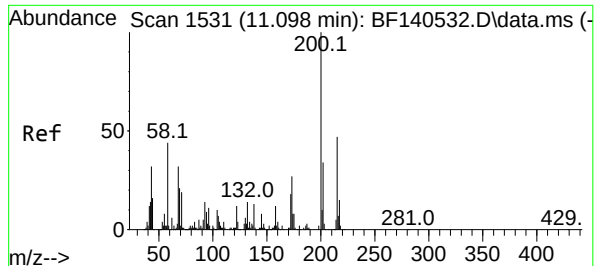
Tgt Ion:248 Resp: 276260
Ion Ratio Lower Upper
248 100
250 97.4 79.8 119.8
141 81.4 64.7 97.1



#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

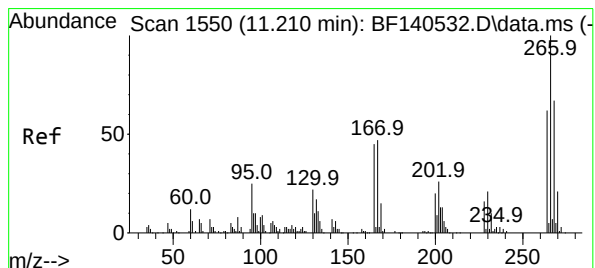
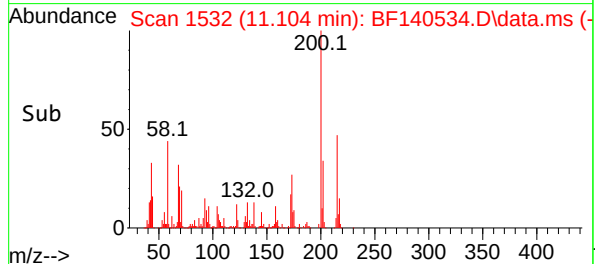
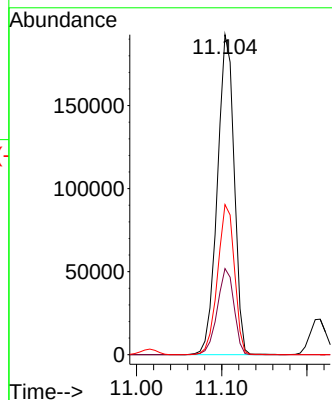
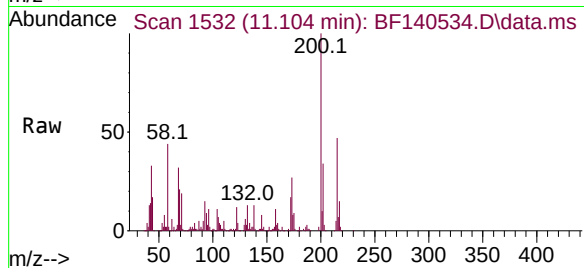




#69
Atrazine
Concen: 70.679 ng
RT: 11.104 min Scan# 1532
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

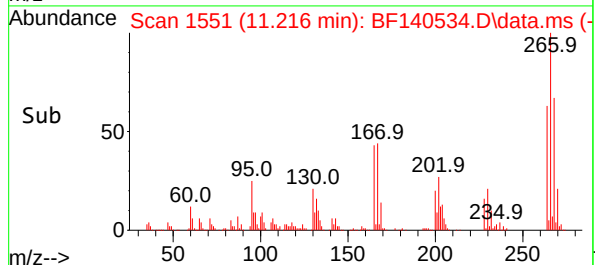
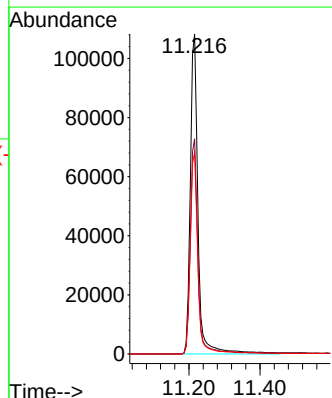
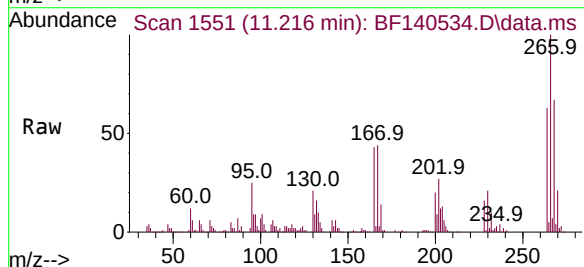
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

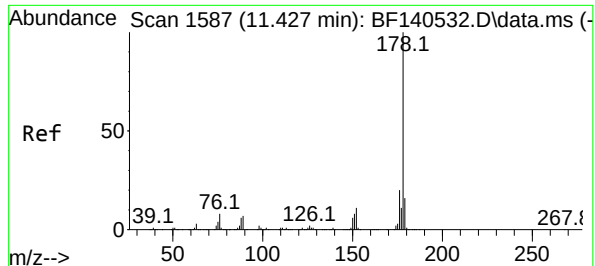
Tgt Ion:200 Resp: 264529
Ion Ratio Lower Upper
200 100
173 26.9 7.0 47.0
215 46.9 26.7 66.7



#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

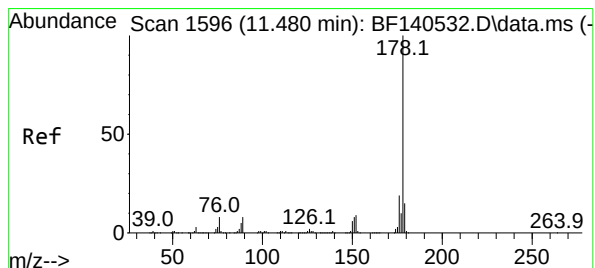
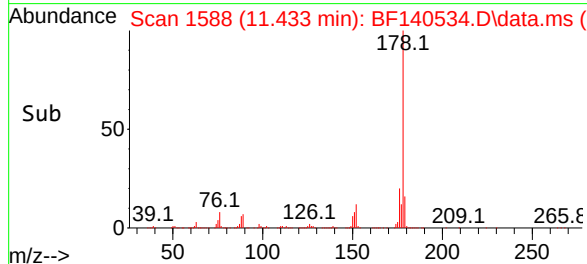
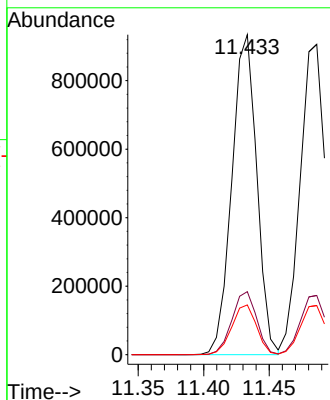
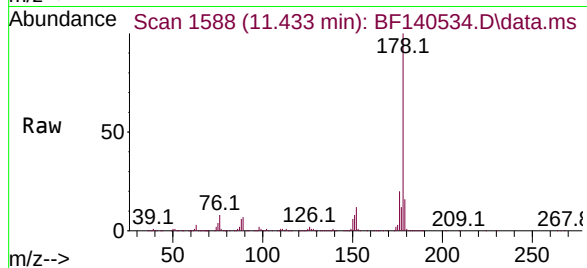




#71
Phenanthrene
Concen: 57.156 ng
RT: 11.433 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

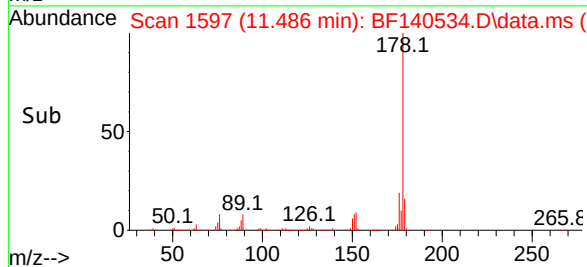
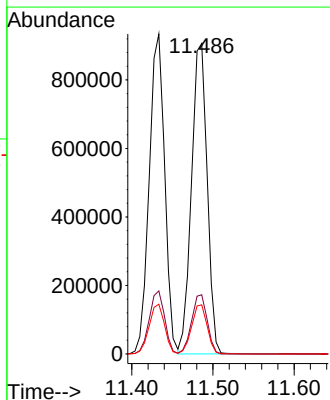
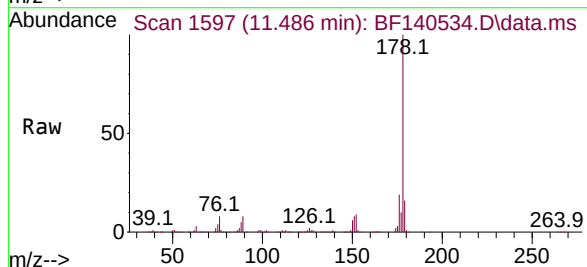
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

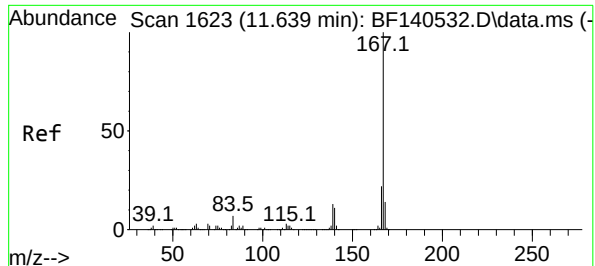
Tgt Ion:178 Resp: 1236004
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.6 12.4 18.6



#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

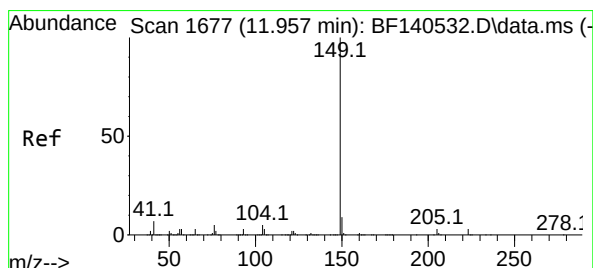
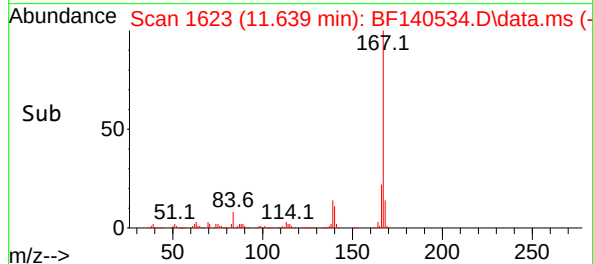
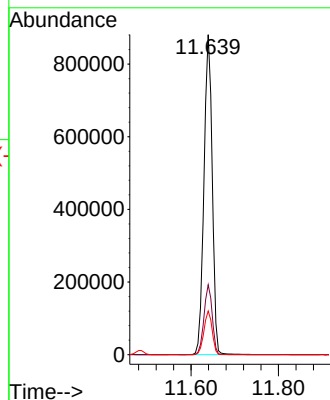
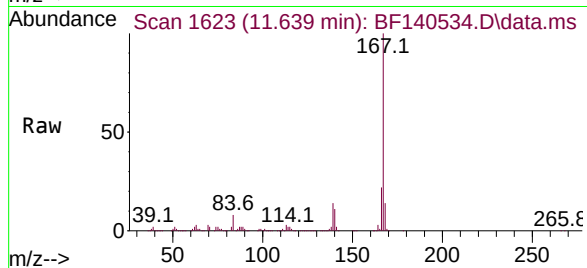




#73
Carbazole
Concen: 57.171 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

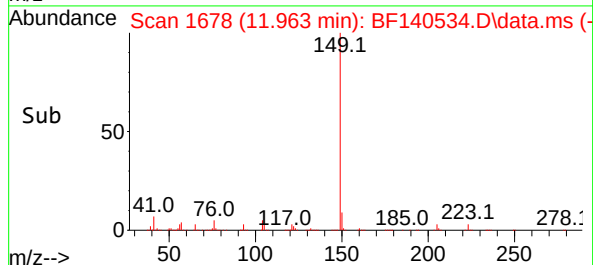
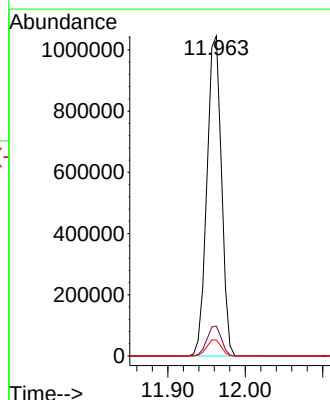
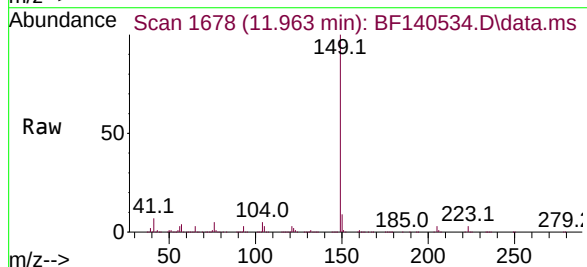
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

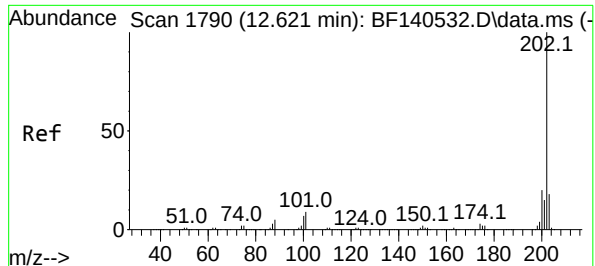
Tgt Ion:167 Resp: 1163411
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 13.6 10.6 15.8



#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

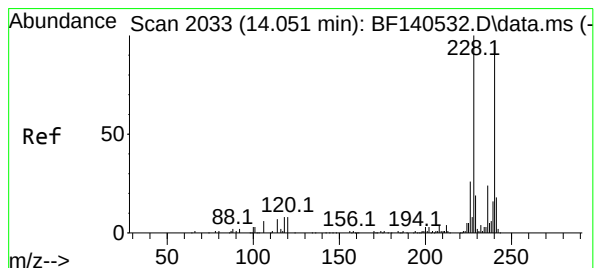
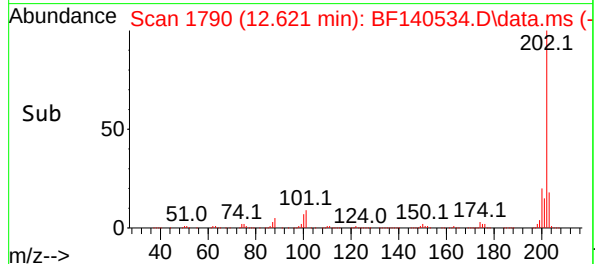
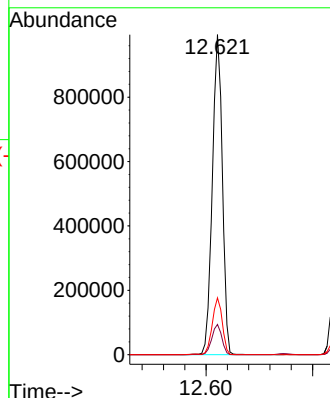
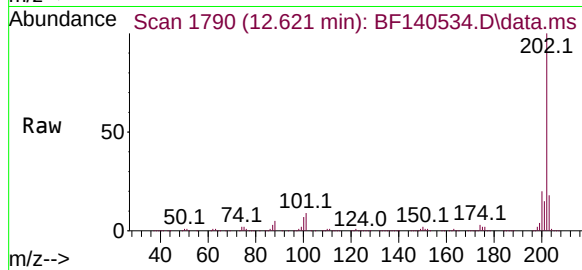




#75
Fluoranthene
Concen: 55.323 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

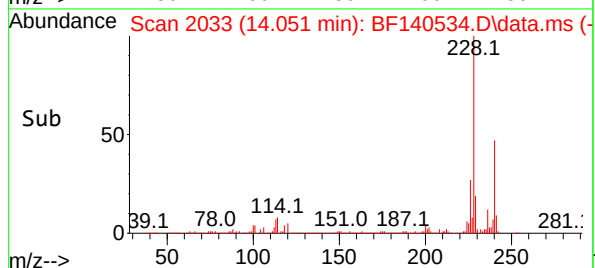
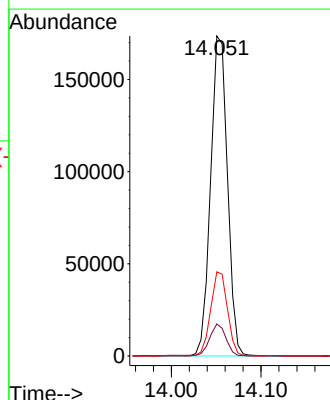
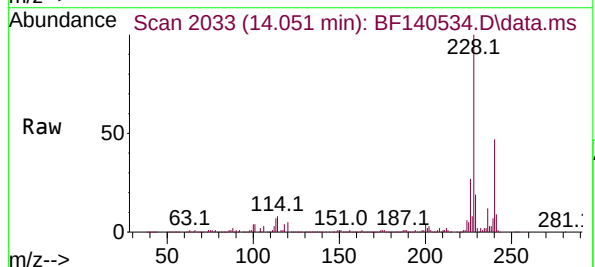
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

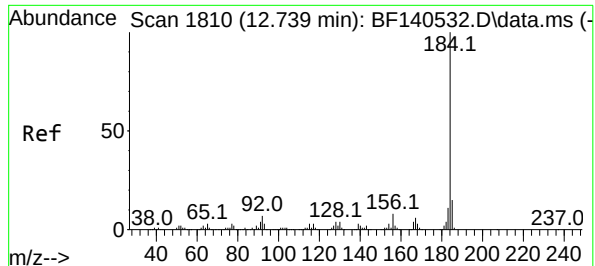
Tgt Ion:202 Resp: 1298953
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.9
203 17.7 0.0 37.6



#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

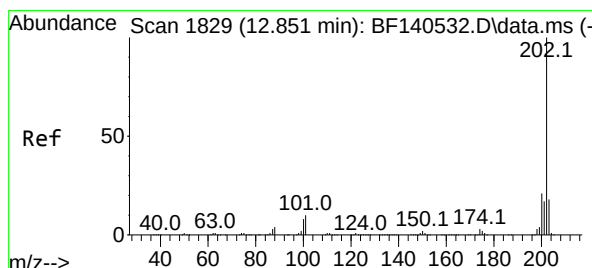
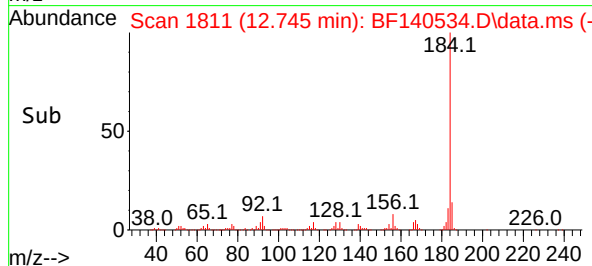
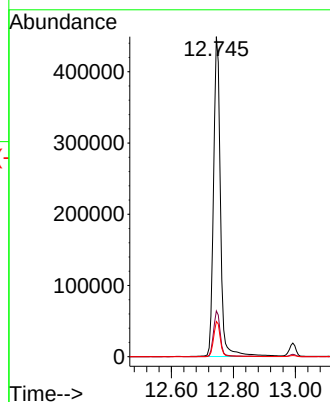
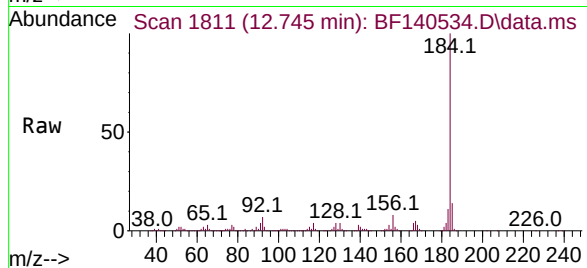
Tgt Ion:184 Resp: 696576

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

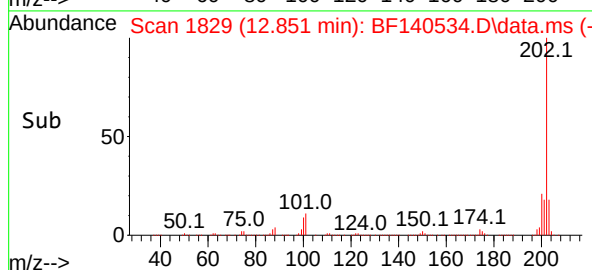
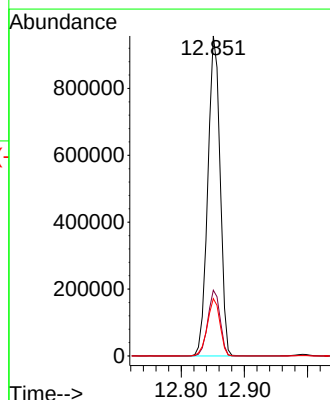
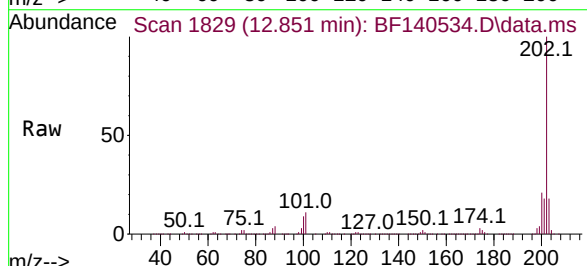
Tgt Ion:202 Resp: 1289961

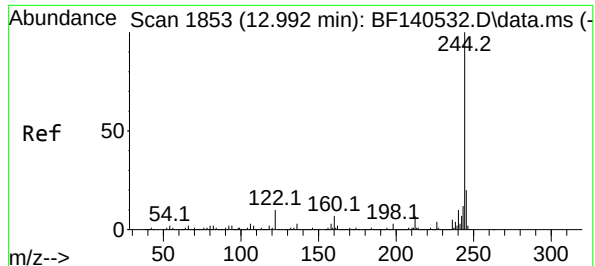
Ion Ratio Lower Upper

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

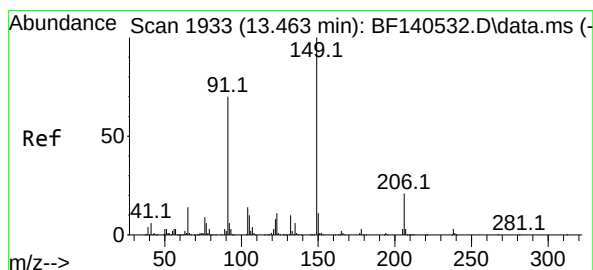
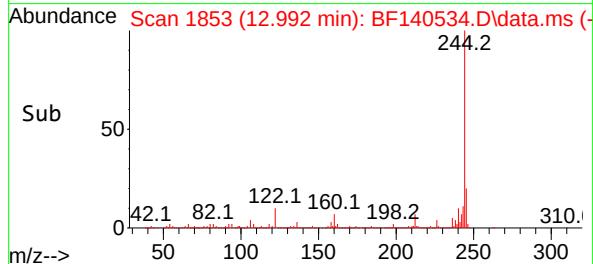
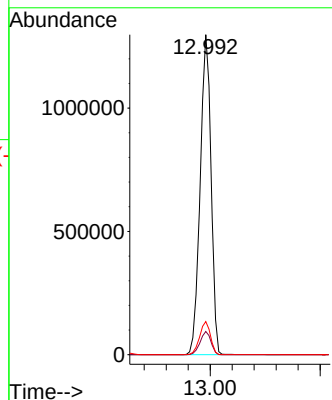
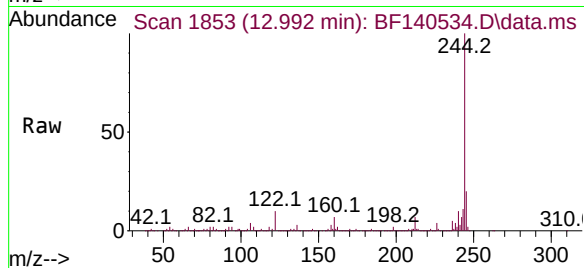
Tgt Ion:244 Resp: 1783980

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

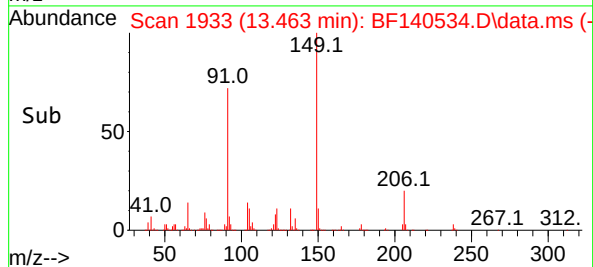
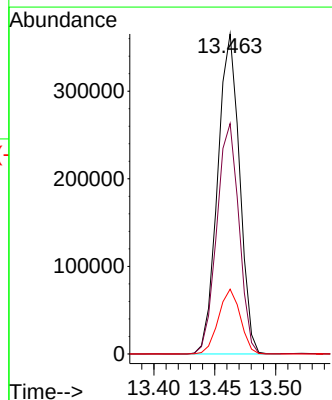
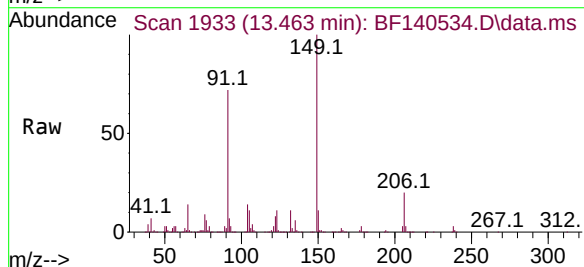
Tgt Ion:149 Resp: 458296

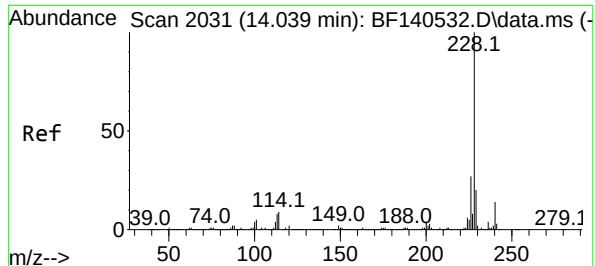
Ion Ratio Lower Upper

149 100

91 72.0 56.2 84.2

206 20.3 16.4 24.6

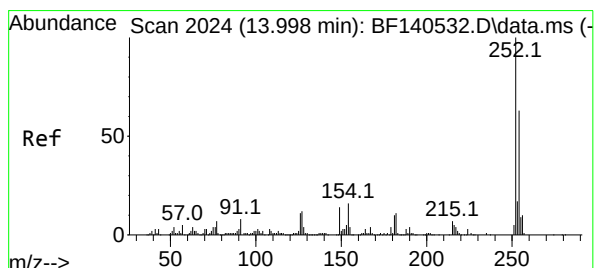
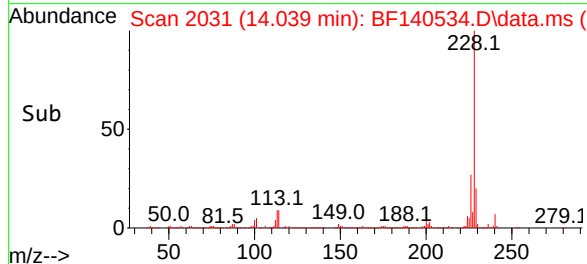
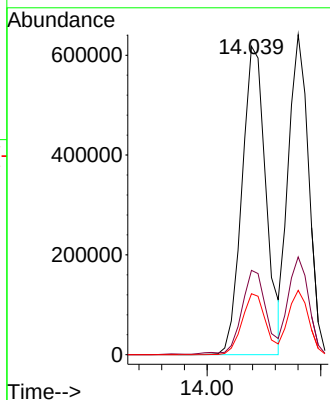
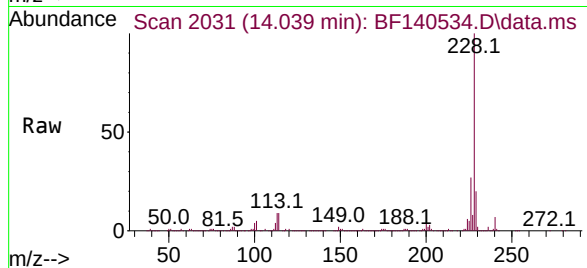




#81
Benzo(a)anthracene
Concen: 60.640 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

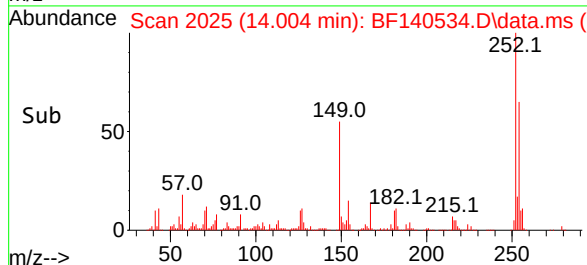
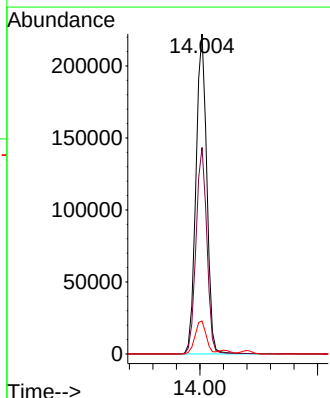
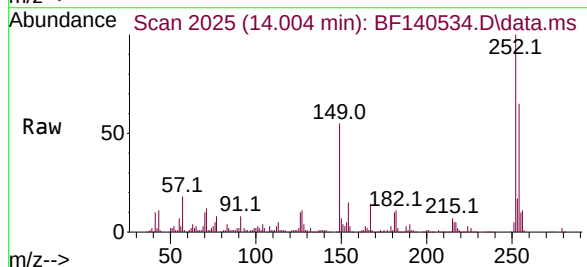
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

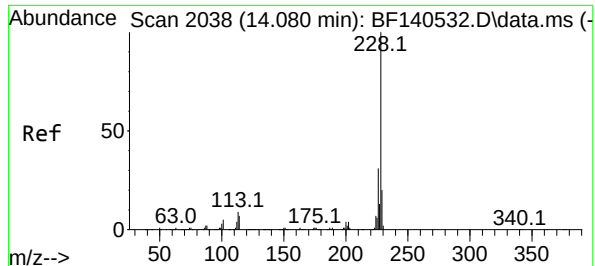
Tgt Ion:228 Resp: 909243
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.8 15.8 23.6



#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

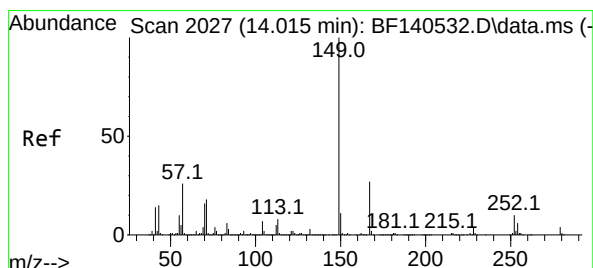
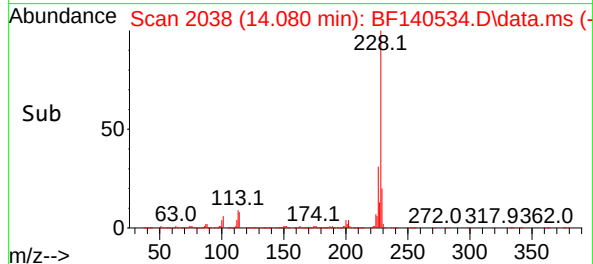
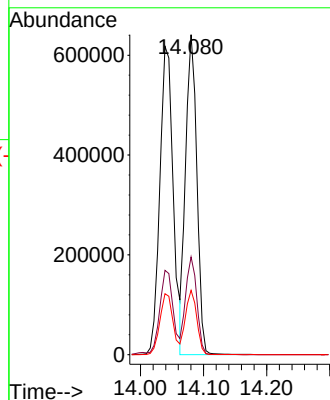
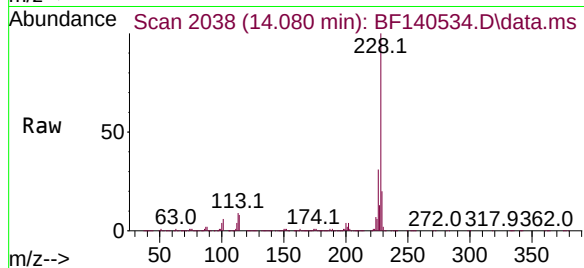




#83
Chrysene
Concen: 58.142 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

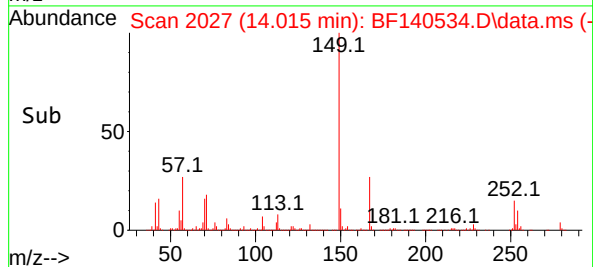
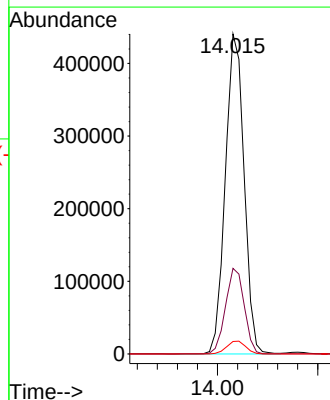
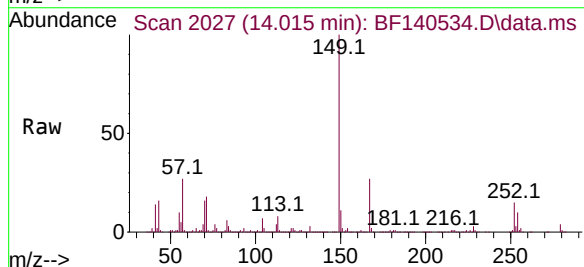
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

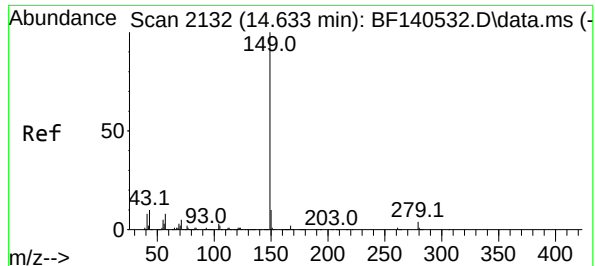
Tgt Ion	228	226	229
Resp	797151		
Ratio	100	30.6	20.1
Lower		24.4	15.8
Upper		36.6	23.6



#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		
Ratio	100	26.7	3.9
Lower		21.2	3.2
Upper		31.8	4.8

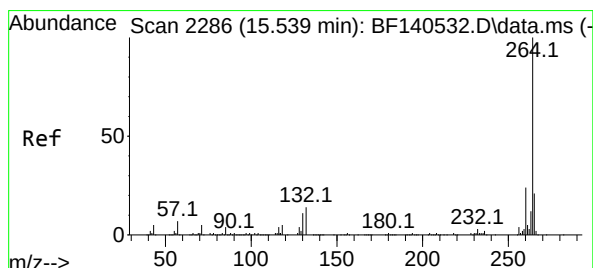
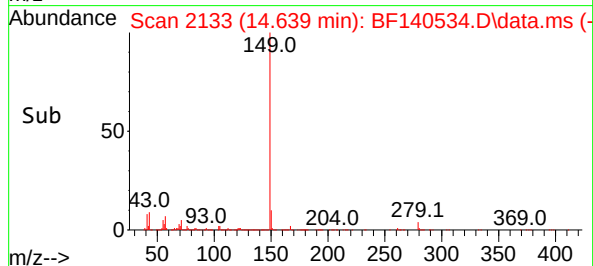
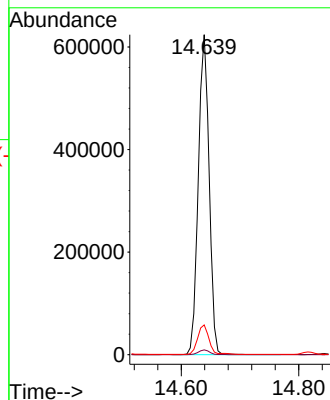
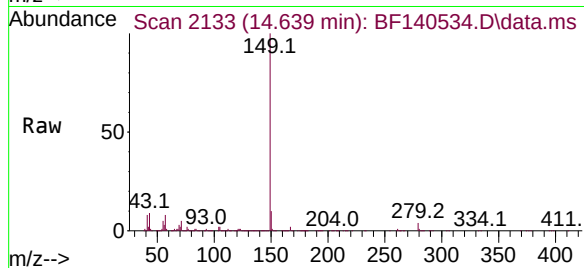




#85
Di-n-octyl phthalate
Concen: 61.012 ng
RT: 14.639 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

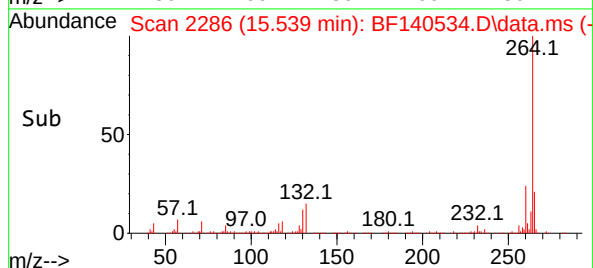
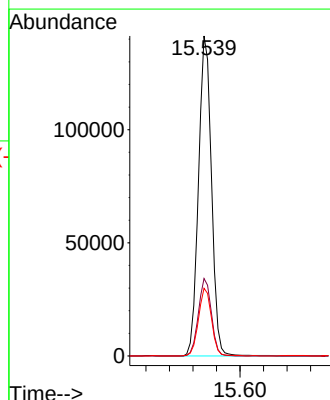
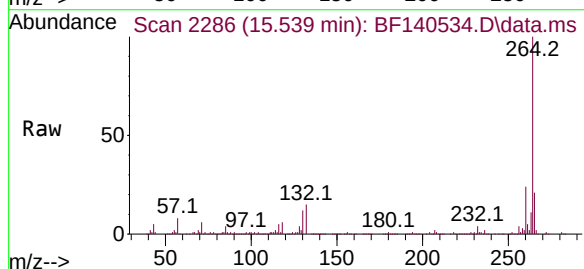
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

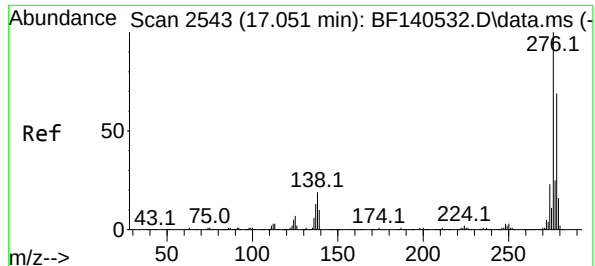
Tgt Ion:149 Resp: 794359
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.7 7.7 11.5



#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# 21

Delta R.T. 0.012 min

Lab File: BF140534.D

Acq: 21 Nov 2024 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

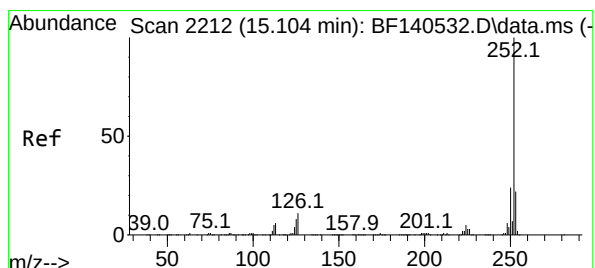
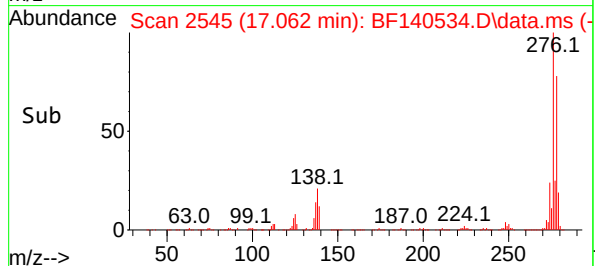
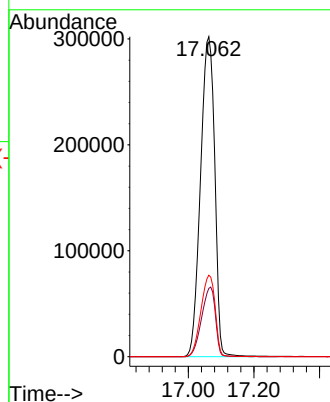
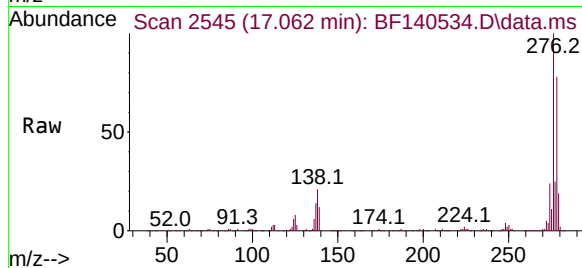
Tgt Ion:276 Resp: 914265

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

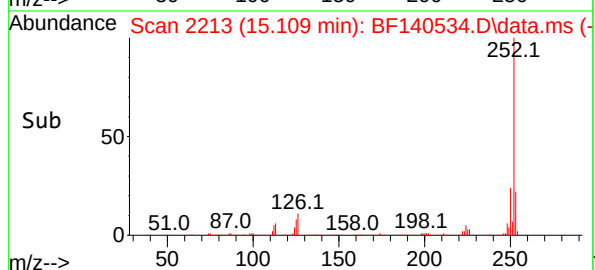
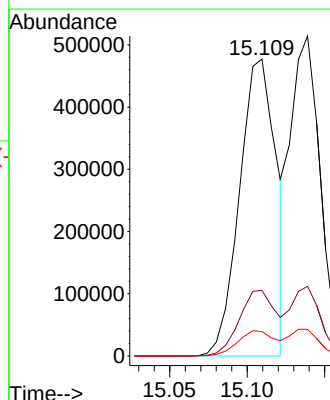
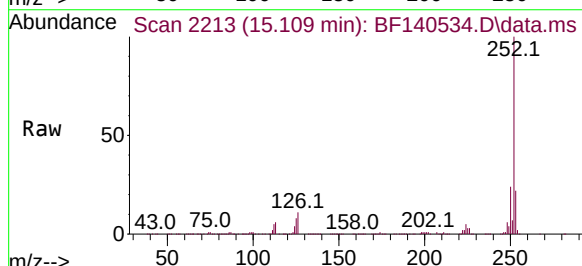
Tgt Ion:252 Resp: 782997

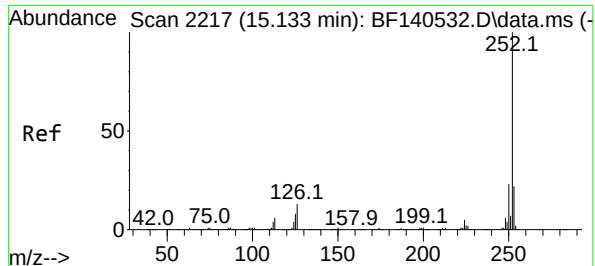
Ion Ratio Lower Upper

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

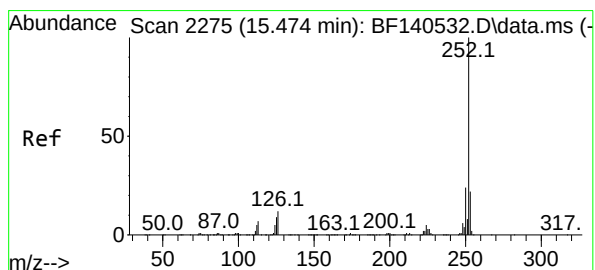
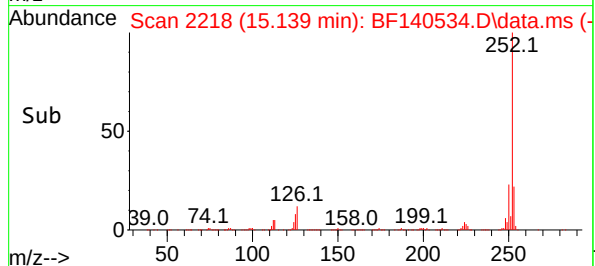
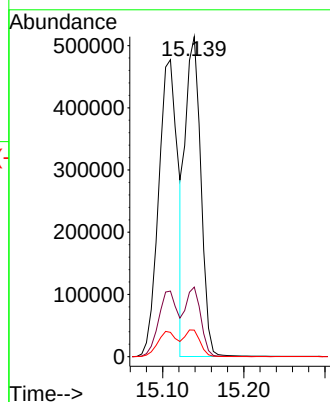
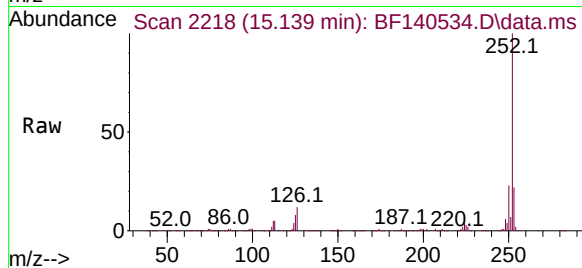
Tgt Ion:252 Resp: 684548

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

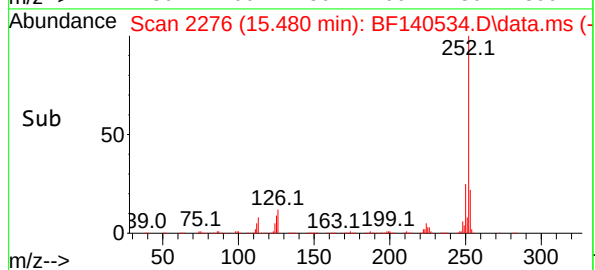
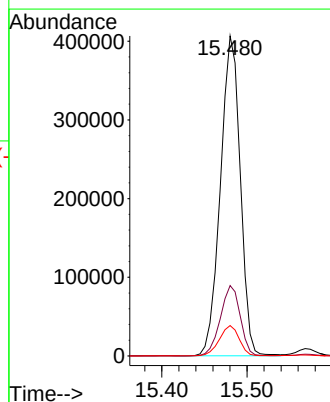
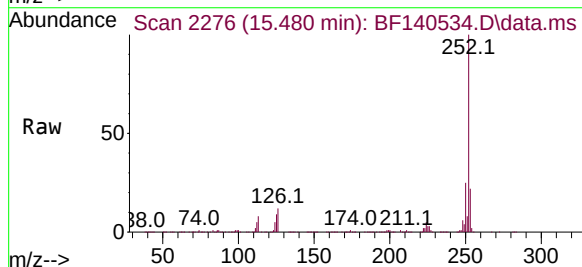
Tgt Ion:252 Resp: 657502

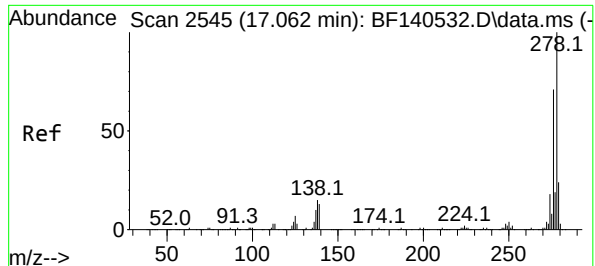
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 9.5 7.0 10.6

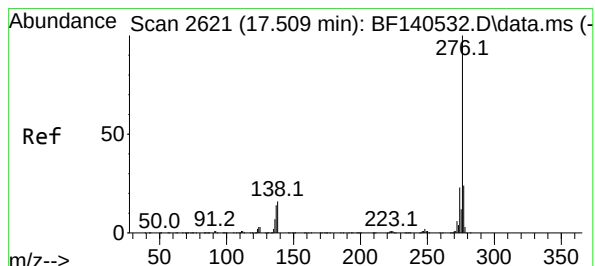
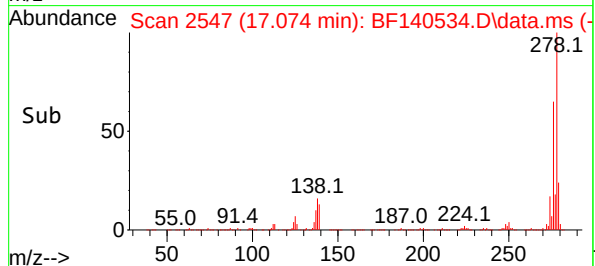
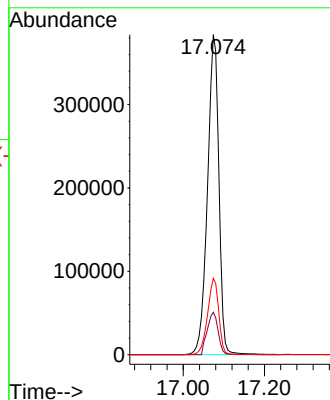
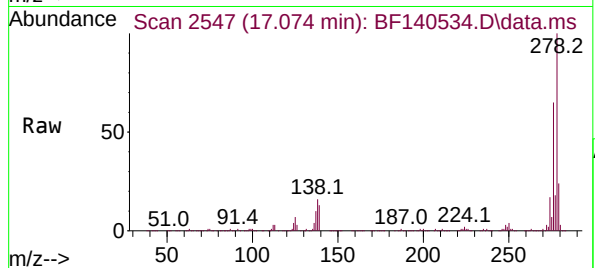




#91
Dibenzo(a,h)anthracene
Concen: 64.606 ng
RT: 17.074 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF140534.D
Acq: 21 Nov 2024 13:51

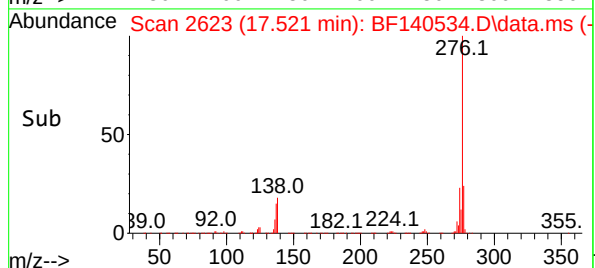
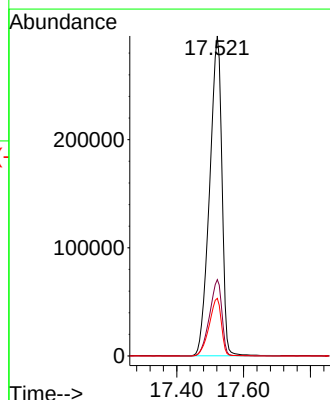
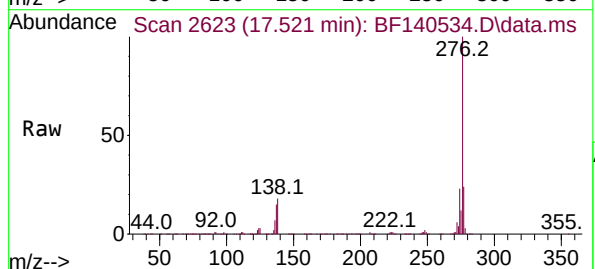
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

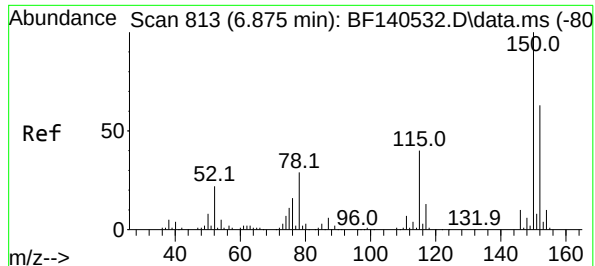
Quant Time: Nov 21 15:15:15 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

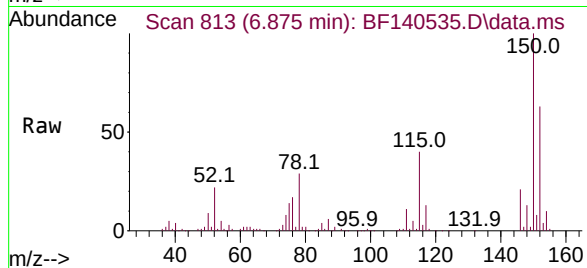
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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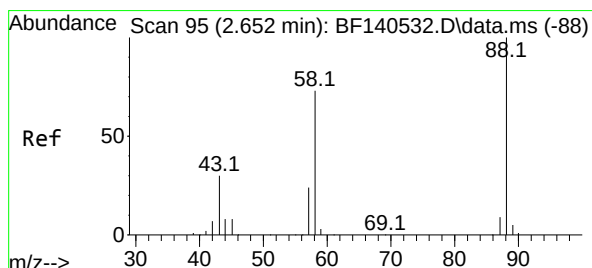
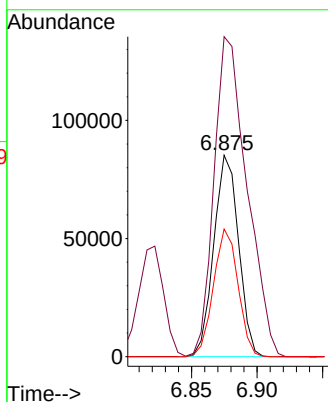
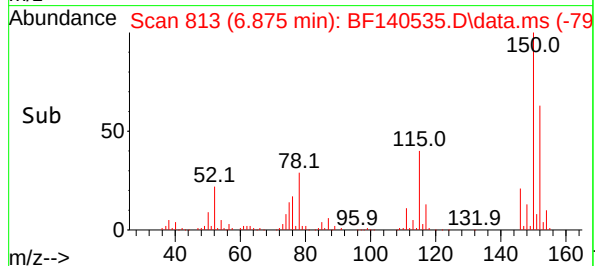


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

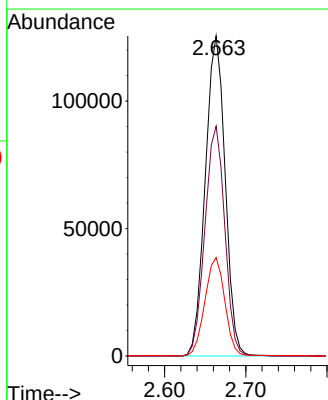
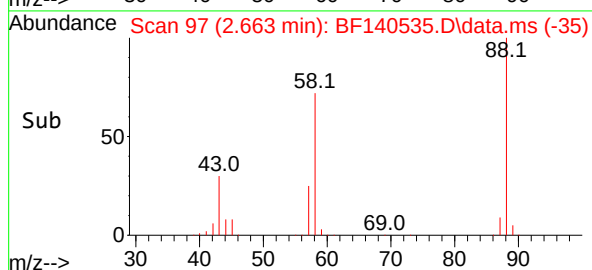
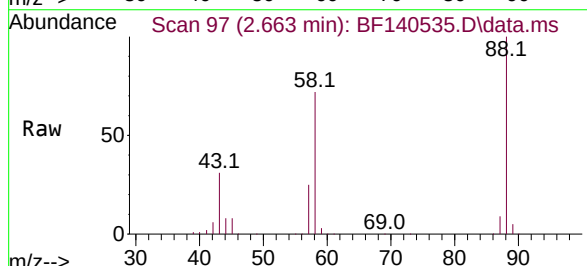


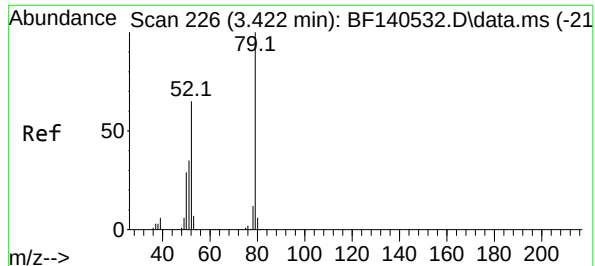
Tgt Ion:152 Resp: 111872
Ion Ratio Lower Upper
152 100
150 158.9 128.5 192.7
115 63.4 50.2 75.4



#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

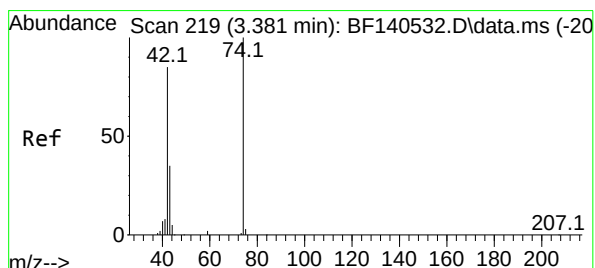
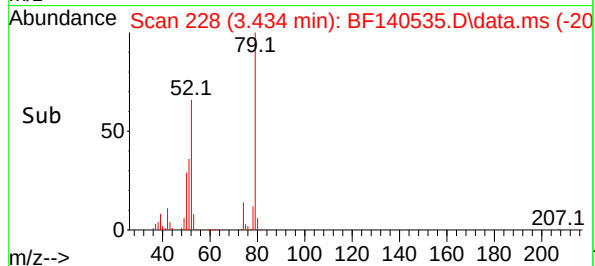
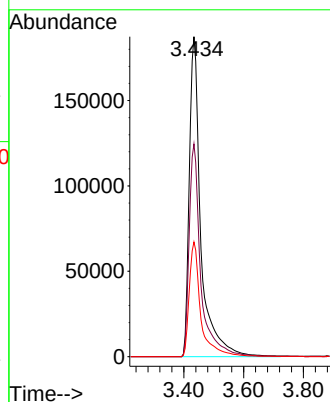
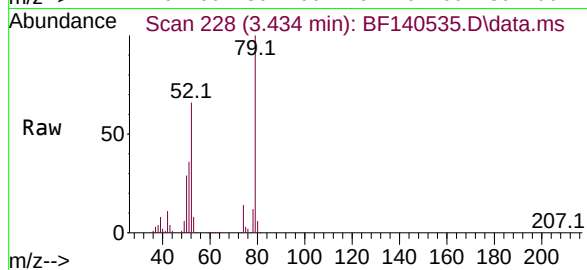
Tgt Ion: 79 Resp: 504657

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

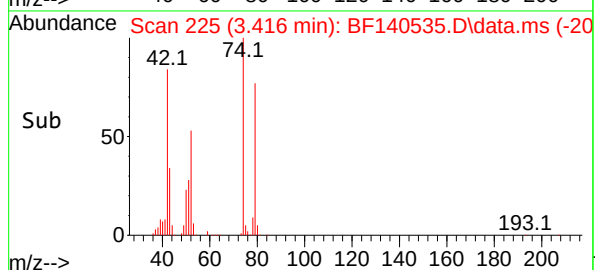
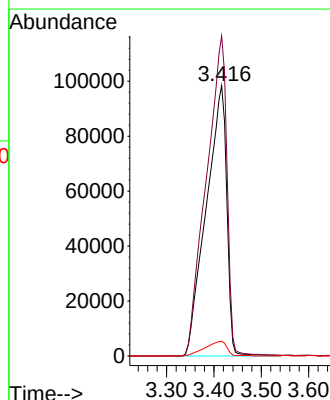
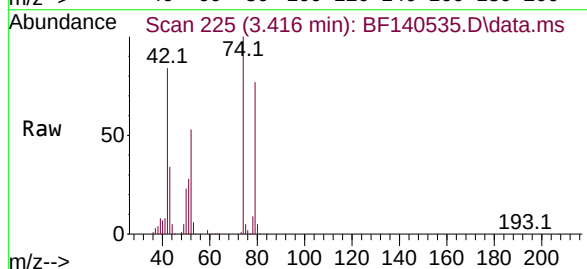
Tgt Ion: 42 Resp: 295436

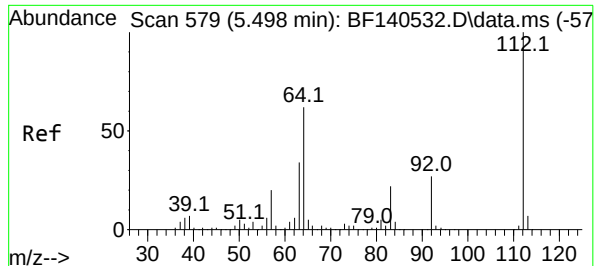
Ion Ratio Lower Upper

42 100

74 118.4 93.8 140.6

44 5.4 4.6 6.8

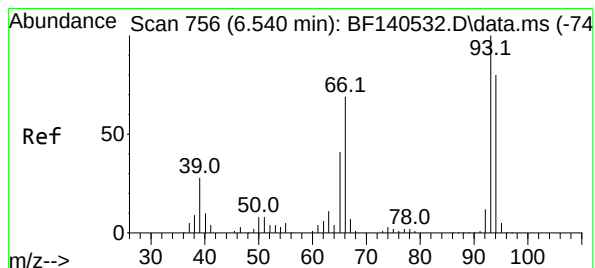
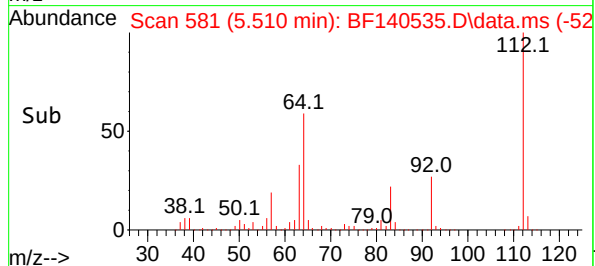
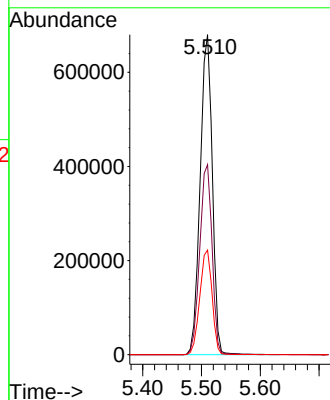
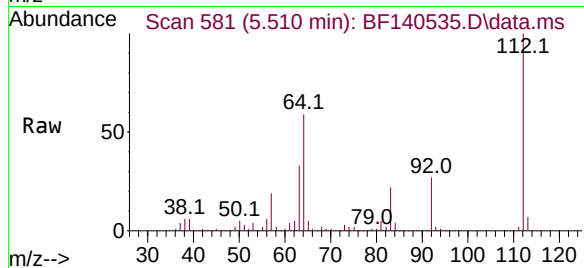




#5
2-Fluorophenol
Concen: 148.979 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

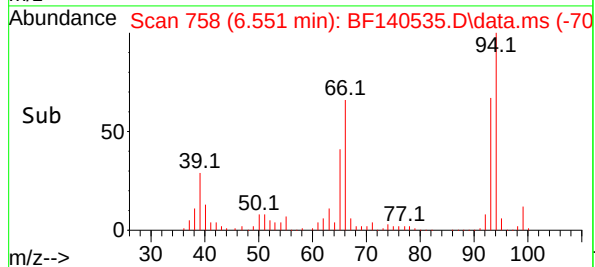
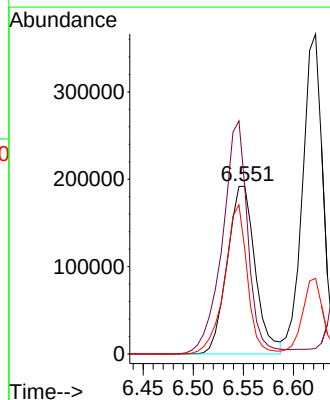
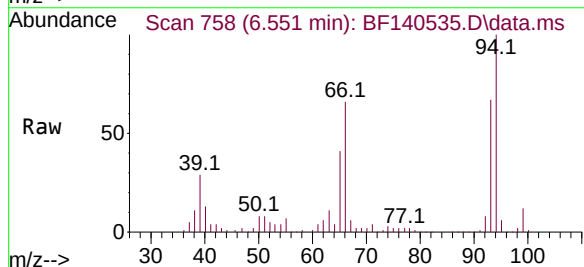
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

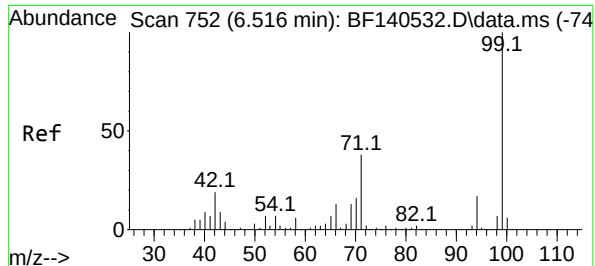
Tgt Ion:112 Resp: 976816
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 32.7 27.0 40.4



#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#

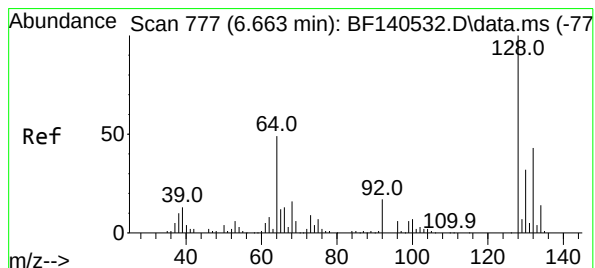
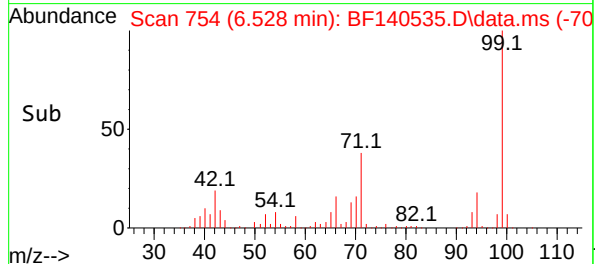
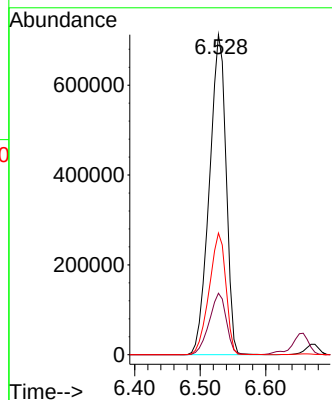
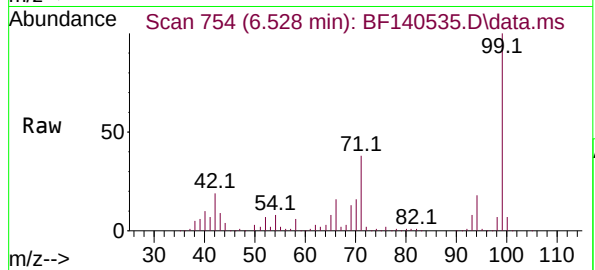




#7
Phenol-d6
Concen: 145.284 ng
RT: 6.528 min Scan# 711
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

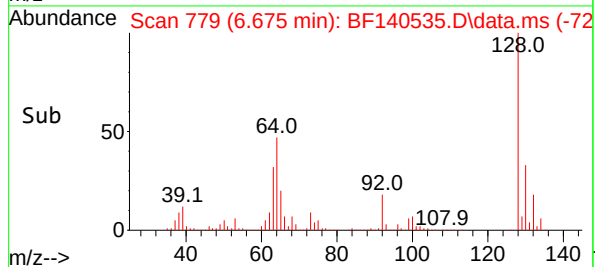
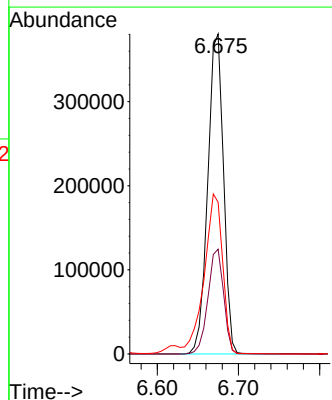
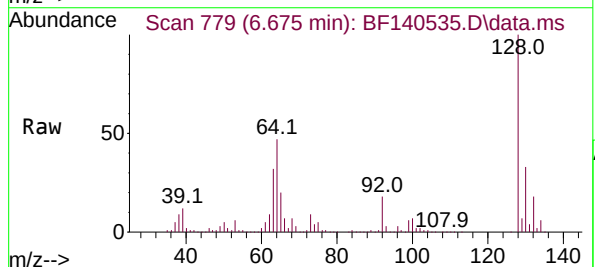
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

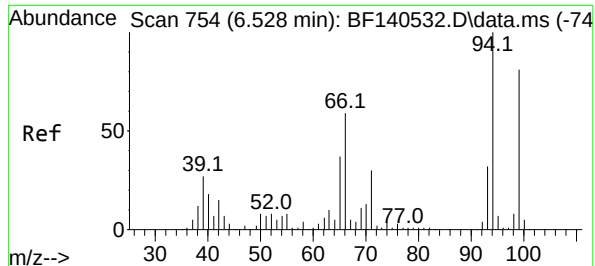
Tgt Ion: 99 Resp: 1259345
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.0
71 38.0 30.6 46.0



#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

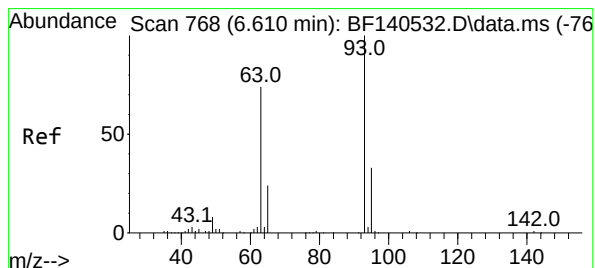
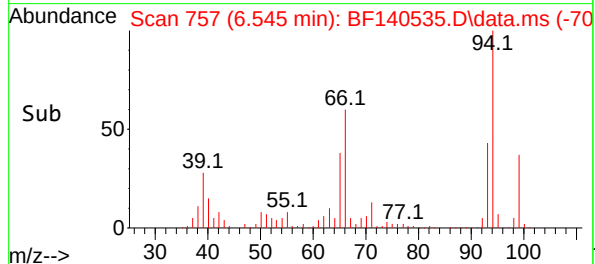
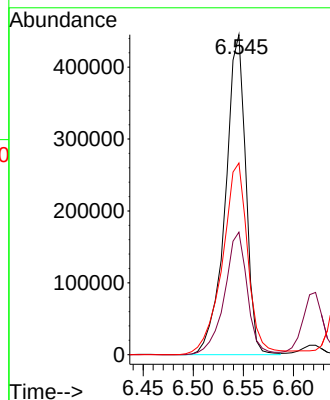
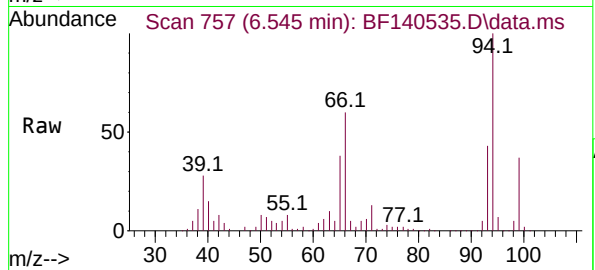




#10
Phenol
Concen: 71.609 ng
RT: 6.545 min Scan# 710
Delta R.T. 0.018 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

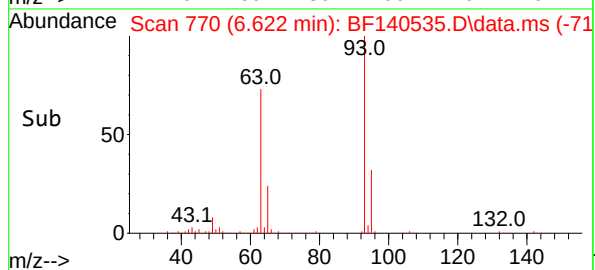
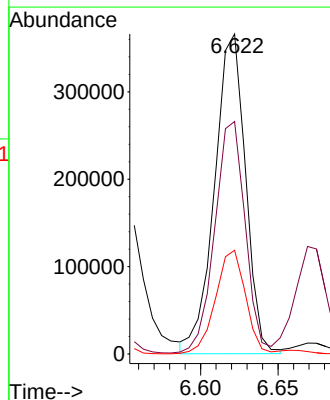
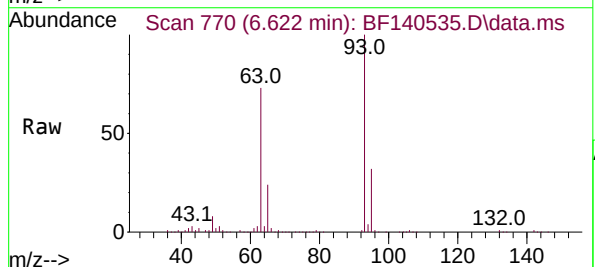
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

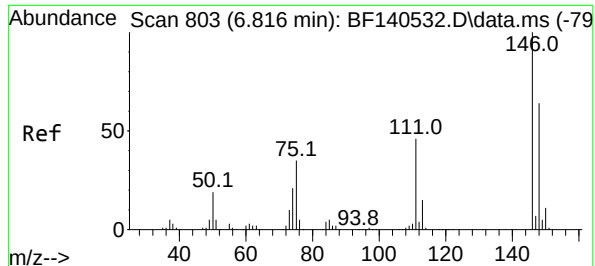
Tgt Ion: 94 Resp: 633910
Ion Ratio Lower Upper
94 100
65 38.3 17.2 57.2
66 59.9 39.2 79.2



#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

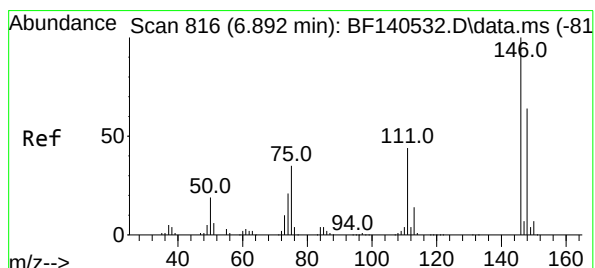
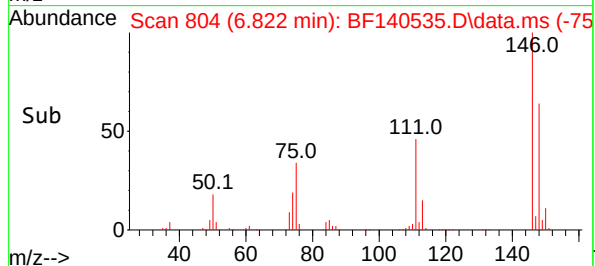
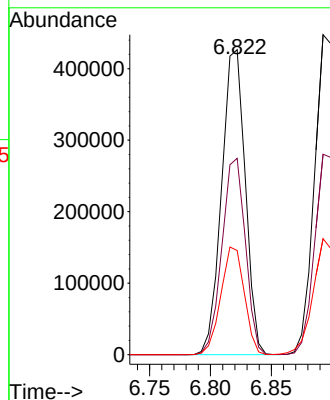
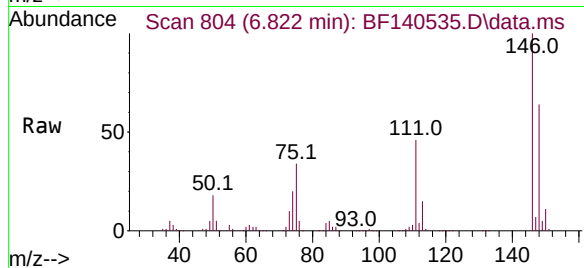
Tgt Ion:146 Resp: 576538

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

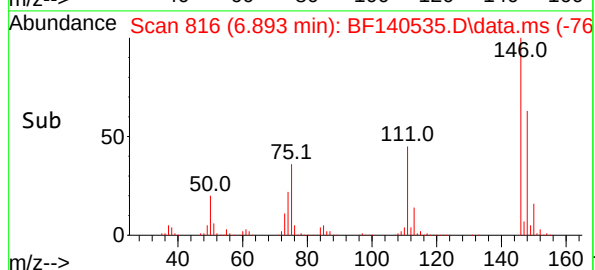
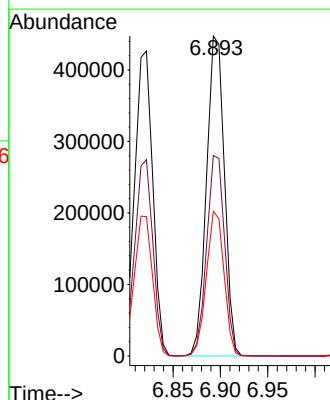
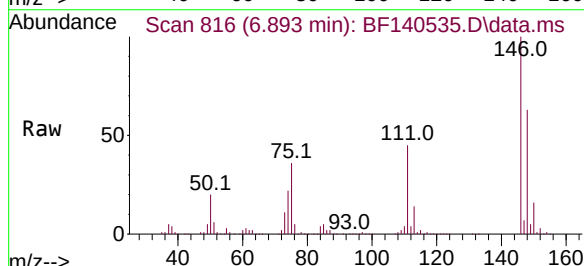
Tgt Ion:146 Resp: 587901

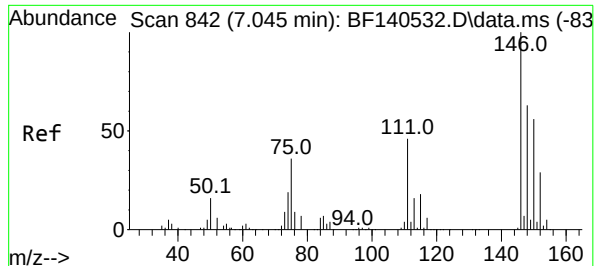
Ion Ratio Lower Upper

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

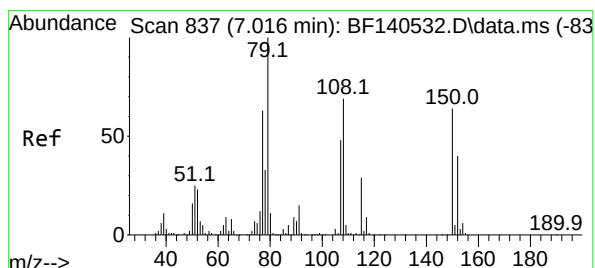
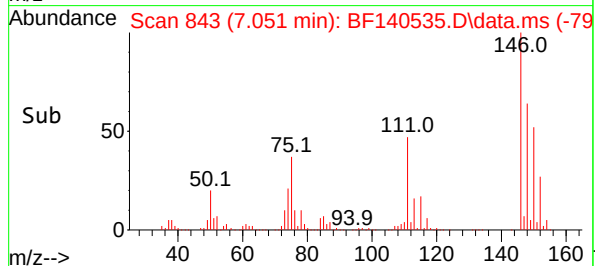
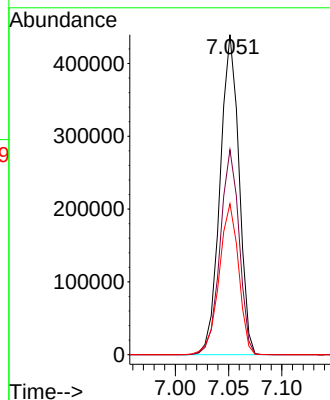
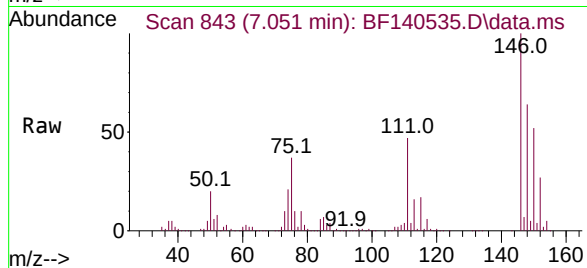
Tgt Ion:146 Resp: 541244

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

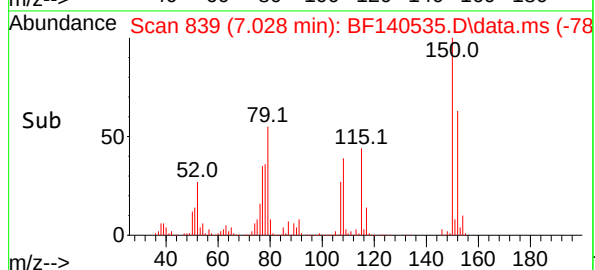
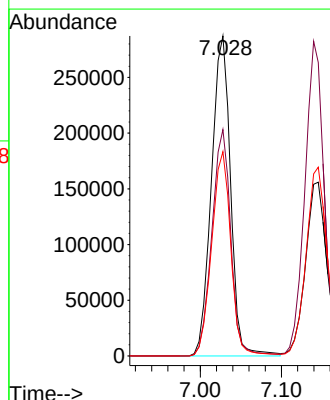
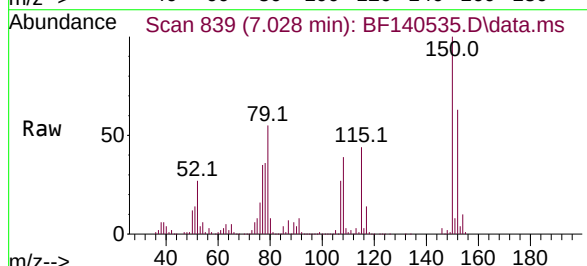
Tgt Ion: 79 Resp: 469135

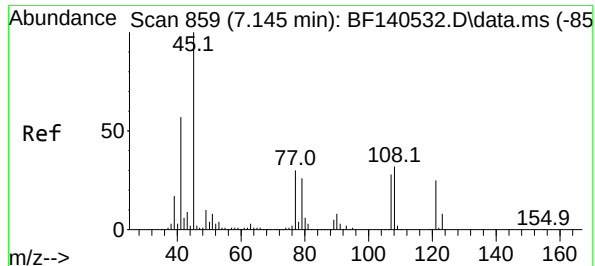
Ion Ratio Lower Upper

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

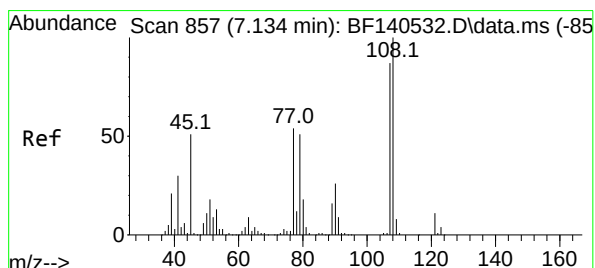
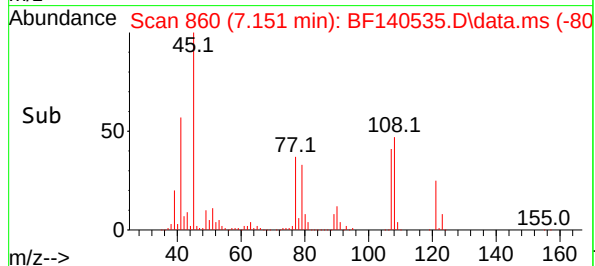
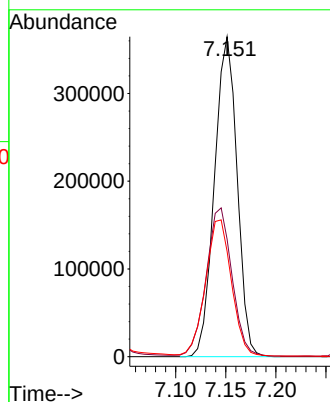
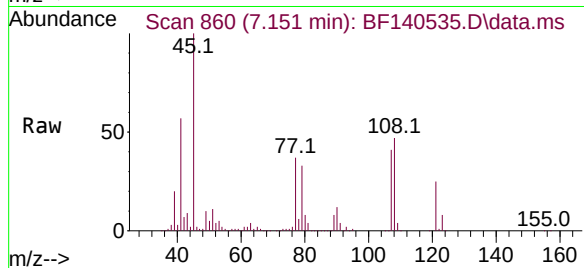
Tgt Ion: 45 Resp: 571163

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

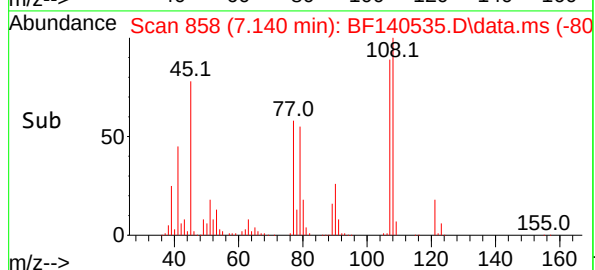
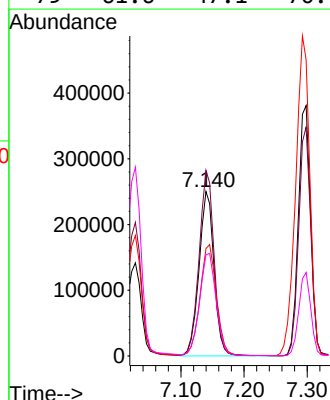
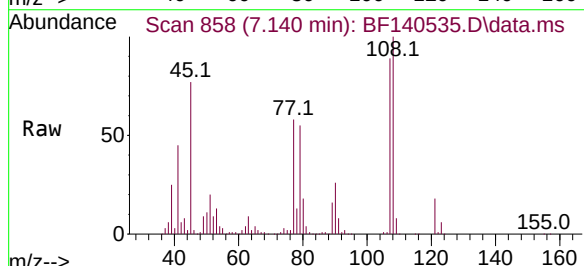
Ion Ratio Lower Upper

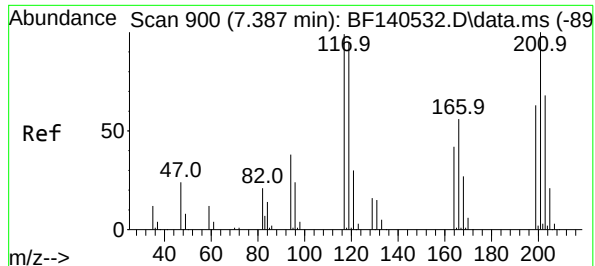
107 100

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 :

SSTDIC080

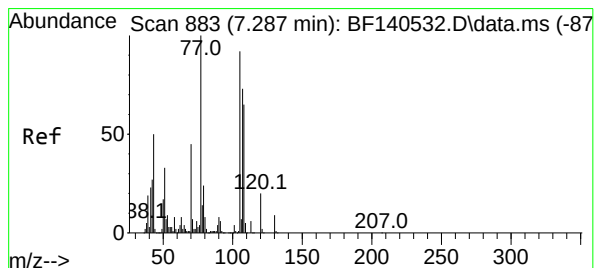
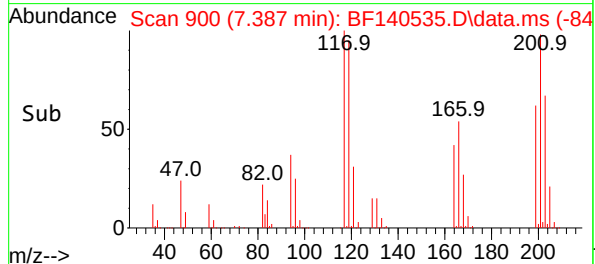
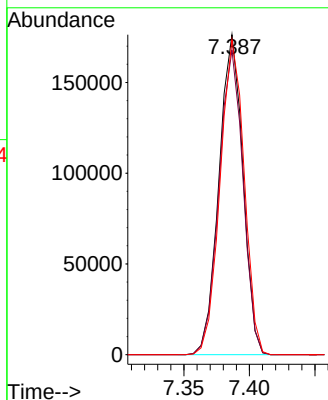
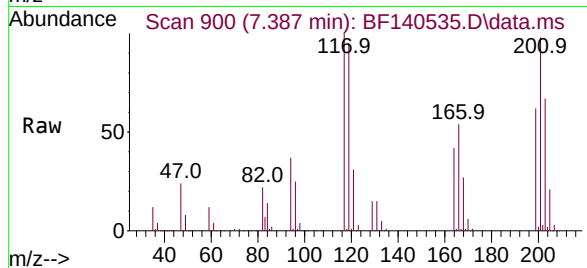
Tgt Ion:117 Resp: 223281

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

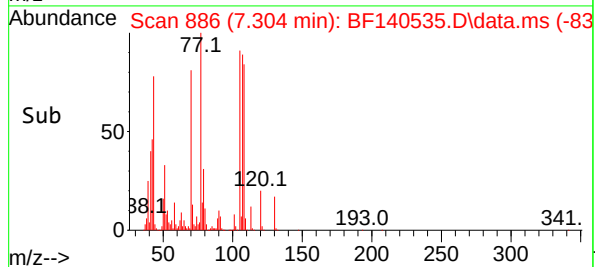
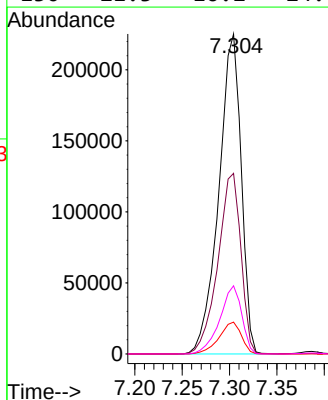
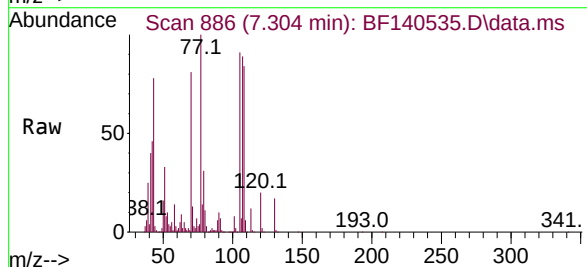
Ion Ratio Lower Upper

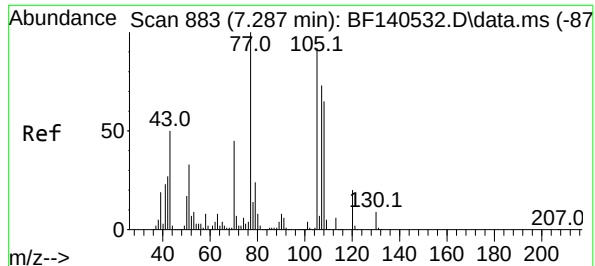
70 100

42 56.4 47.6 71.4

101 10.0 7.6 11.4

130 21.3 16.2 24.4

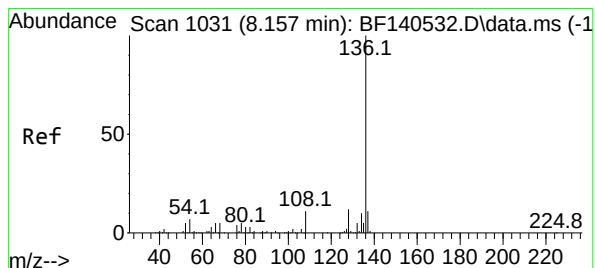
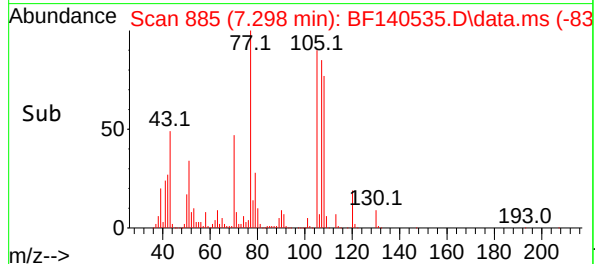
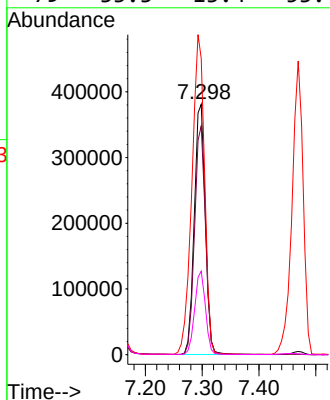
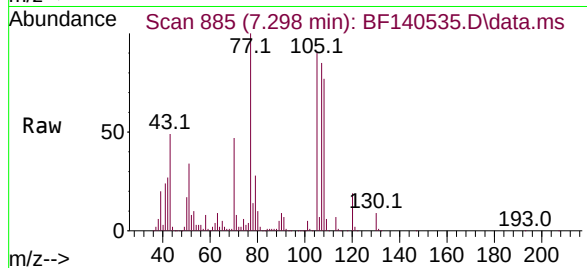




#20
3+4-Methylphenols
Concen: 71.155 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

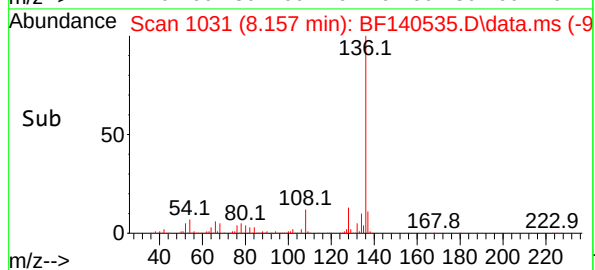
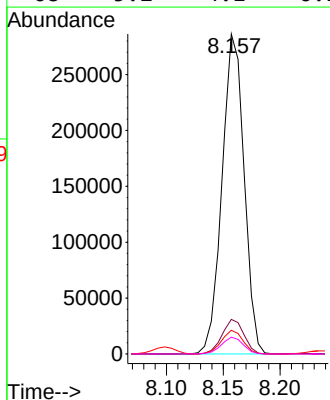
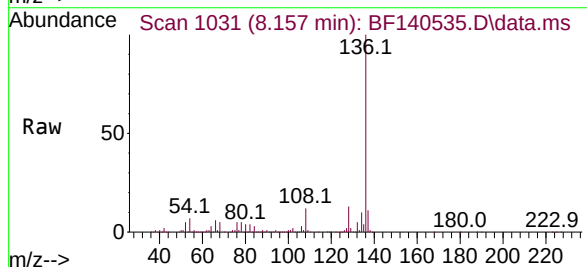
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

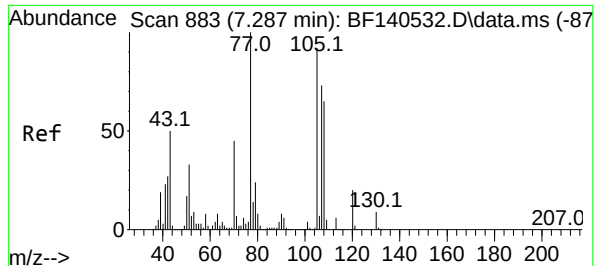
Tgt Ion:107 Resp: 516442
Ion Ratio Lower Upper
107 100
108 91.3 69.9 109.9
77 118.2 117.7 157.7
79 33.3 13.4 53.4



#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

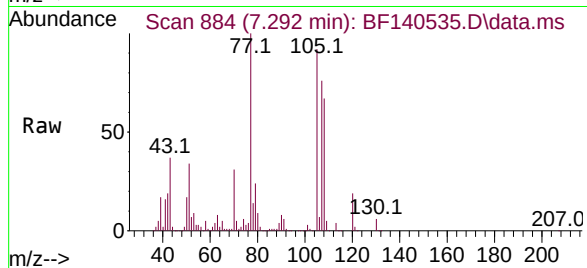
Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:105 Resp: 722622

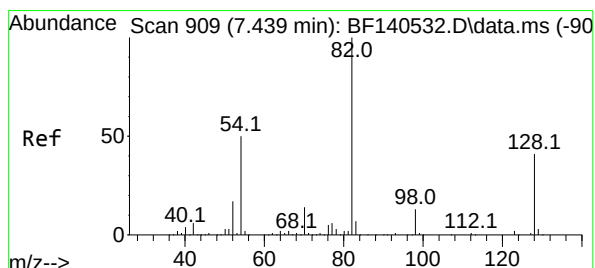
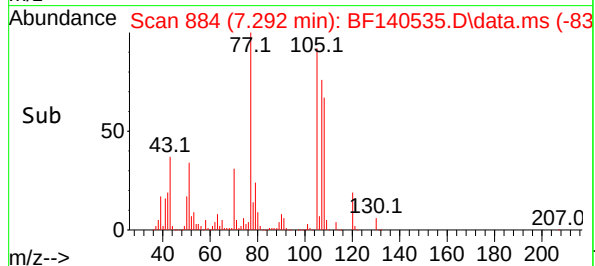
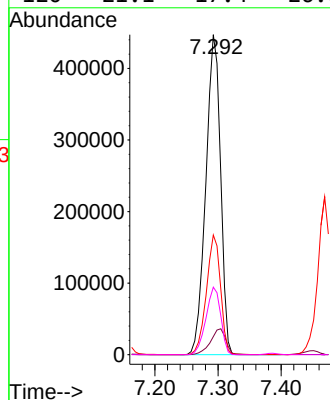
Ion Ratio Lower Upper

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

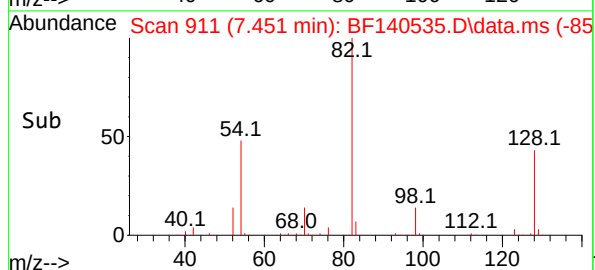
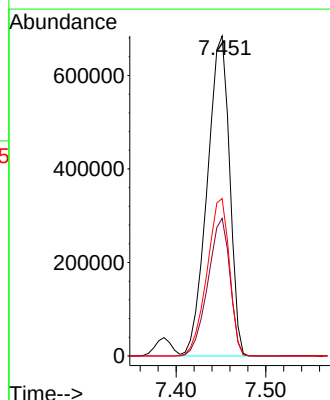
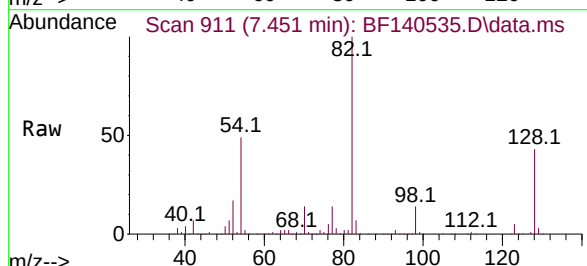
Tgt Ion: 82 Resp: 1184453

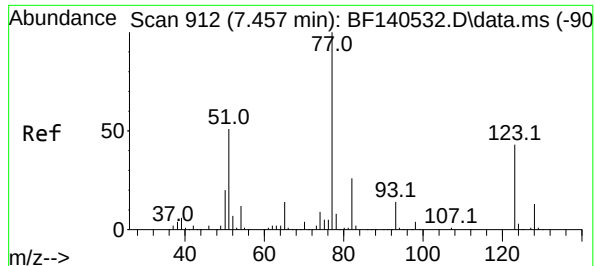
Ion Ratio Lower Upper

82 100

128 43.0 33.0 49.4

54 49.2 39.5 59.3

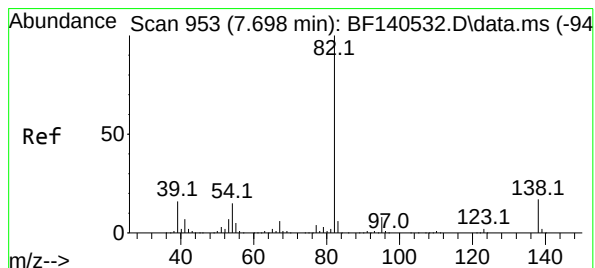
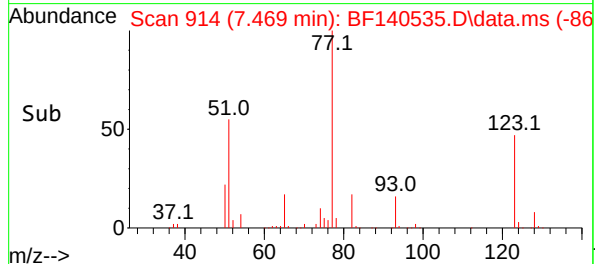
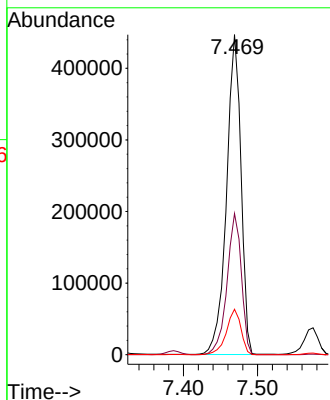
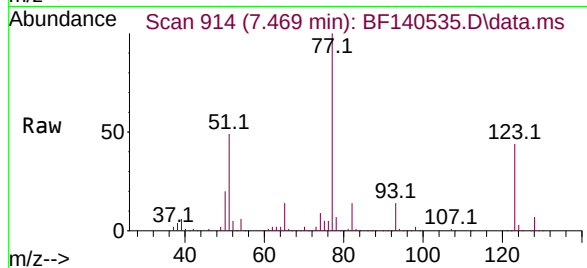




#24
Nitrobenzene
Concen: 77.534 ng
RT: 7.469 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

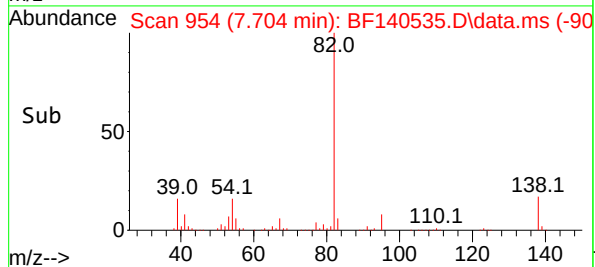
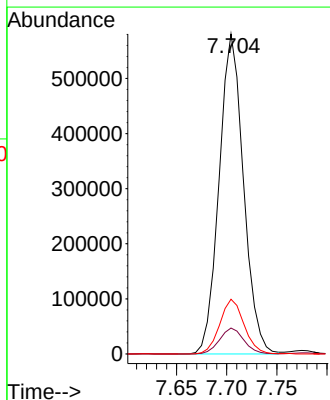
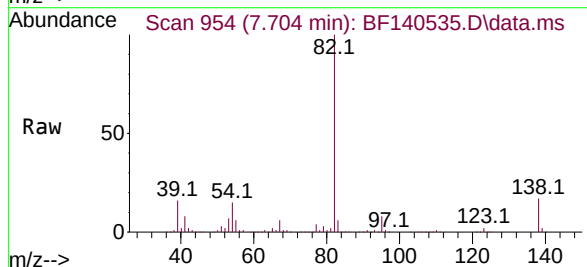
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

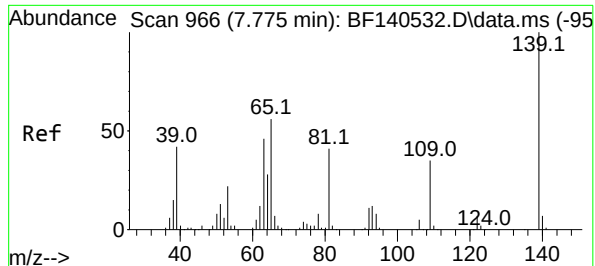
Tgt Ion: 77 Resp: 605207
Ion Ratio Lower Upper
77 100
123 44.1 34.3 51.5
65 14.2 11.2 16.8



#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

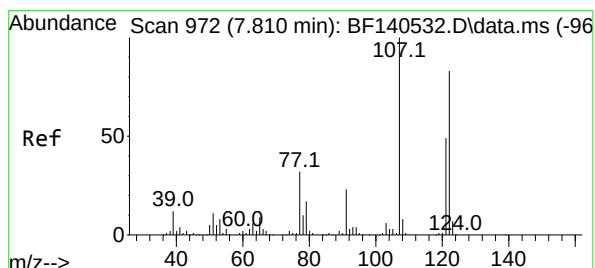
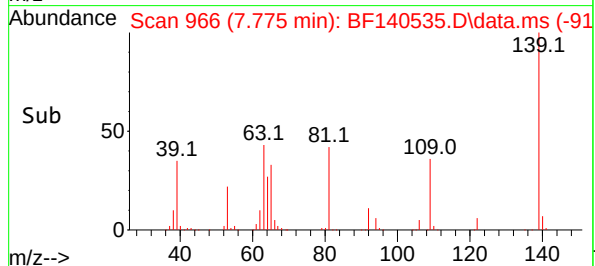
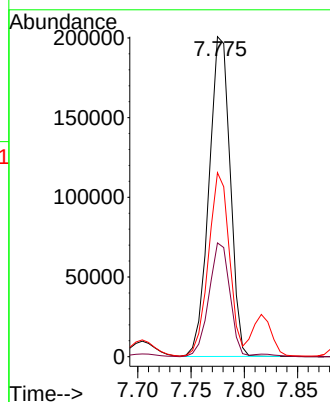
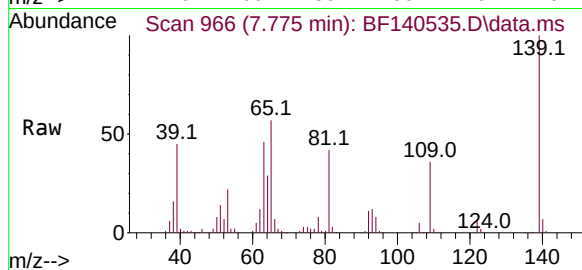
Tgt Ion:139 Resp: 277762

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

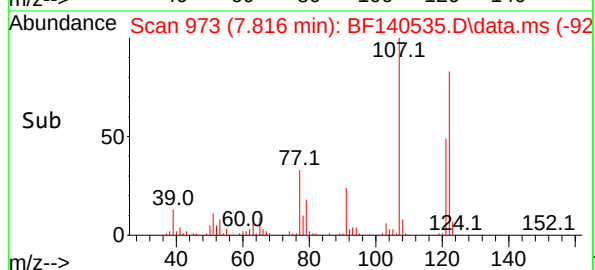
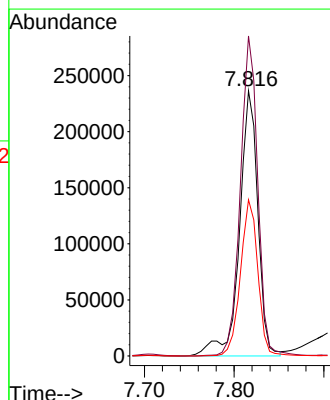
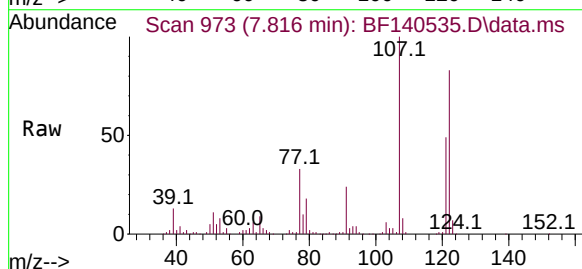
Tgt Ion:122 Resp: 336239

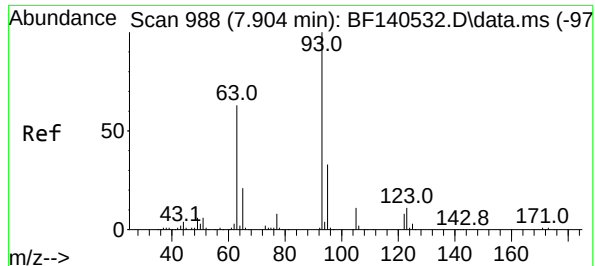
Ion Ratio Lower Upper

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

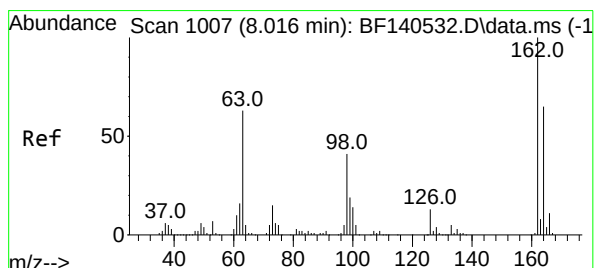
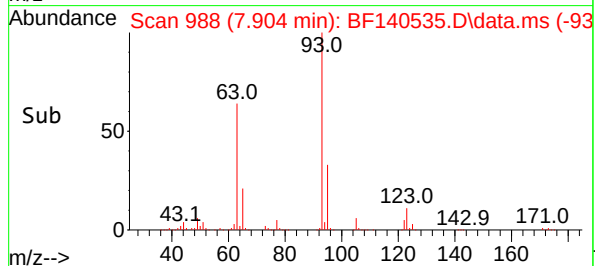
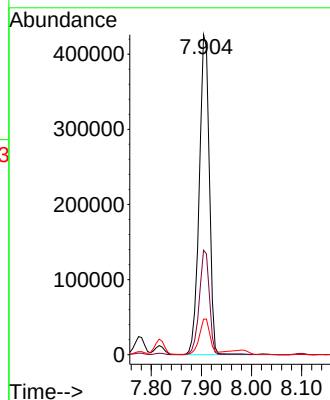
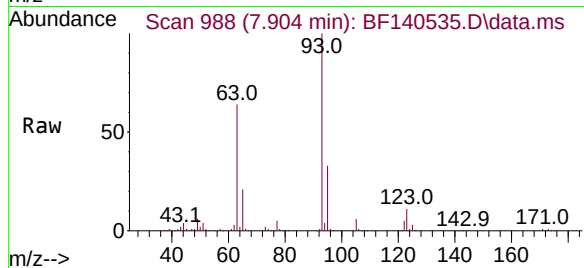
Tgt Ion: 93 Resp: 591884

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

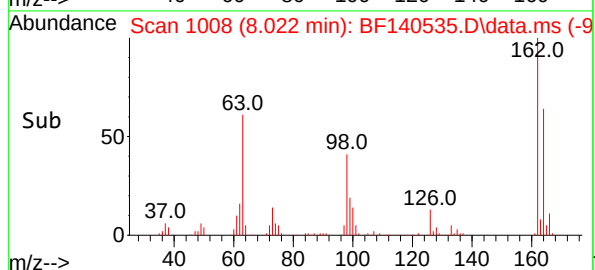
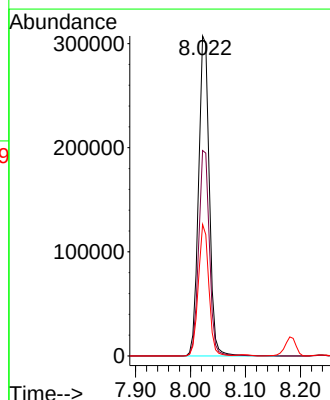
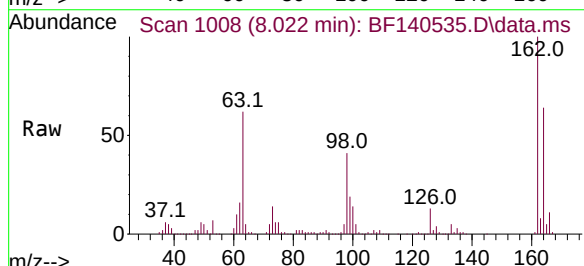
Tgt Ion: 162 Resp: 418686

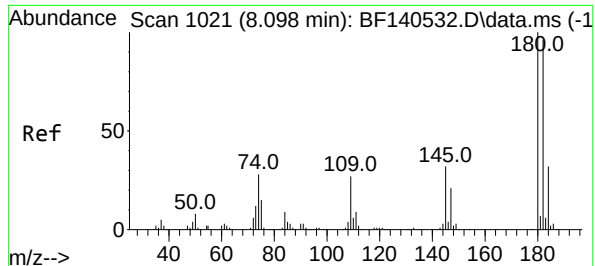
Ion Ratio Lower Upper

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

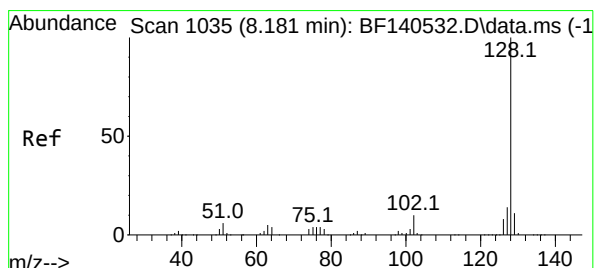
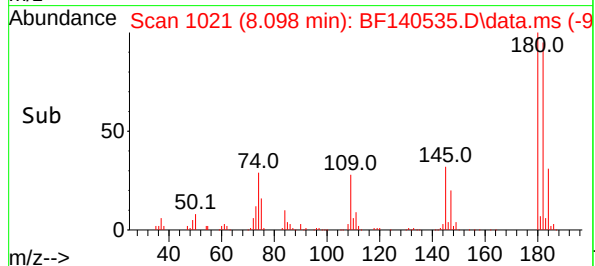
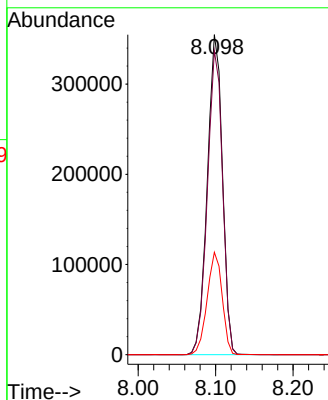
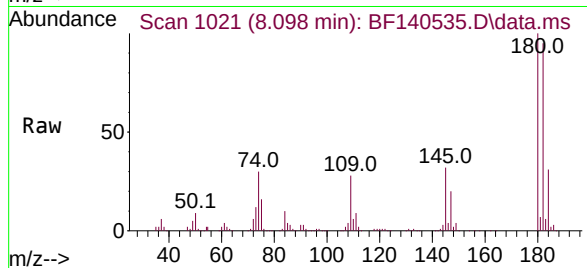
Tgt Ion:180 Resp: 482134

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

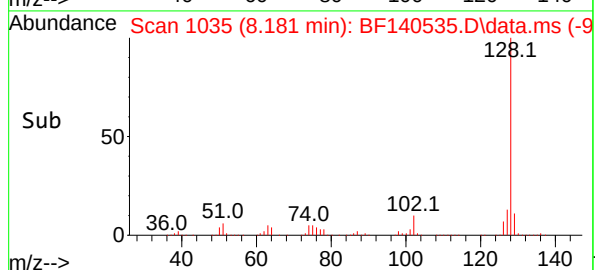
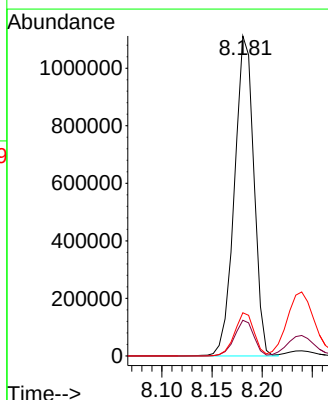
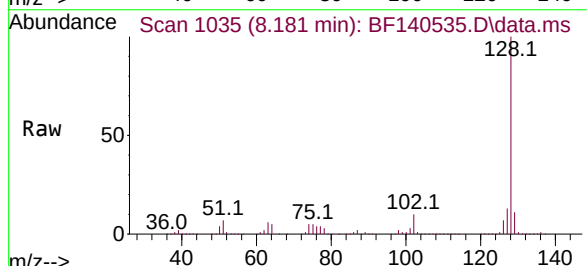
Tgt Ion:128 Resp: 1498520

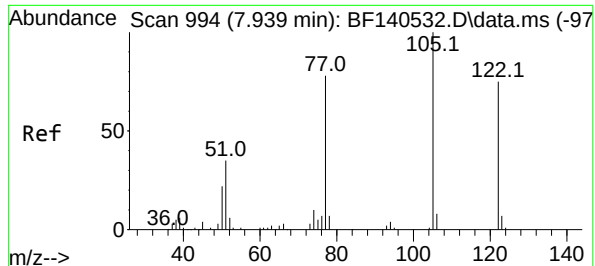
Ion Ratio Lower Upper

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

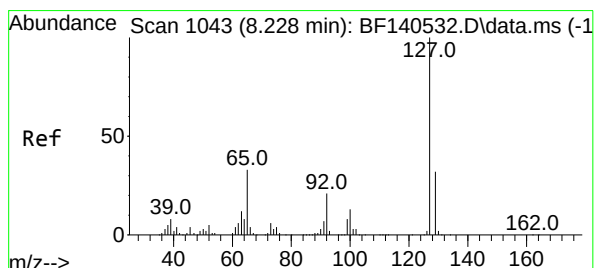
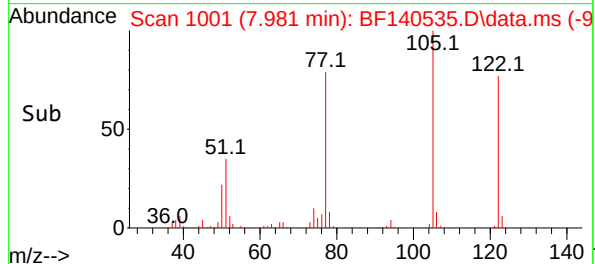
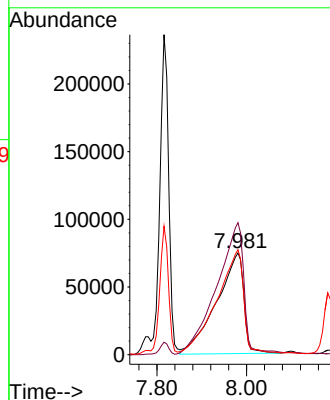
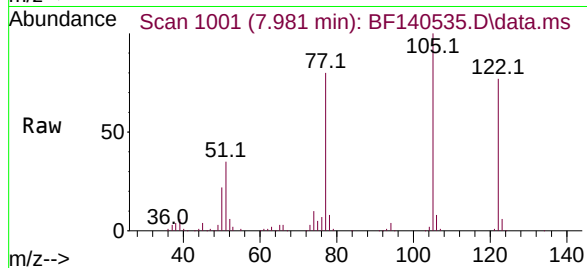
Tgt Ion:122 Resp: 312770

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

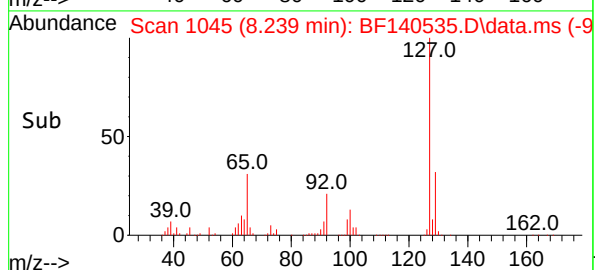
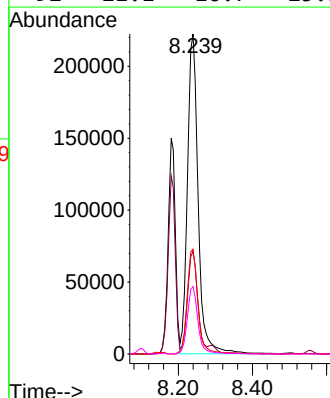
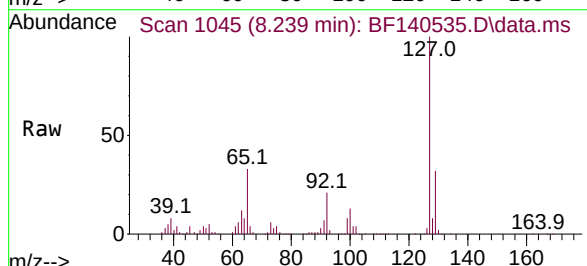
Ion Ratio Lower Upper

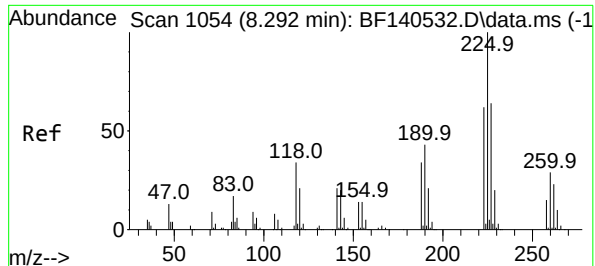
127 100

129 32.1 26.0 39.0

65 32.7 26.0 39.0

92 21.1 16.7 25.1

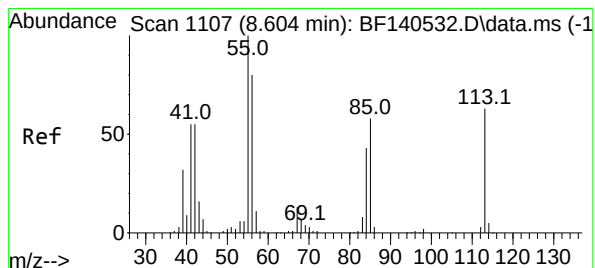
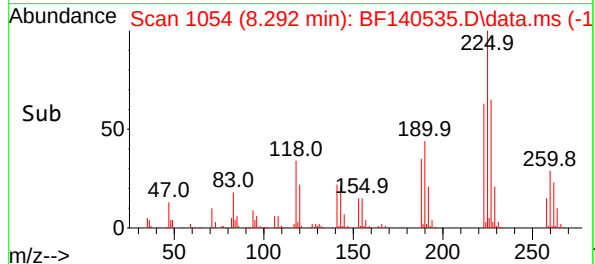
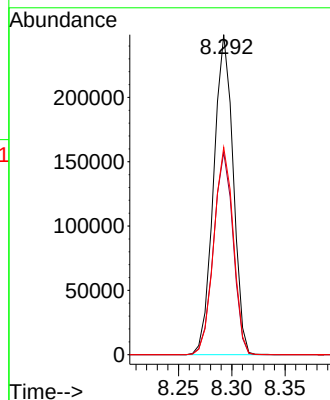
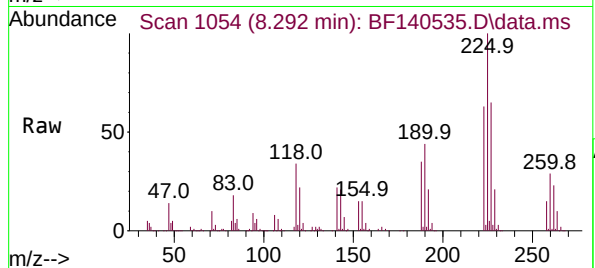




#34
Hexachlorobutadiene
Concen: 76.179 ng
RT: 8.292 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

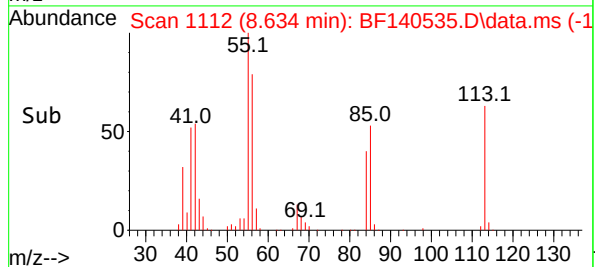
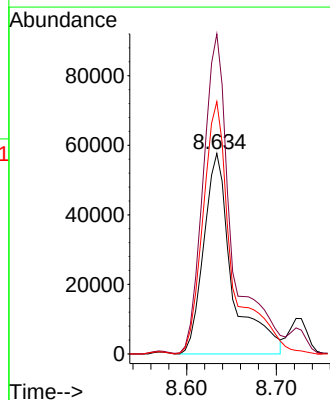
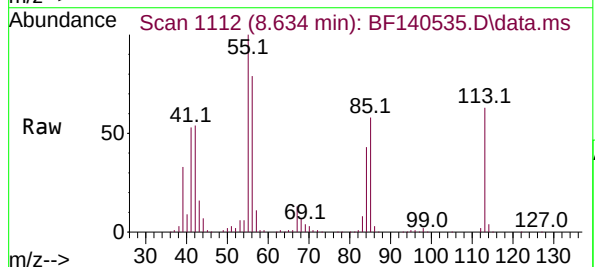
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

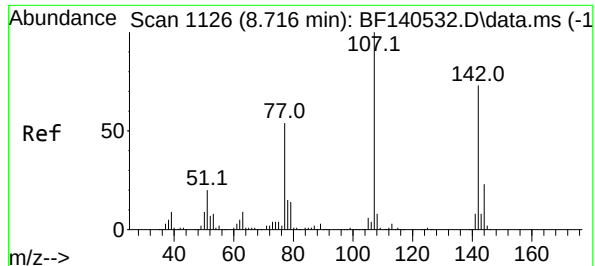
Tgt Ion:225 Resp: 315951
Ion Ratio Lower Upper
225 100
223 63.3 49.8 74.8
227 64.8 51.3 76.9



#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

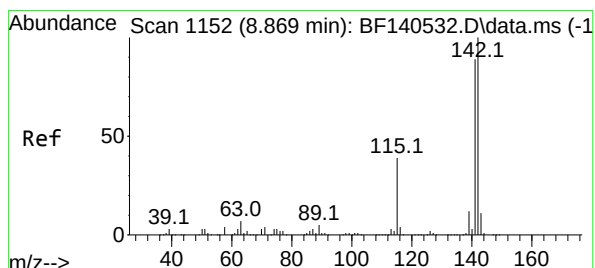
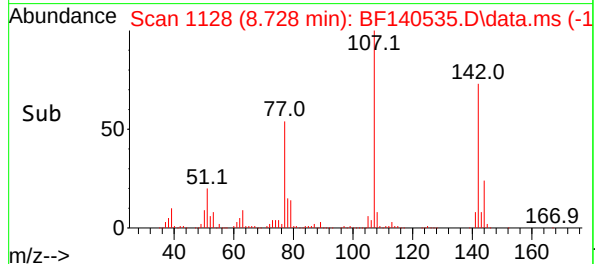
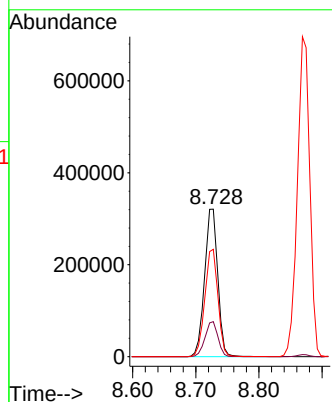
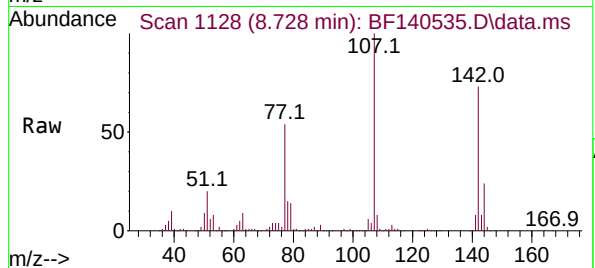




#36
4-Chloro-3-methylphenol
Concen: 75.759 ng
RT: 8.728 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

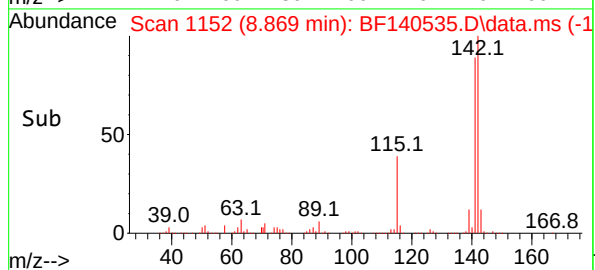
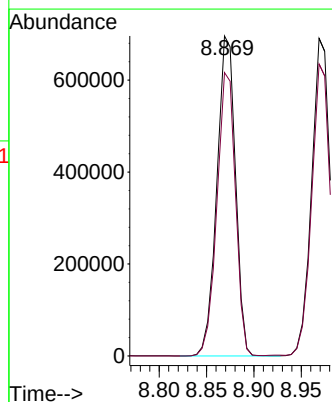
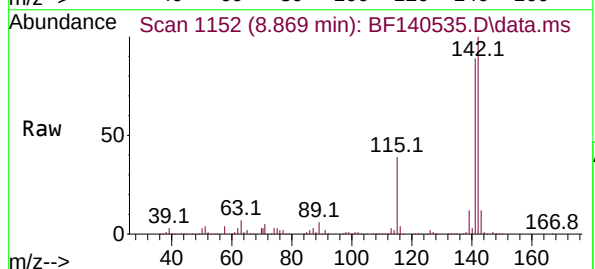
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

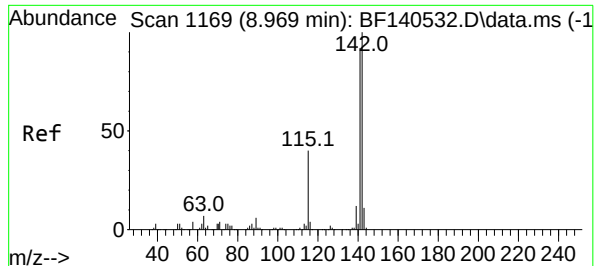
Tgt Ion:107 Resp: 465184
Ion Ratio Lower Upper
107 100
144 23.7 18.7 28.1
142 72.8 58.3 87.5



#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

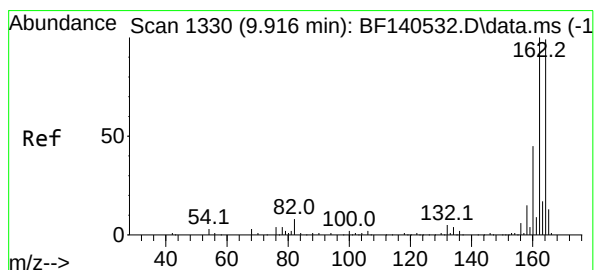
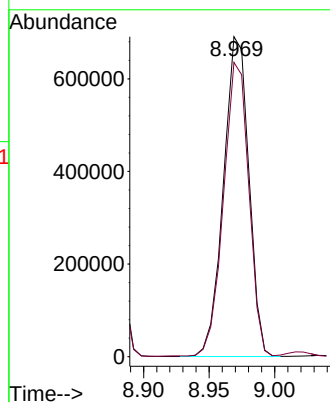
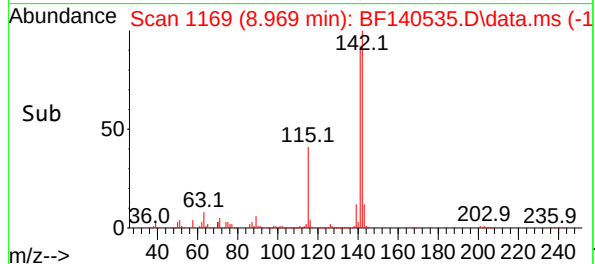
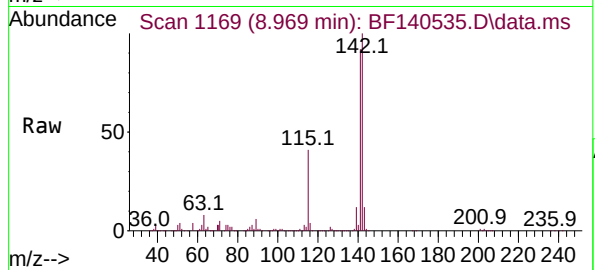




#38
1-Methylnaphthalene
Concen: 74.987 ng
RT: 8.969 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

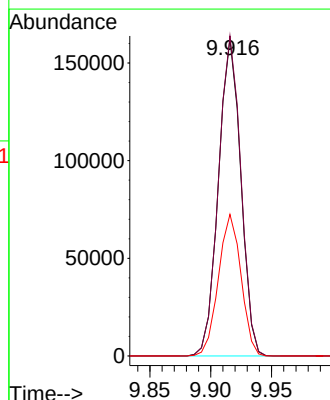
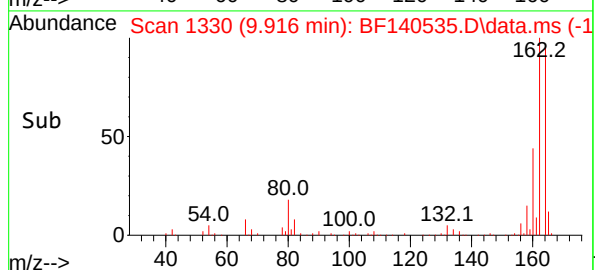
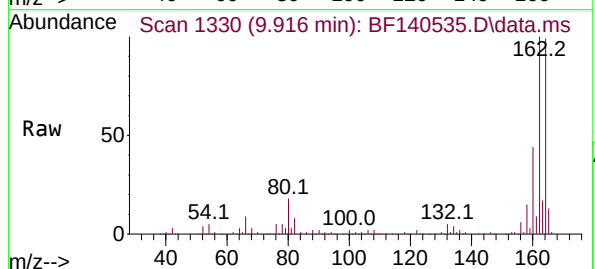
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

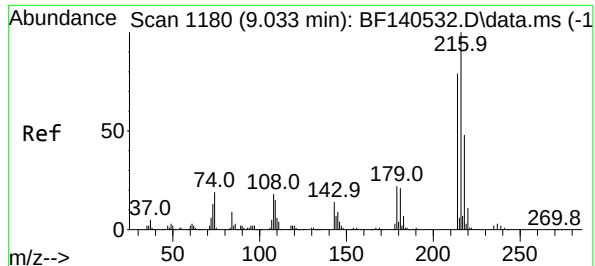
Tgt Ion:142 Resp: 928964
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9



#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

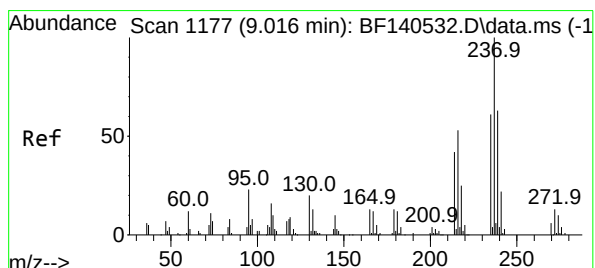
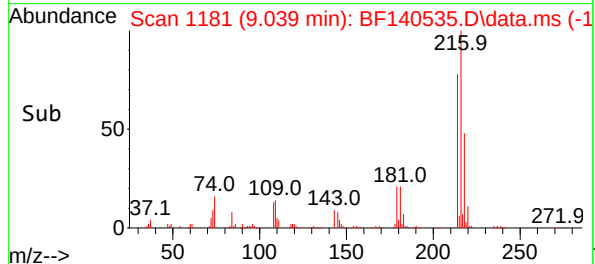
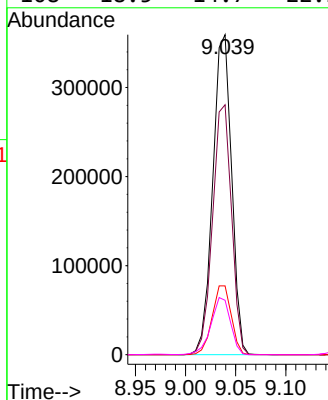
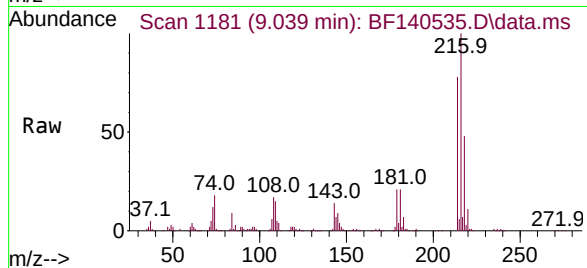




#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.147 ng
RT: 9.039 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

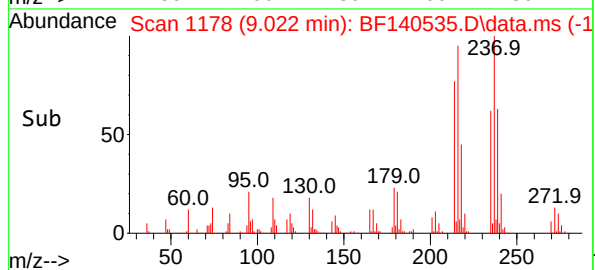
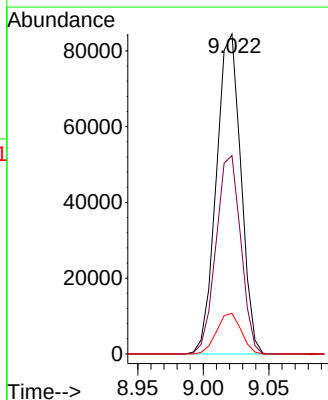
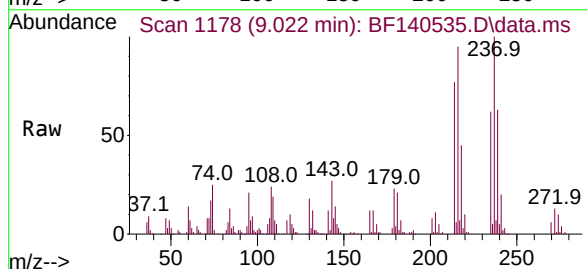
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

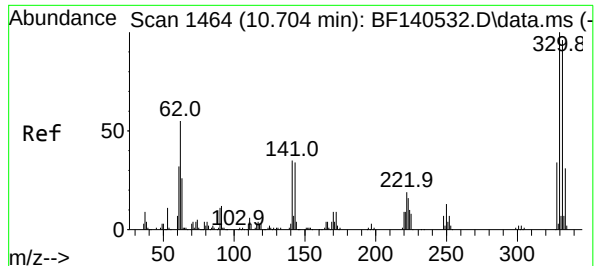
Tgt Ion:216 Resp: 468632
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.4
179 21.9 17.5 26.3
108 18.5 14.7 22.1



#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

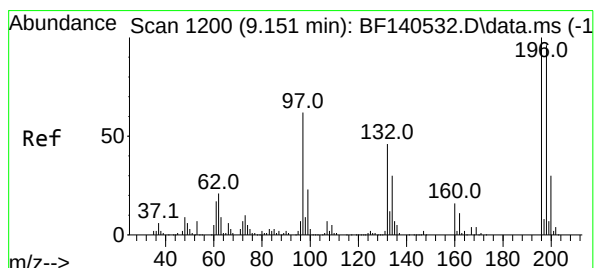
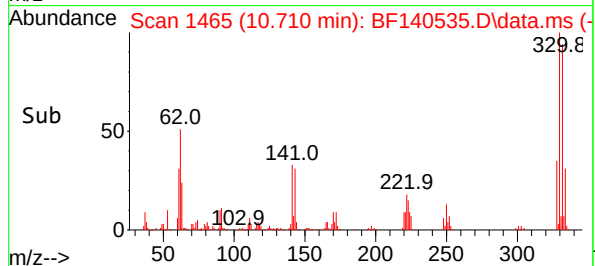
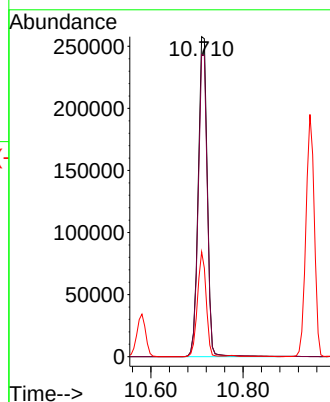
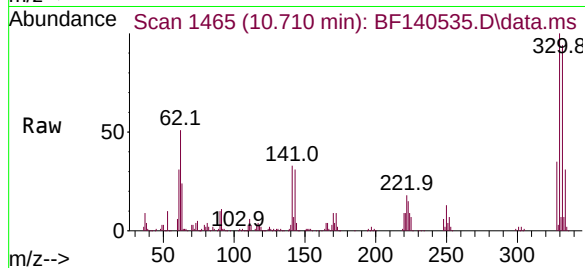
Tgt Ion:330 Resp: 350473

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

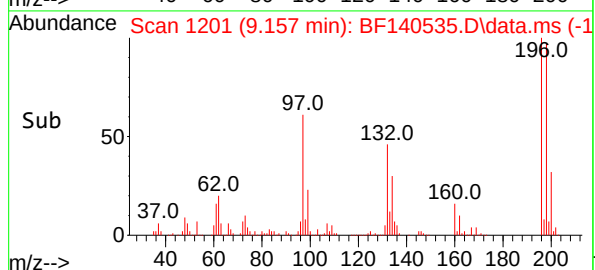
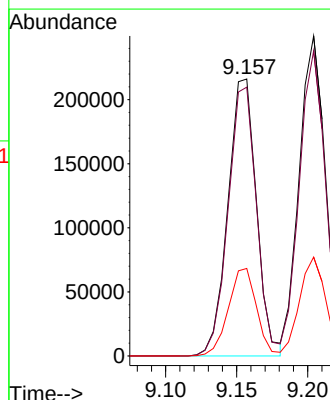
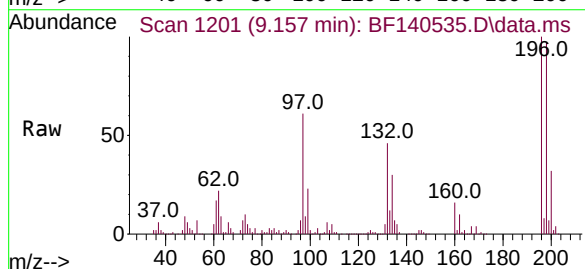
Tgt Ion:196 Resp: 302826

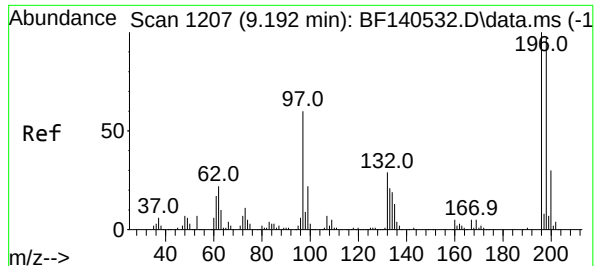
Ion Ratio Lower Upper

196 100

198 97.0 76.8 115.2

200 31.6 24.3 36.5

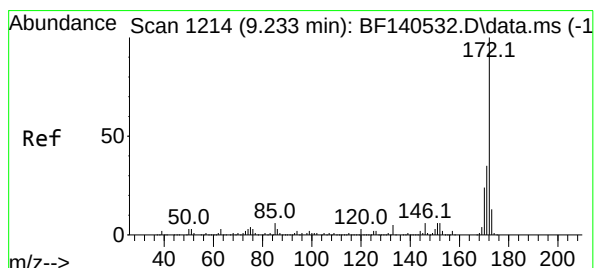
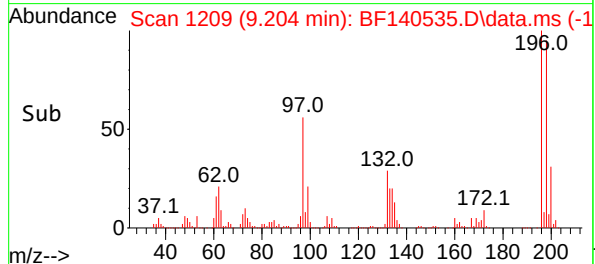
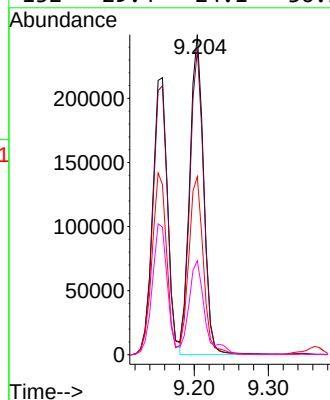
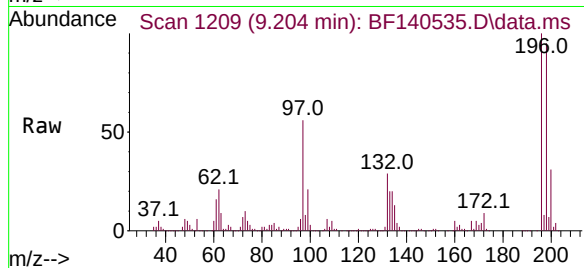




#44
2,4,5-Trichlorophenol
Concen: 78.696 ng
RT: 9.204 min Scan# 1207
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

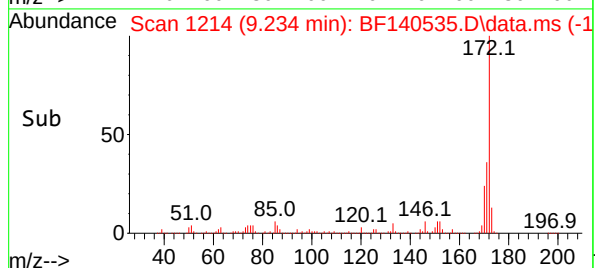
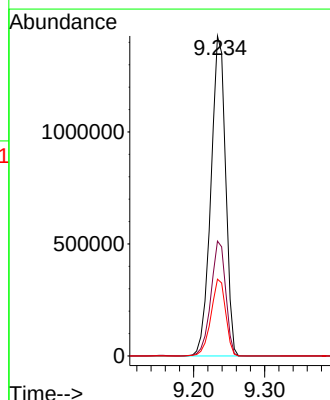
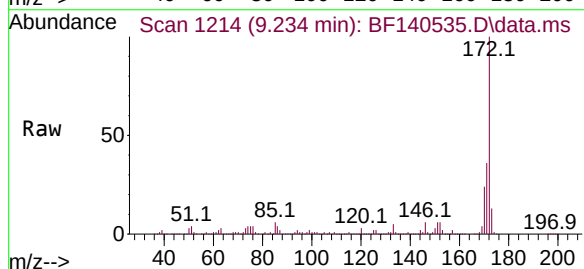
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

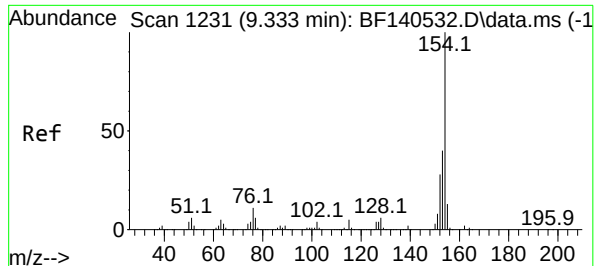
Tgt Ion:196 Resp: 325549
Ion Ratio Lower Upper
196 100
198 95.4 77.2 115.8
97 55.6 47.1 70.7
132 29.4 24.1 36.1



#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

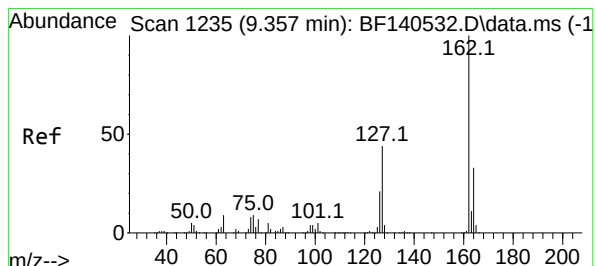
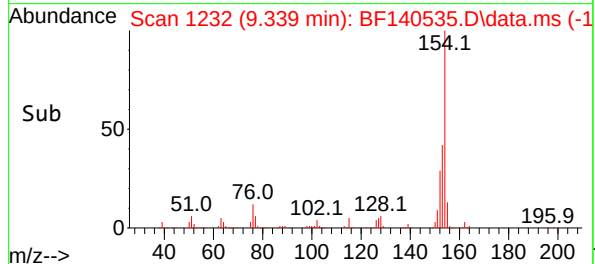
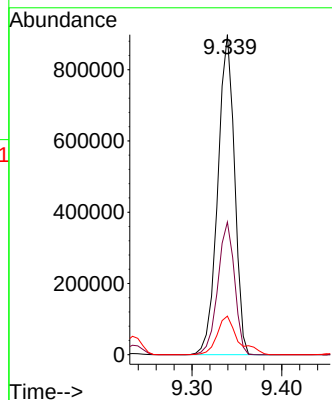
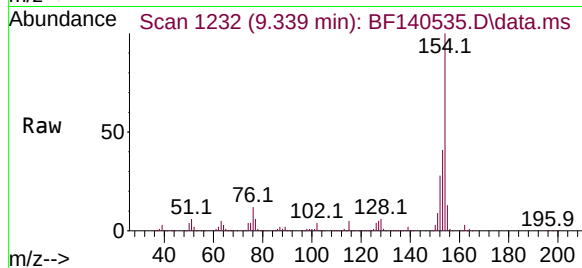




#46
1,1'-Biphenyl
Concen: 75.141 ng
RT: 9.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

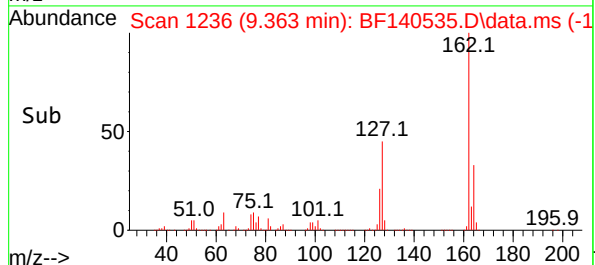
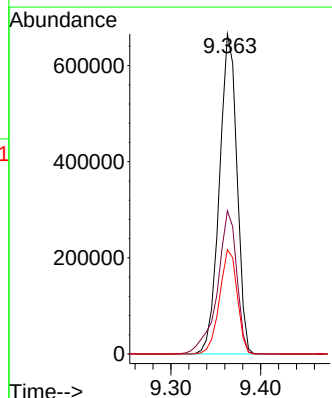
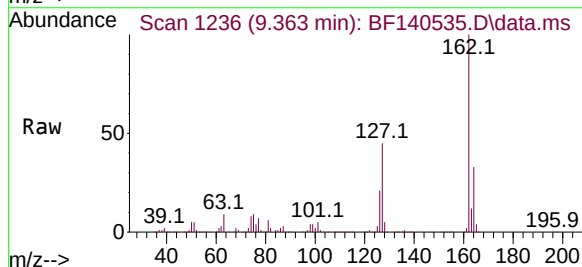
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

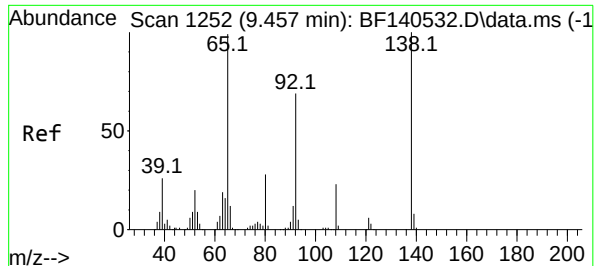
Tgt Ion:154 Resp: 1164092
Ion Ratio Lower Upper
154 100
153 41.5 20.4 60.4
76 12.1 0.0 31.2



#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

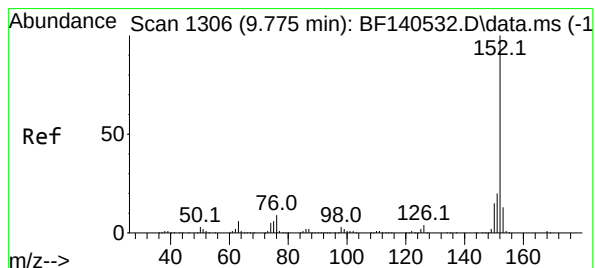
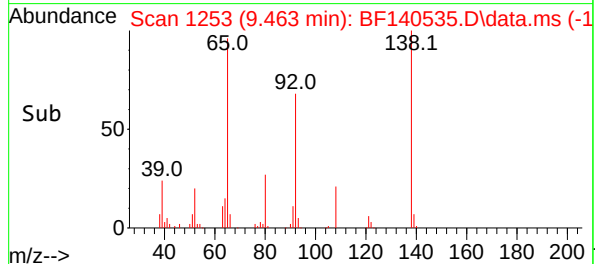
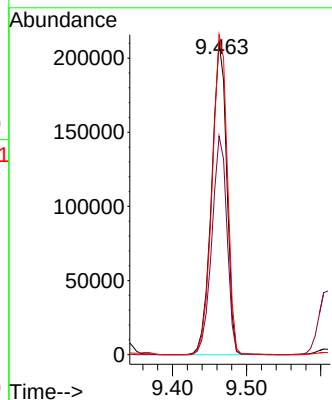
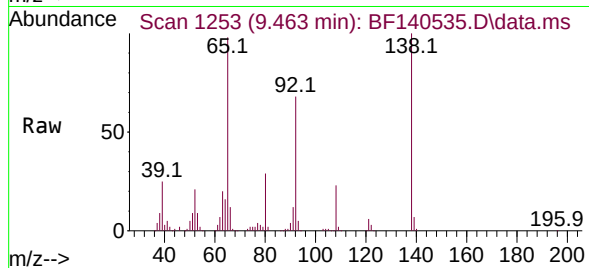




#48
2-Nitroaniline
Concen: 79.040 ng
RT: 9.463 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

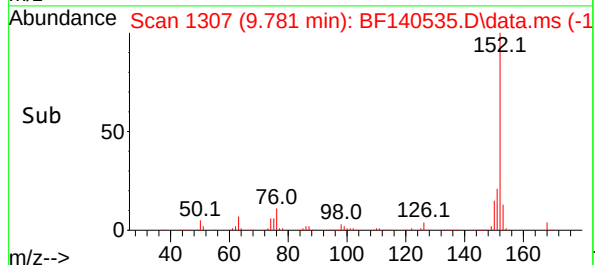
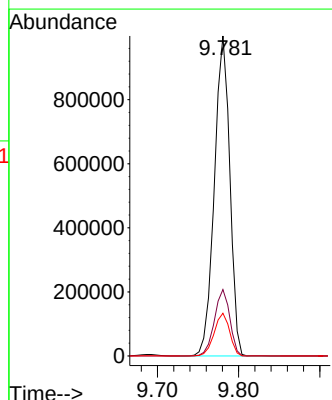
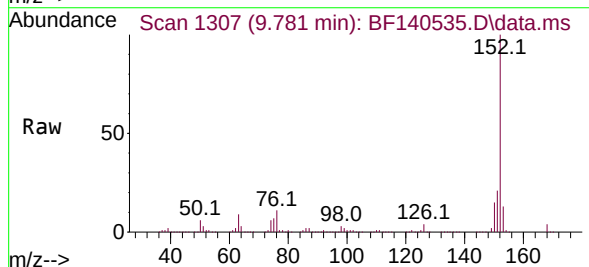
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

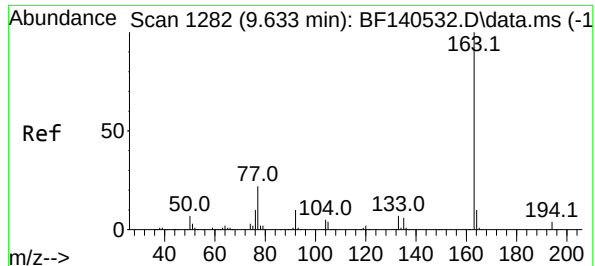
Tgt Ion: 65 Resp: 297813
Ion Ratio Lower Upper
65 100
92 70.1 56.1 84.1
138 102.5 81.0 121.6



#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

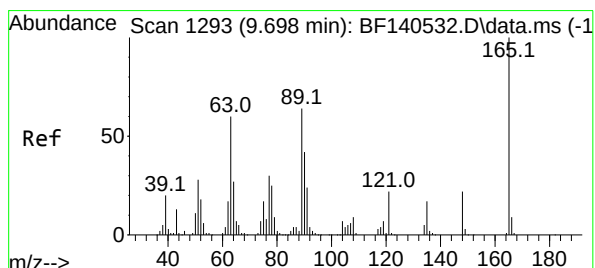
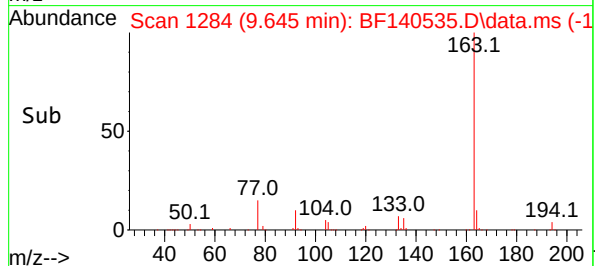
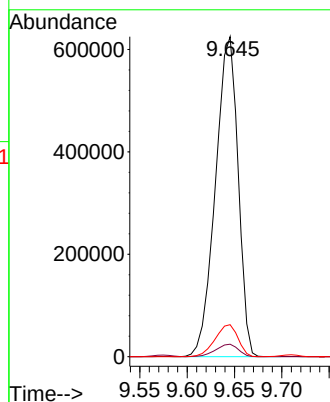
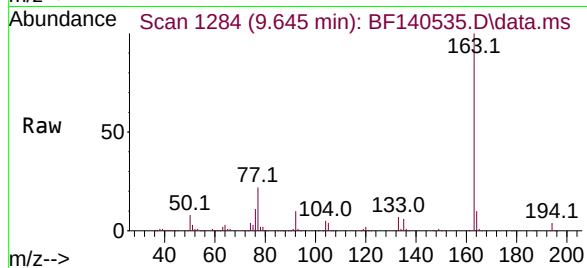




#50
Dimethylphthalate
Concen: 76.177 ng
RT: 9.645 min Scan# 1282
Delta R.T. 0.012 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

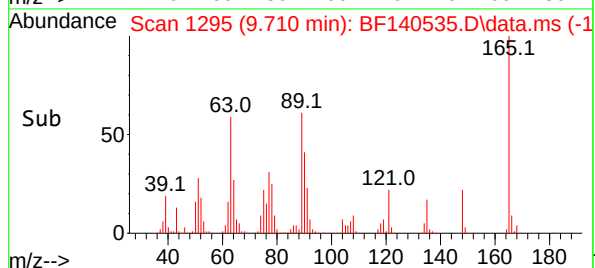
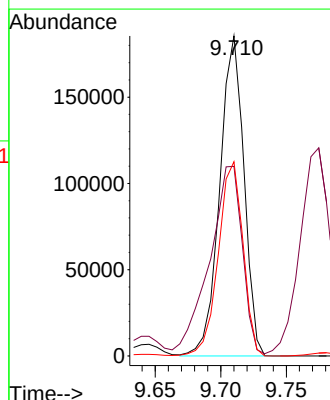
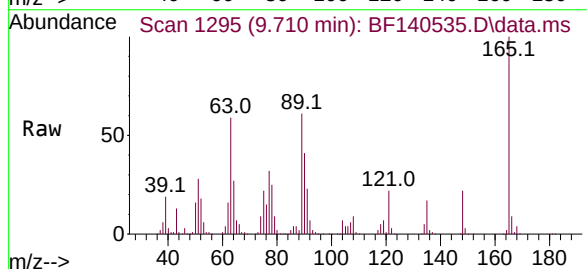
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

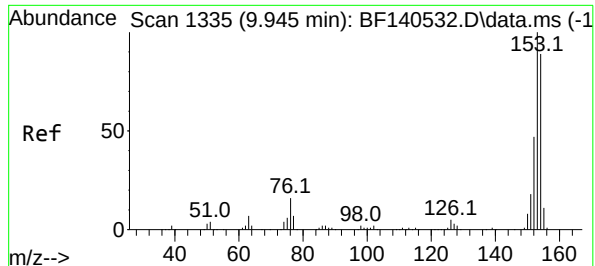
Tgt Ion:163 Resp: 1041011
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.2 12.2



#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

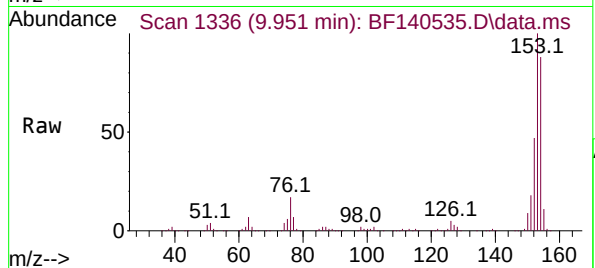
Tgt Ion:165 Resp: 237697
Ion Ratio Lower Upper
165 100
63 59.3 49.9 74.9
89 60.7 50.9 76.3



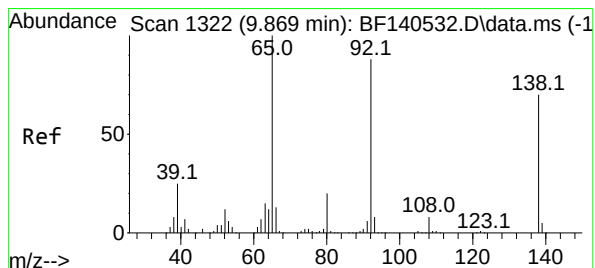
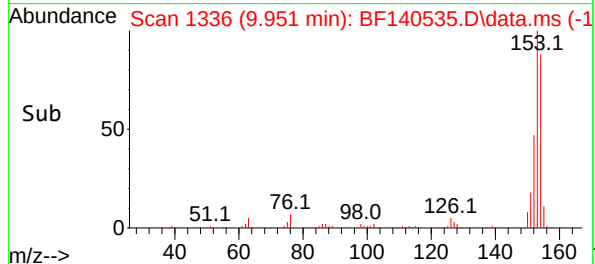
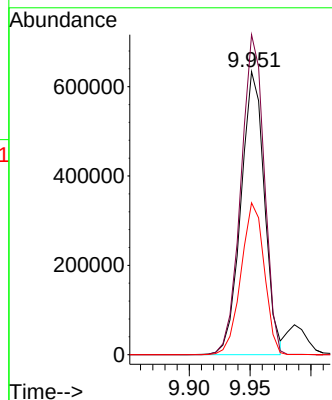


#52
Acenaphthene
Concen: 74.130 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

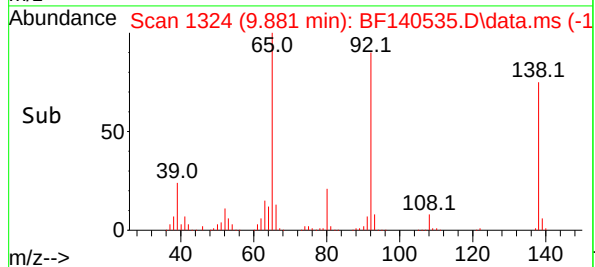
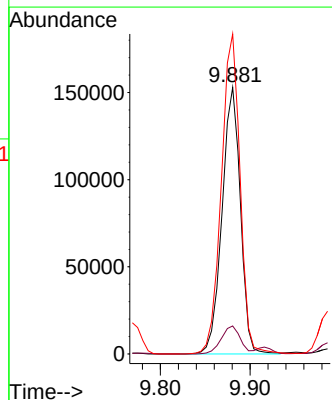
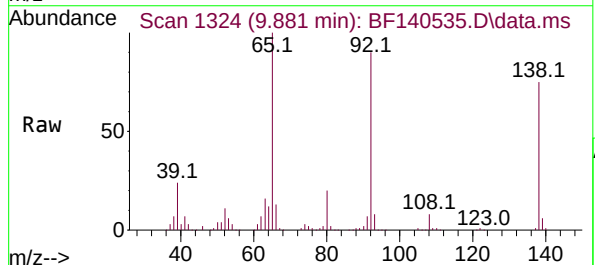


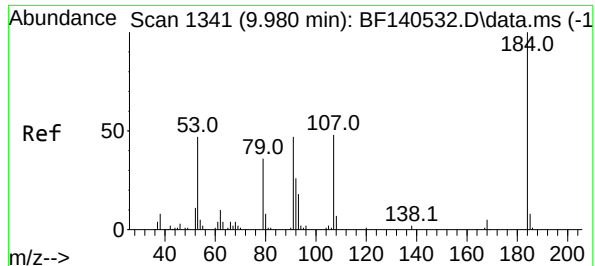
Tgt Ion:154 Resp: 851353
Ion Ratio Lower Upper
154 100
153 113.0 89.7 134.5
152 53.7 42.5 63.7



#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

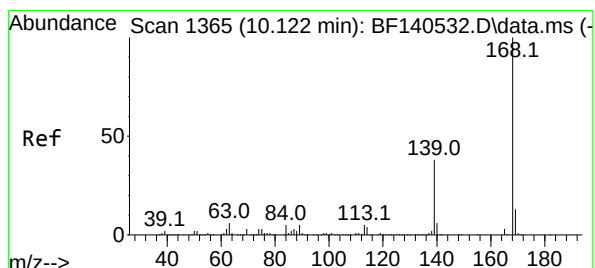
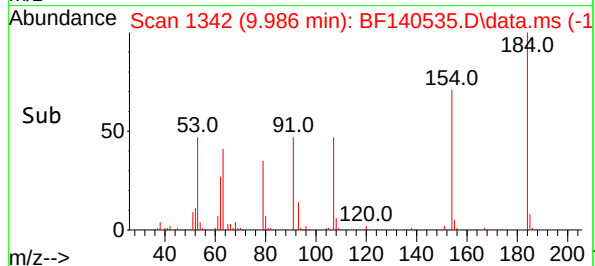
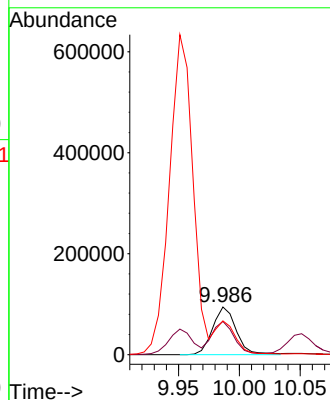
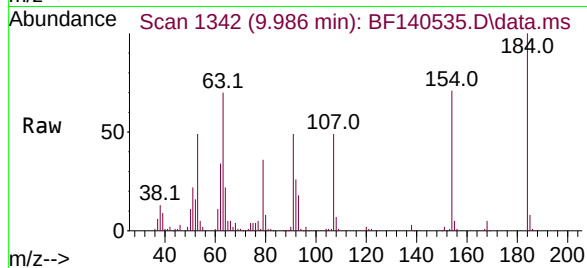
Tgt Ion:184 Resp: 127923

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

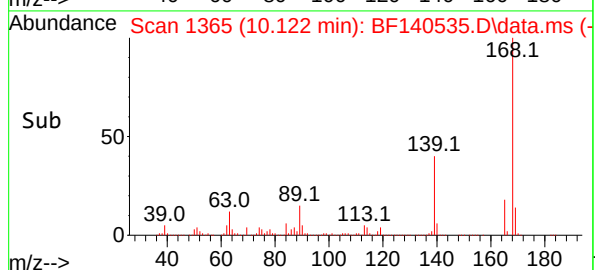
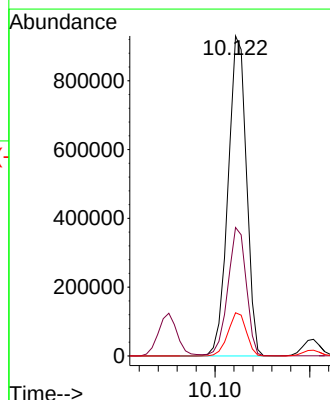
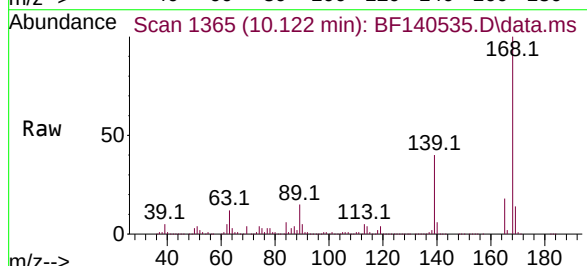
Tgt Ion:168 Resp: 1252581

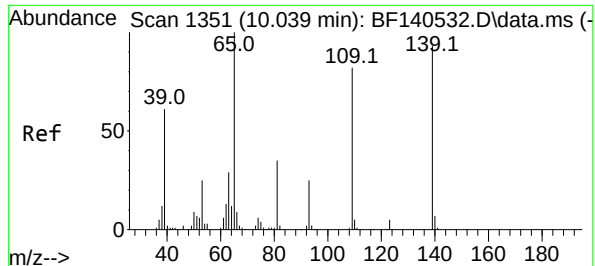
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.012 min

Lab File: BF140535.D

Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

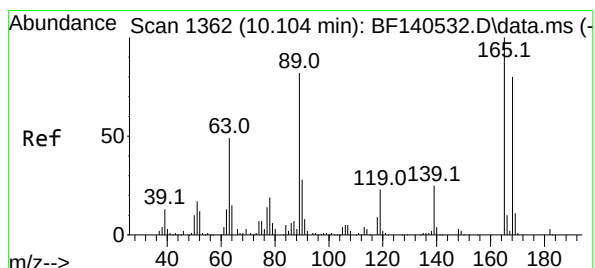
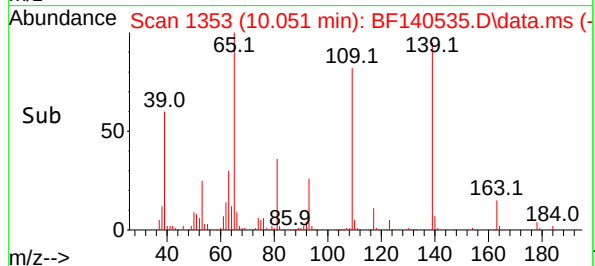
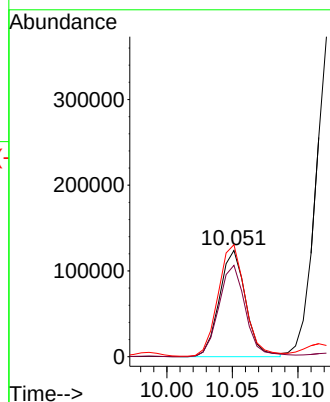
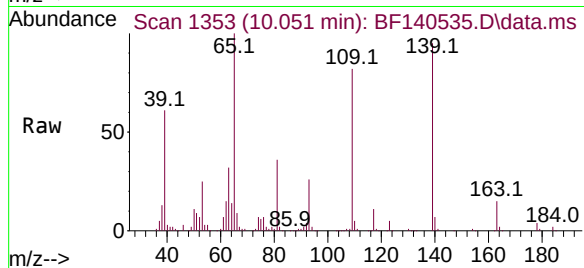
Tgt Ion:139 Resp: 172406

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

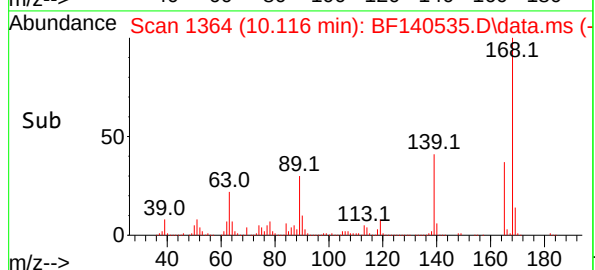
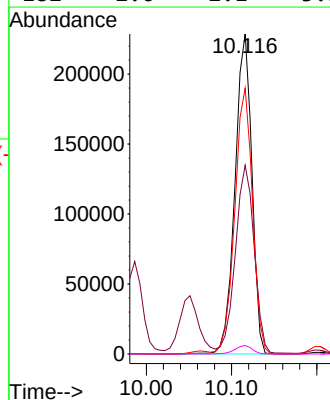
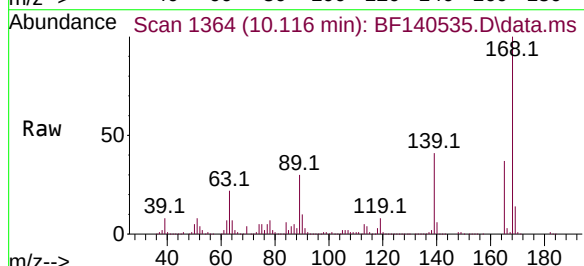
Ion Ratio Lower Upper

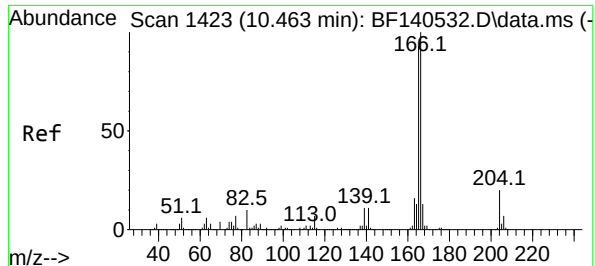
165 100

63 59.0 41.7 62.5

89 83.1 65.8 98.8

182 2.6 2.1 3.1

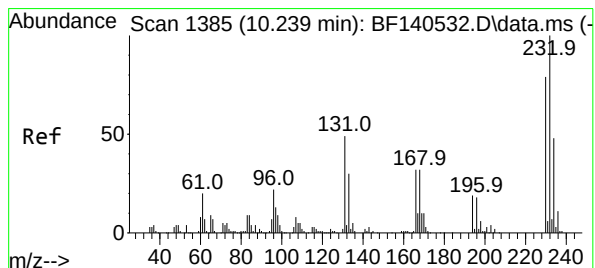
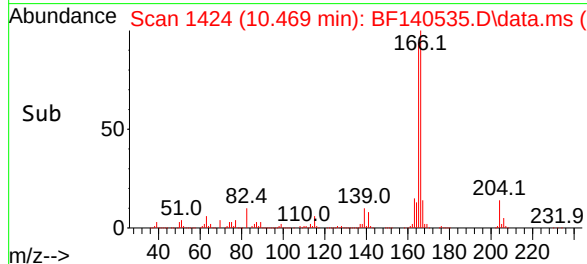
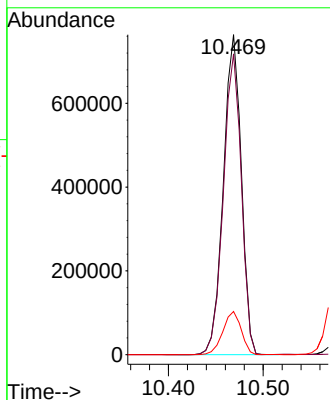
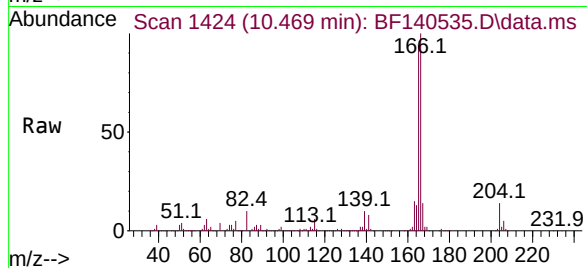




#58
Fluorene
Concen: 72.805 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

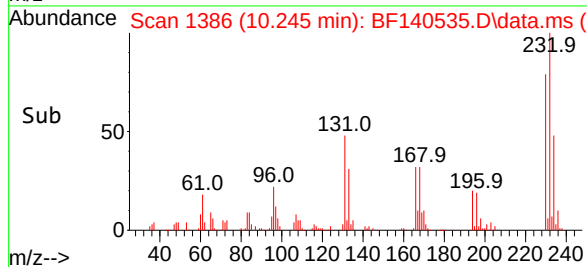
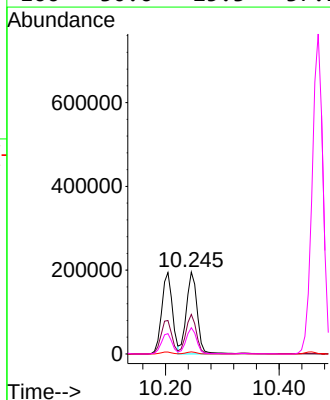
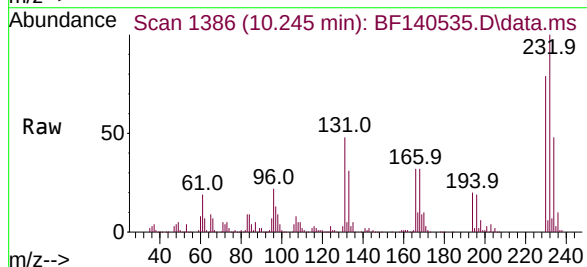
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

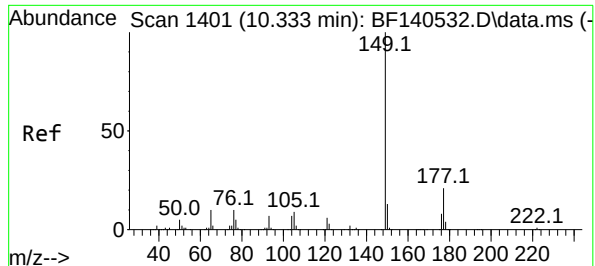
Tgt Ion:166 Resp: 1004537
Ion Ratio Lower Upper
166 100
165 94.0 74.6 111.8
167 13.5 10.6 16.0



#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

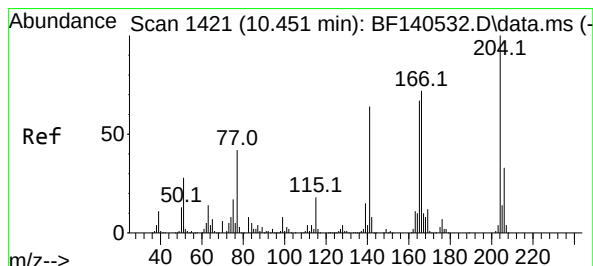
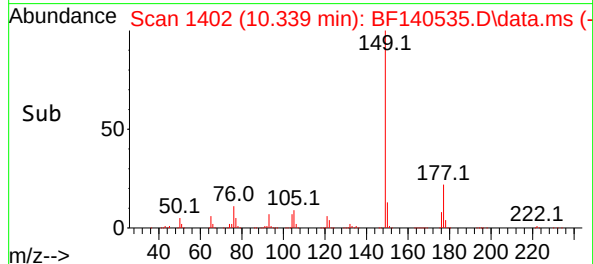
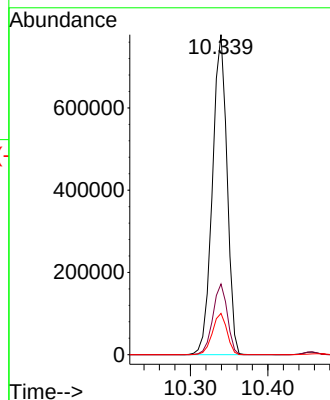
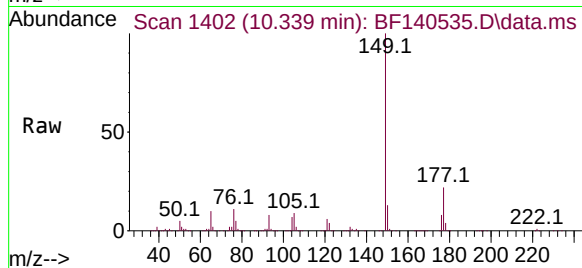
Tgt Ion:149 Resp: 1023948

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

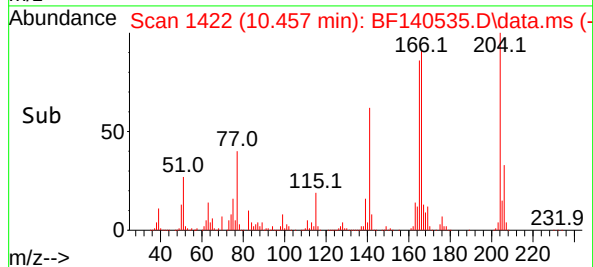
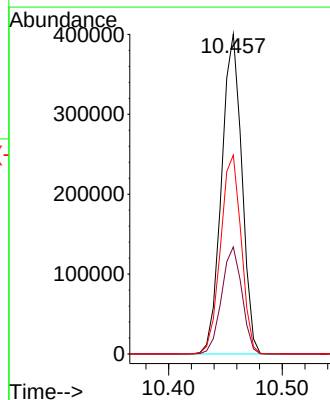
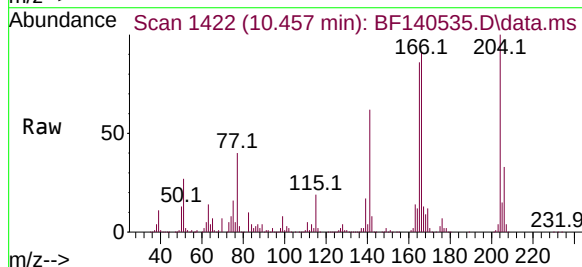
Tgt Ion:204 Resp: 496862

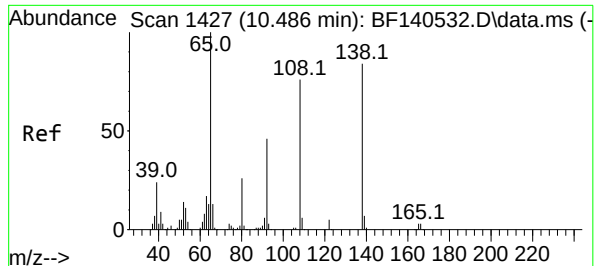
Ion Ratio Lower Upper

204 100

206 33.4 26.6 40.0

141 62.1 51.1 76.7

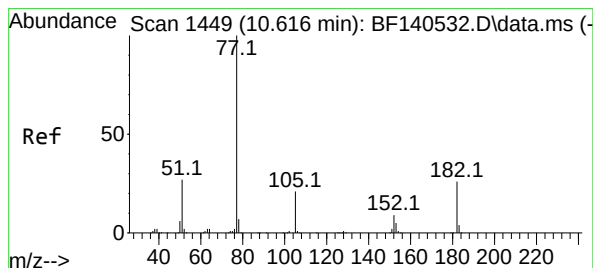
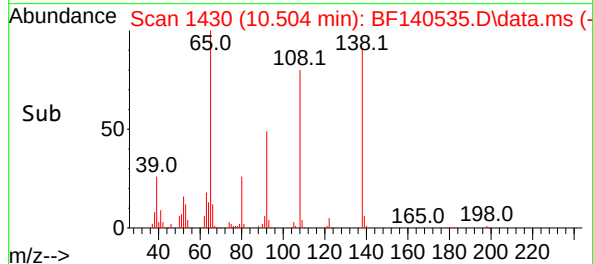
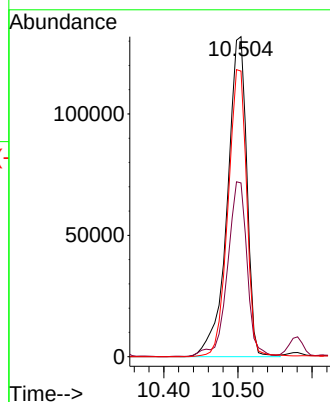
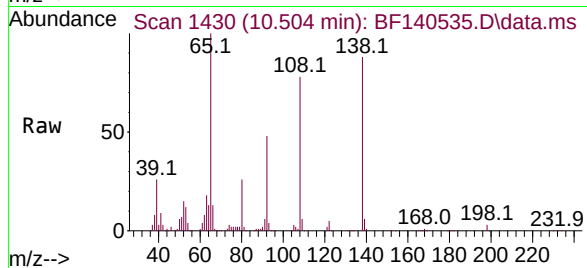




#62
4-Nitroaniline
Concen: 75.874 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.018 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

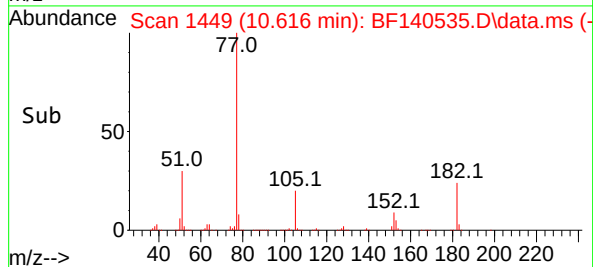
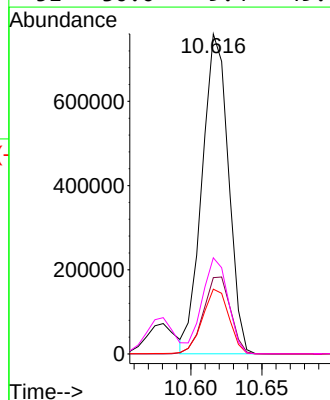
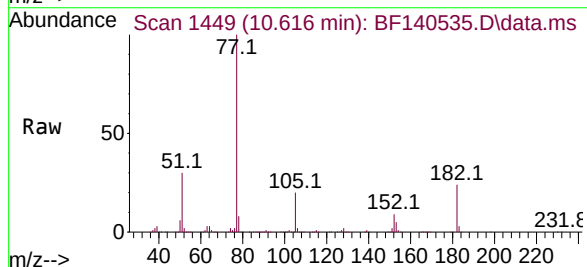
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

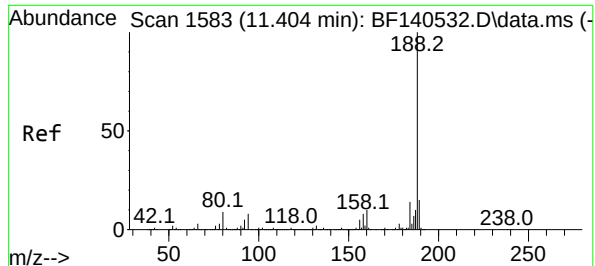
Tgt Ion:138 Resp: 241223
Ion Ratio Lower Upper
138 100
92 54.3 34.5 74.5
108 89.2 70.6 110.6



#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

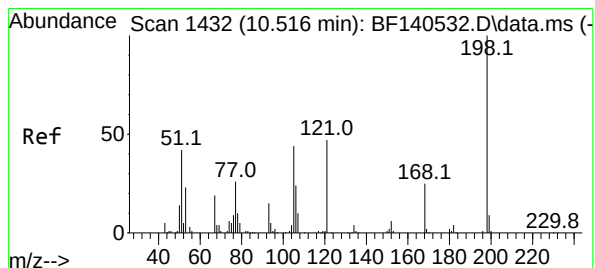
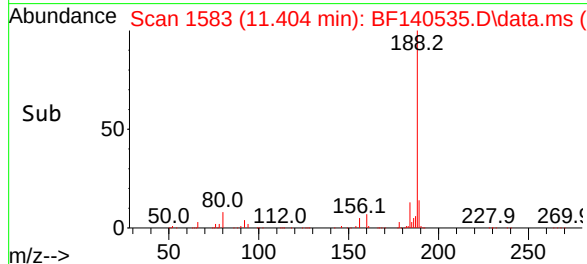
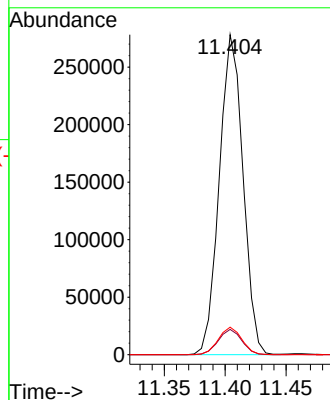
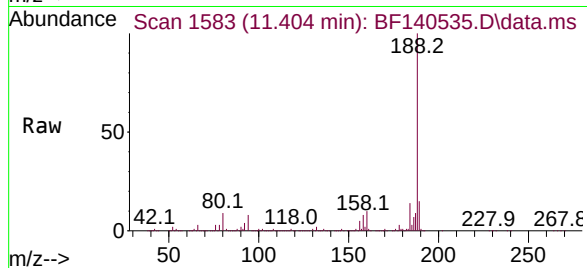




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

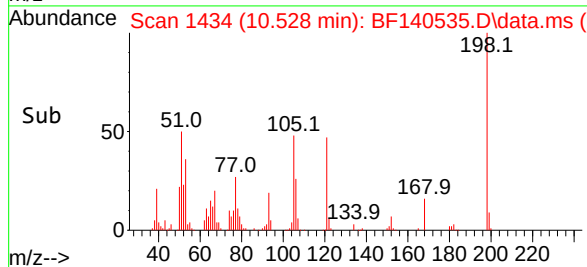
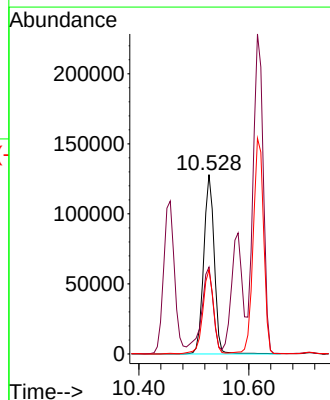
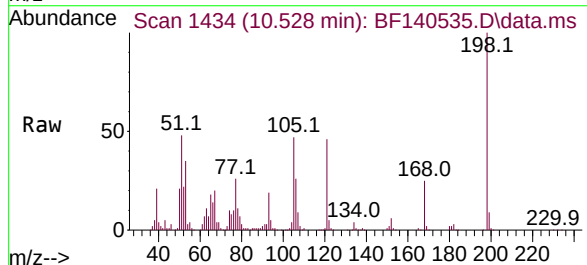
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

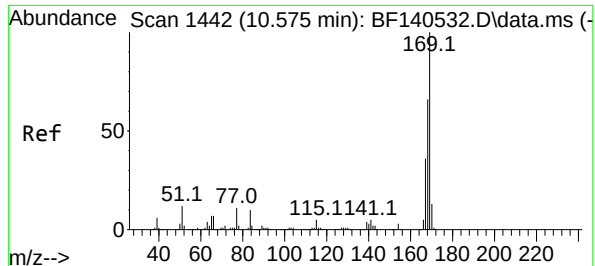
Tgt Ion:188 Resp: 377113
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.6 6.9 10.3



#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

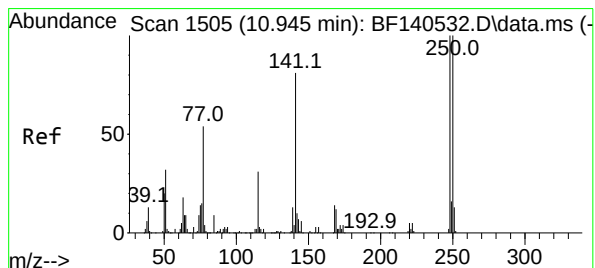
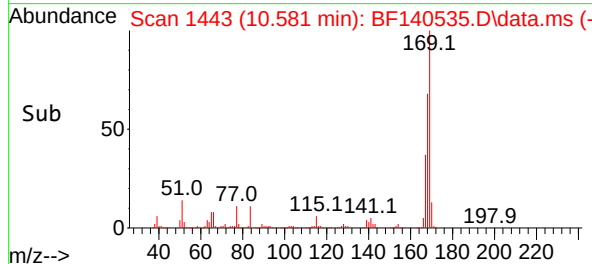
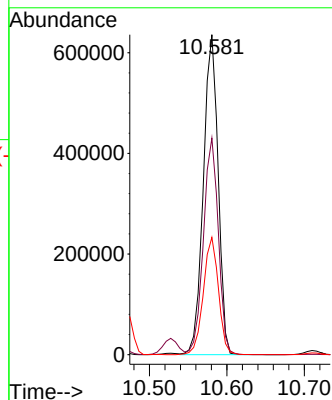
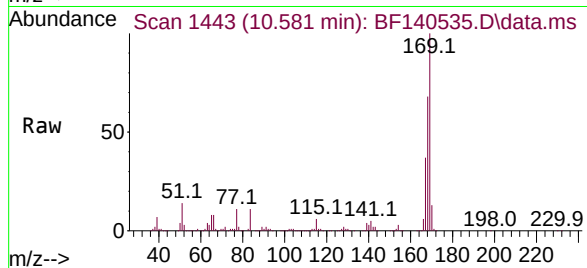




#66
n-Nitrosodiphenylamine
Concen: 75.504 ng
RT: 10.581 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

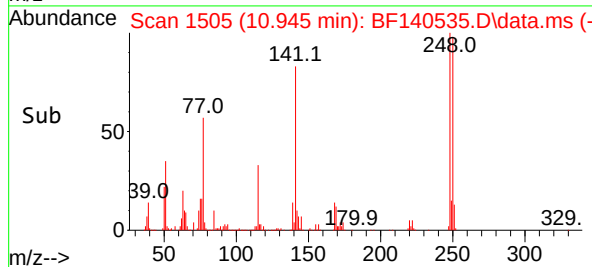
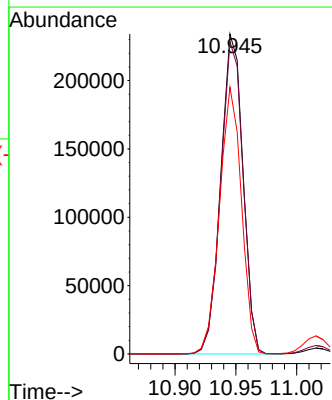
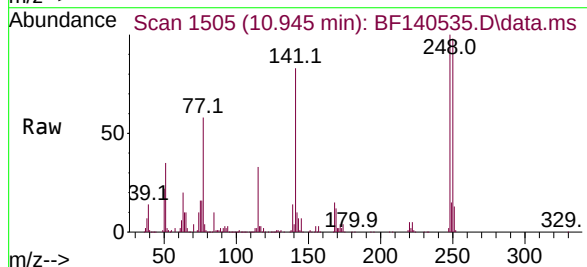
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

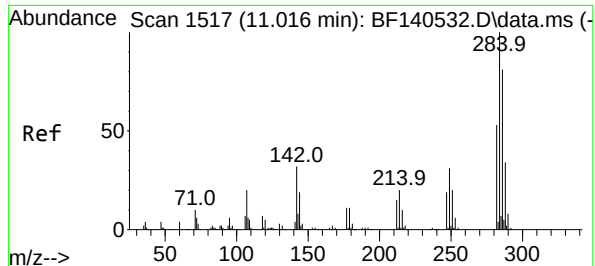
Tgt Ion:169 Resp: 842038
Ion Ratio Lower Upper
169 100
168 67.7 53.2 79.8
167 36.6 29.0 43.6



#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

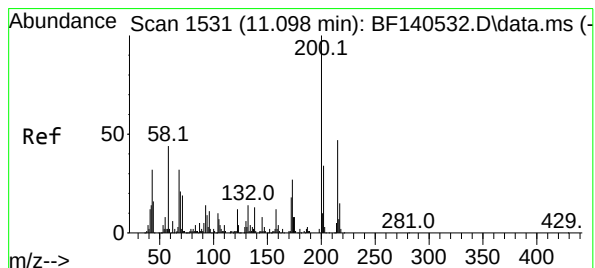
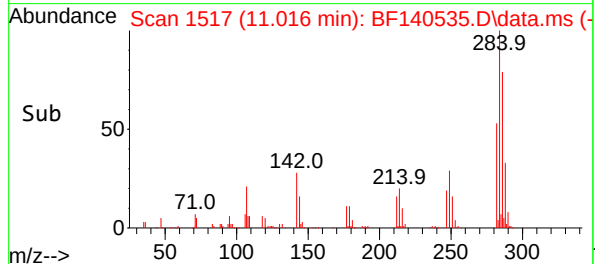
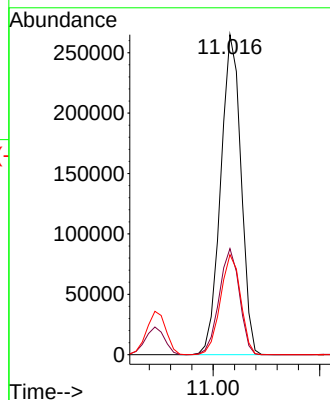
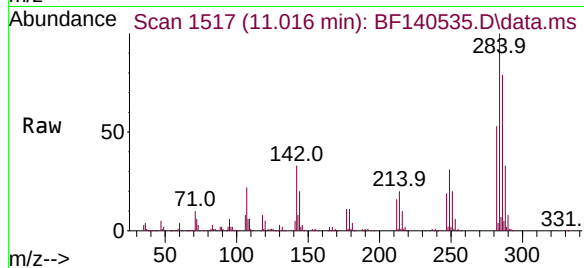




#68
Hexachlorobenzene
Concen: 77.757 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

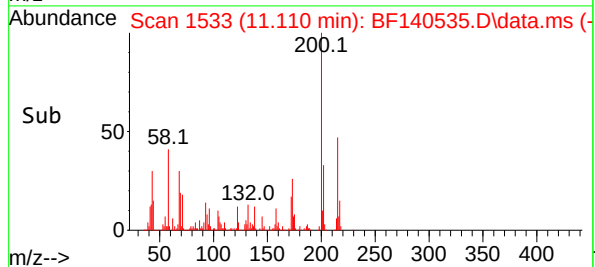
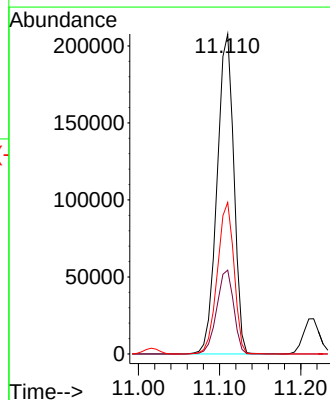
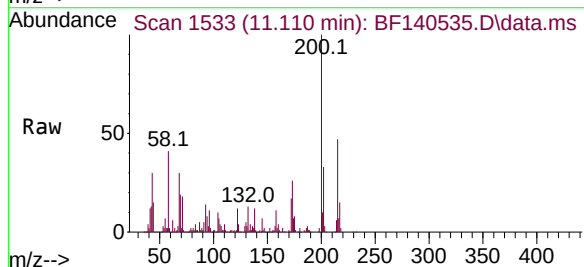
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

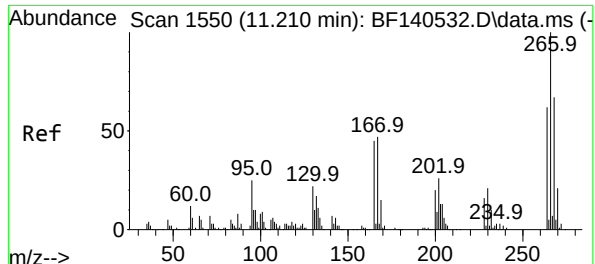
Tgt Ion:284 Resp: 349669
Ion Ratio Lower Upper
284 100
142 33.1 25.3 37.9
249 31.2 24.8 37.2



#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

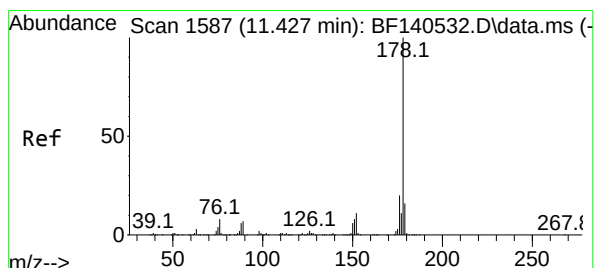
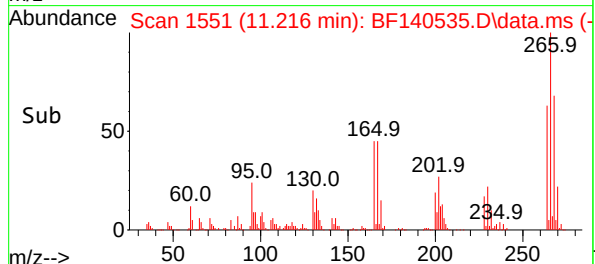
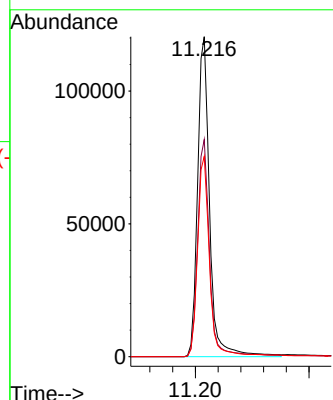
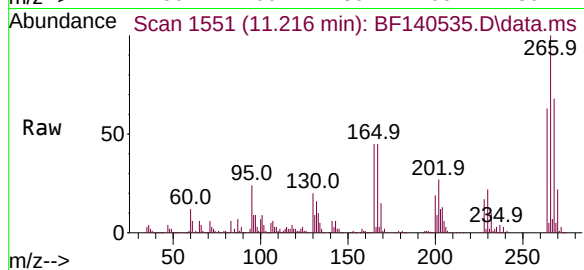
Tgt Ion:266 Resp: 177717

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

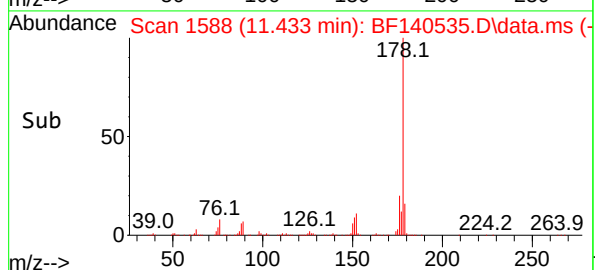
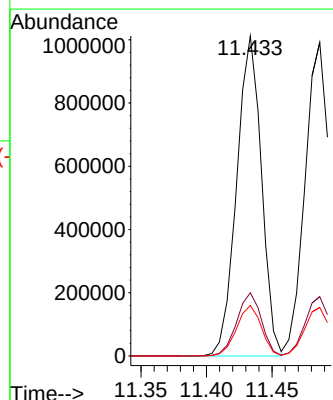
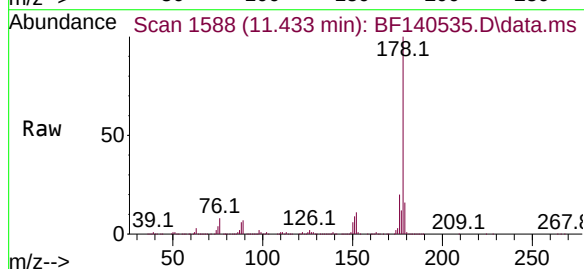
Tgt Ion:178 Resp: 1329366

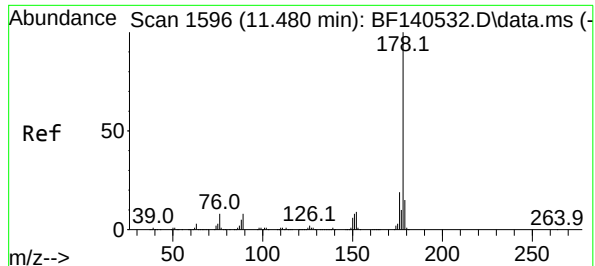
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.6

179 15.8 12.4 18.6

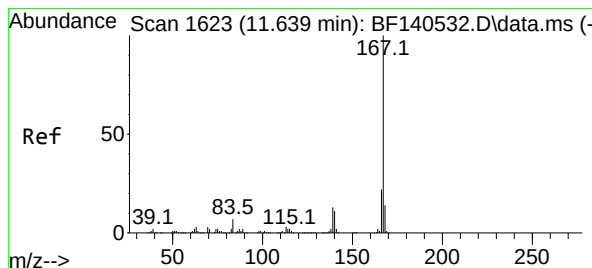
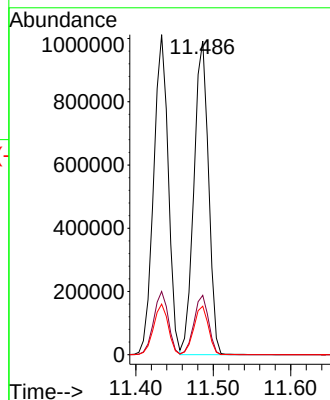
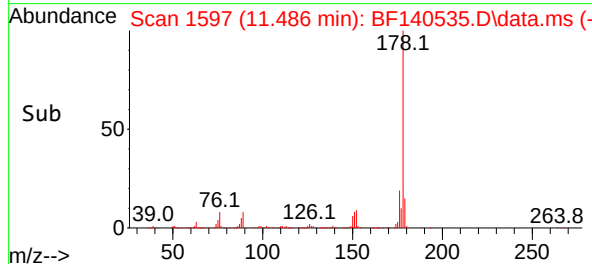
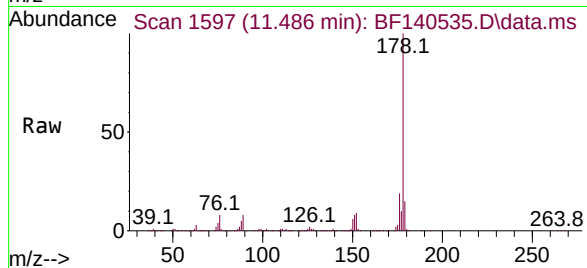




#72
Anthracene
Concen: 73.050 ng
RT: 11.486 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

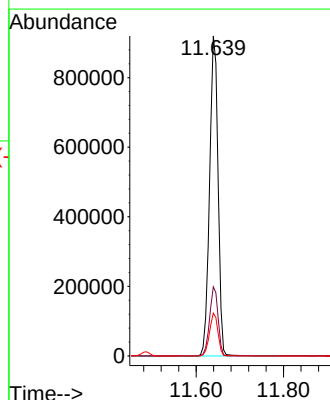
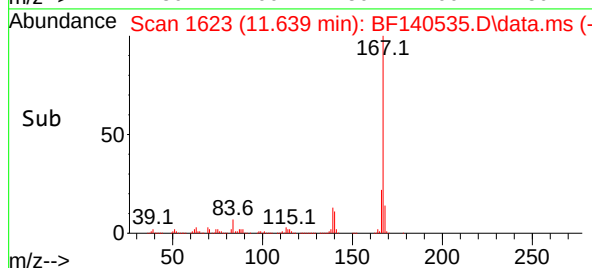
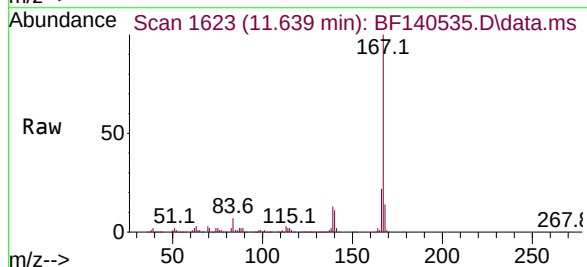
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

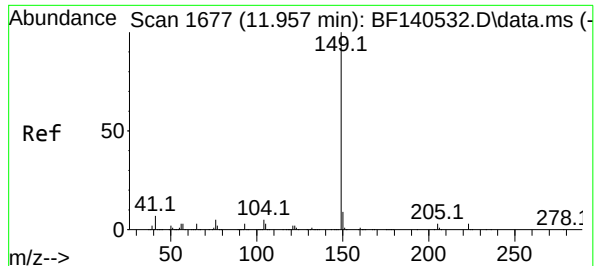
Tgt Ion:178 Resp: 1295331
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.2 18.4



#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

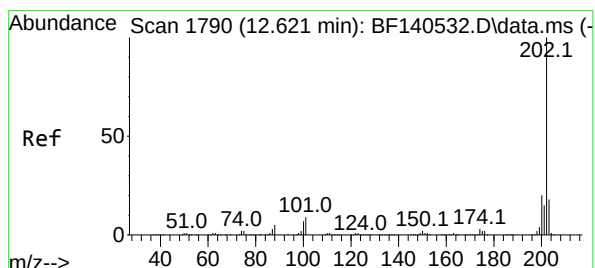
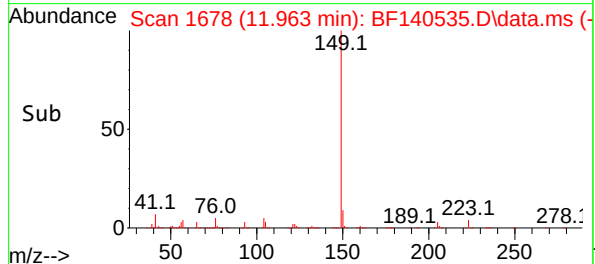
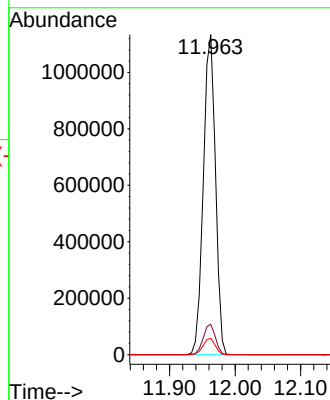
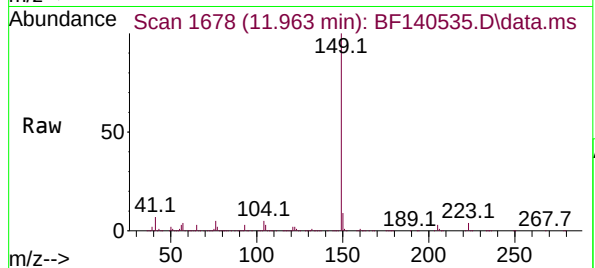




#74
Di-n-butylphthalate
Concen: 74.036 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

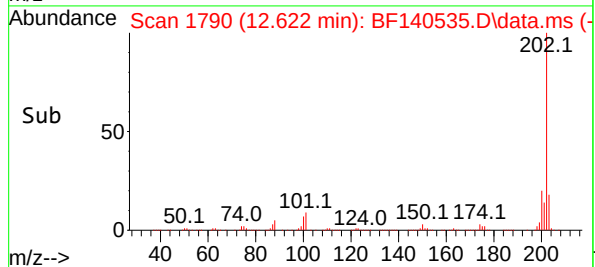
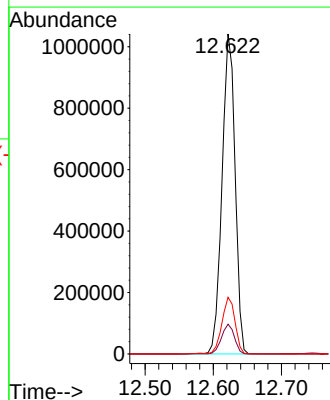
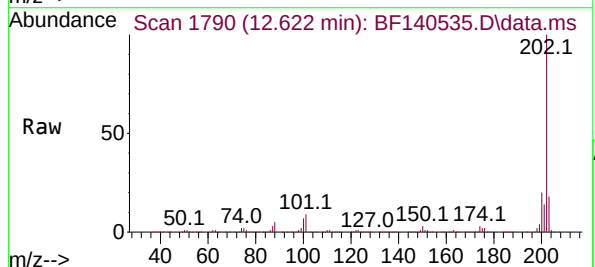
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

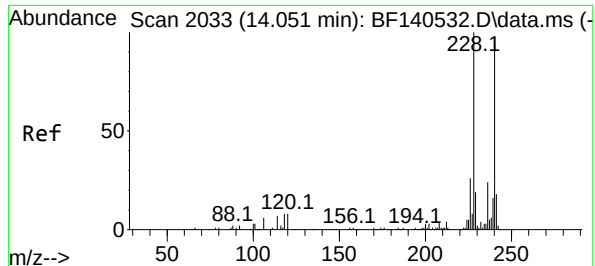
Tgt Ion:149 Resp: 1458047
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.1 4.1 6.1



#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

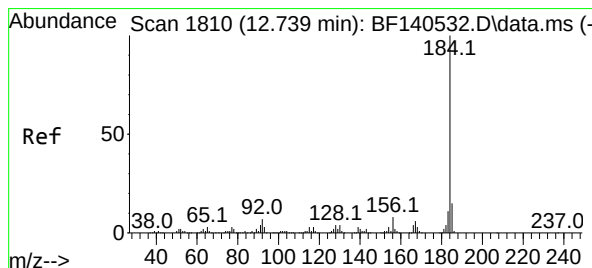
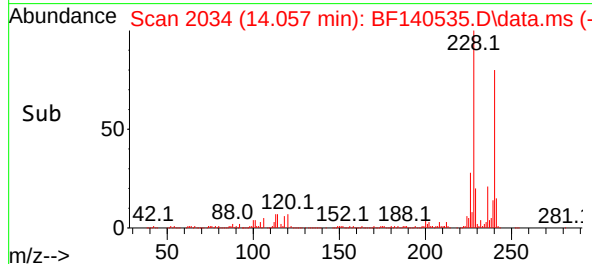
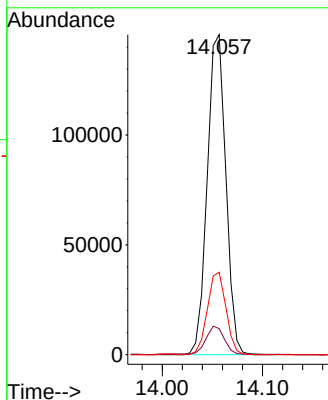
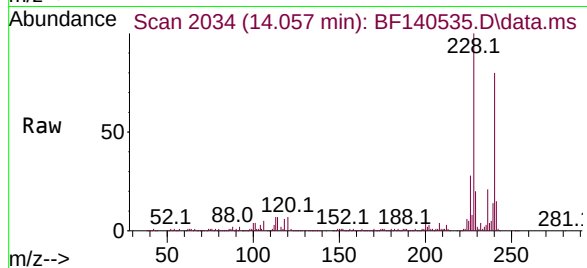




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

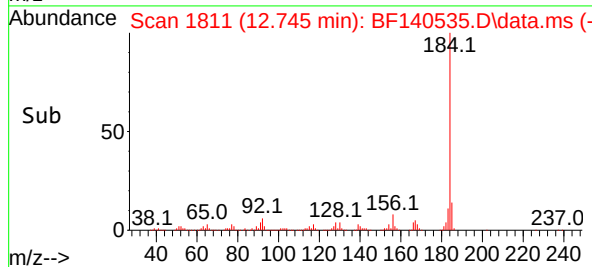
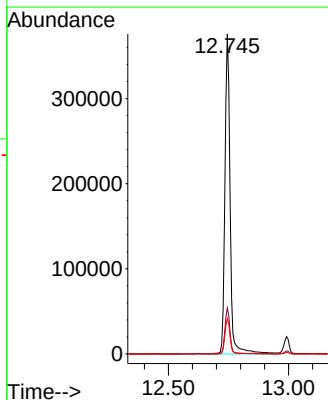
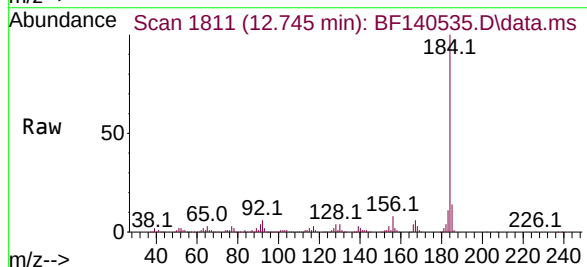
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

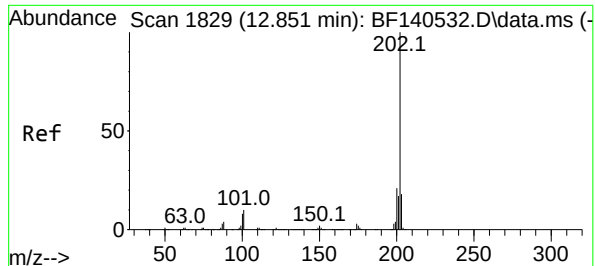
Tgt Ion:240 Resp: 187912
Ion Ratio Lower Upper
240 100
120 8.2 7.3 10.9
236 25.8 20.6 31.0



#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

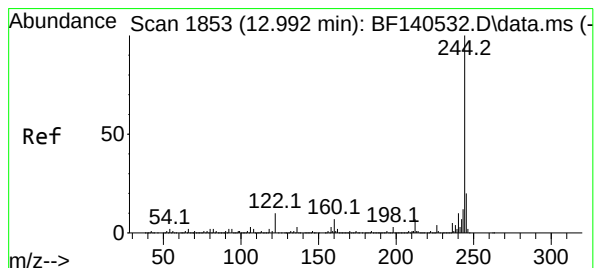
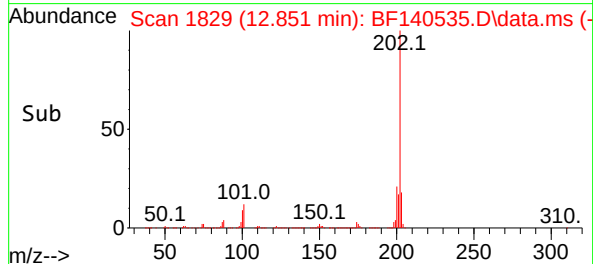
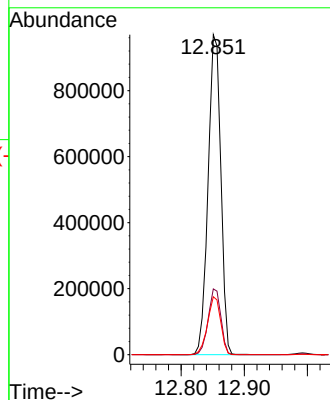
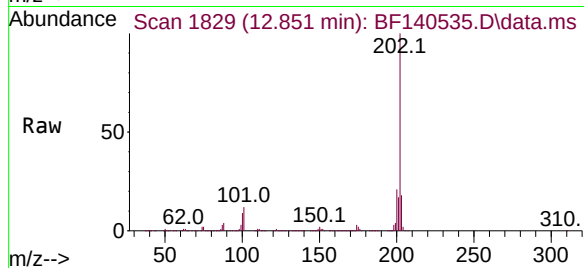




#78
Pyrene
Concen: 77.840 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

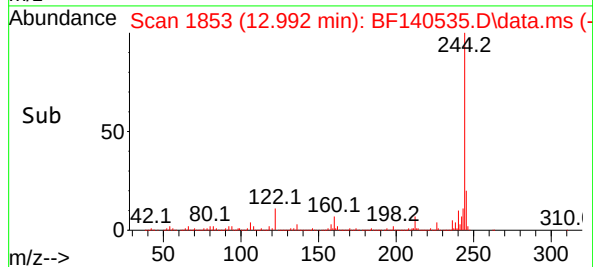
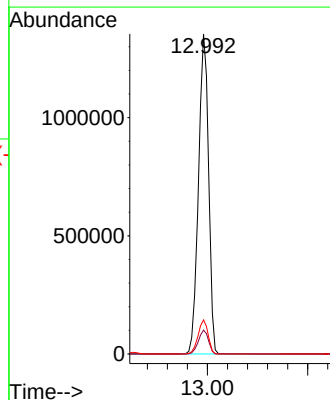
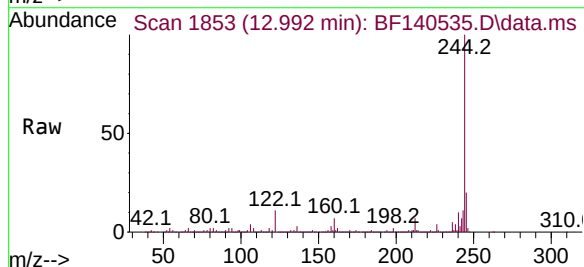
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

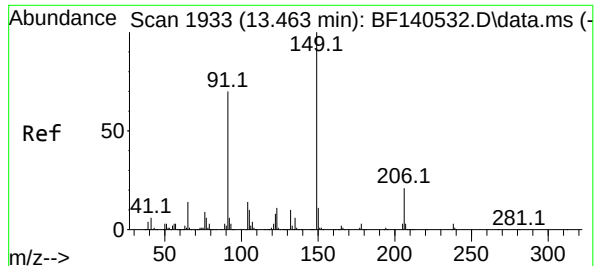
Tgt Ion:202 Resp: 1352459
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 18.1 14.2 21.4



#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

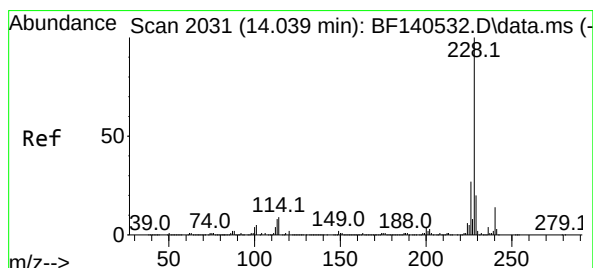
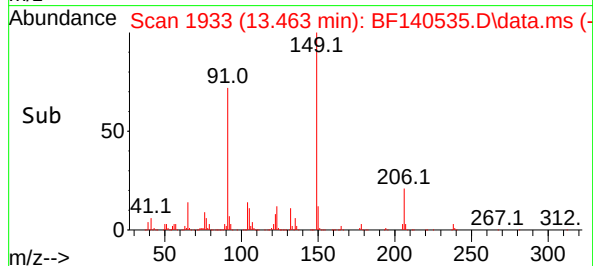
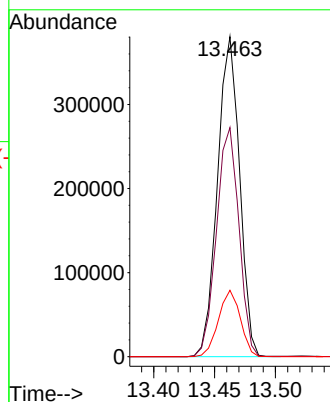
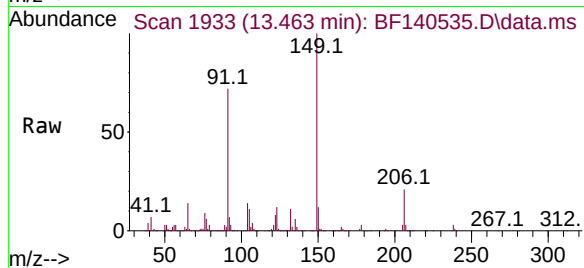




#80
Butylbenzylphthalate
Concen: 76.981 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

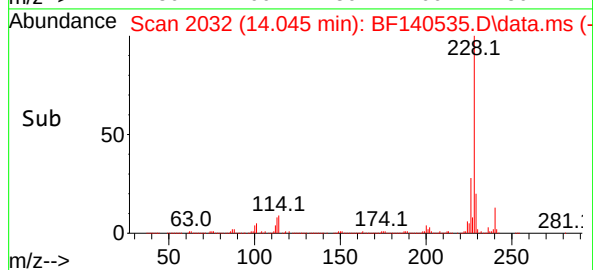
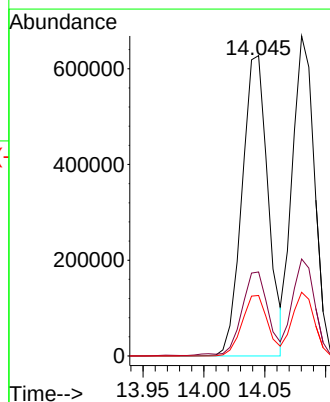
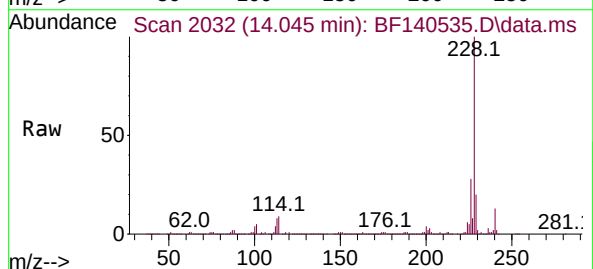
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

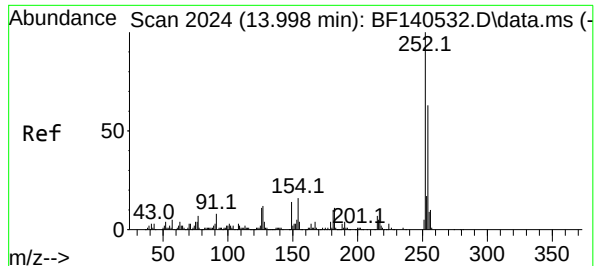
Tgt Ion:149 Resp: 481834
Ion Ratio Lower Upper
149 100
91 71.6 56.2 84.2
206 20.8 16.4 24.6



#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

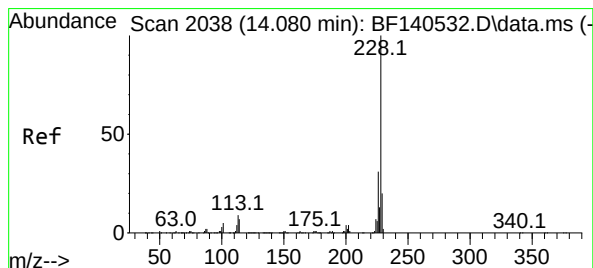
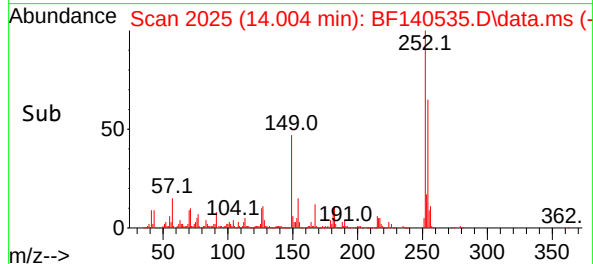
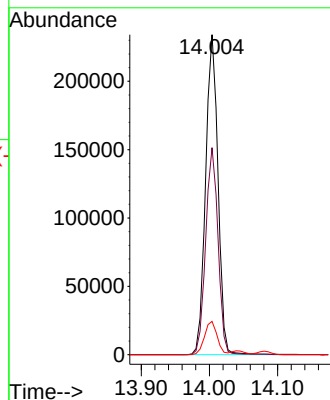
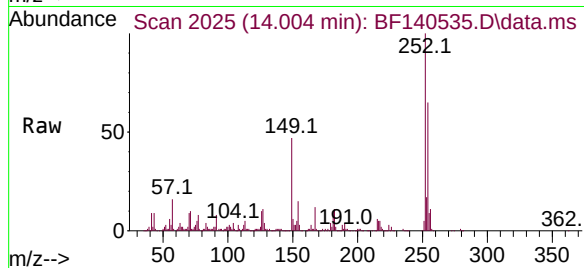
Tgt Ion:252 Resp: 295857

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

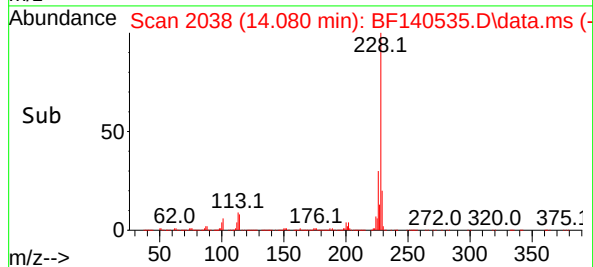
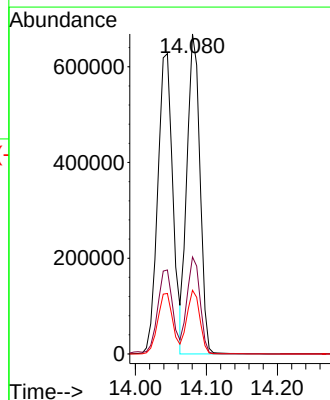
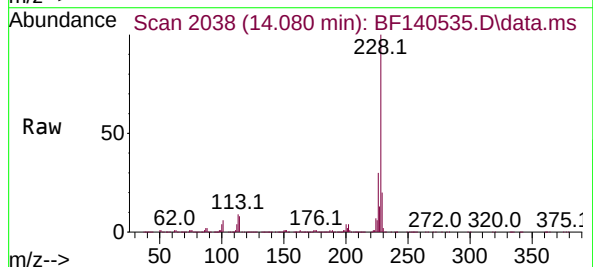
Tgt Ion:228 Resp: 847578

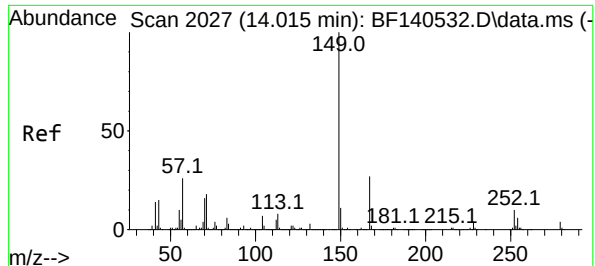
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 19.9 15.8 23.6

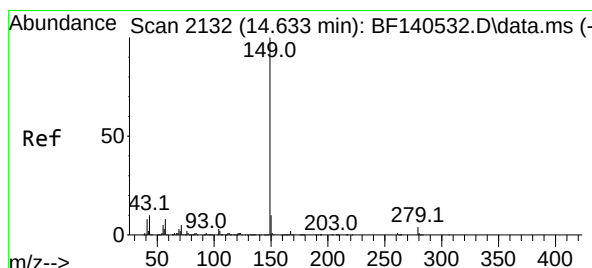
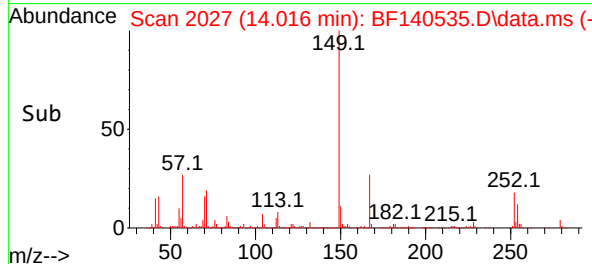
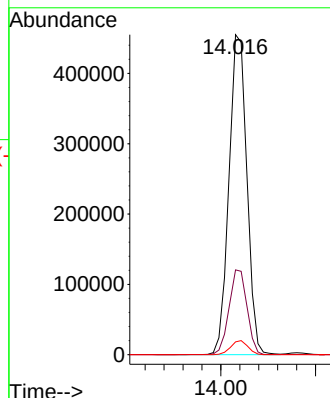
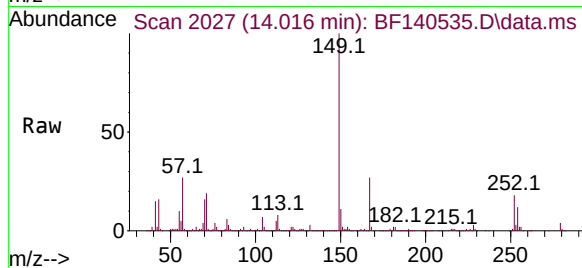




#84
Bis(2-ethylhexyl)phthalate
Concen: 75.781 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

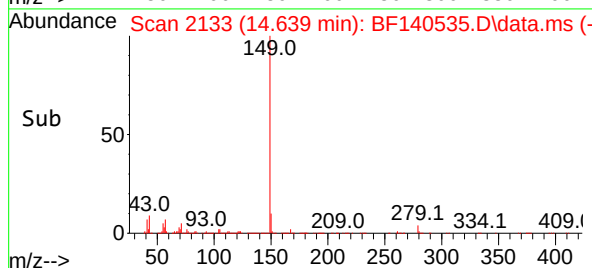
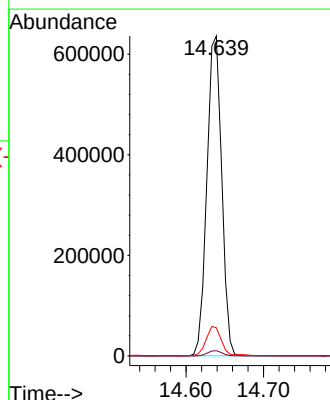
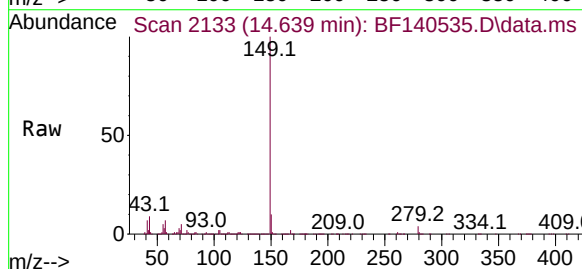
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

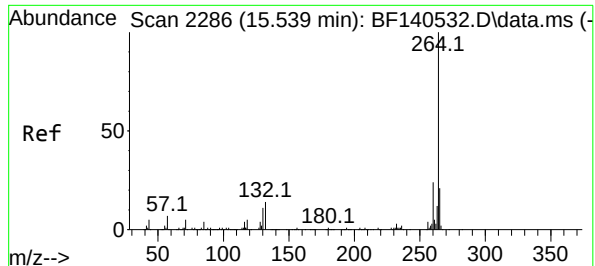
Tgt Ion:149 Resp: 598926
Ion Ratio Lower Upper
149 100
167 26.5 21.2 31.8
279 4.0 3.2 4.8



#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

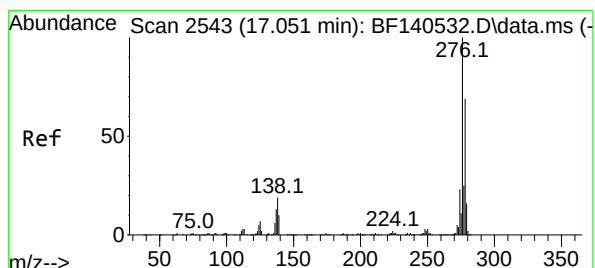
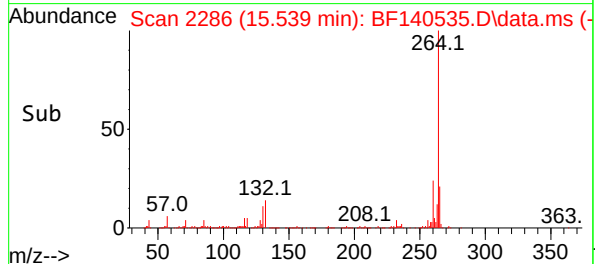
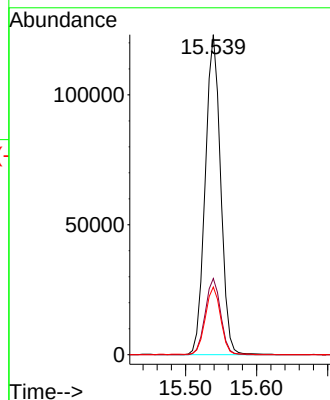
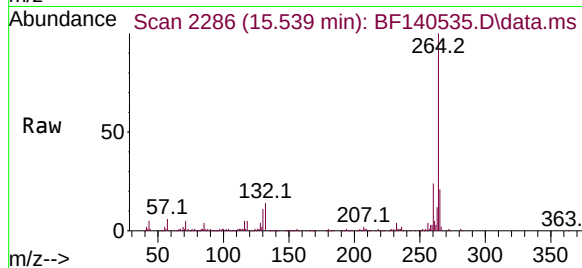




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

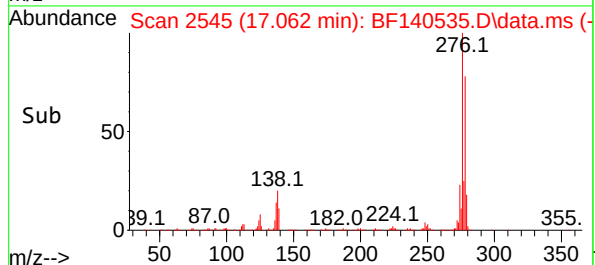
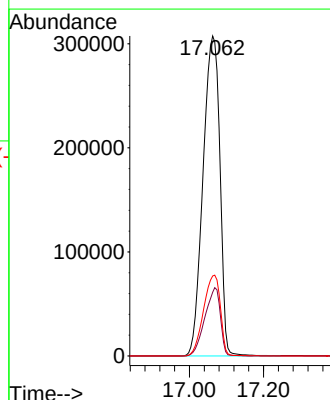
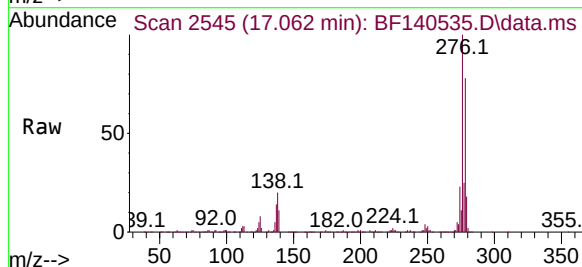
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

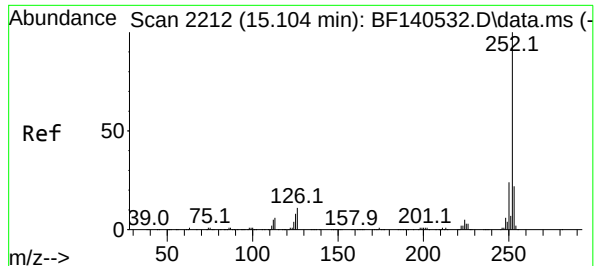
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	21.1	16.6	25.0



#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	Ratio	Lower	Upper
276	100		
138	19.6	15.5	23.3
277	25.2	20.1	30.1

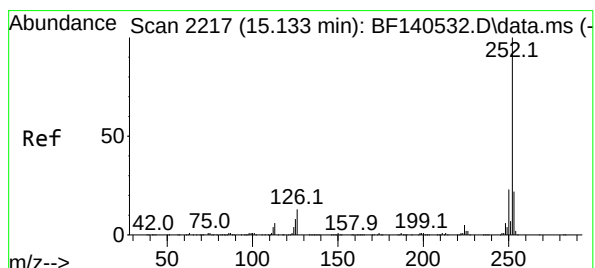
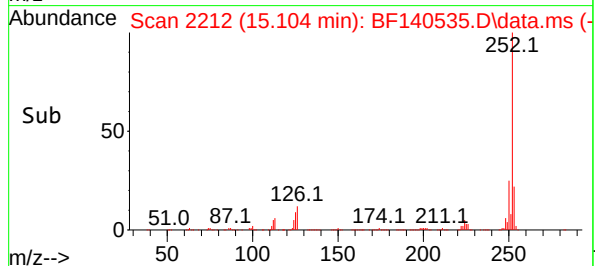
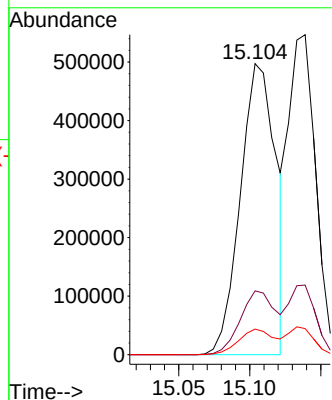
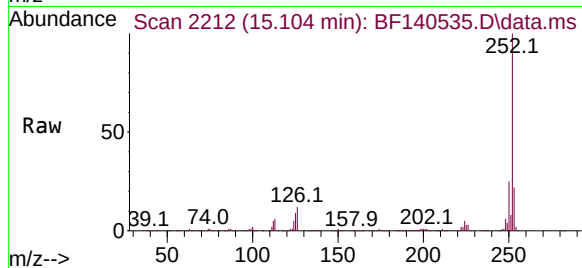




#88
Benzo(b)fluoranthene
Concen: 74.378 ng
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

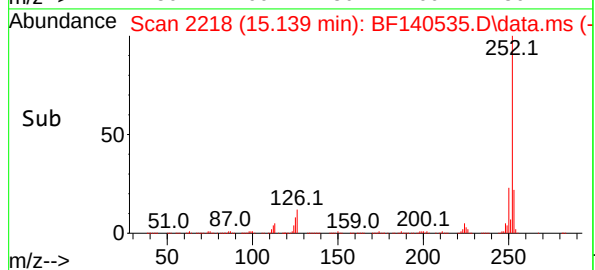
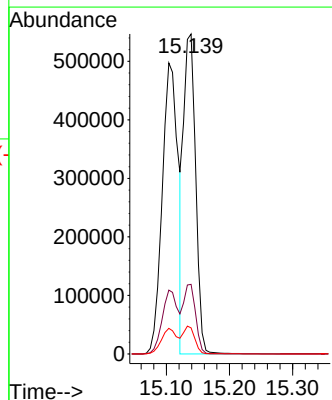
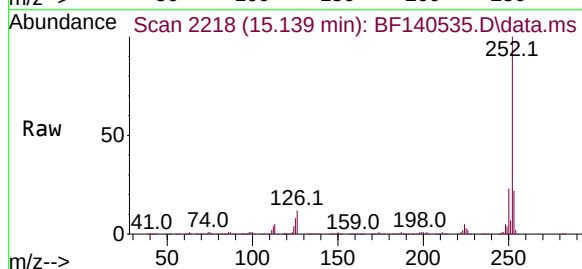
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

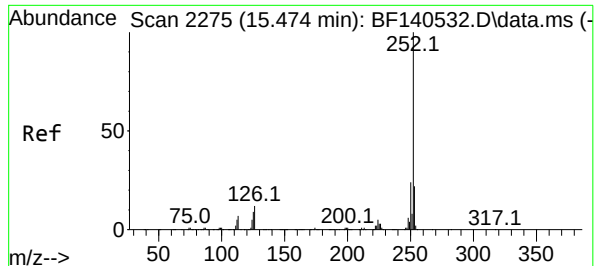
Tgt Ion:252 Resp: 866416
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 8.8 6.7 10.1



#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

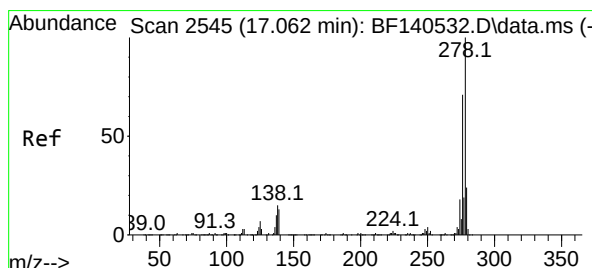
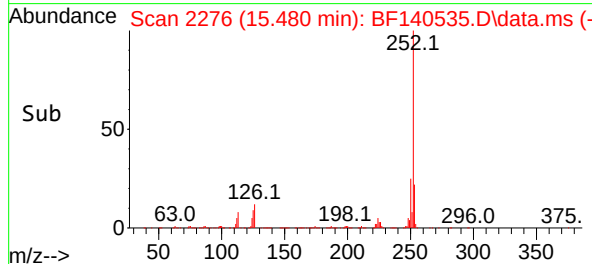
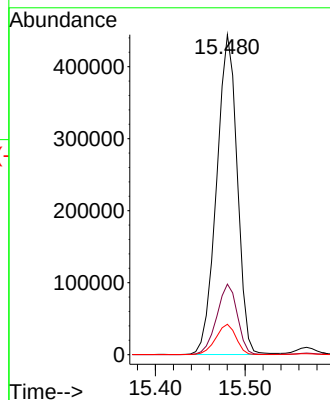
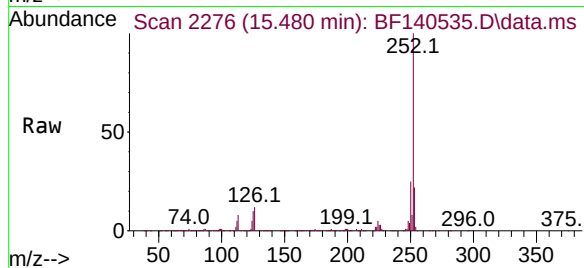




#90
Benzo(a)pyrene
Concen: 74.969 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140535.D
Acq: 21 Nov 2024 14:18

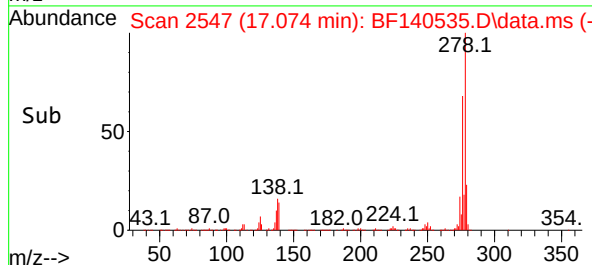
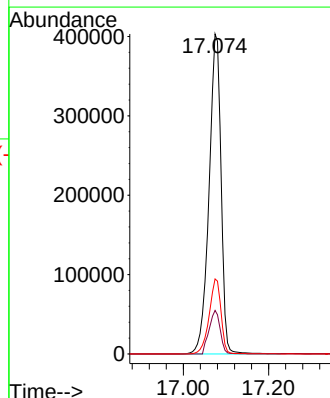
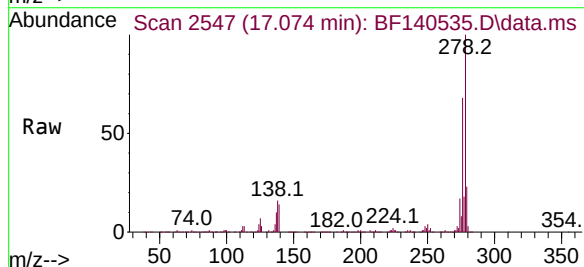
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

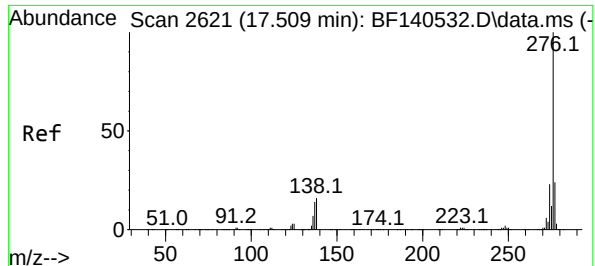
Tgt Ion:252 Resp: 710060
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 9.5 7.0 10.6



#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

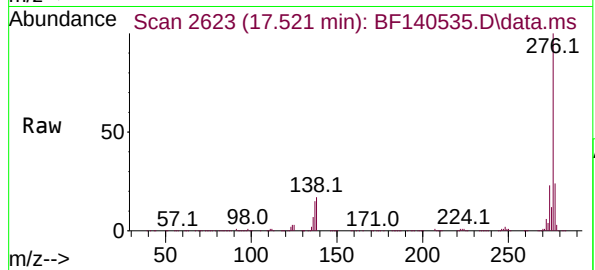
Acq: 21 Nov 2024 14:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



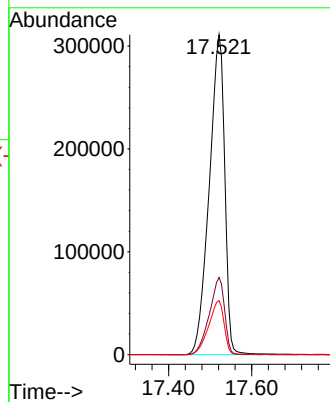
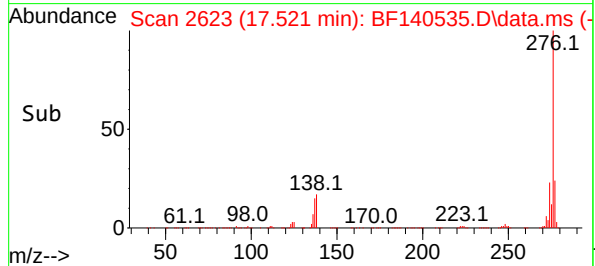
Tgt Ion:276 Resp: 803570

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

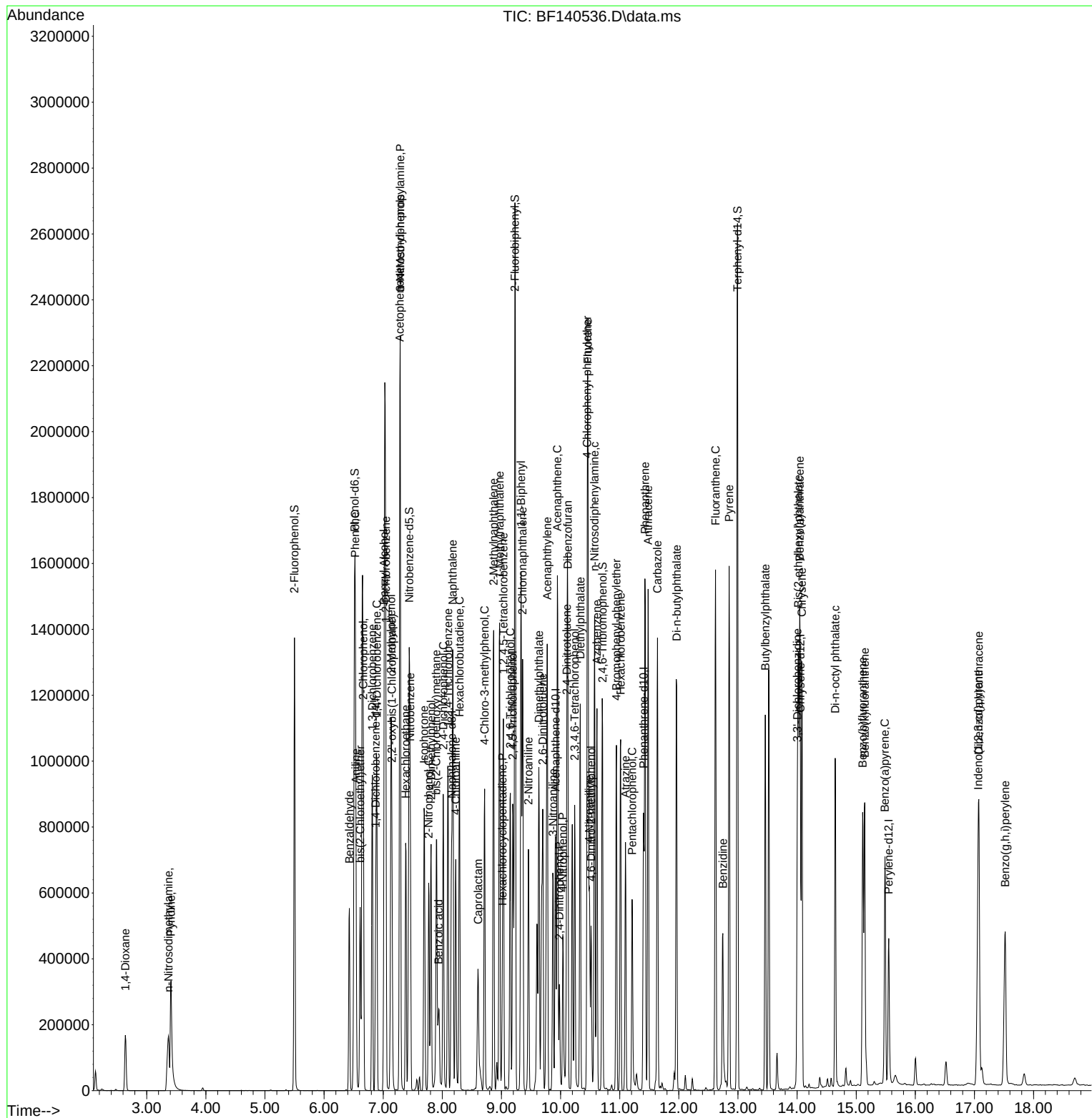
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Data File : BF140536.D  
Acq On    : 21 Nov 2024   15:07  
Operator  : RC/JU  
Sample    : SSTDICV040  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
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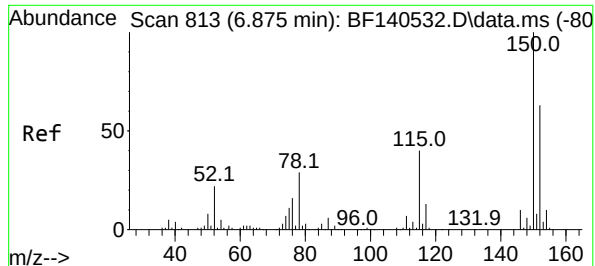
Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Manual Integrations

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

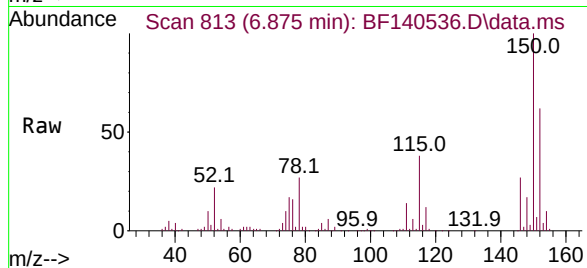
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#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

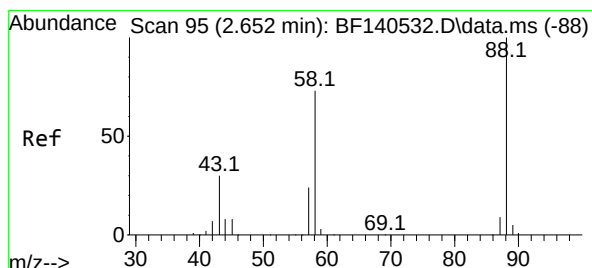
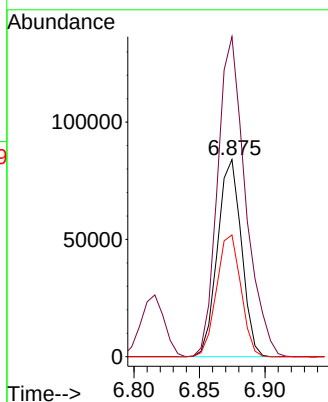
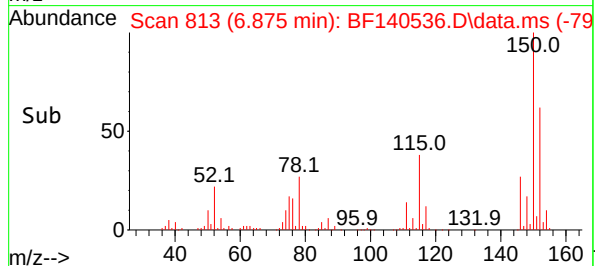
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

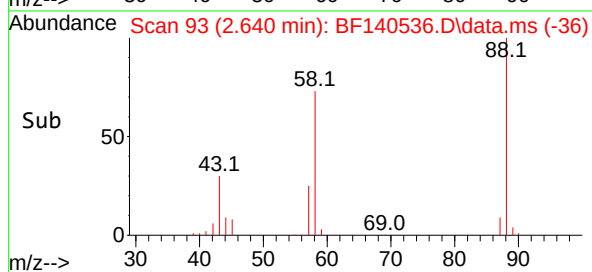
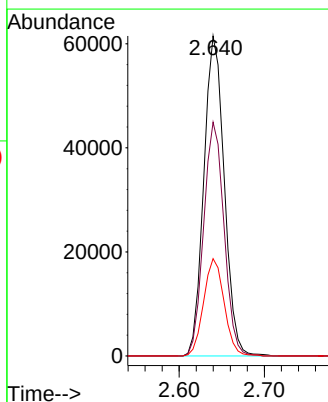
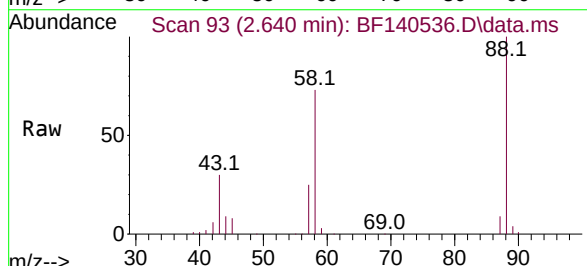
Manual Integrations
APPROVED

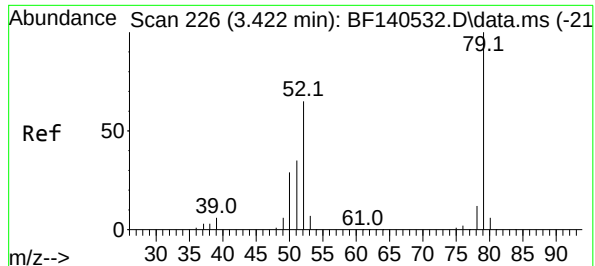
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

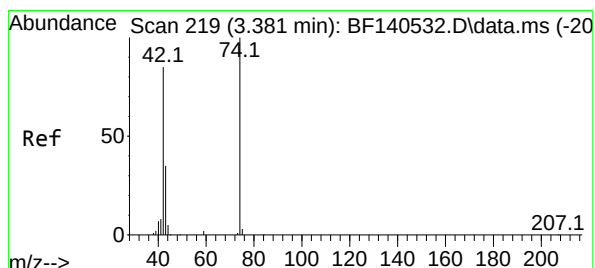
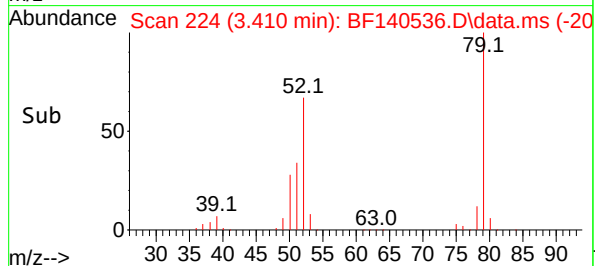
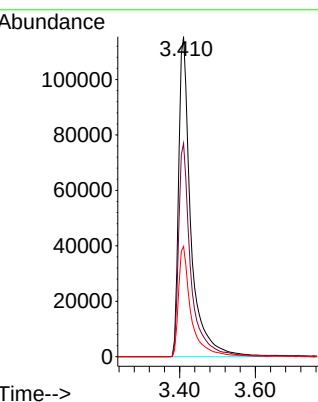
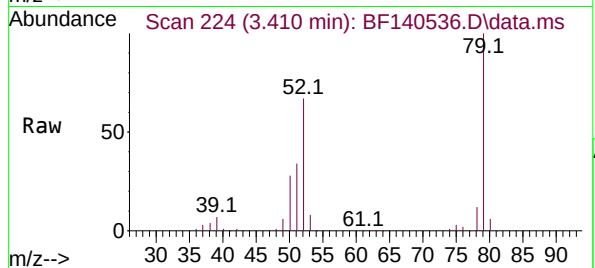
51 34.4 27.8 41.8

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

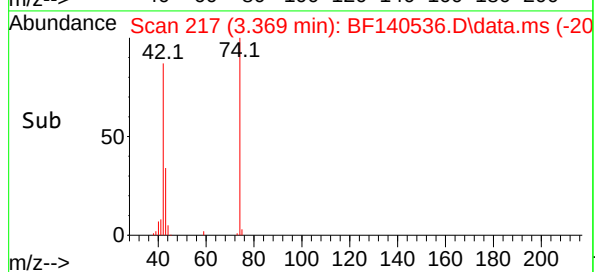
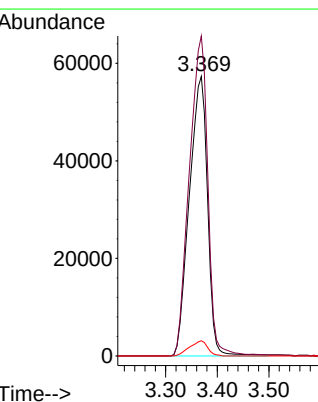
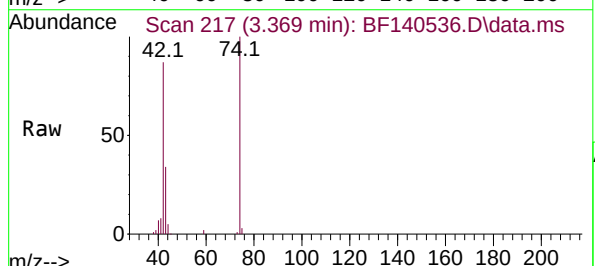
Tgt Ion: 42 Resp: 140208

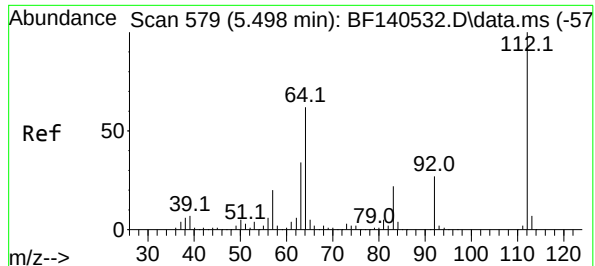
Ion Ratio Lower Upper

42 100

74 114.5 93.8 140.6

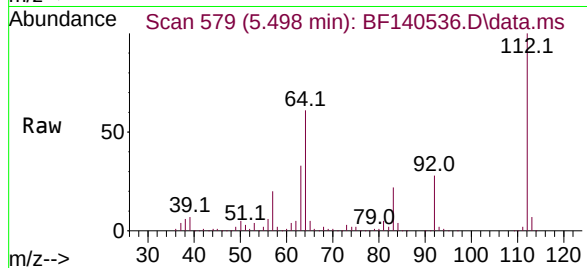
44 5.5 4.6 6.8





#5
2-Fluorophenol
Concen: 79.009 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

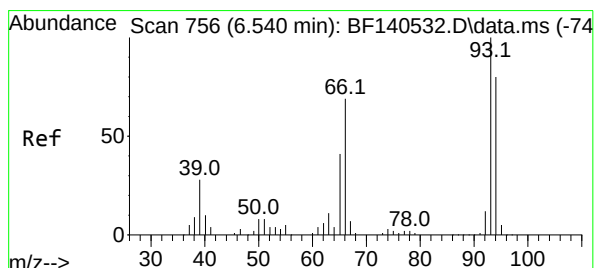
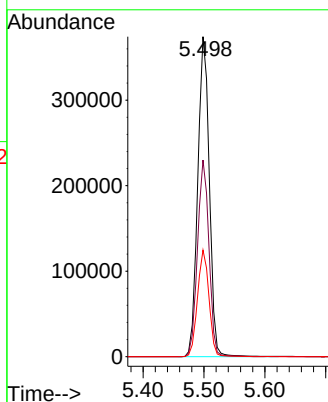
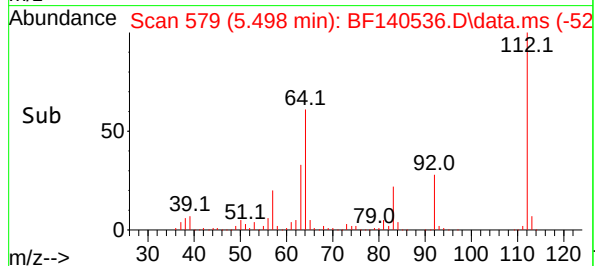
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



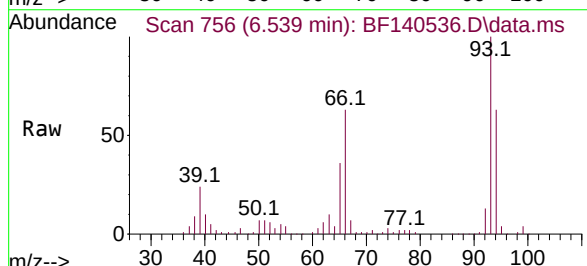
Tgt Ion:112 Resp: 49471
Ion Ratio Lower Upper
112 100
64 61.5 49.2 73.8
63 33.3 27.0 40.4

Manual Integrations
APPROVED

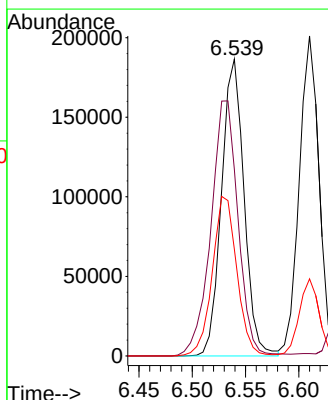
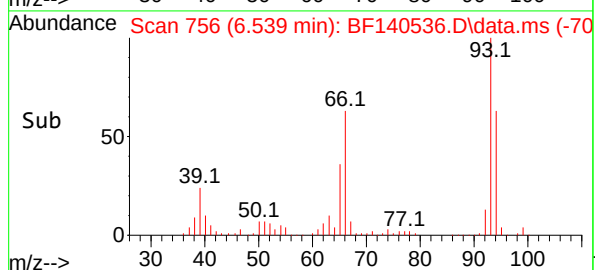
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

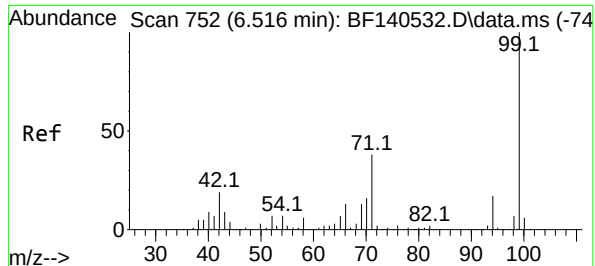


#6
Aniline
Concen: 47.067 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



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

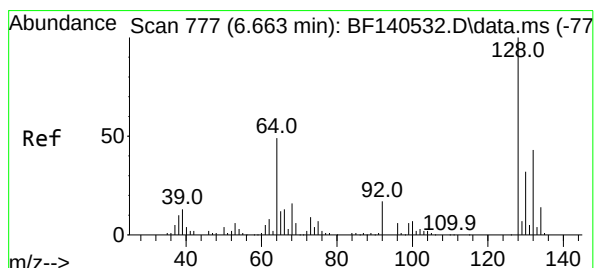
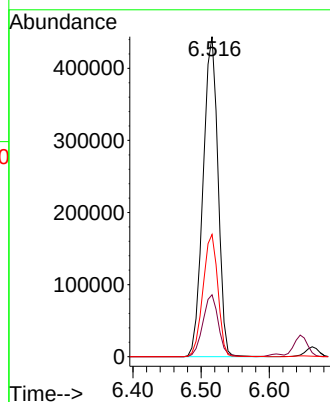
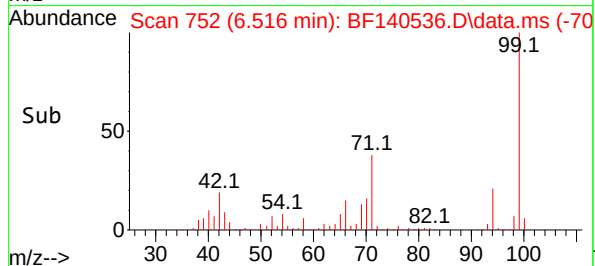
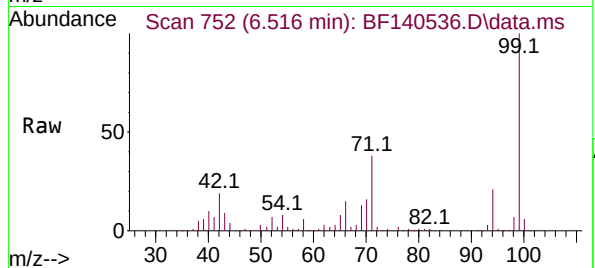
71 38.2 30.6 46.0

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

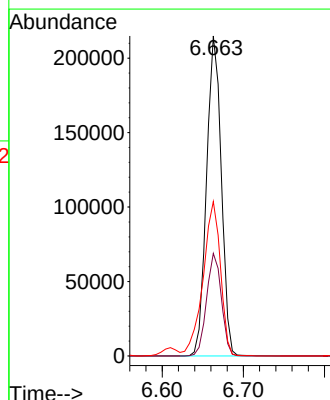
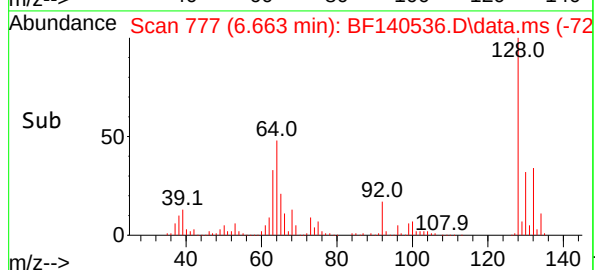
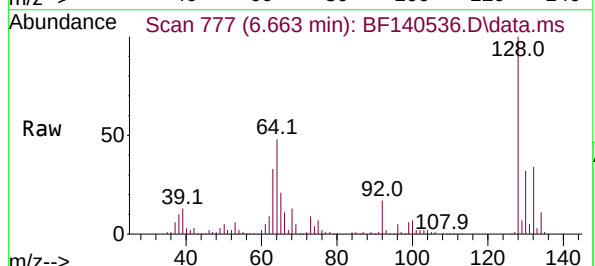
Tgt Ion:128 Resp: 270746

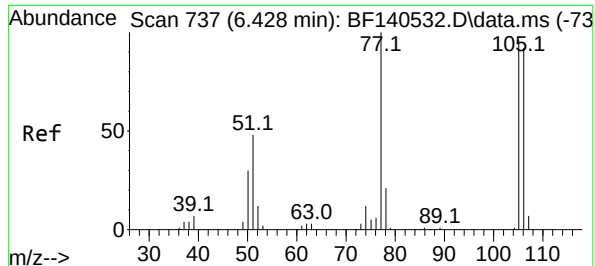
Ion Ratio Lower Upper

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

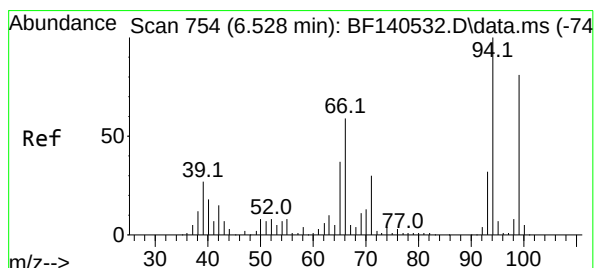
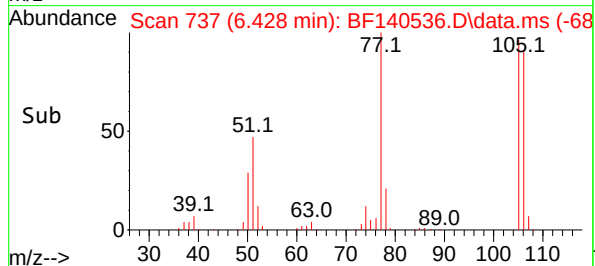
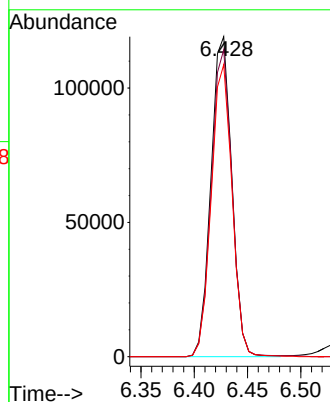
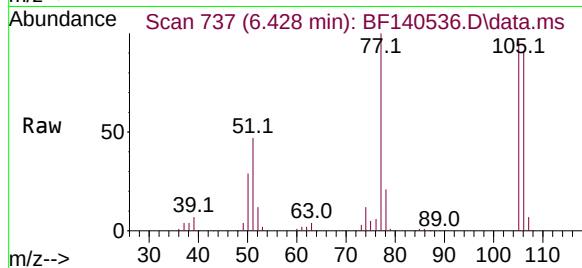
106 91.2 72.0 112.0

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

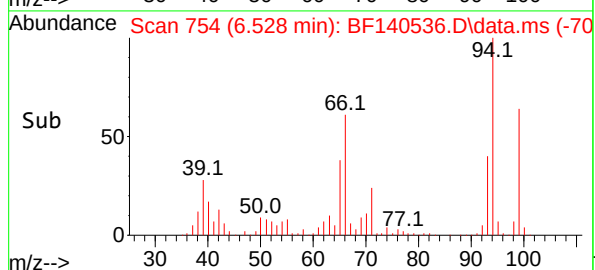
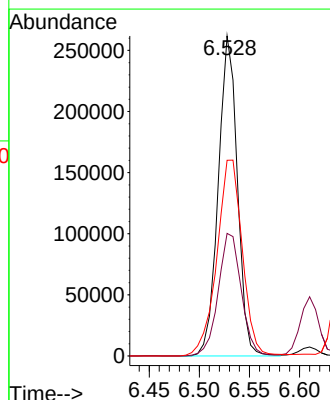
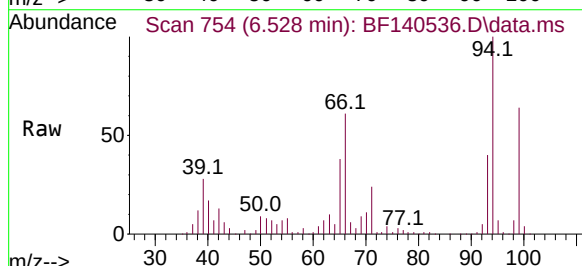
Tgt Ion: 94 Resp: 346860

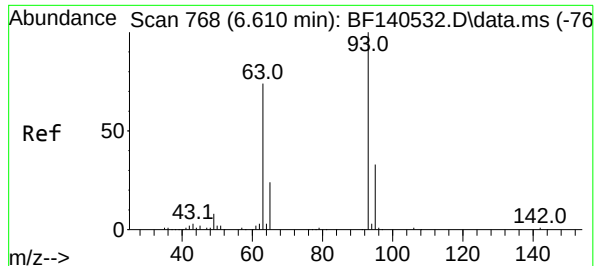
Ion Ratio Lower Upper

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

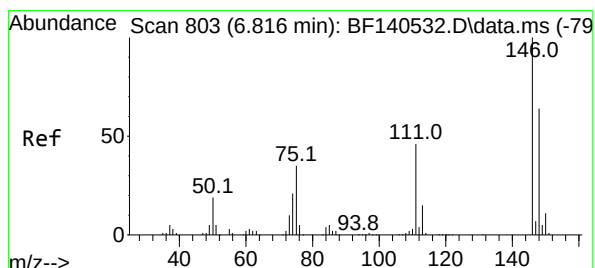
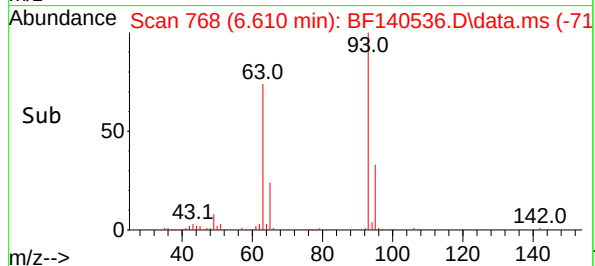
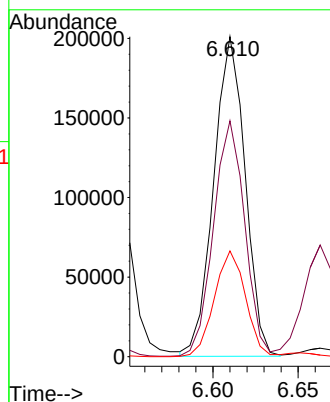
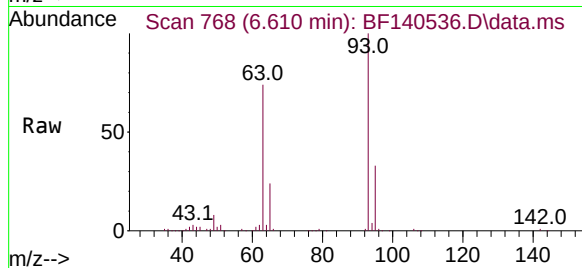
95 33.0 12.3 52.3

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

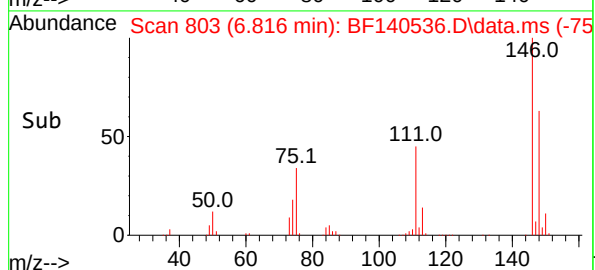
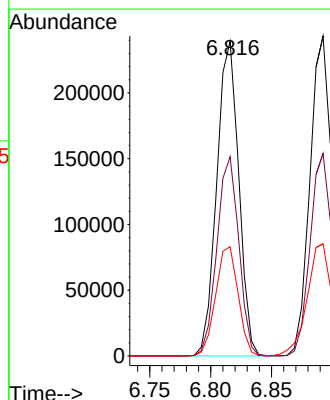
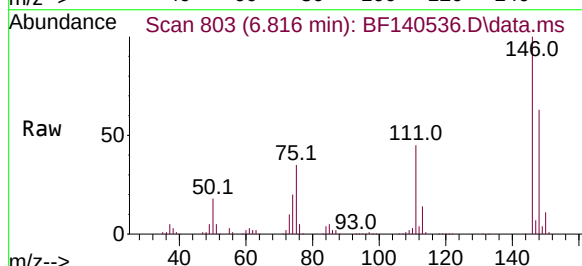
Tgt Ion:146 Resp: 300749

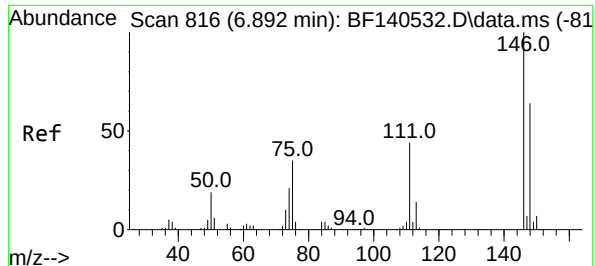
Ion Ratio Lower Upper

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

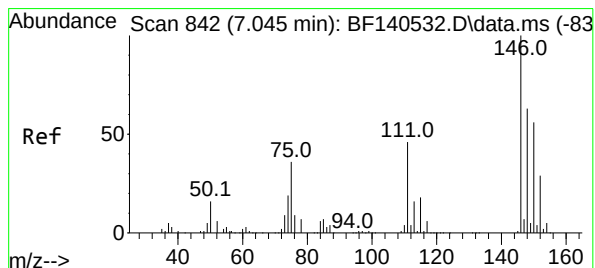
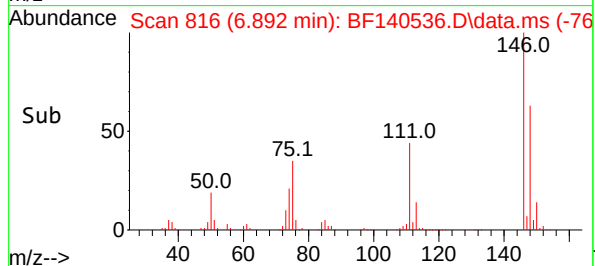
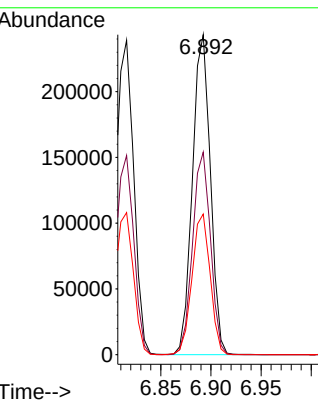
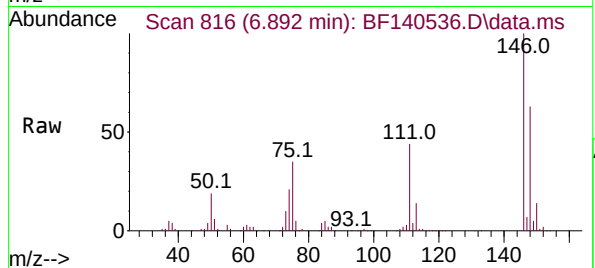
111 44.0 35.3 52.9

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

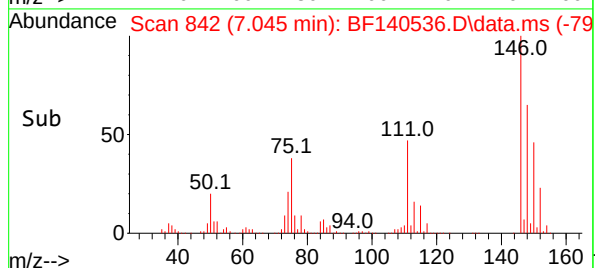
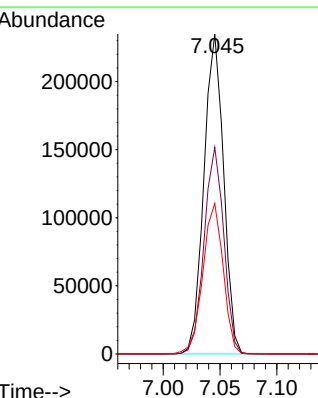
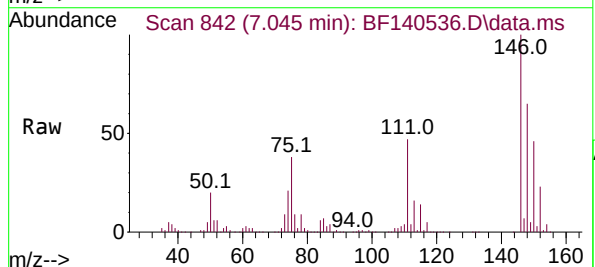
Tgt Ion:146 Resp: 283001

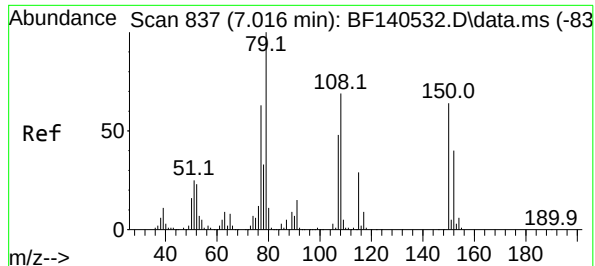
Ion Ratio Lower Upper

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

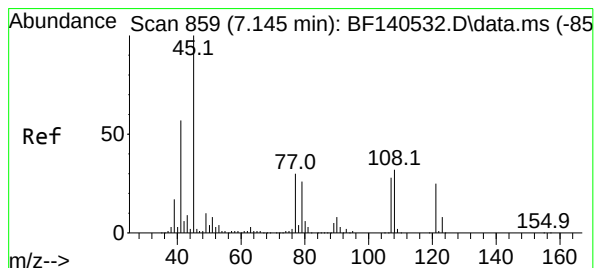
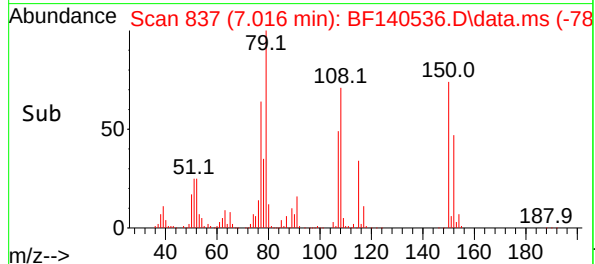
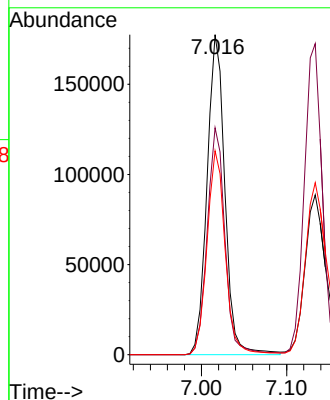
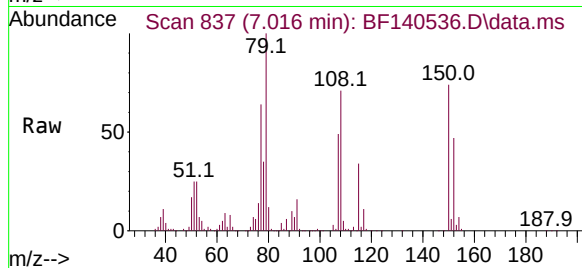
77 63.7 50.1 75.1

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

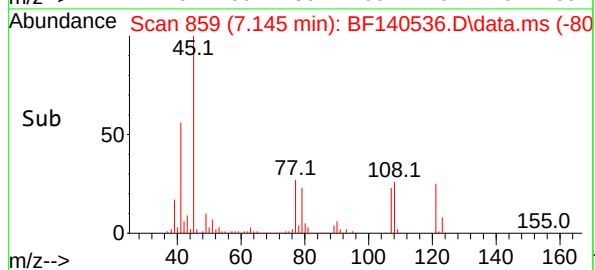
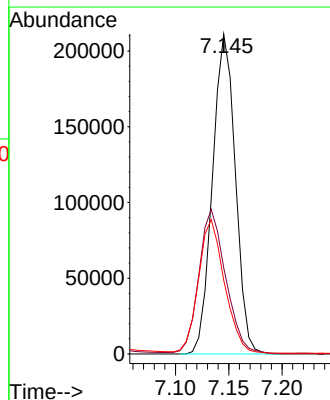
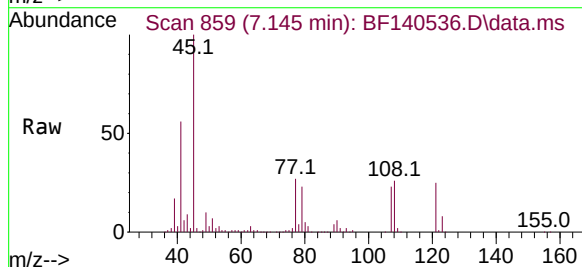
Tgt Ion: 45 Resp: 314742

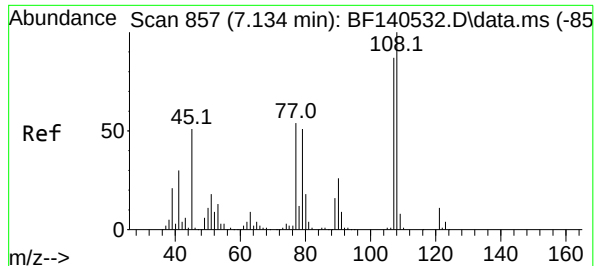
Ion Ratio Lower Upper

45 100

77 26.9 10.7 50.7

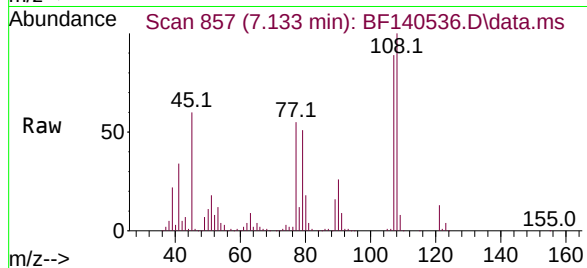
79 23.0 7.0 47.0





#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

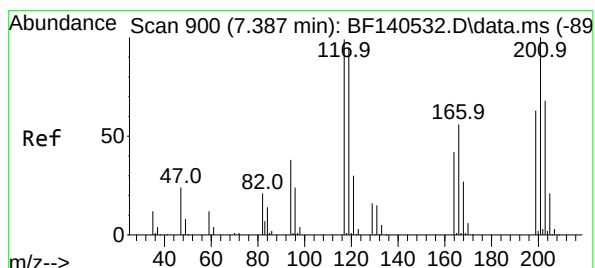
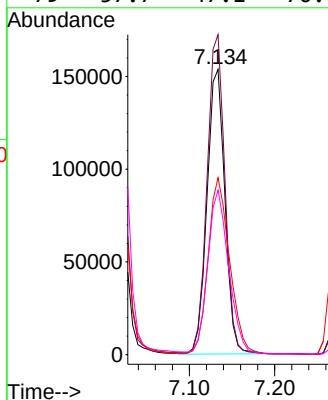
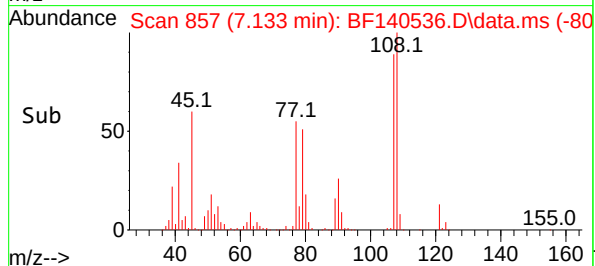
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



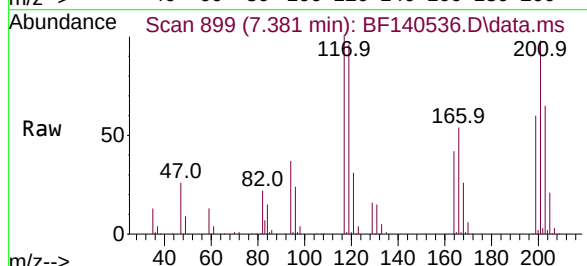
Tgt Ion:107 Resp: 224359
Ion Ratio Lower Upper
107 100
108 112.1 91.7 137.5
77 62.0 49.3 73.9
79 57.7 47.1 70.7

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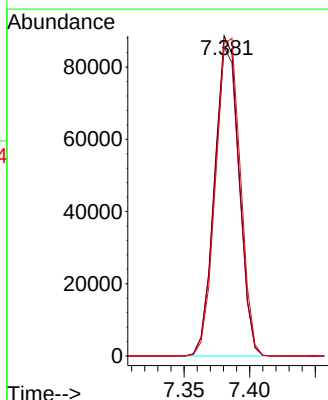
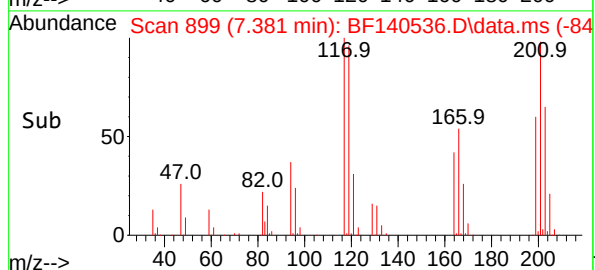
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

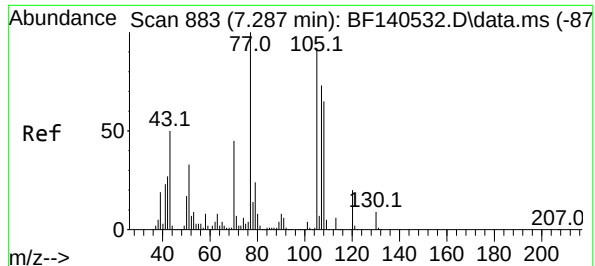


#18
Hexachloroethane
Concen: 40.108 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



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

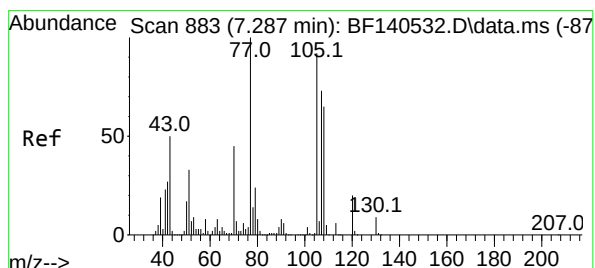
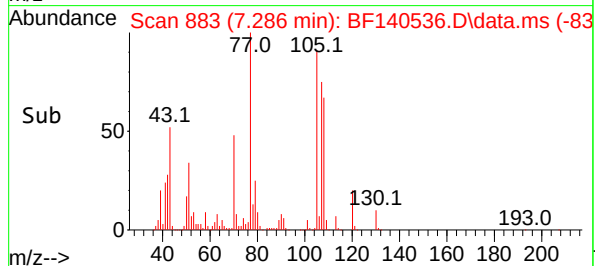
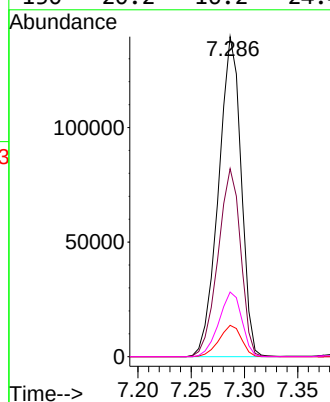
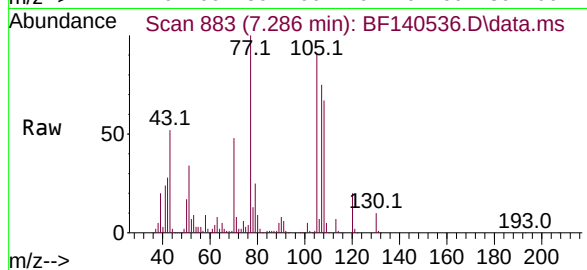
130 20.2 16.2 24.4

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

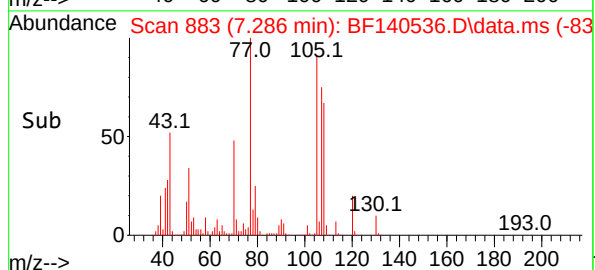
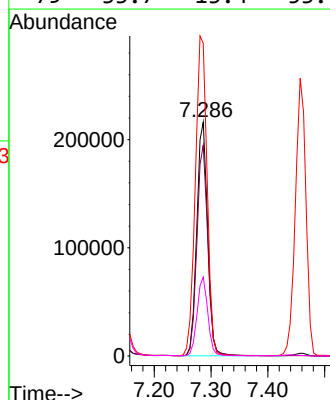
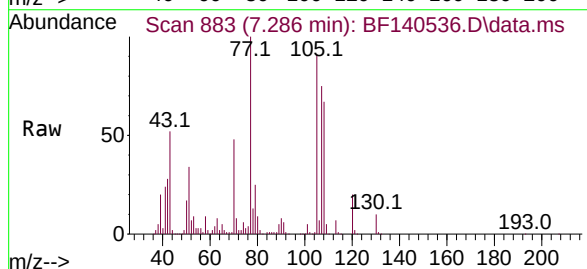
Ion Ratio Lower Upper

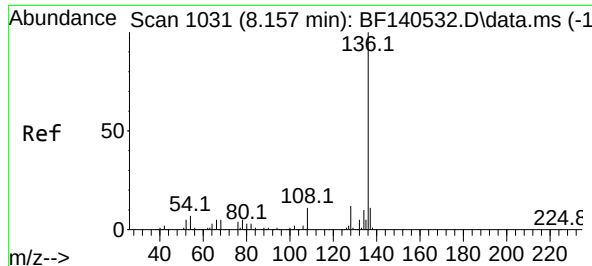
107 100

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: 41761

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 6.9 5.8 8.8

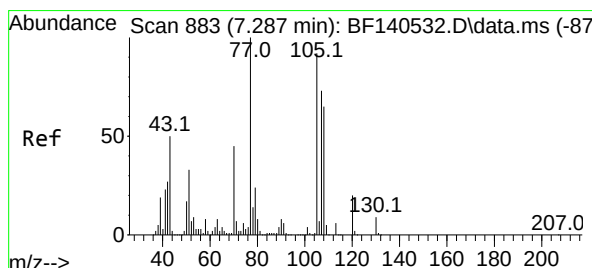
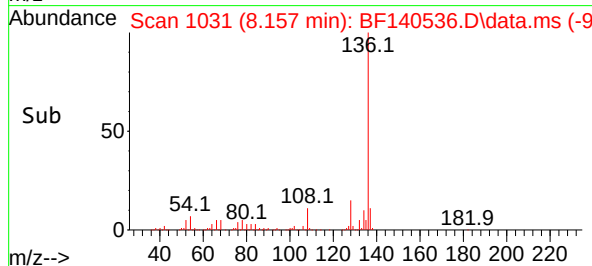
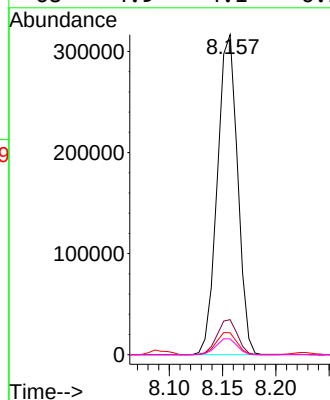
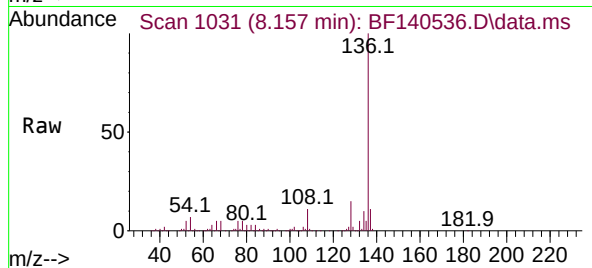
68 4.9 4.1 6.1

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

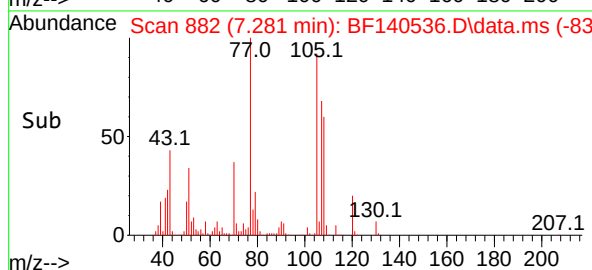
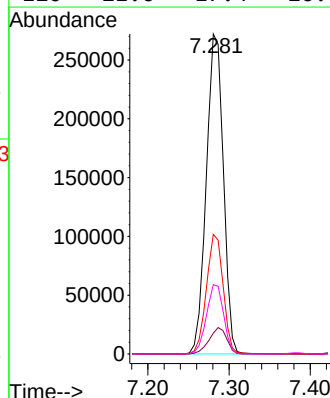
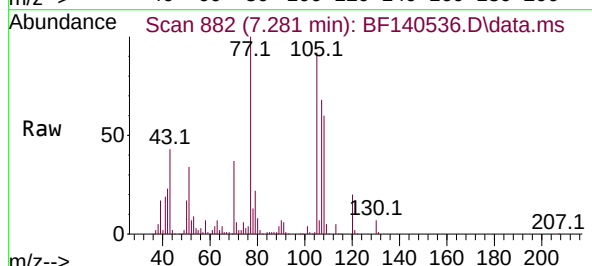
Ion Ratio Lower Upper

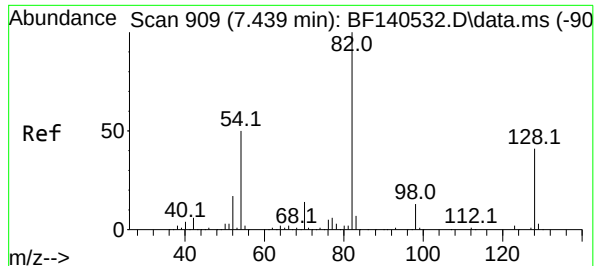
105 100

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

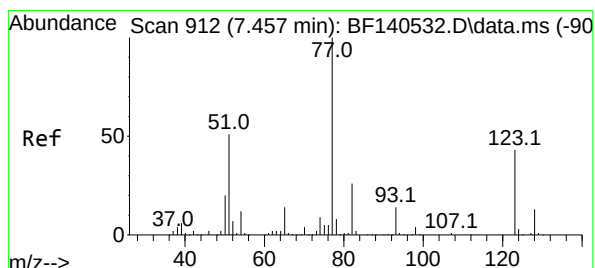
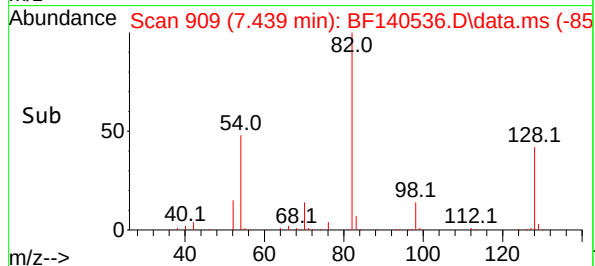
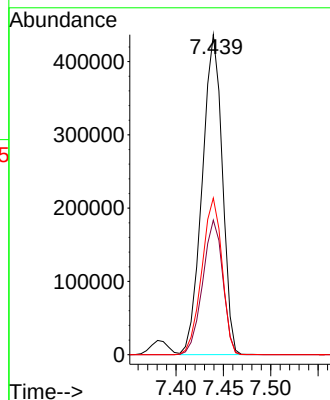
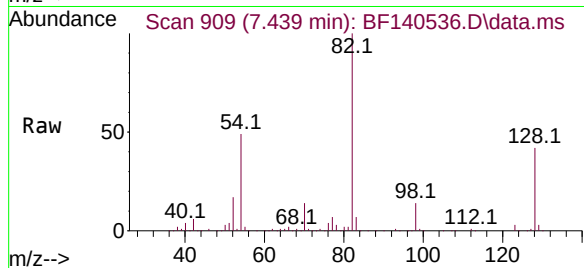
54 49.0 39.5 59.3

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

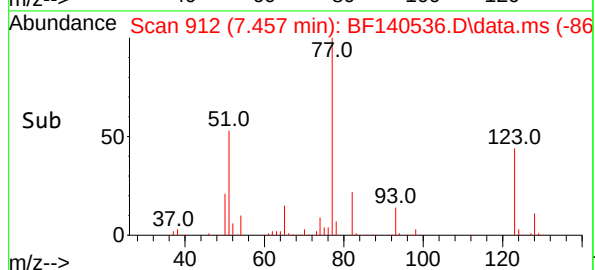
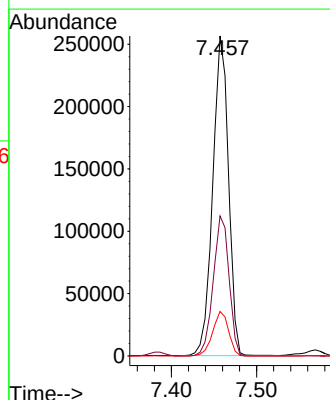
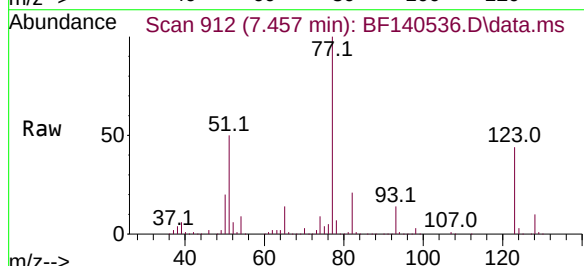
Tgt Ion: 77 Resp: 330161

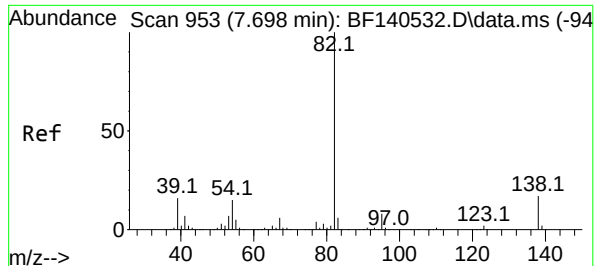
Ion Ratio Lower Upper

77 100

123 43.8 34.3 51.5

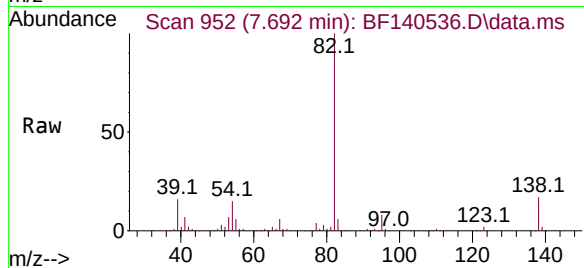
65 13.9 11.2 16.8





#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

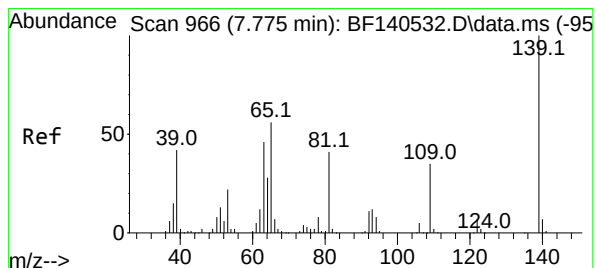
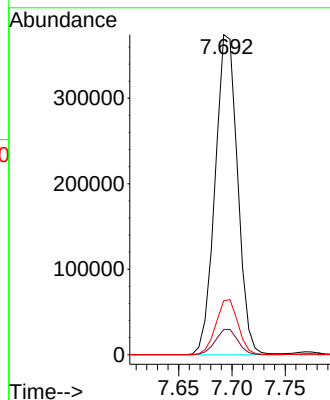
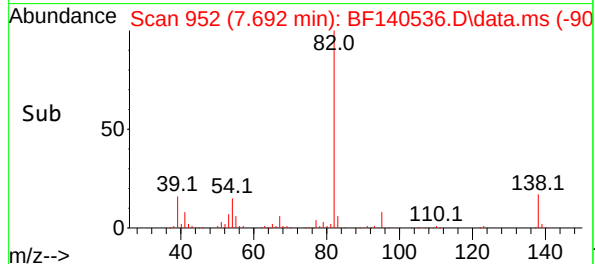
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

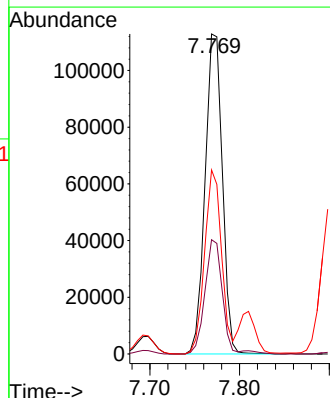
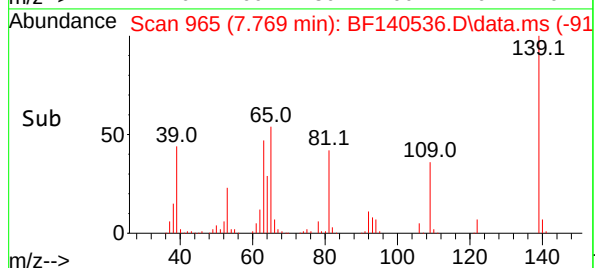
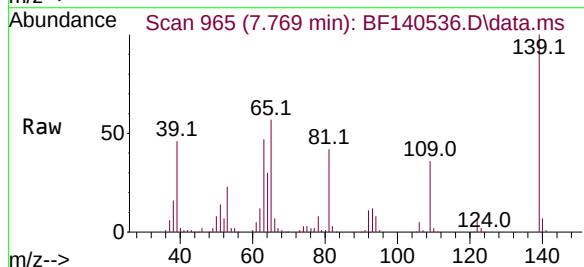
Manual Integrations
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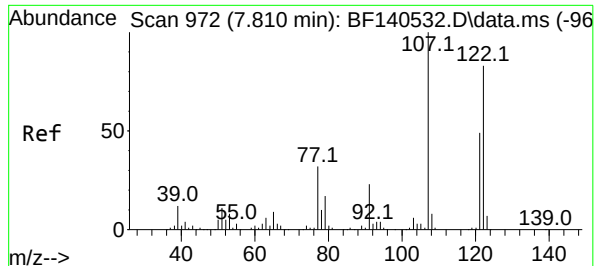
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

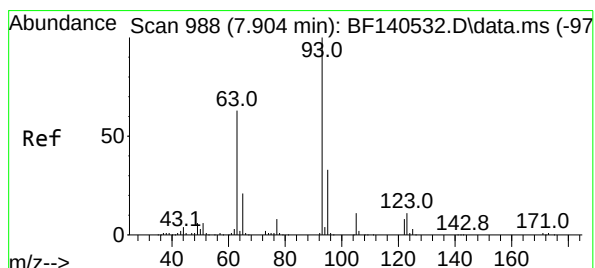
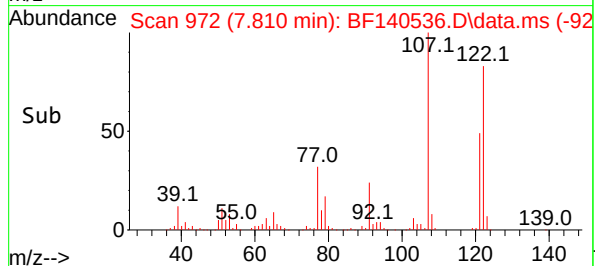
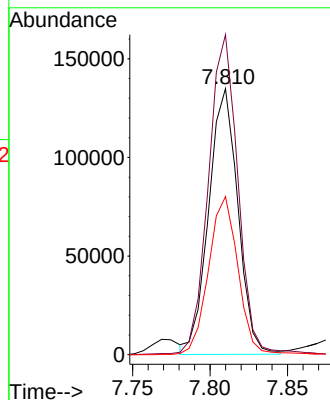
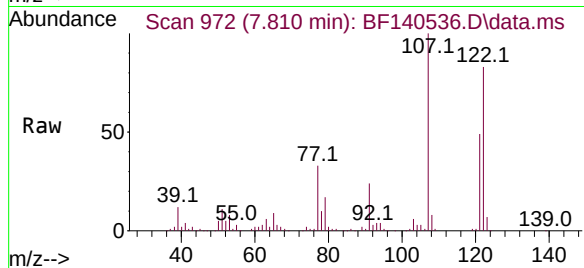
121 59.4 47.4 71.0

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

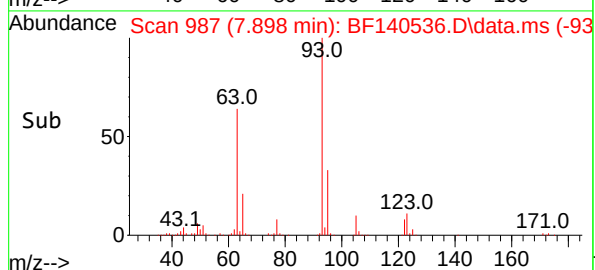
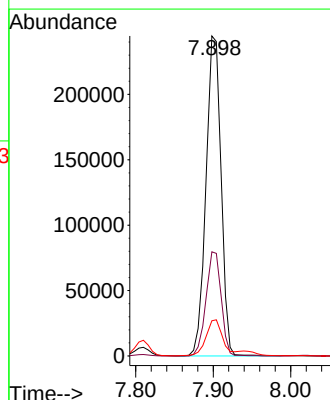
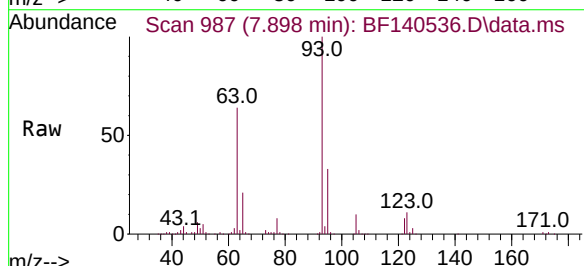
Tgt Ion: 93 Resp: 331321

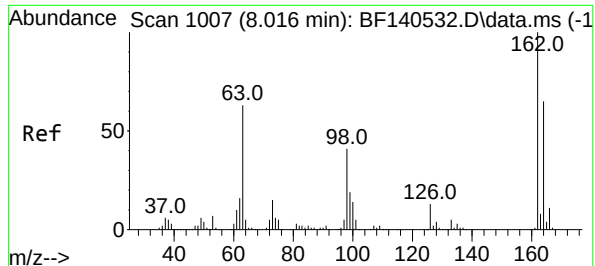
Ion Ratio Lower Upper

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

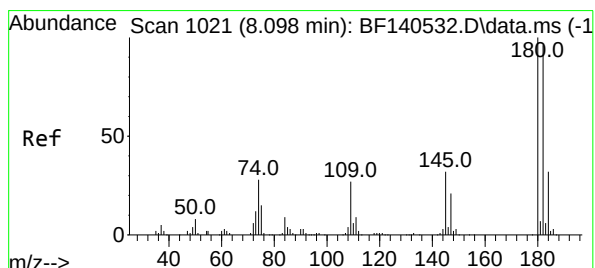
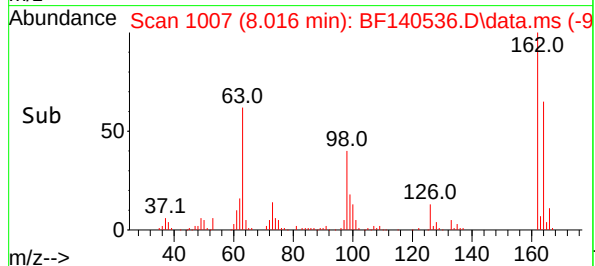
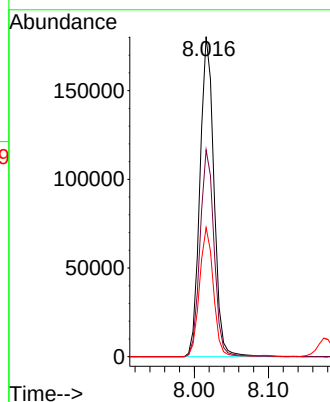
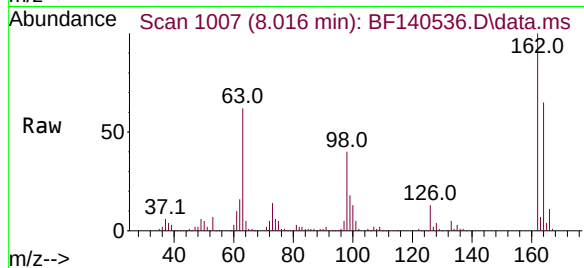
98 40.3 21.2 61.2

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

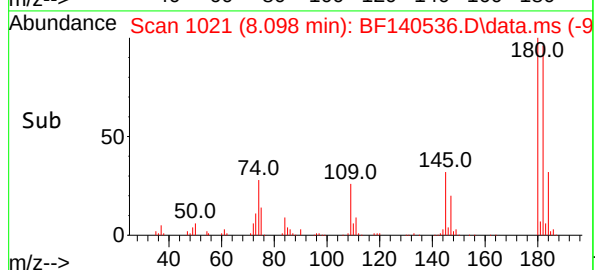
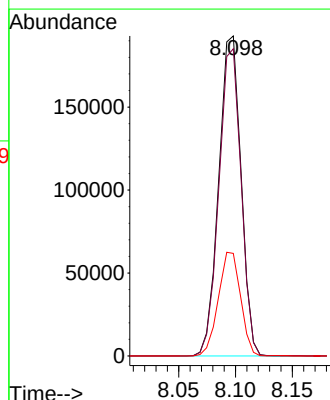
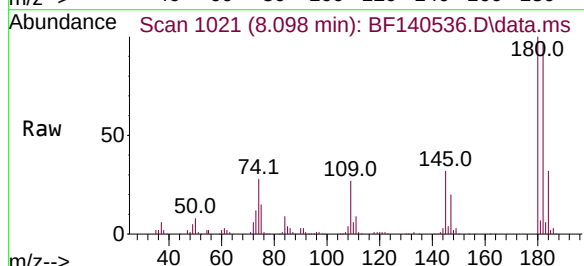
Tgt Ion:180 Resp: 263327

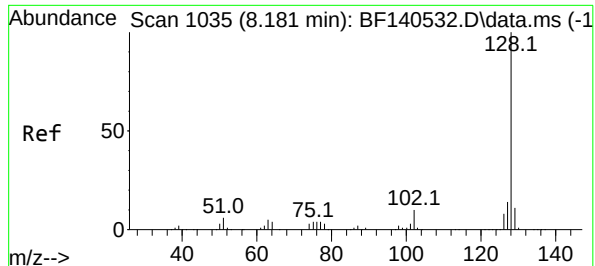
Ion Ratio Lower Upper

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

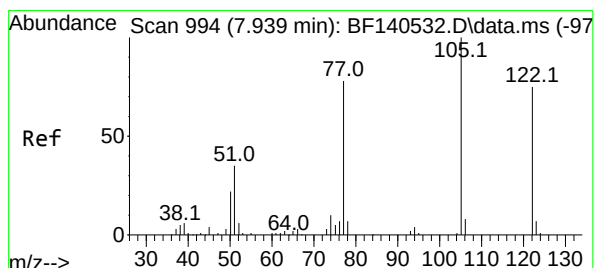
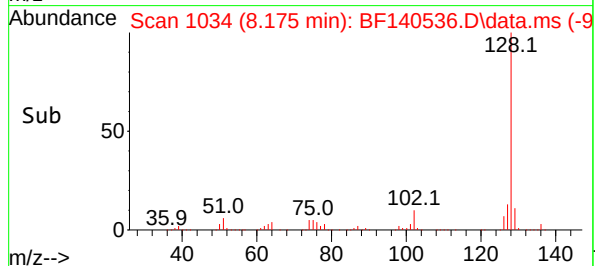
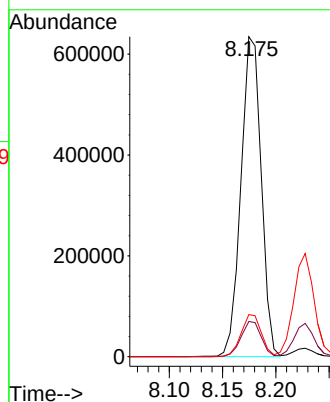
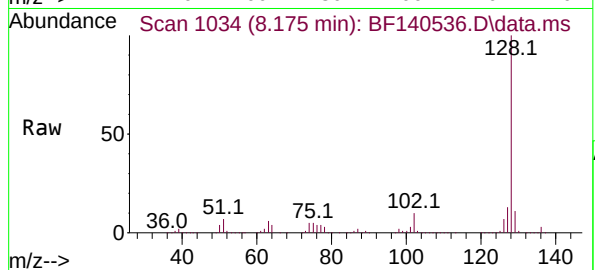
127 13.2 10.8 16.2

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

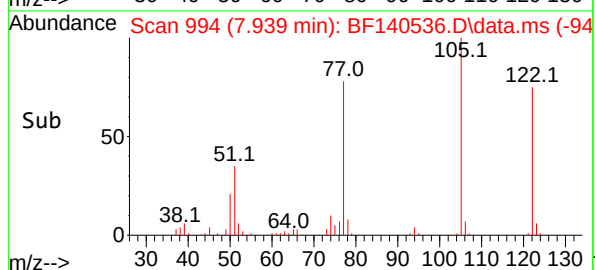
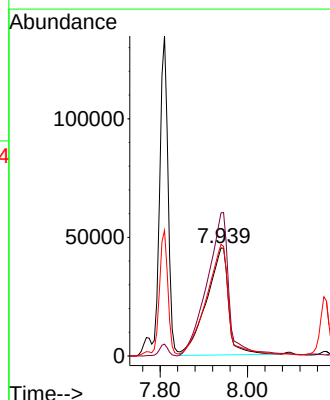
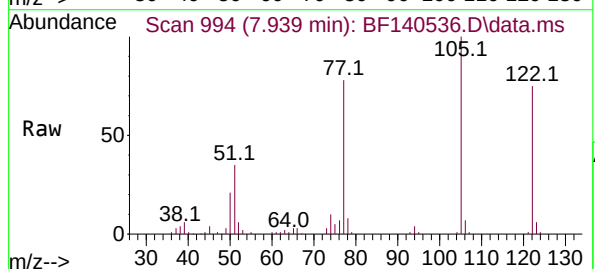
Tgt Ion:122 Resp: 156794

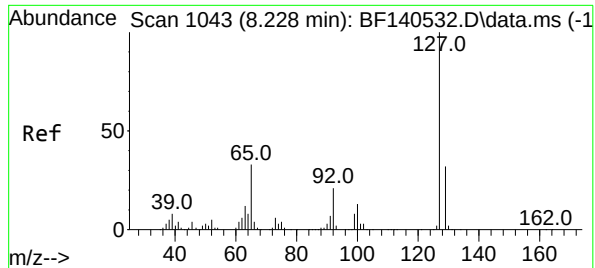
Ion Ratio Lower Upper

122 100

105 132.5 109.3 149.3

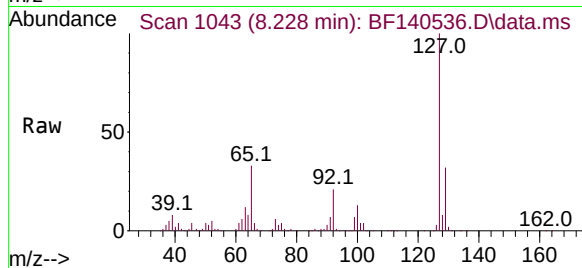
77 103.2 82.3 122.3





#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

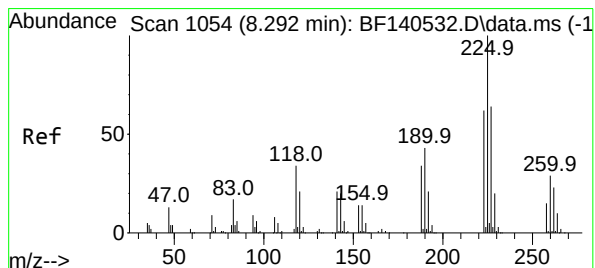
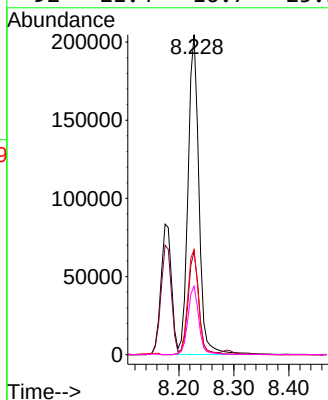
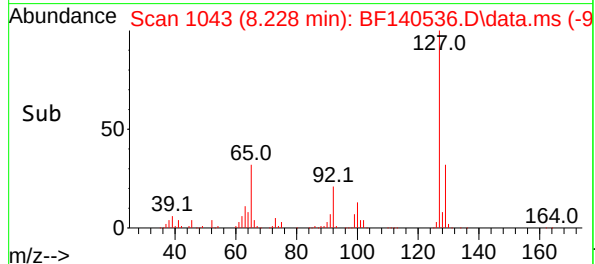
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



Tgt Ion:127 Resp: 28048
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

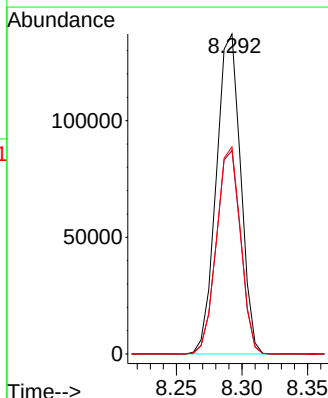
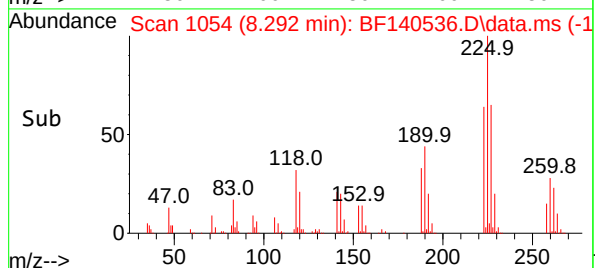
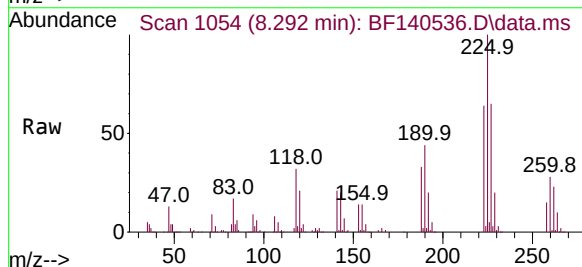
Manual Integrations
APPROVED

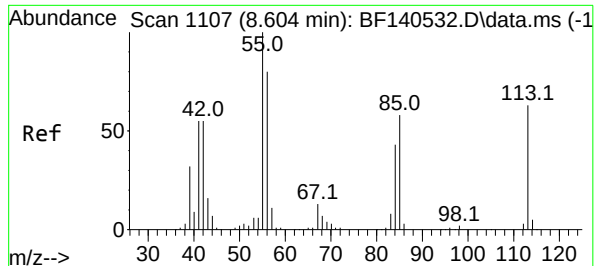
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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:225 Resp: 176676
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

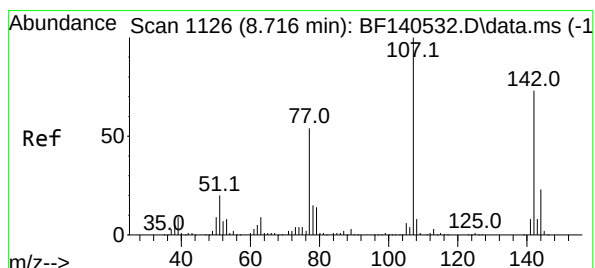
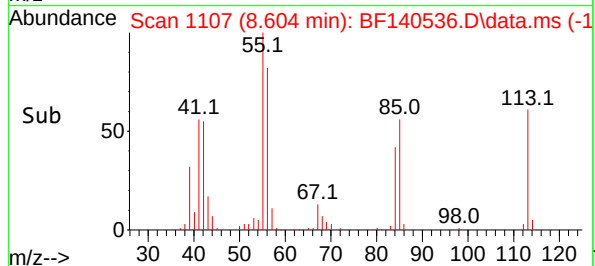
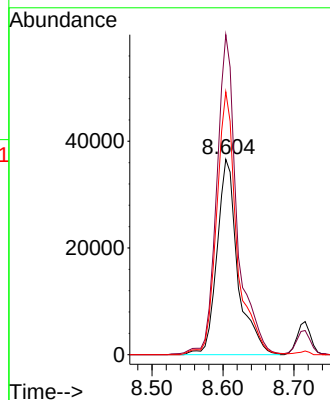
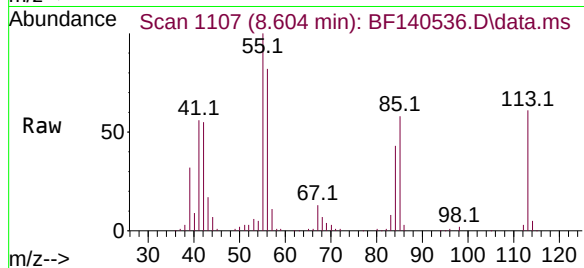
ClientSampleId :

ICVBF112124

Tgt Ion	Ratio	Lower	Upper
113	100		
55	163.7	137.7	177.7
56	134.5	106.4	146.4

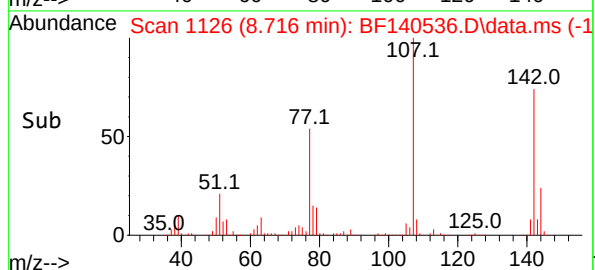
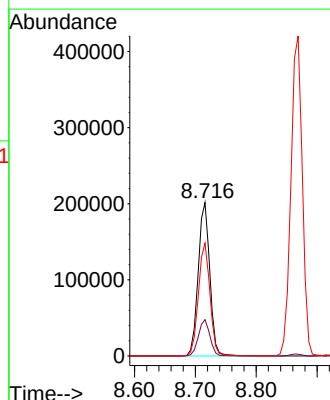
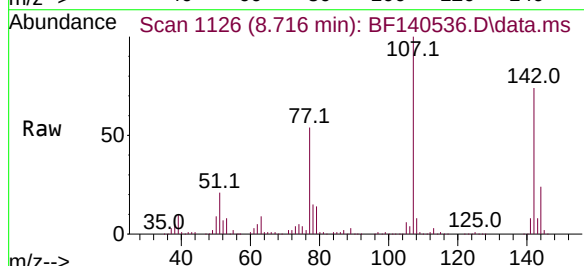
Manual Integrations
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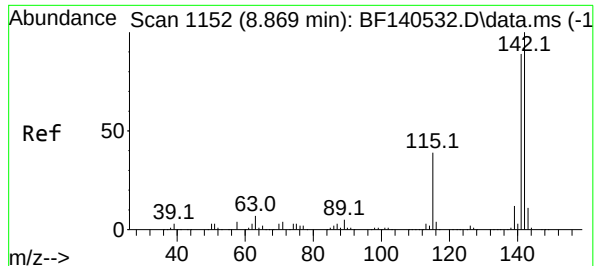
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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	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

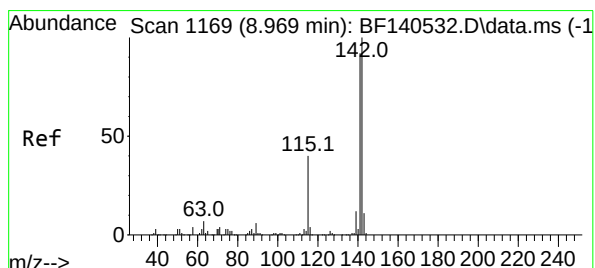
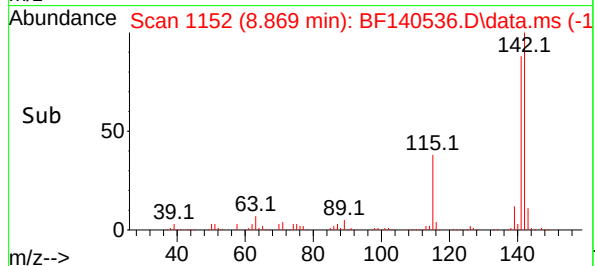
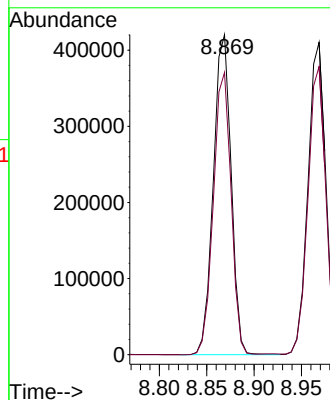
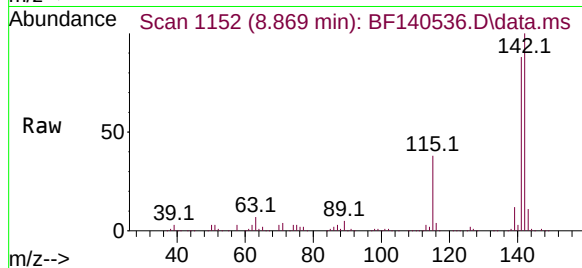
141 88.2 71.0 106.6

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

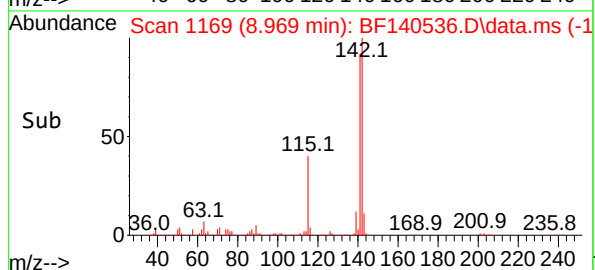
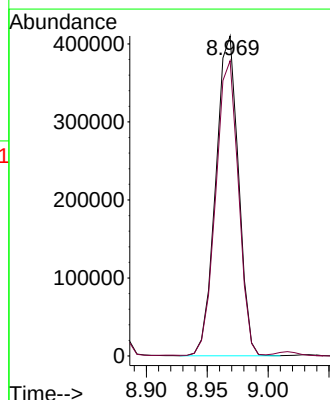
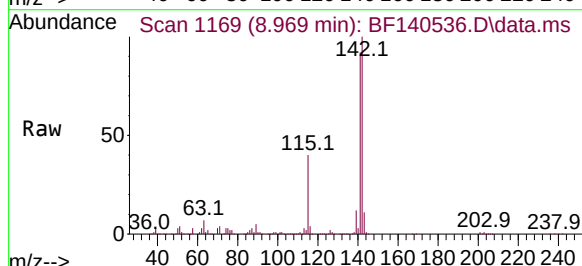
Acq: 21 Nov 2024 15:07

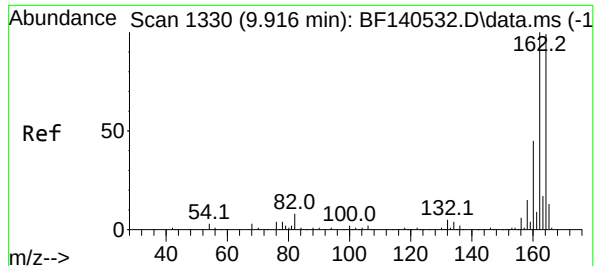
Tgt Ion:142 Resp: 531502

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

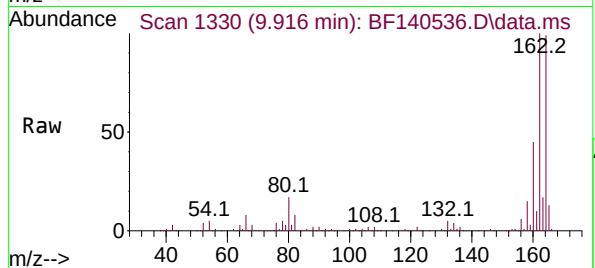
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124



Tgt Ion:164 Resp: 239418

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

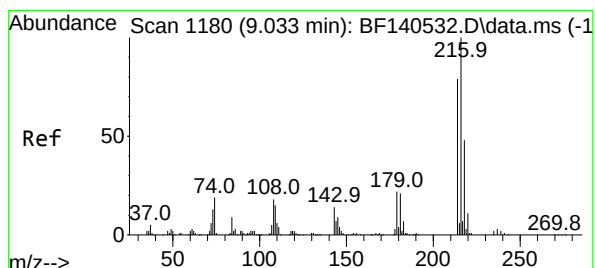
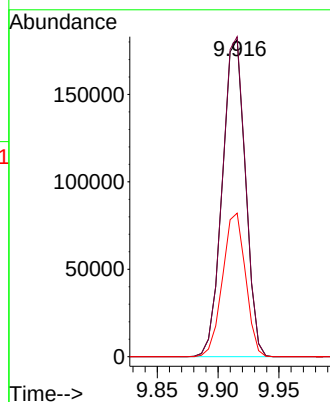
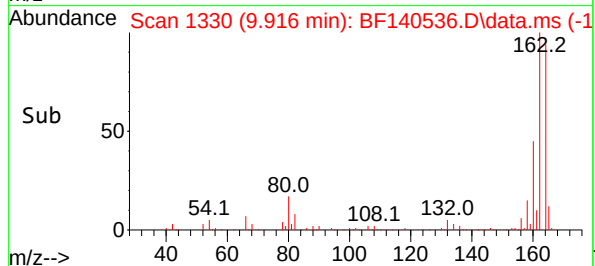
160 45.3 36.2 54.4

Manual Integrations

APPROVED

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

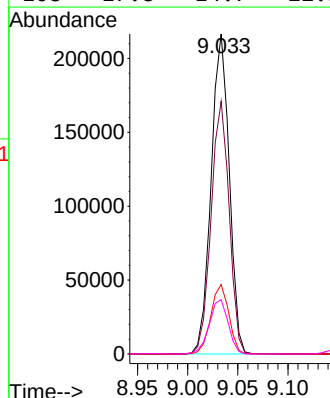
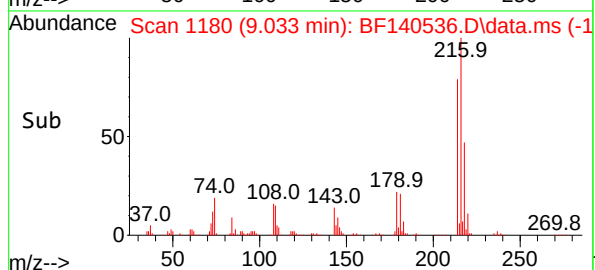
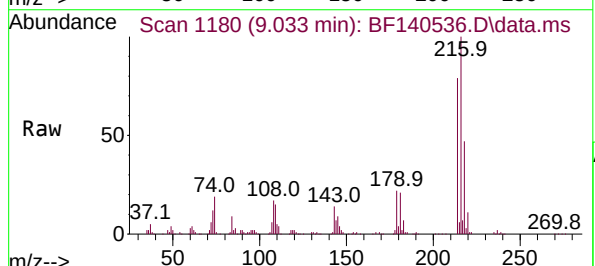
Ion Ratio Lower Upper

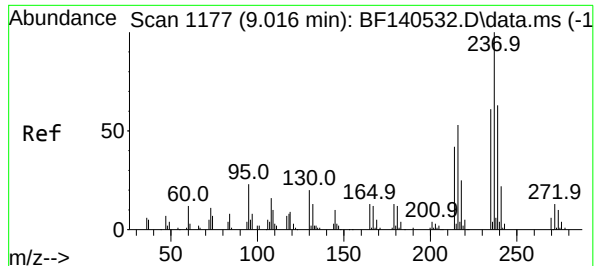
216 100

214 78.5 63.0 94.4

179 21.6 17.5 26.3

108 17.8 14.7 22.1





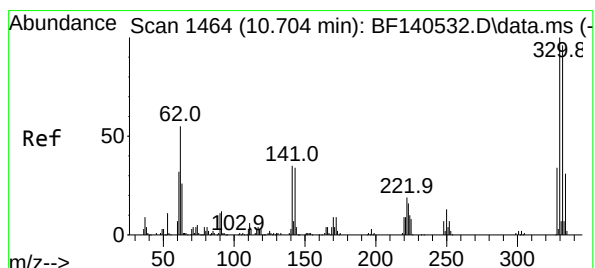
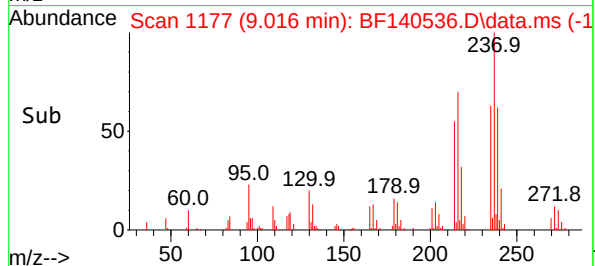
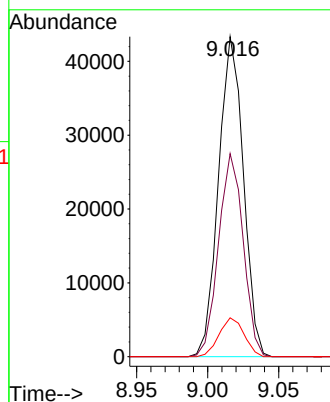
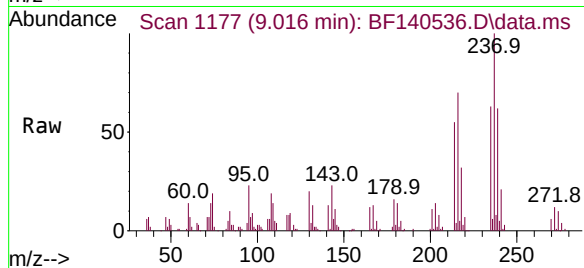
#41
Hexachlorocyclopentadiene
Concen: 37.711 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

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

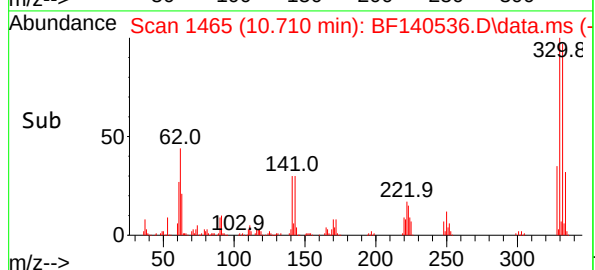
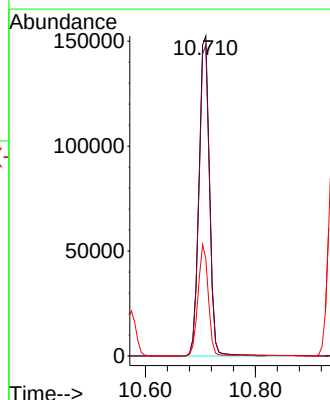
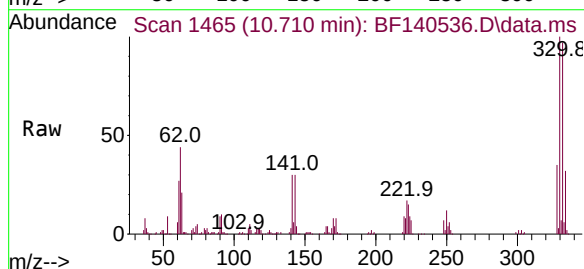
Manual Integrations
APPROVED

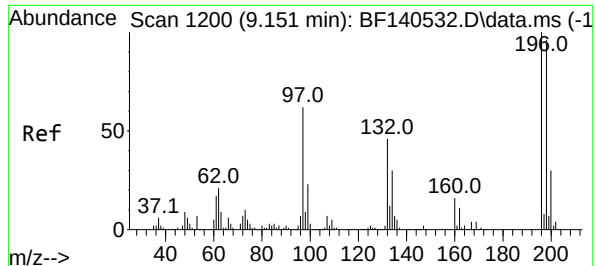
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

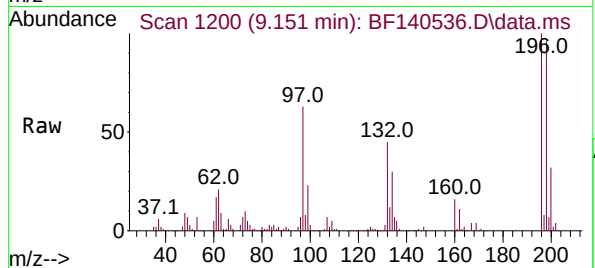
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124



Tgt Ion:196 Resp: 173239

Ion Ratio Lower Upper

196 100

198 95.9 76.8 115.2

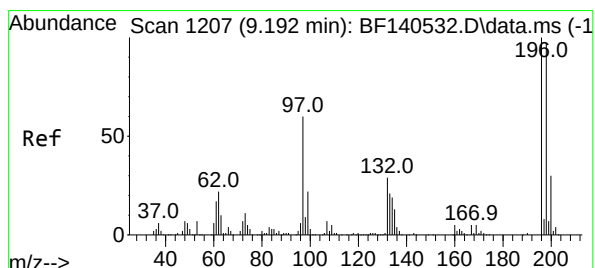
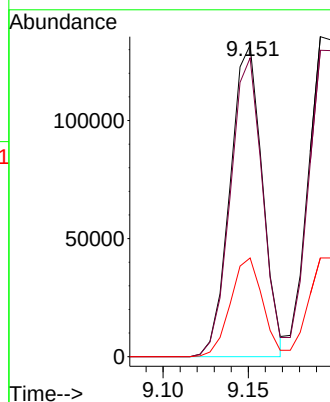
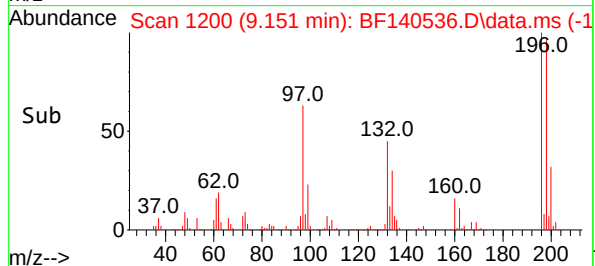
200 31.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#44

2,4,5-Trichlorophenol

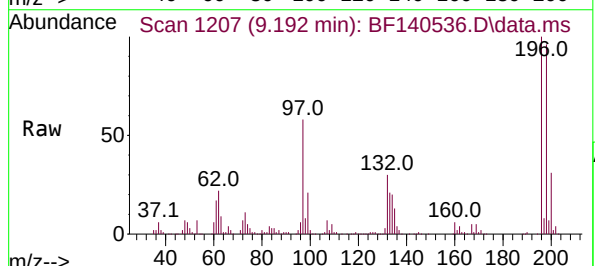
Concen: 40.302 ng

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

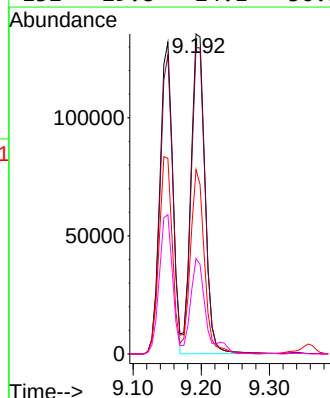
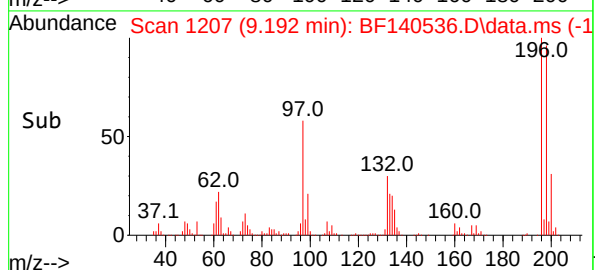
Ion Ratio Lower Upper

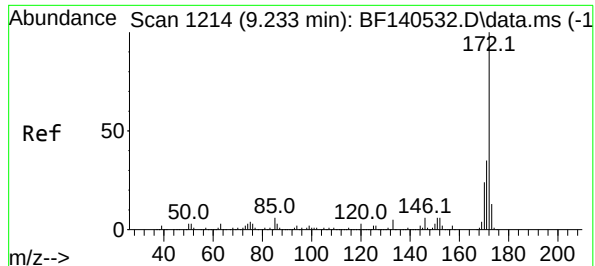
196 100

198 95.7 77.2 115.8

97 57.6 47.1 70.7

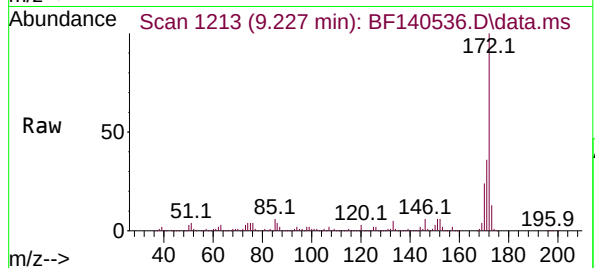
132 29.8 24.1 36.1





#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

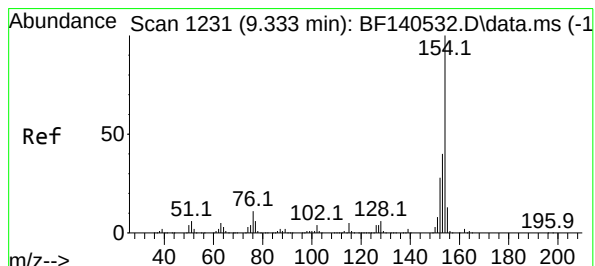
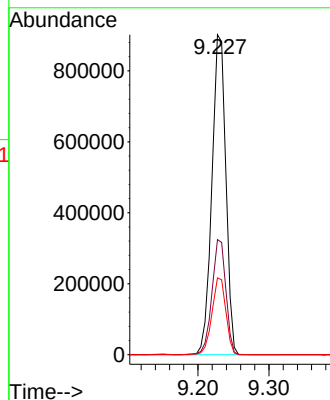
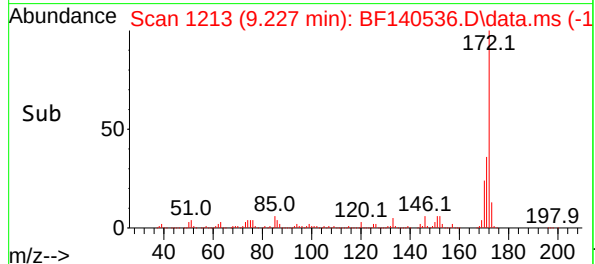
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

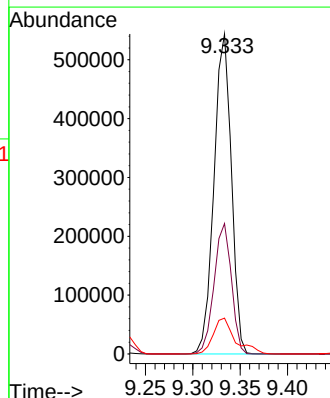
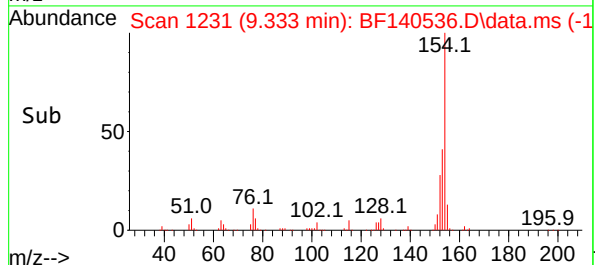
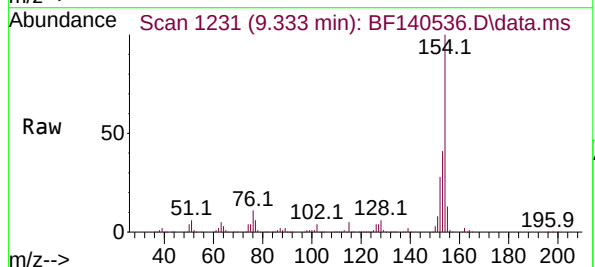
Manual Integrations
APPROVED

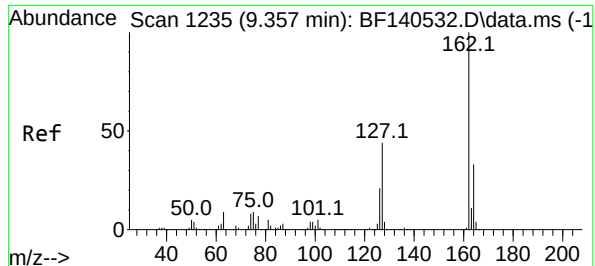
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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 :

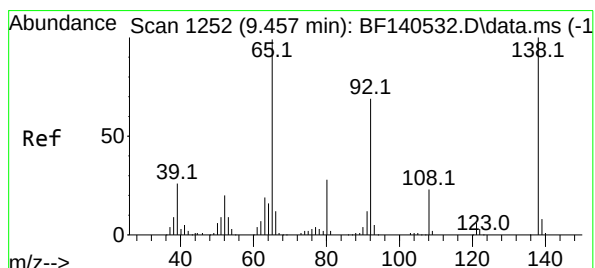
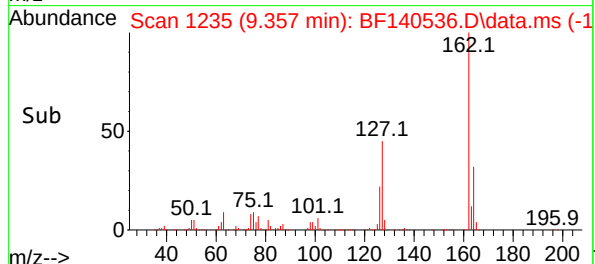
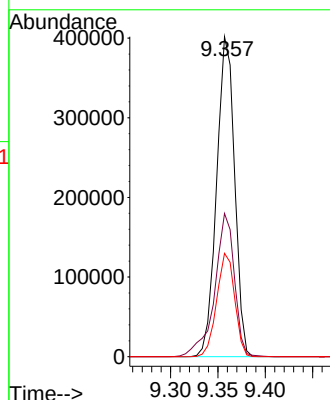
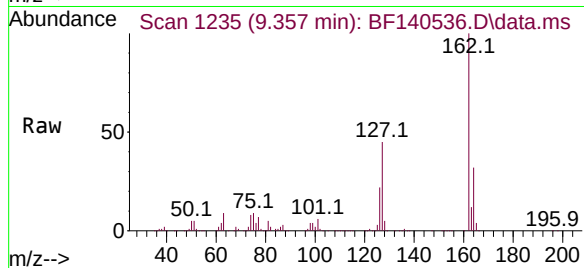
ICVBF112124

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

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



#48

2-Nitroaniline

Concen: 40.037 ng

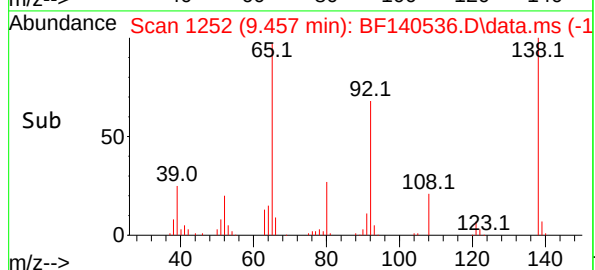
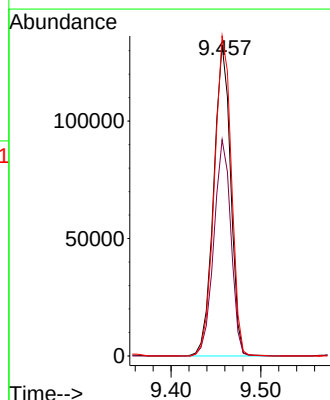
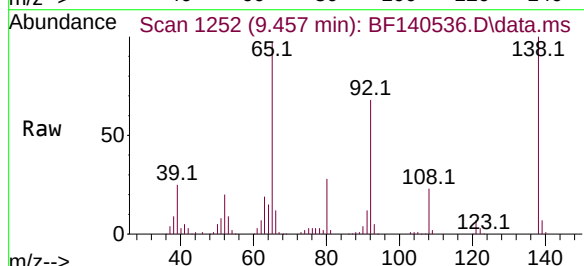
RT: 9.457 min Scan# 1252

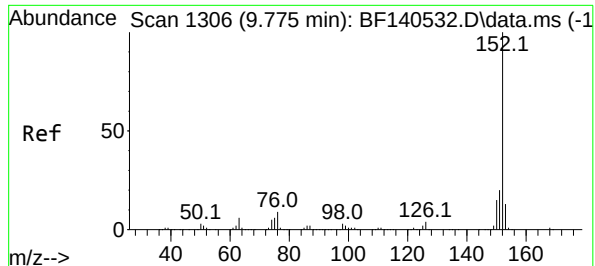
Delta R.T. -0.000 min

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# 11

Delta R.T. -0.000 min

Lab File: BF140536.D

Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

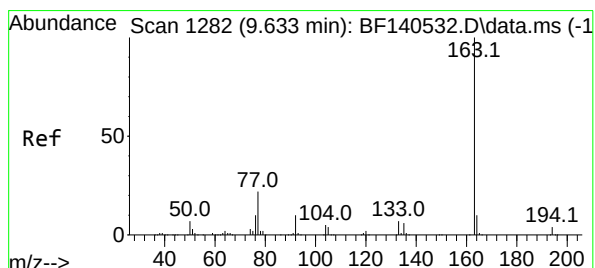
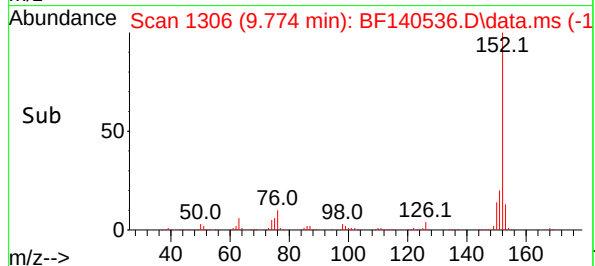
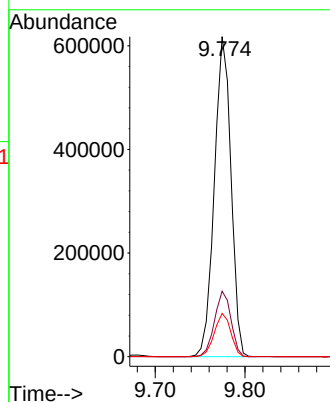
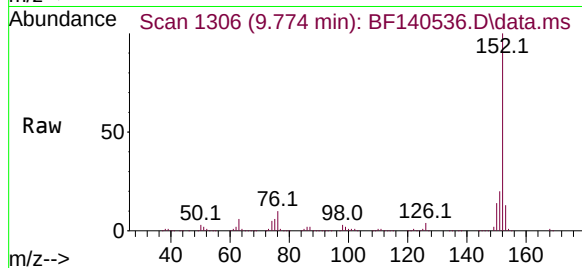
ICVBF112124

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.5	10.6	16.0

Manual Integrations

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



#50

Dimethylphthalate

Concen: 39.591 ng

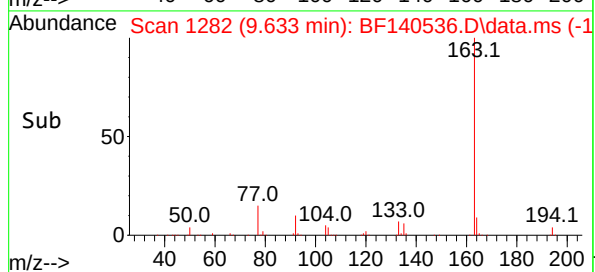
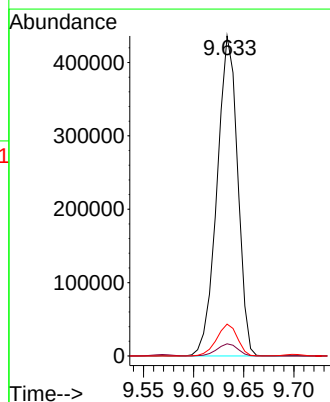
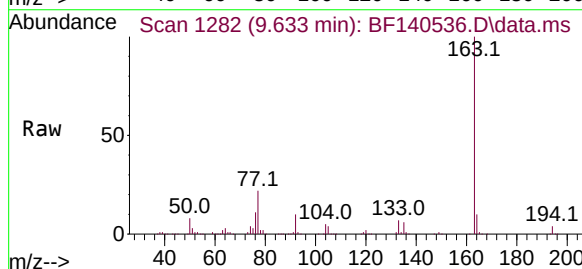
RT: 9.633 min Scan# 1282

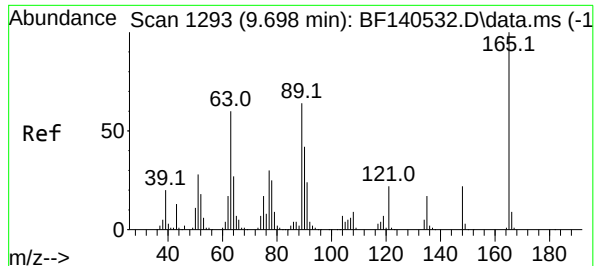
Delta R.T. -0.000 min

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





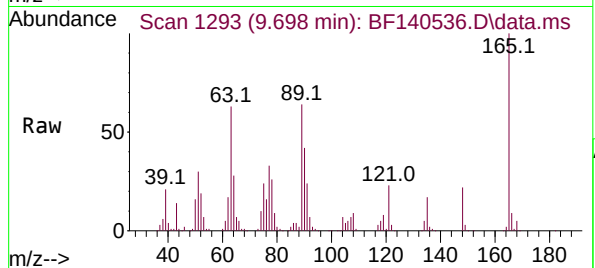
#51
2,6-Dinitrotoluene
Concen: 39.356 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

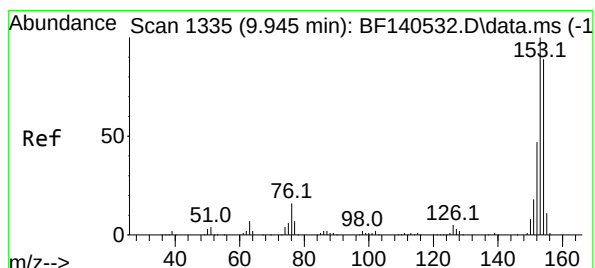
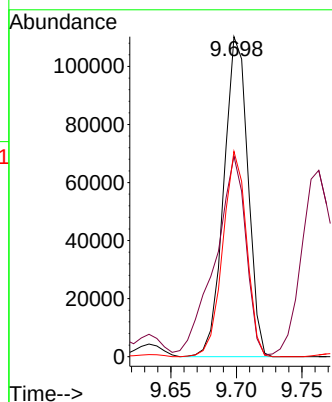
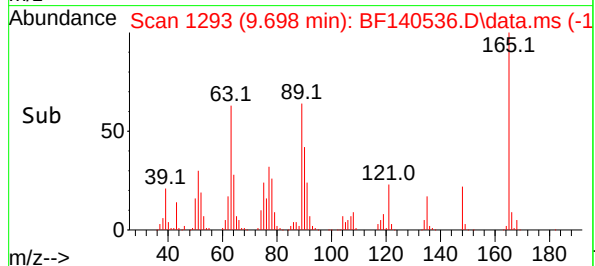


Tgt Ion:165 Resp: 140739
Ion Ratio Lower Upper
165 100
63 62.6 49.9 74.9
89 64.1 50.9 76.3

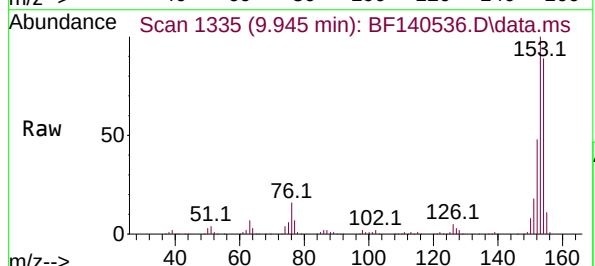
Manual Integrations

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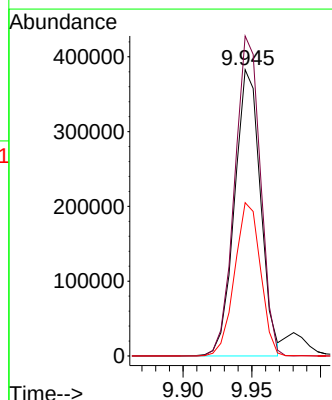
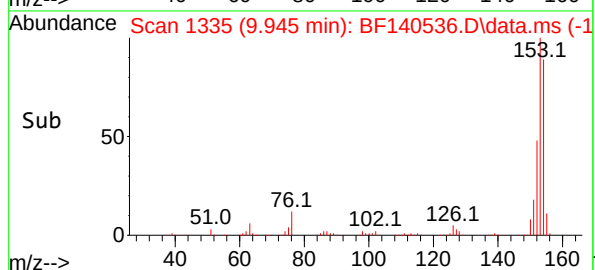
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

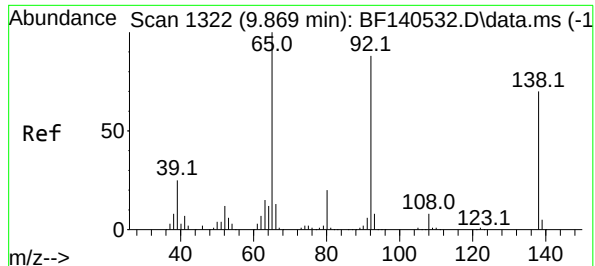


#52
Acenaphthene
Concen: 38.578 ng m
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



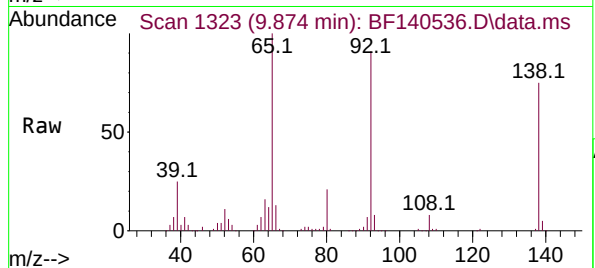
Tgt Ion:154 Resp: 501631
Ion Ratio Lower Upper
154 100
153 111.8 89.7 134.5
152 53.6 42.5 63.7





#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

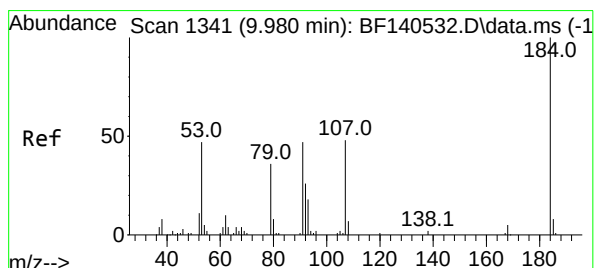
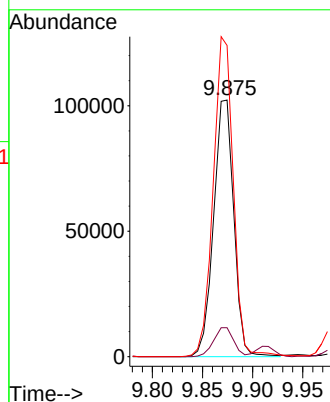
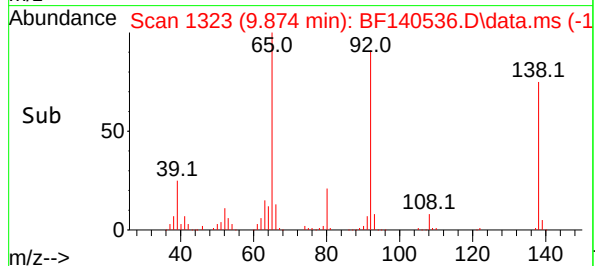
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

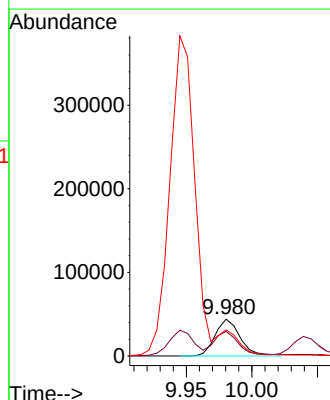
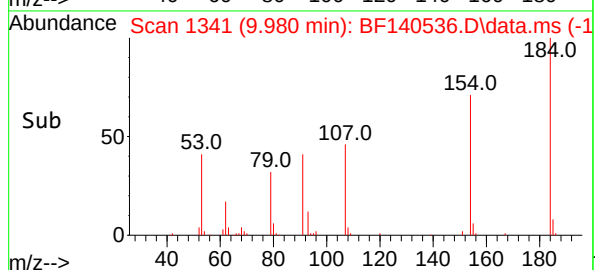
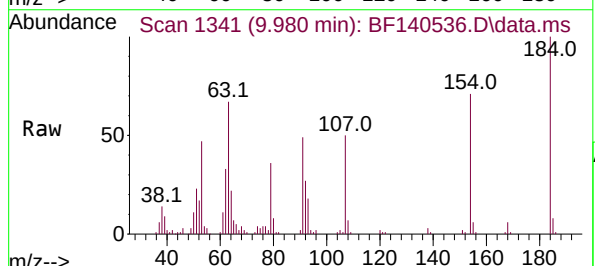
Manual Integrations
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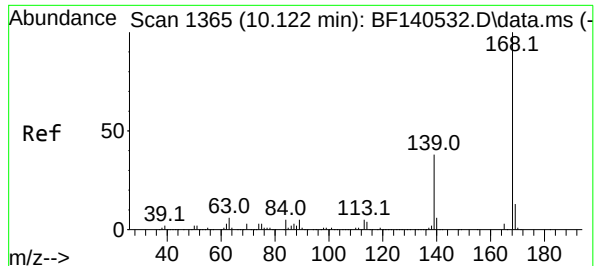
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

Dibenzenofuran

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

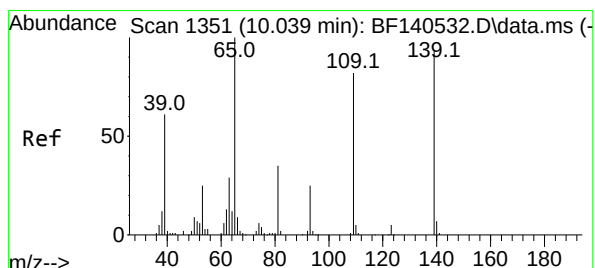
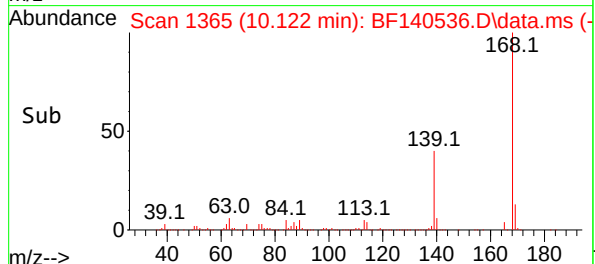
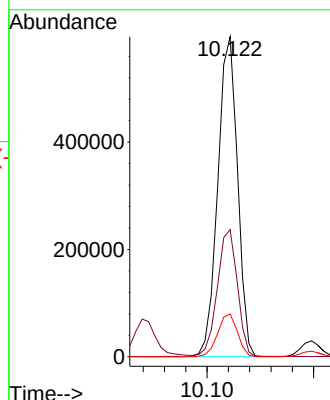
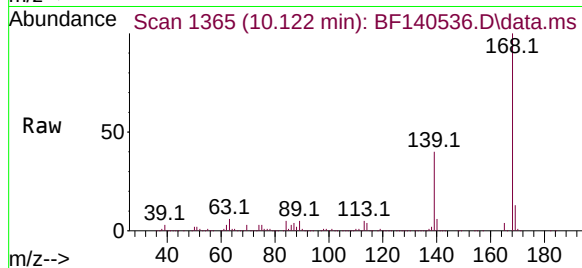
169 13.4 10.5 15.7

Manual Integrations

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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

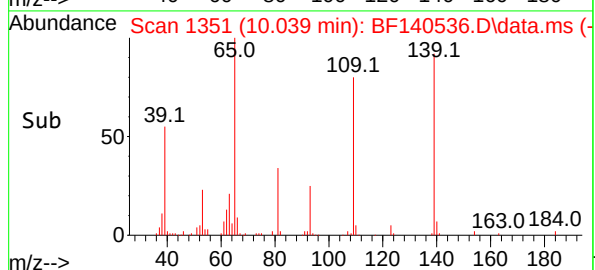
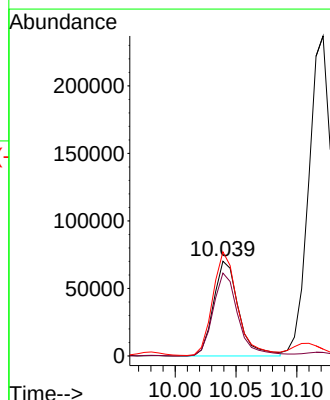
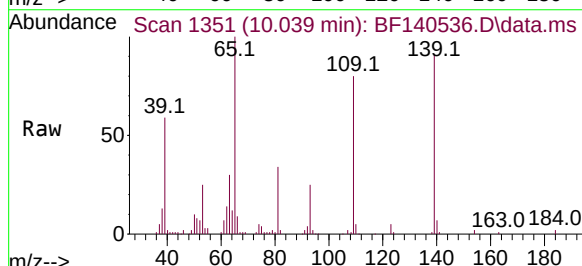
Tgt Ion:139 Resp: 100812

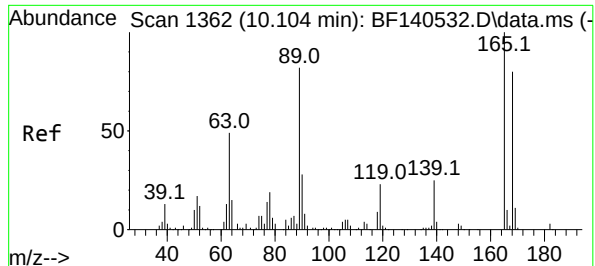
Ion Ratio Lower Upper

139 100

109 87.5 68.4 108.4

65 109.9 88.6 128.6





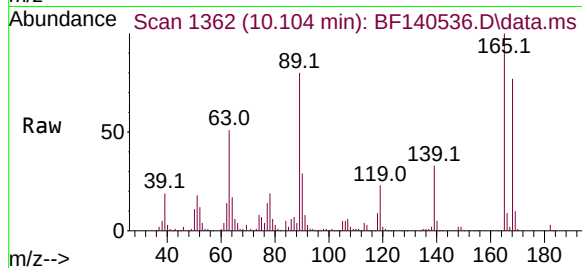
#57
2,4-Dinitrotoluene
Concen: 41.025 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

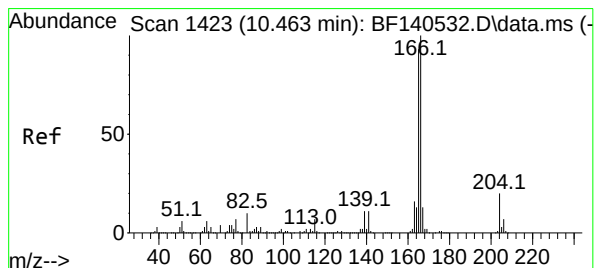
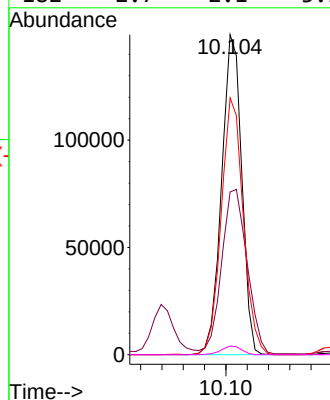
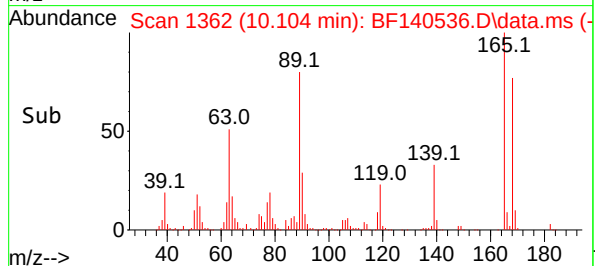


Tgt Ion:165 Resp: 194980
Ion Ratio Lower Upper
165 100
63 50.9 41.7 62.5
89 80.3 65.8 98.8
182 2.7 2.1 3.1

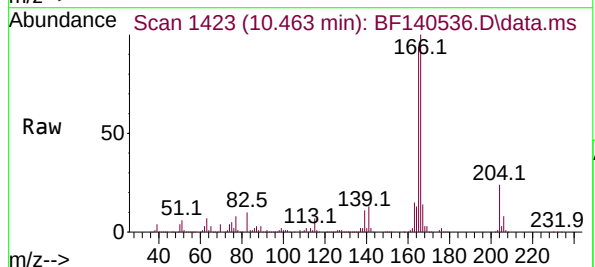
Manual Integrations

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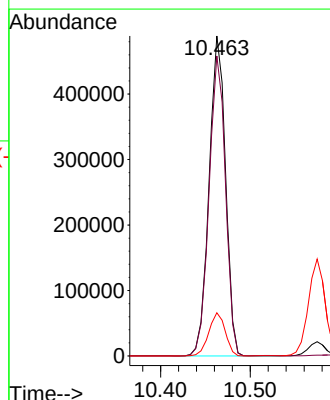
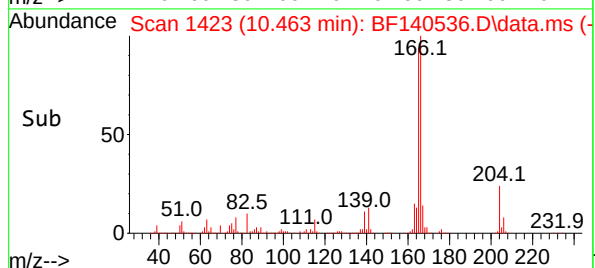
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

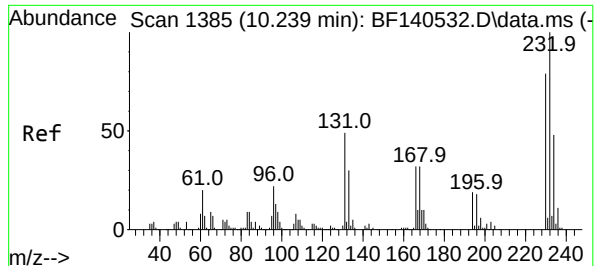


#58
Fluorene
Concen: 39.115 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



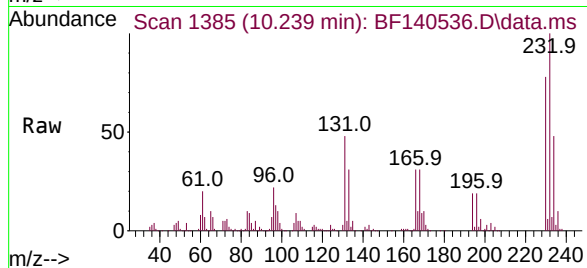
Tgt Ion:166 Resp: 622708
Ion Ratio Lower Upper
166 100
165 93.7 74.6 111.8
167 13.5 10.6 16.0





#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

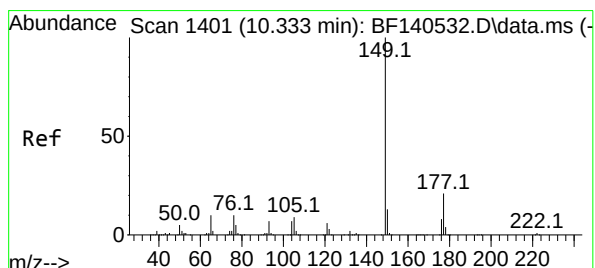
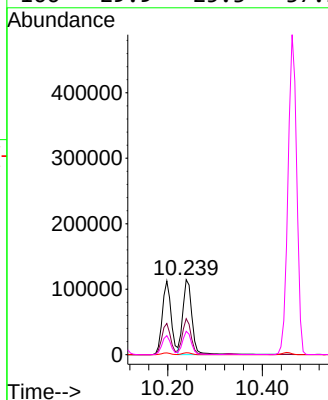
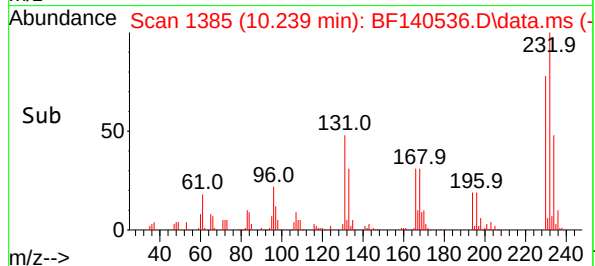
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



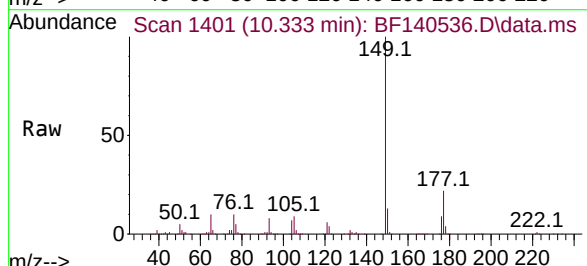
Tgt Ion:232 Resp: 153321
Ion Ratio Lower Upper
232 100
131 46.8 39.6 59.4
130 2.5 1.9 2.9
166 29.9 25.3 37.9

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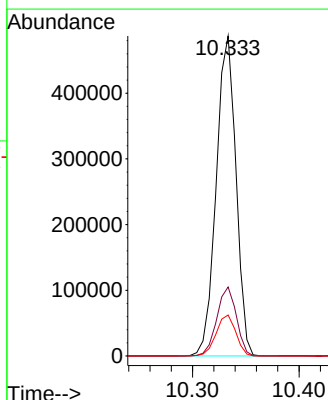
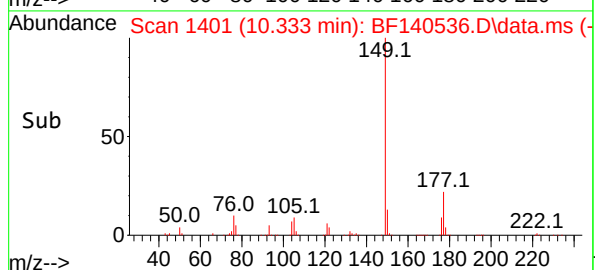
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

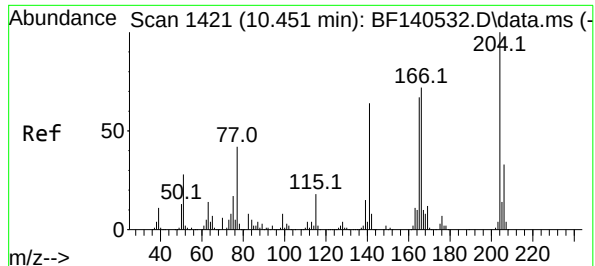


#60
Diethylphthalate
Concen: 39.078 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



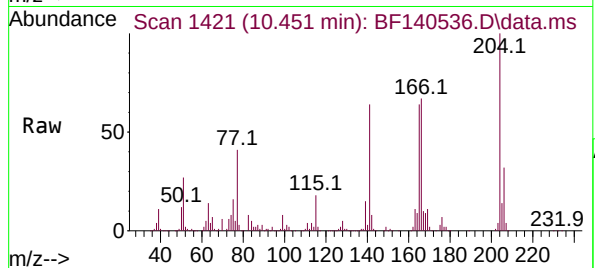
Tgt Ion:149 Resp: 626046
Ion Ratio Lower Upper
149 100
177 21.5 17.1 25.7
150 12.8 10.1 15.1





#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

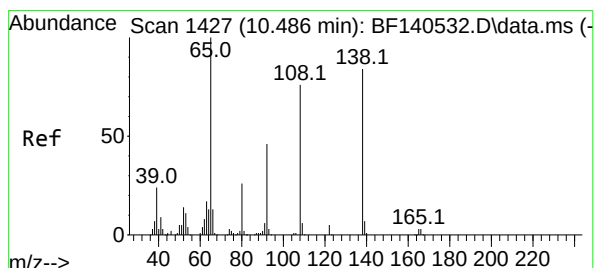
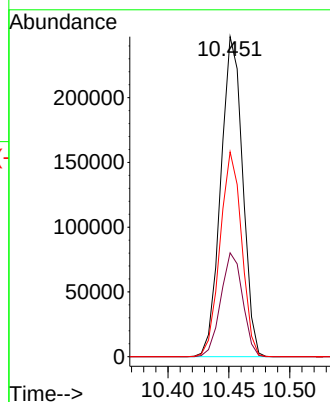
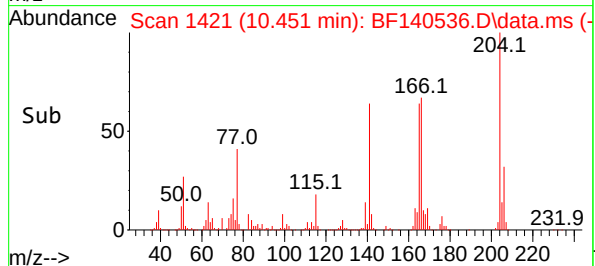
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

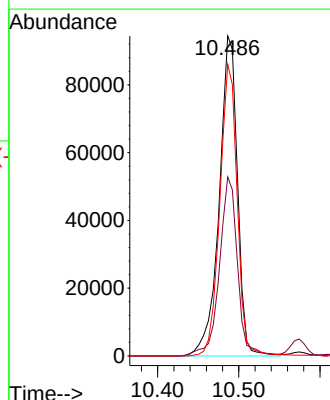
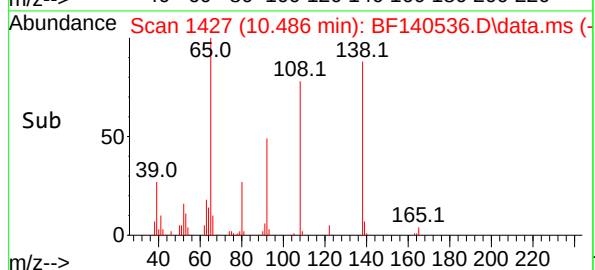
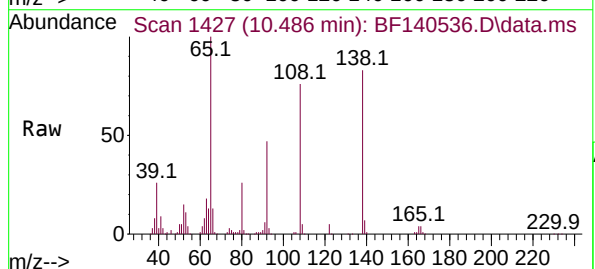
Manual Integrations
APPROVED

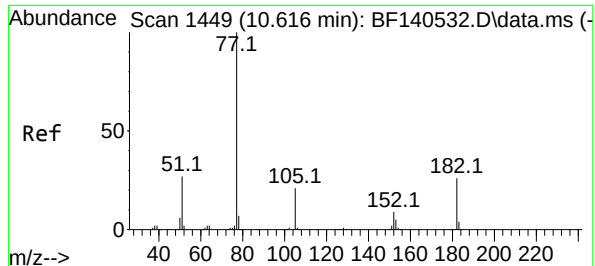
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

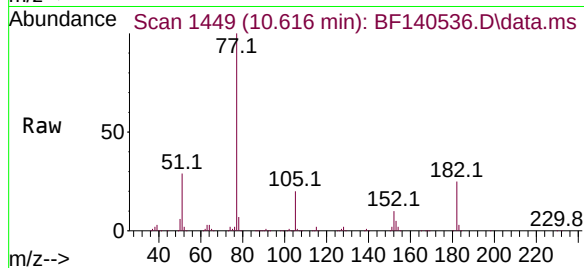
Tgt Ion:138 Resp: 148087
Ion Ratio Lower Upper
138 100
92 56.0 34.5 74.5
108 91.1 70.6 110.6





#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

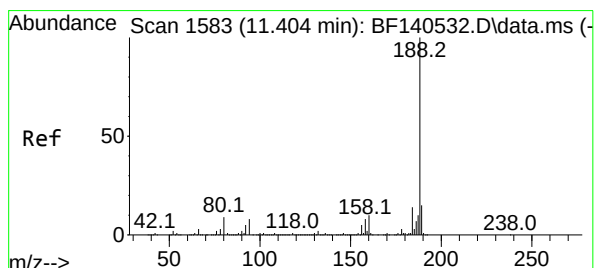
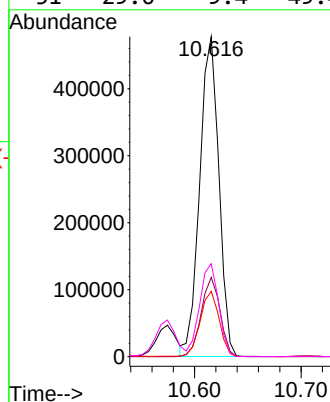
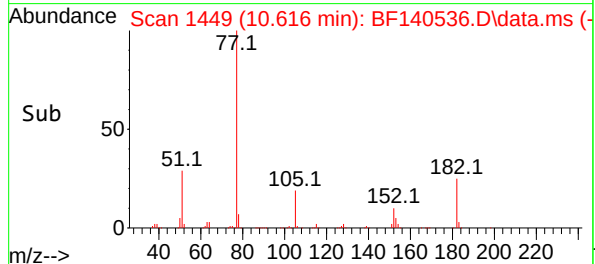
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



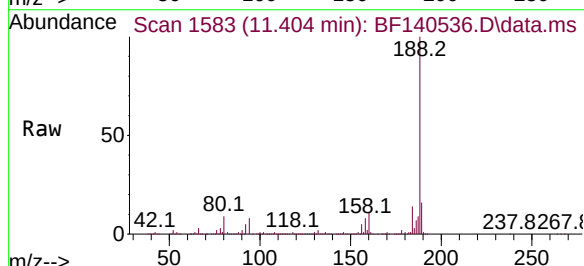
Tgt Ion: 77 Resp: 59768
Ion Ratio Lower Upper
77 100
182 24.7 5.3 45.3
105 20.4 0.3 40.3
51 29.0 9.4 49.4

Manual Integrations
APPROVED

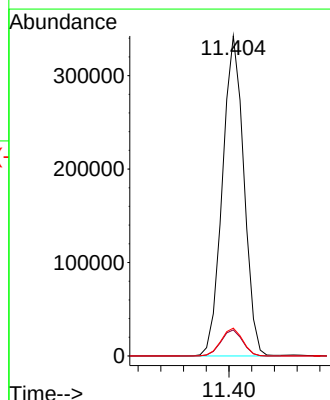
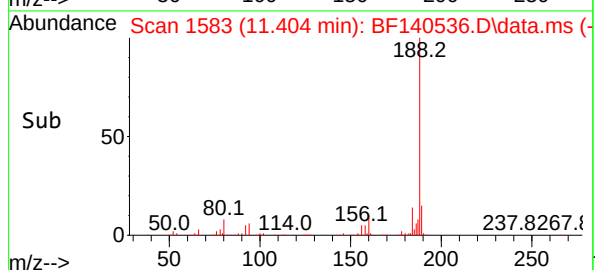
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

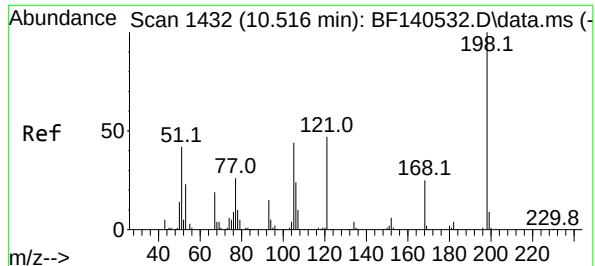


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



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





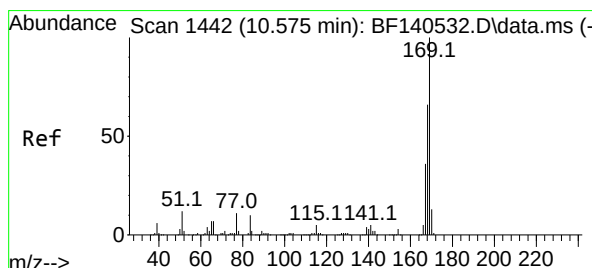
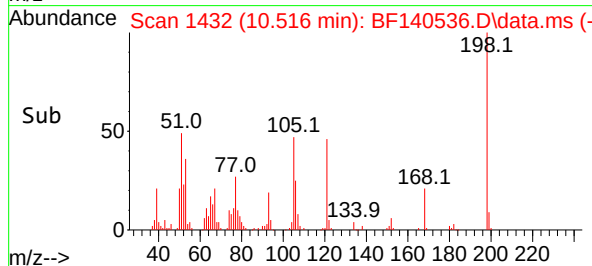
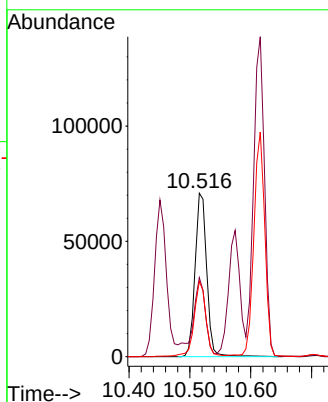
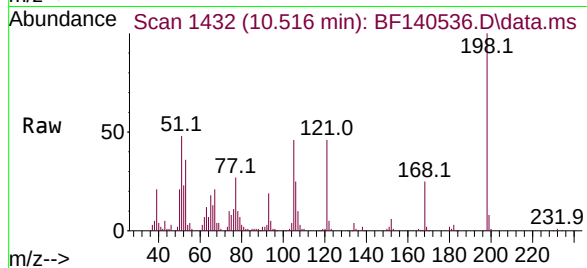
#65
4,6-Dinitro-2-methylphenol
Concen: 41.134 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

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

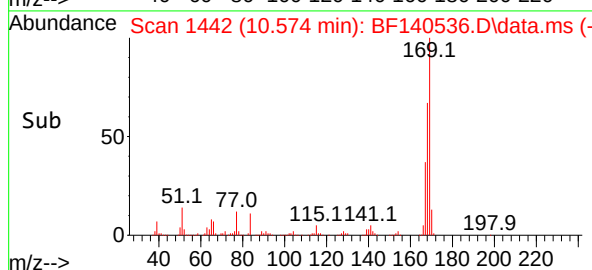
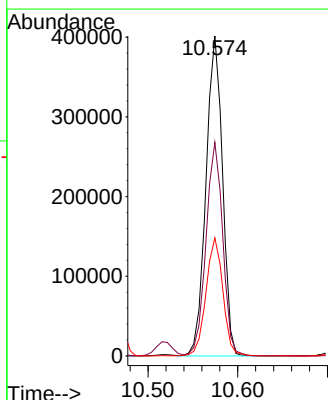
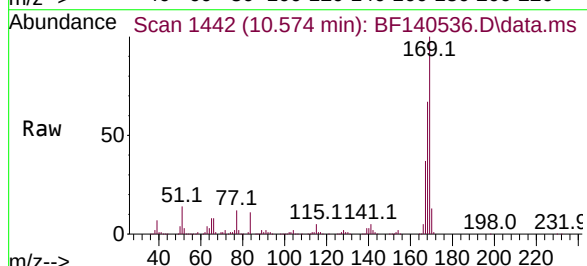
Manual Integrations
APPROVED

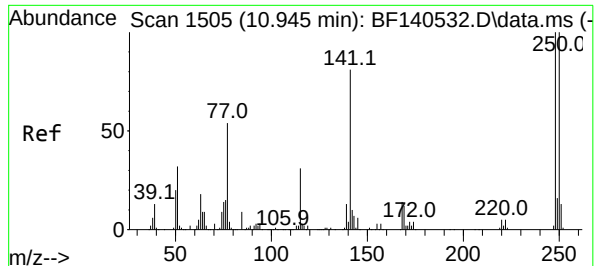
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





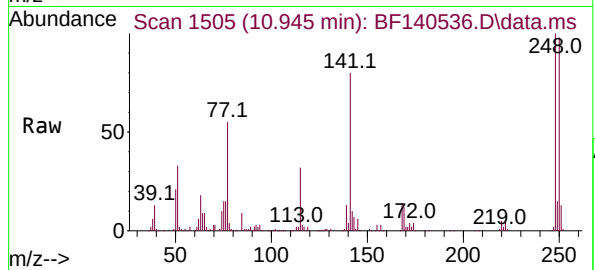
#67
4-Bromophenyl-phenylether
Concen: 38.977 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

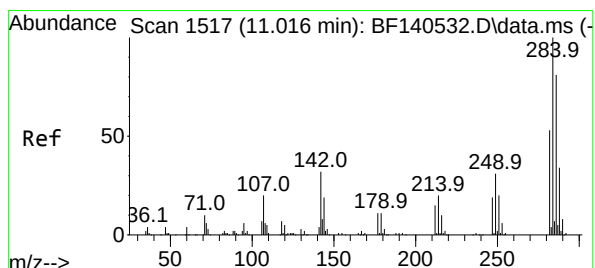
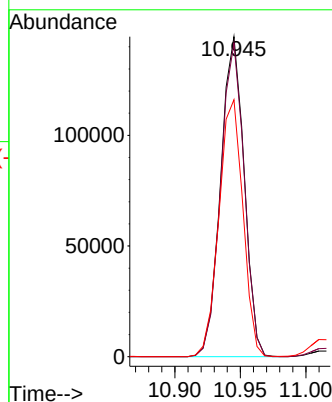
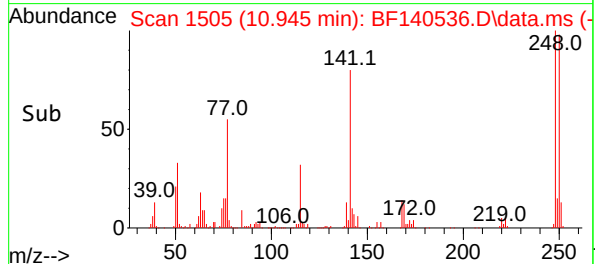


Tgt Ion:248 Resp: 180160
Ion Ratio Lower Upper
248 100
250 98.0 79.8 119.8
141 80.3 64.7 97.1

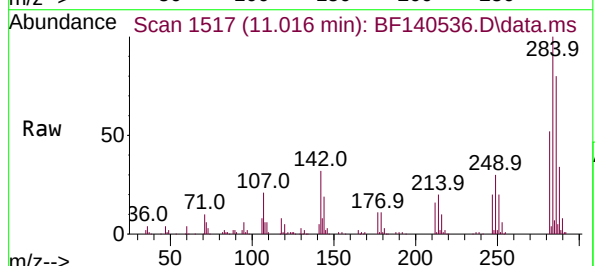
Manual Integrations

APPROVED

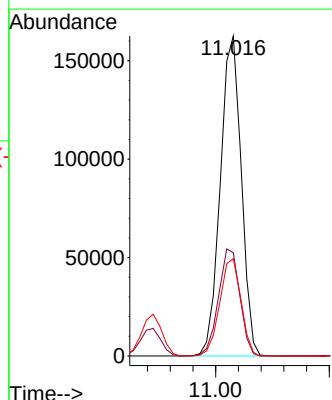
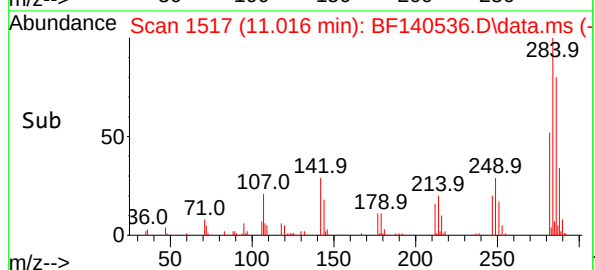
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

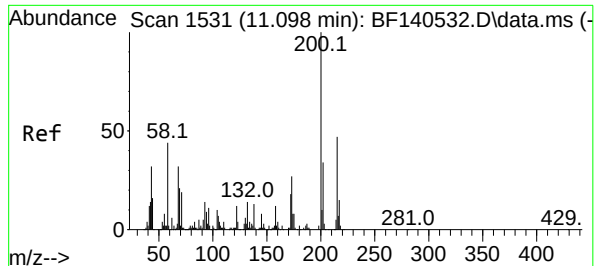


#68
Hexachlorobenzene
Concen: 38.974 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



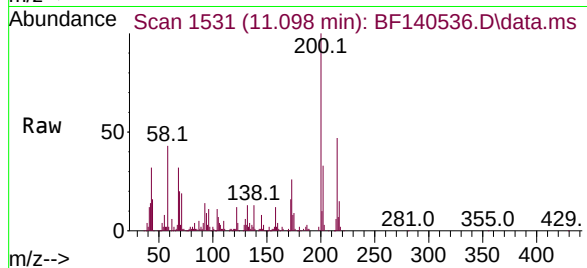
Tgt Ion:284 Resp: 208589
Ion Ratio Lower Upper
284 100
142 32.2 25.3 37.9
249 30.4 24.8 37.2





#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

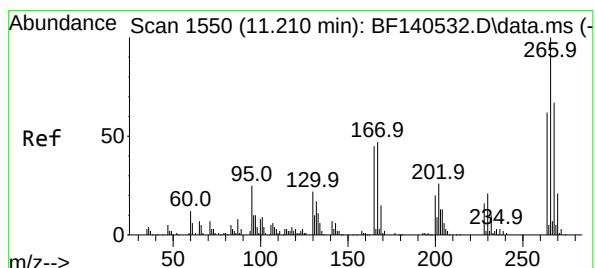
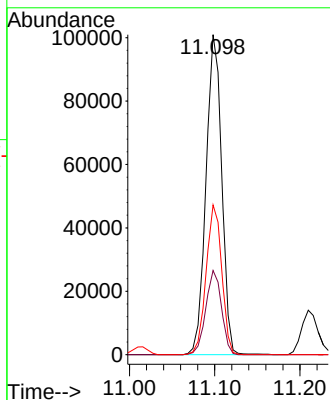
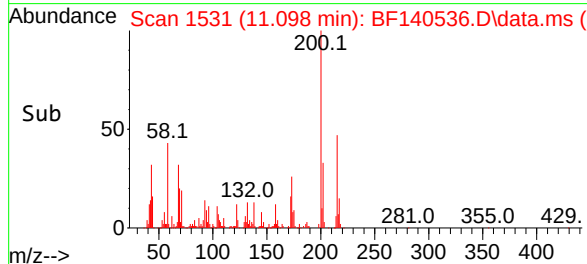
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

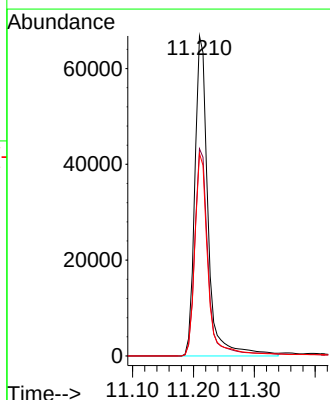
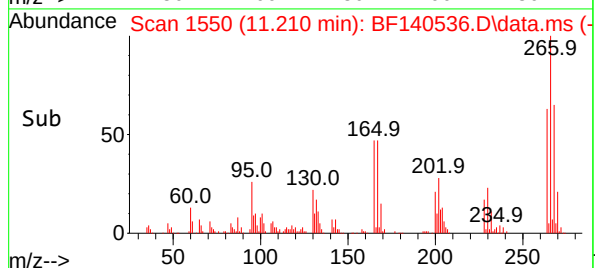
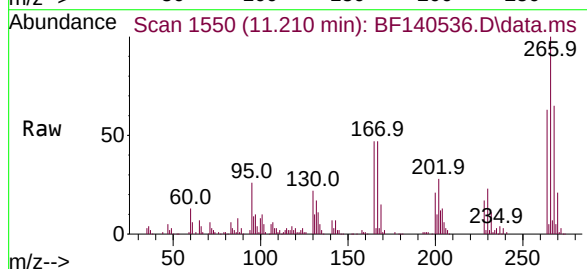
Manual Integrations
APPROVED

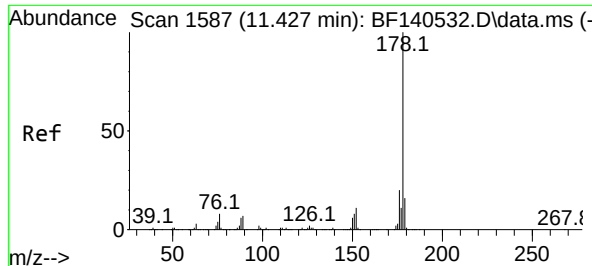
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





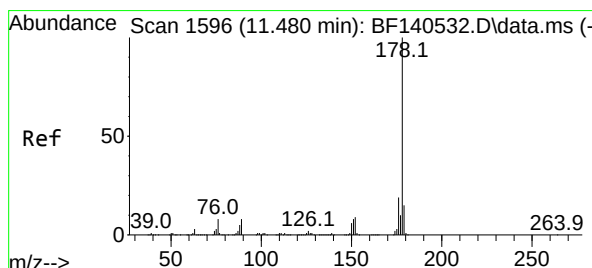
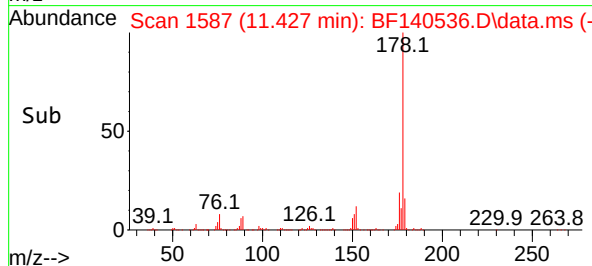
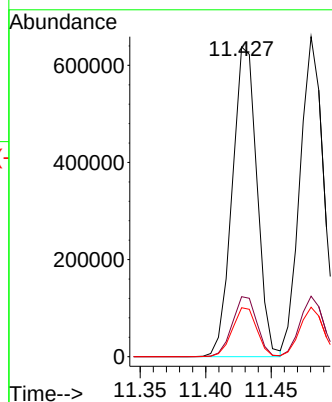
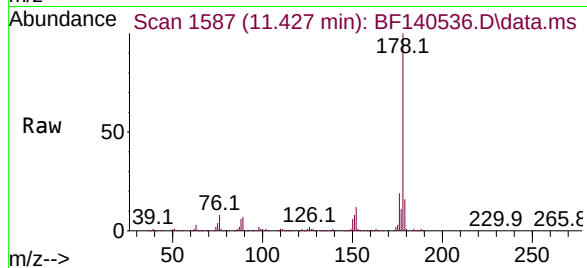
#71
Phenanthrene
Concen: 38.861 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

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

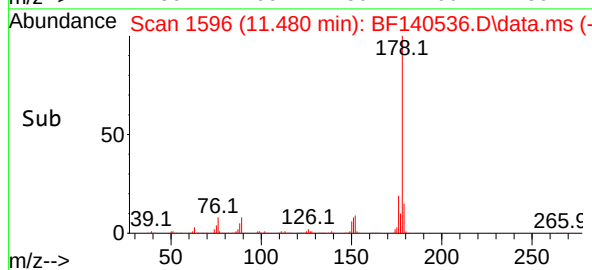
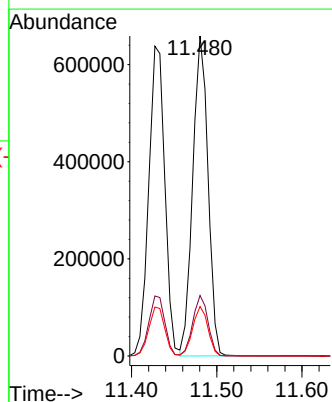
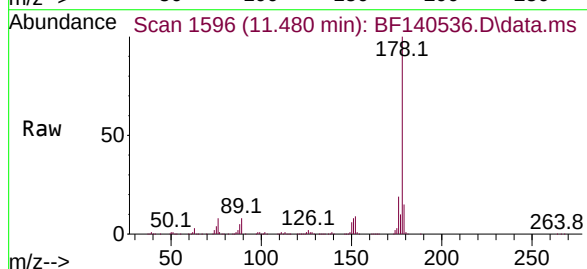
Manual Integrations
APPROVED

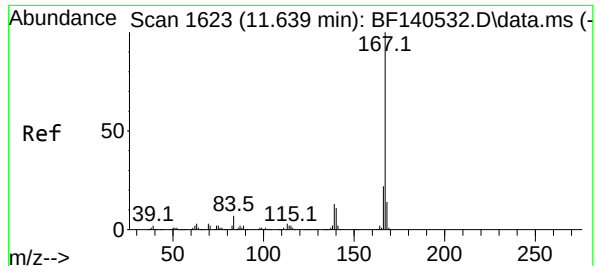
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

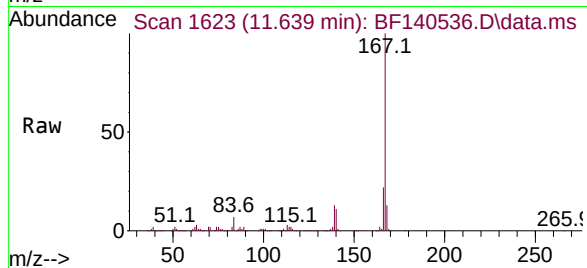
Tgt Ion:178 Resp: 819442
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.2 18.4





#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

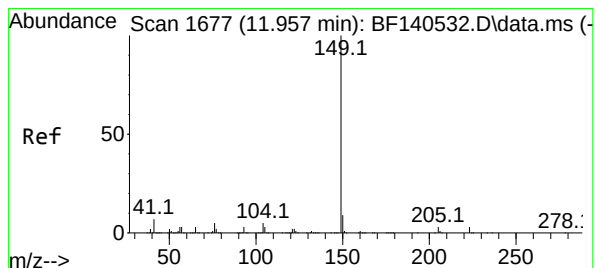
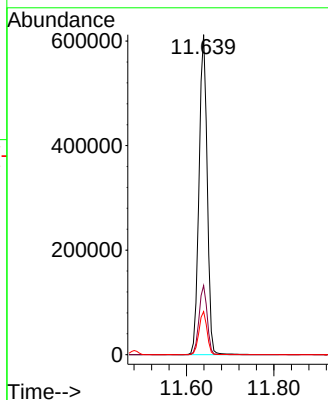
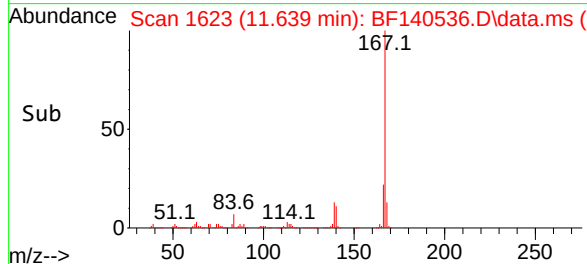
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

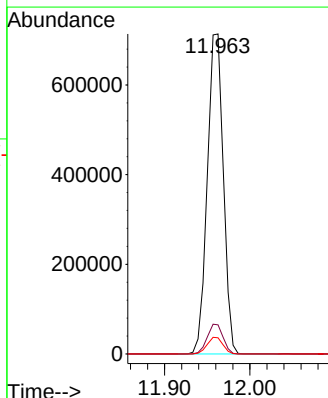
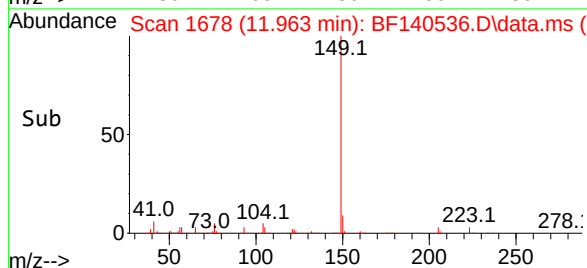
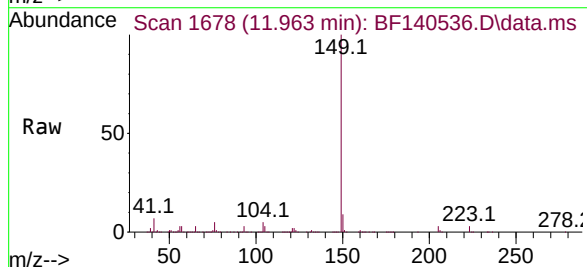
Manual Integrations
APPROVED

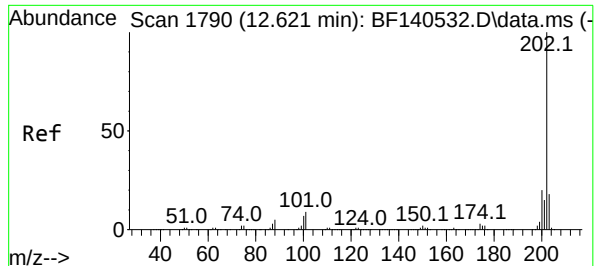
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

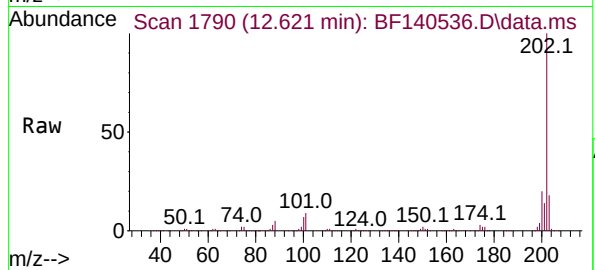
Tgt Ion:149 Resp: 932026
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 5.1 4.1 6.1





#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

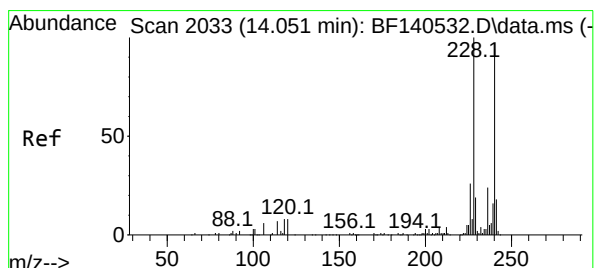
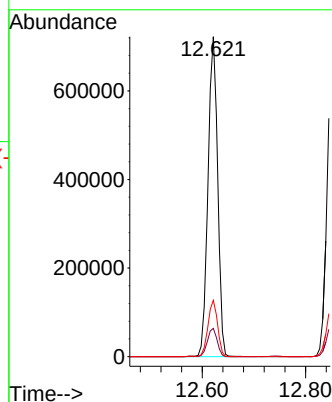
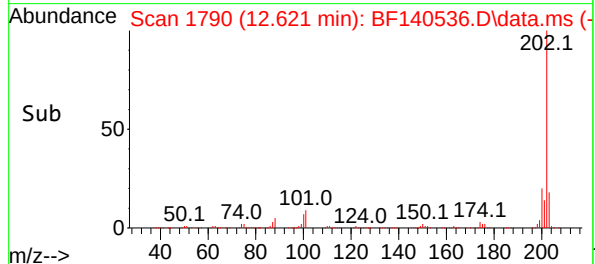
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

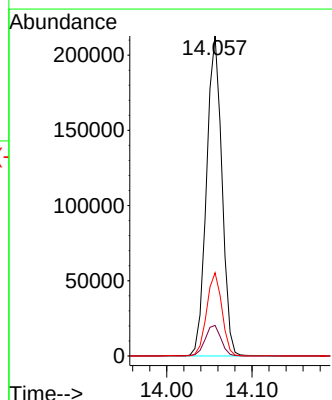
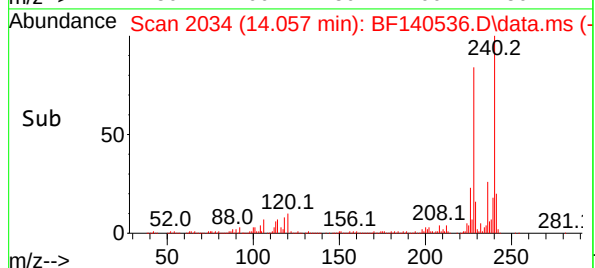
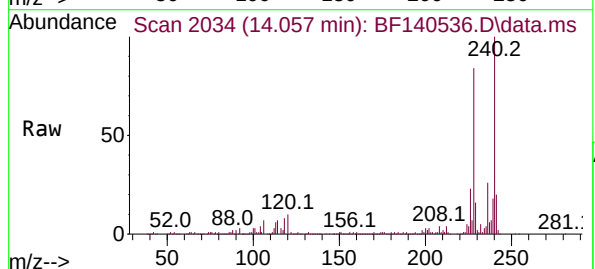
Manual Integrations
APPROVED

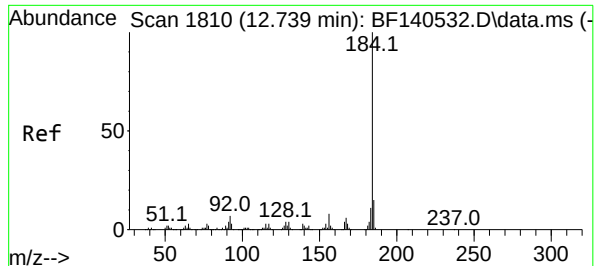
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

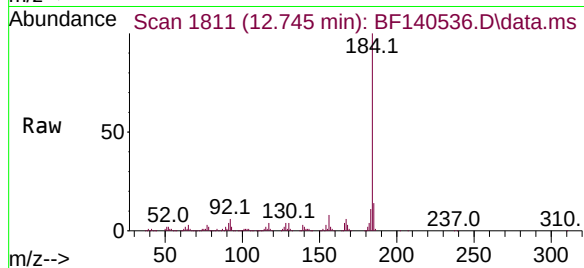
Tgt Ion:240 Resp: 266538
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.0 20.6 31.0





#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

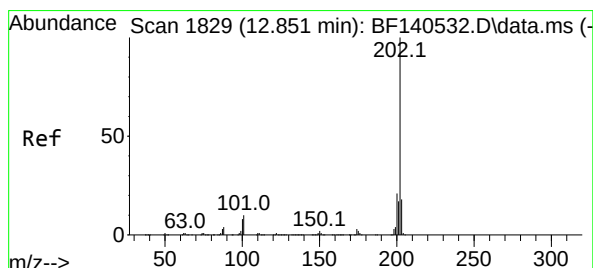
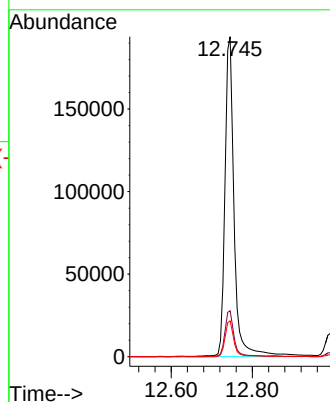
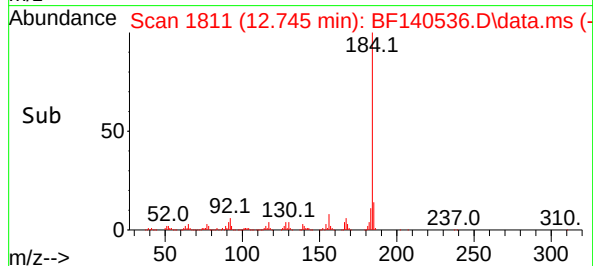
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

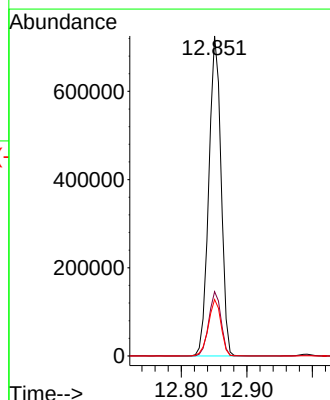
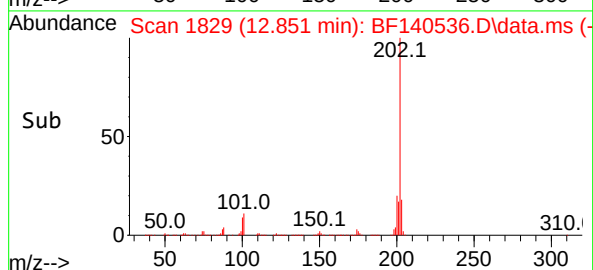
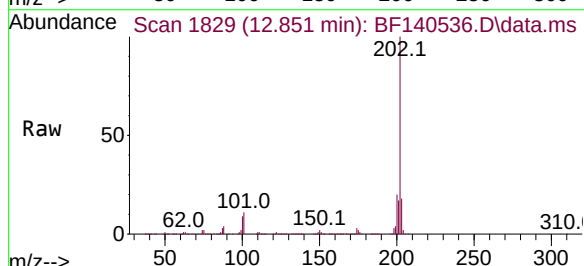
Manual Integrations
APPROVED

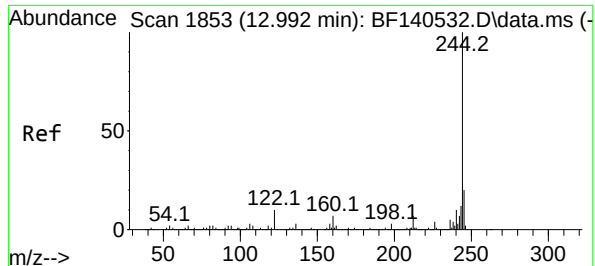
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

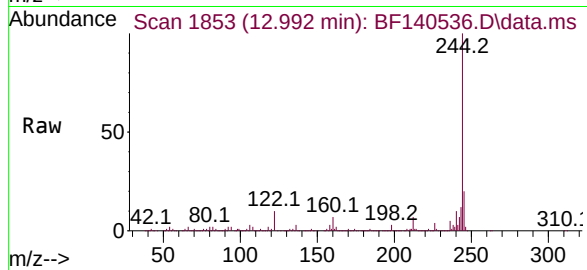
Tgt Ion:202 Resp: 941890
Ion Ratio Lower Upper
202 100
200 20.1 16.5 24.7
203 17.7 14.2 21.4





#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

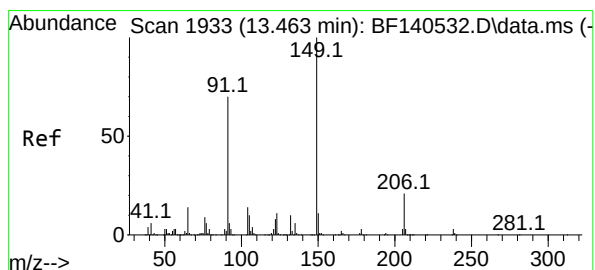
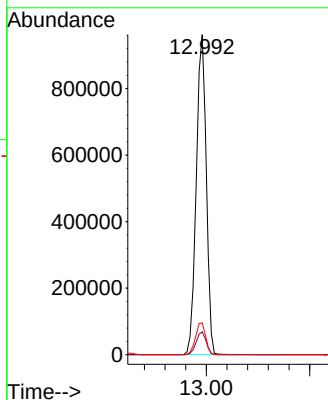
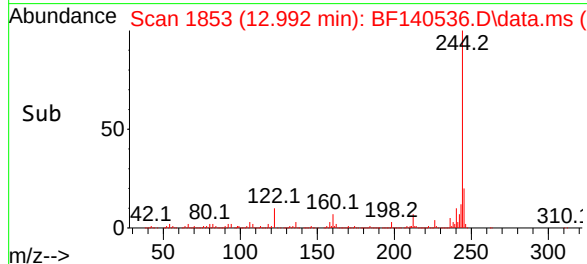
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

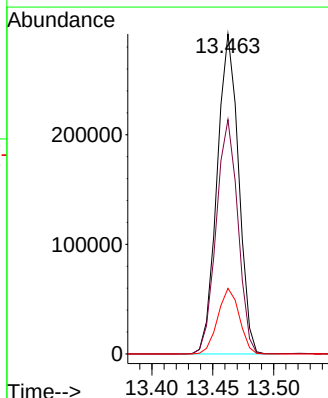
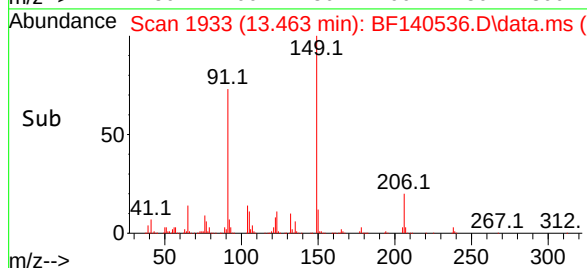
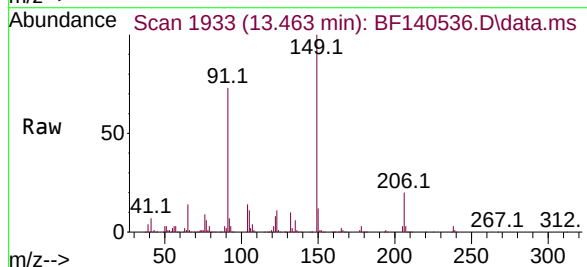
Manual Integrations
APPROVED

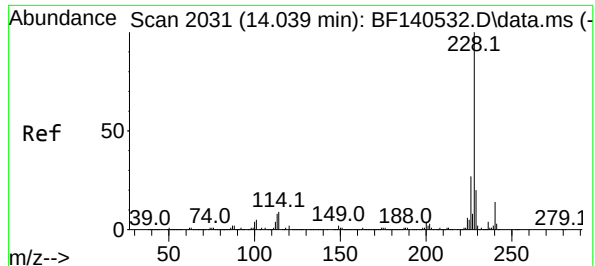
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

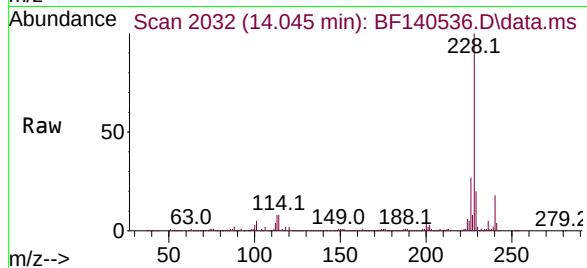
Tgt Ion:149 Resp: 359930
Ion Ratio Lower Upper
149 100
91 73.3 56.2 84.2
206 20.5 16.4 24.6





#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

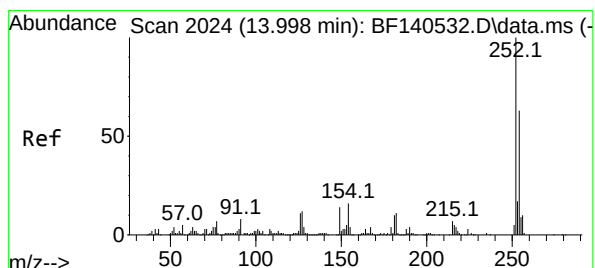
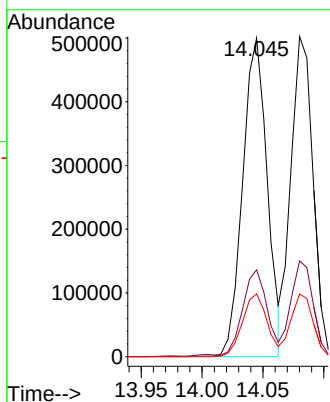
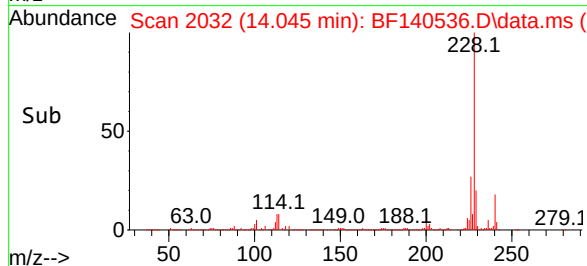
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

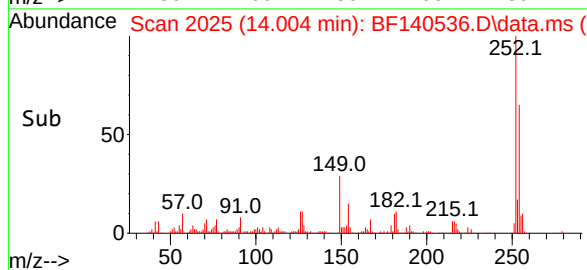
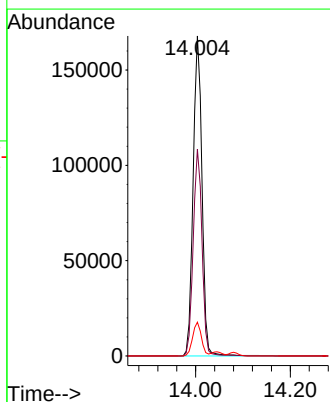
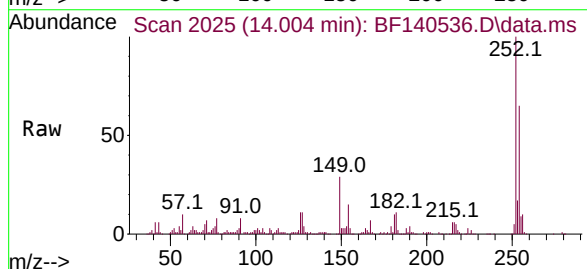
Manual Integrations
APPROVED

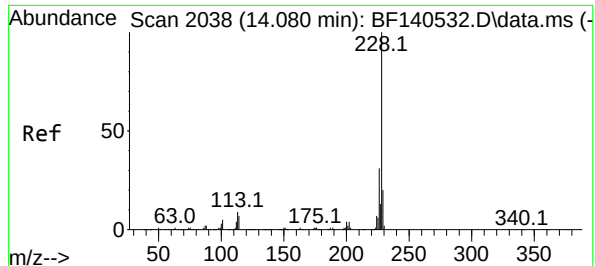
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

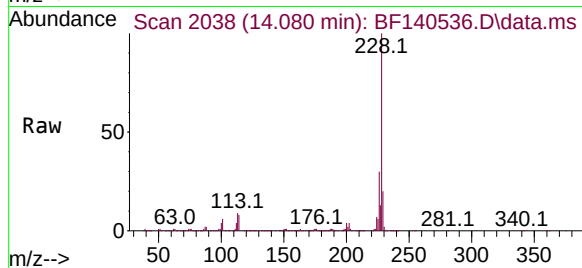
Tgt Ion:252 Resp: 217249
Ion Ratio Lower Upper
252 100
254 64.6 50.8 76.2
126 10.6 8.6 13.0





#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

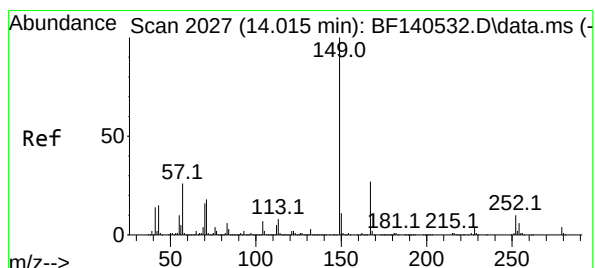
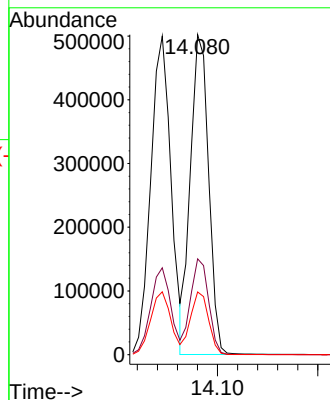
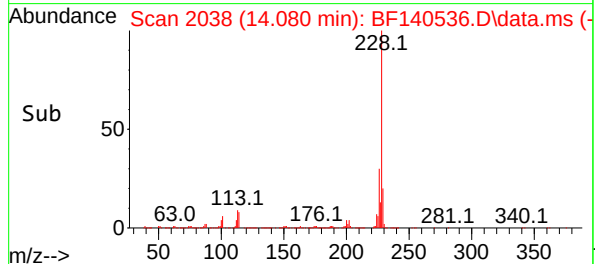
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

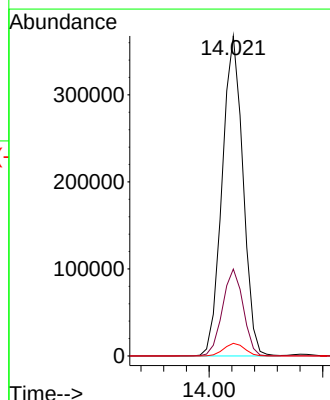
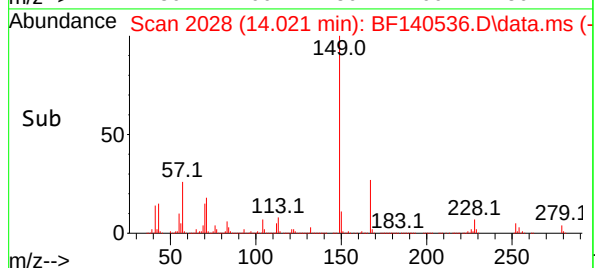
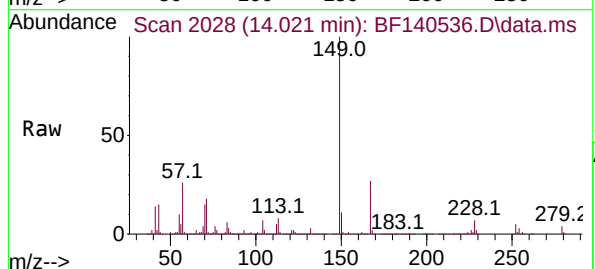
Manual Integrations
APPROVED

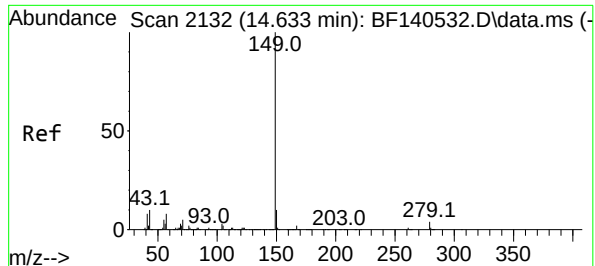
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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

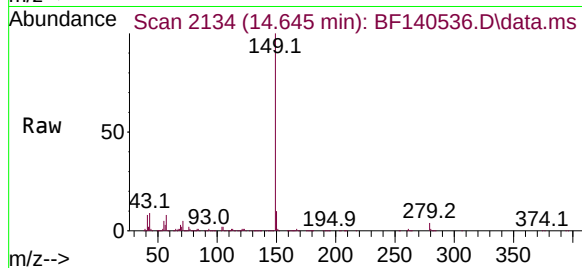
Tgt Ion:149 Resp: 468853
Ion Ratio Lower Upper
149 100
167 27.2 21.2 31.8
279 4.0 3.2 4.8





#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

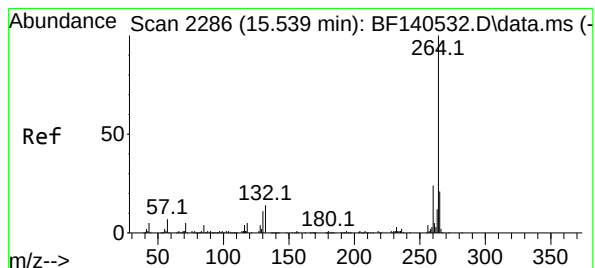
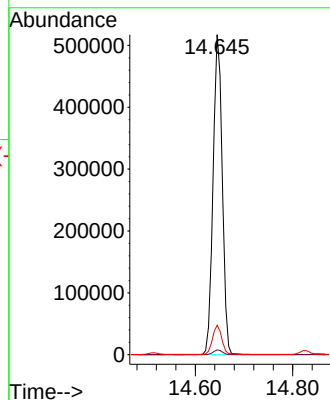
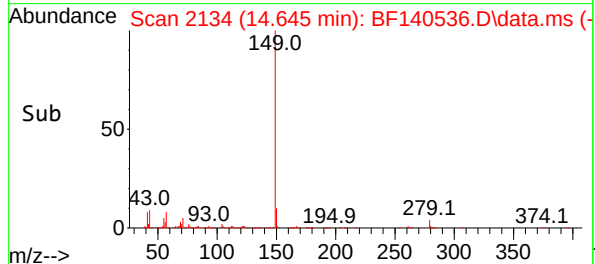
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



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

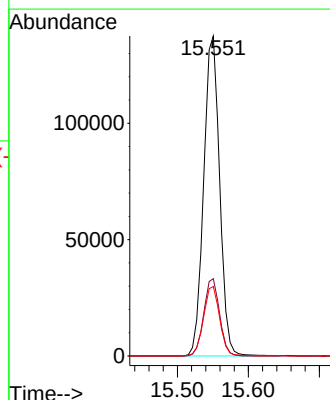
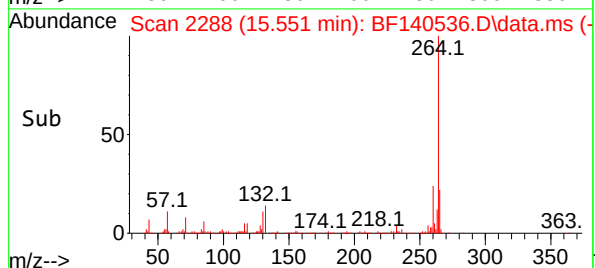
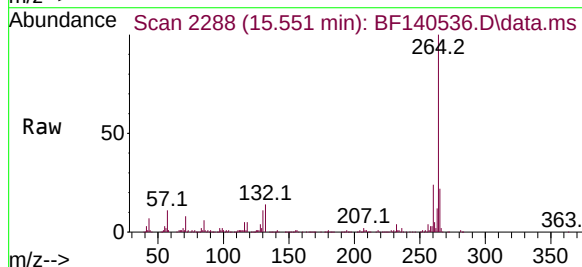
Manual Integrations
APPROVED

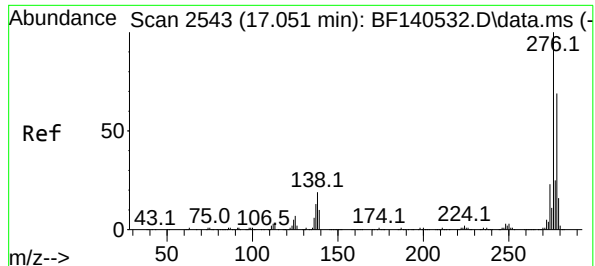
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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





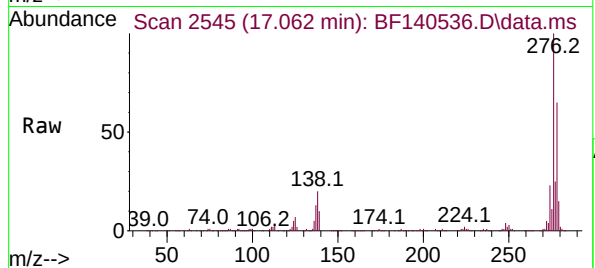
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.995 ng
RT: 17.062 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

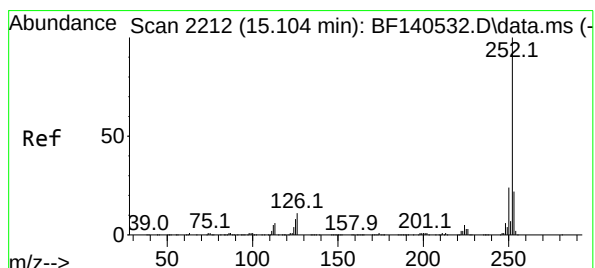
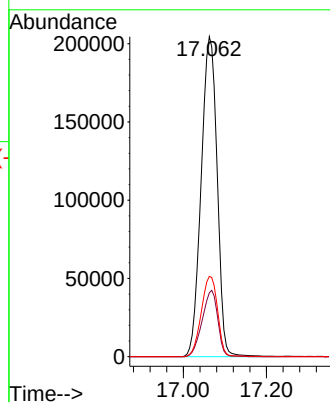
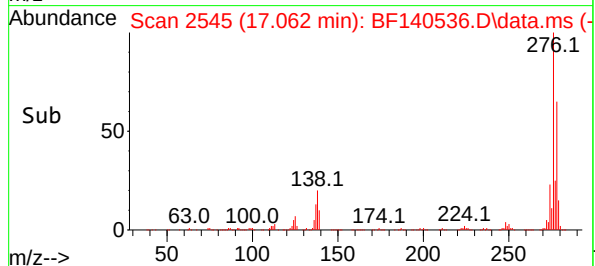


Tgt Ion:276 Resp: 54656
Ion Ratio Lower Upper
276 100
138 20.2 15.5 23.3
277 25.6 20.1 30.1

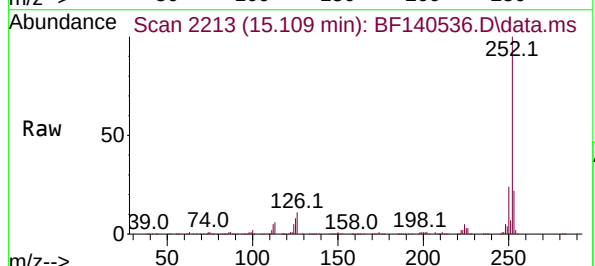
Manual Integrations

APPROVED

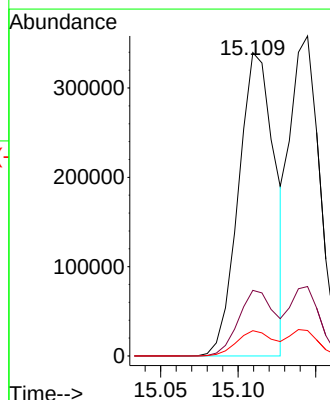
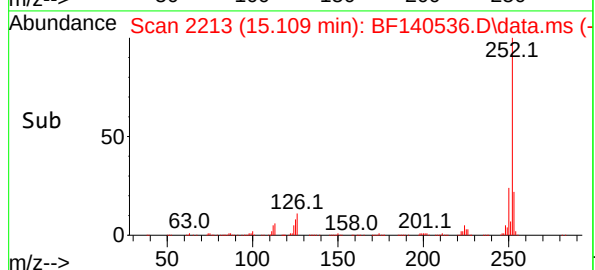
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024

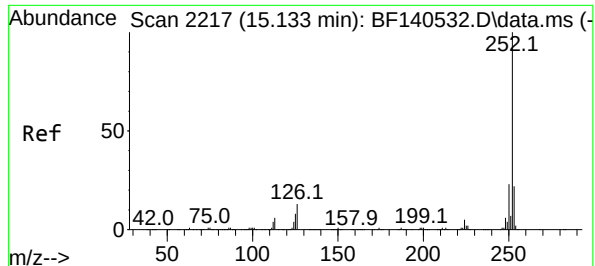


#88
Benzo(b)fluoranthene
Concen: 40.850 ng
RT: 15.109 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF140536.D
Acq: 21 Nov 2024 15:07



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

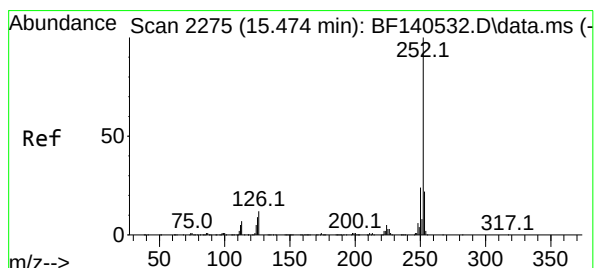
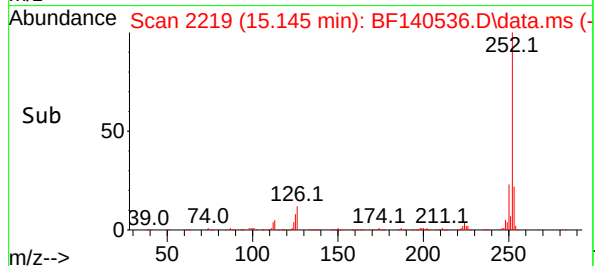
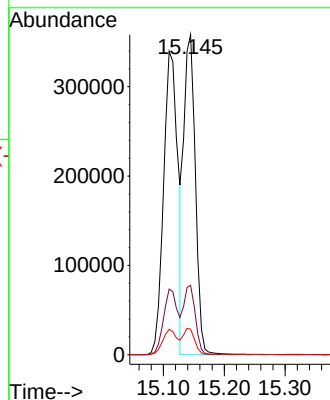
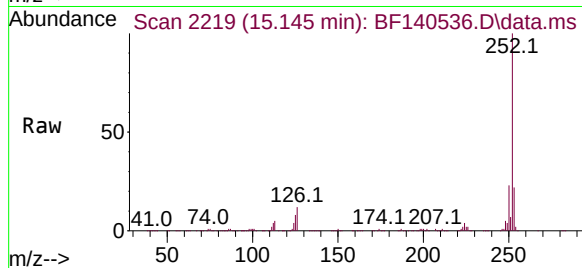
125 7.9 6.5 9.7

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

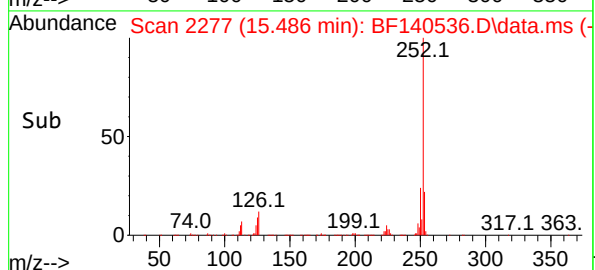
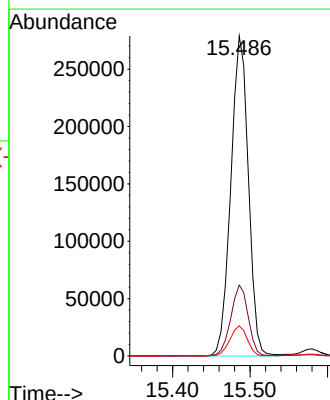
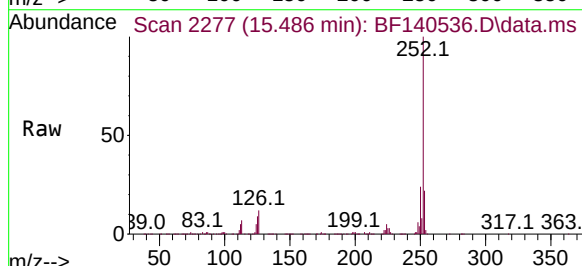
Tgt Ion:252 Resp: 439811

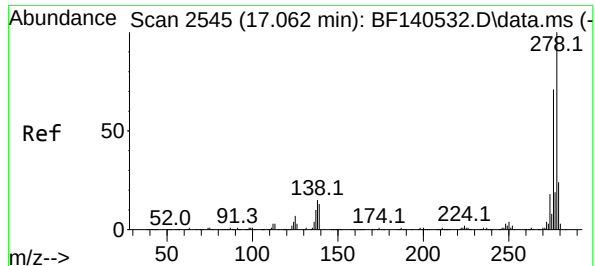
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

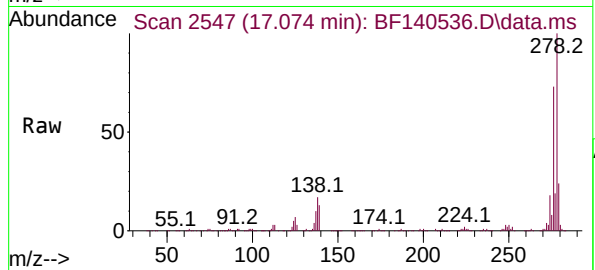
125 9.4 7.0 10.6





#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

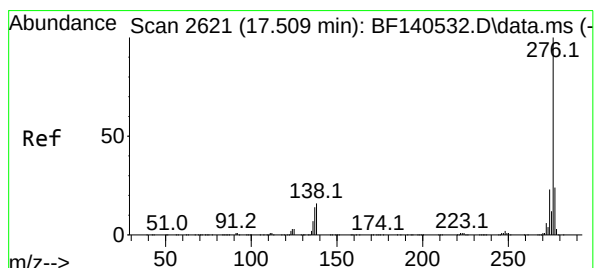
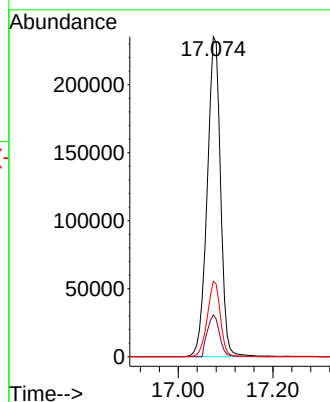
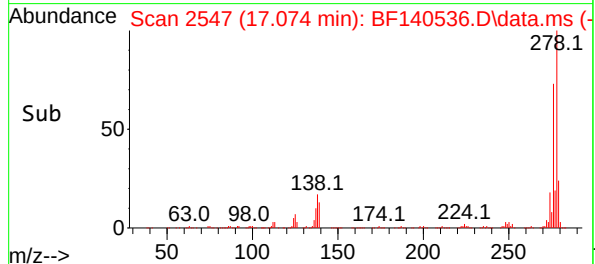
Instrument :
BNA_F
ClientSampleId :
ICVBF112124



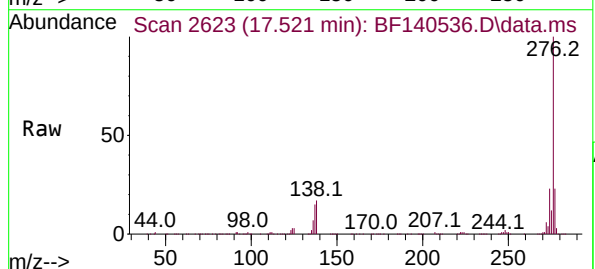
Tgt Ion:278 Resp: 459740
Ion Ratio Lower Upper
278 100
139 13.0 10.2 15.4
279 23.5 18.9 28.3

Manual Integrations
APPROVED

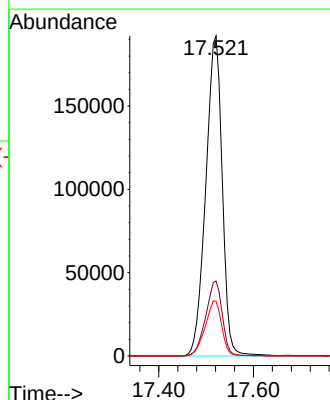
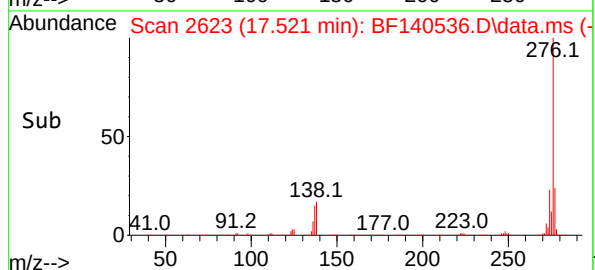
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/27/2024



#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
 Misc :
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Instrument :
 BNA_F
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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.: P5026 SAS No.: P5026 SDG No.: P5026

Instrument ID: BNA_F Calibration Date/Time: 12/02/2024 10:22

Lab File ID: BF140681.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	1.148		-2.0	
Phenol-d6	1.550	1.511		-2.5	
Nitrobenzene-d5	0.391	0.381		-2.6	
Naphthalene	1.030	1.021		-0.9	
2-Fluorobiphenyl	1.342	1.303		-2.9	
Acenaphthylene	1.710	1.674		-2.1	
Acenaphthene	1.086	1.073		-1.2	20.0
Fluorene	1.330	1.312		-1.4	
2,4,6-Tribromophenol	0.214	0.211		-1.4	
Phenanthrene	0.961	0.947		-1.5	
Anthracene	0.940	0.935		-0.5	
Fluoranthene	1.044	1.053		0.9	20.0
Pyrene	1.849	1.875		1.4	
Terphenyl-d14	1.284	1.262		-1.7	
Benzo (a) anthracene	1.324	1.320		-0.3	
Chrysene	1.211	1.200		-0.9	
Benzo (b) fluoranthene	1.256	1.244		-1.0	
Benzo (k) fluoranthene	1.099	1.048		-4.6	
Benzo (a) pyrene	1.021	1.000		-2.1	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.265		-2.9	
Dibenzo (a,h) anthracene	1.067	1.025		-3.9	
Benzo (g,h,i) perylene	1.089	1.064		-2.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140681.D
 Acq On : 02 Dec 2024 10:22
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:01:17 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	83338	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	303615	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	170338	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	321182	20.000	ng	0.00
76) Chrysene-d12	14.063	240	183379	20.000	ng	0.01
86) Perylene-d12	15.580	264	159952	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	382644	78.340	ng	0.00
7) Phenol-d6	6.510	99	503620	77.993	ng	0.00
23) Nitrobenzene-d5	7.434	82	462395	77.900	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	143600	78.824	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	887711	77.648	ng	0.00
79) Terphenyl-d14	12.986	244	925492	78.587	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	80587	39.241	ng	98
3) Pyridine	3.405	79	186860	41.355	ng	98
4) n-Nitrosodimethylamine	3.358	42	95688	36.032	ng	90
6) Aniline	6.534	93	194317	42.754	ng	98
8) 2-Chlorophenol	6.663	128	208041	39.590	ng	95
9) Benzaldehyde	6.428	77	128910	37.711	ng	99
10) Phenol	6.528	94	263164	39.907	ng	99
11) bis(2-Chloroethyl)ether	6.604	93	195007	38.644	ng	100
12) 1,3-Dichlorobenzene	6.810	146	230350	39.012	ng	99
13) 1,4-Dichlorobenzene	6.887	146	231965	38.799	ng	100
14) 1,2-Dichlorobenzene	7.040	146	220894	39.430	ng	100
15) Benzyl Alcohol	7.016	79	188408	39.344	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	227260	38.120	ng	89
17) 2-Methylphenol	7.128	107	164823	39.183	ng	96
18) Hexachloroethane	7.381	117	85417	38.253	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	143772	37.674	ng	99
20) 3+4-Methylphenols	7.281	107	211717	39.158	ng	93
22) Acetophenone	7.281	105	292987	39.582	ng	98
24) Nitrobenzene	7.457	77	242462	39.523	ng	98
25) Isophorone	7.693	82	388993	39.291	ng	100
26) 2-Nitrophenol	7.769	139	109812	40.392	ng	99
27) 2,4-Dimethylphenol	7.810	122	138372m	42.539	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	235112	38.982	ng	100
29) 2,4-Dichlorophenol	8.016	162	172933	40.122	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	192346	39.084	ng	99
31) Naphthalene	8.175	128	619717	39.627	ng	99
32) Benzoic acid	7.934	122	91308	34.616	ng	99
33) 4-Chloroaniline	8.228	127	197835	42.251	ng	99
34) Hexachlorobutadiene	8.287	225	128217	39.335	ng	100
35) Caprolactam	8.598	113	53801	40.334	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	190334	39.440	ng	98
37) 2-Methylnaphthalene	8.863	142	397855	40.053	ng	100
38) 1-Methylnaphthalene	8.963	142	384537	39.495	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	195747	39.254	ng	99
41) Hexachlorocyclopentadiene	9.016	237	39649	39.441	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	121729	38.903	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140681.D
 Acq On : 02 Dec 2024 10:22
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:01:17 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	9.198	196	133861	39.418	ng	96
46) 1,1'-Biphenyl	9.328	154	502088	39.480	ng	99
47) 2-Chloronaphthalene	9.357	162	382473	39.690	ng	98
48) 2-Nitroaniline	9.457	65	121591	39.310	ng	97
49) Acenaphthylene	9.769	152	570128	39.157	ng	99
50) Dimethylphthalate	9.628	163	435690	38.837	ng	99
51) 2,6-Dinitrotoluene	9.692	165	101239	39.791	ng	98
52) Acenaphthene	9.939	154	365569	39.516	ng	99
53) 3-Nitroaniline	9.869	138	101271	40.697	ng	95
54) 2,4-Dinitrophenol	9.981	184	39753	35.042	ng	98
55) Dibenzofuran	10.116	168	552732	39.170	ng	99
56) 4-Nitrophenol	10.045	139	58348	34.381	ng	90
57) 2,4-Dinitrotoluene	10.104	165	138145	40.854	ng	97
58) Fluorene	10.457	166	447025	39.467	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	101757	38.989	ng	97
60) Diethylphthalate	10.322	149	442920	38.859	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	221567	39.860	ng	98
62) 4-Nitroaniline	10.481	138	106239	40.706	ng	96
63) Azobenzene	10.610	77	421993	39.095	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	68986	42.032	ng	95
66) n-Nitrosodiphenylamine	10.569	169	370469	39.004	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	131430	39.735	ng	96
68) Hexachlorobenzene	11.010	284	148373	38.740	ng	98
69) Atrazine	11.092	200	95071	35.580	ng	99
70) Pentachlorophenol	11.210	266	60904	36.131	ng	99
71) Phenanthrene	11.422	178	608173	39.392	ng	100
72) Anthracene	11.475	178	600668	39.774	ng	100
73) Carbazole	11.633	167	584648	40.242	ng	99
74) Di-n-butylphthalate	11.951	149	648784	38.680	ng	99
75) Fluoranthene	12.616	202	676451	40.355	ng	100
77) Benzidine	12.739	184	181013	33.951	ng	98
78) Pyrene	12.845	202	687839	40.567	ng	99
80) Butylbenzylphthalate	13.457	149	246541	40.363	ng	100
81) Benzo(a)anthracene	14.051	228	483983	39.870	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	141622	38.858	ng	99
83) Chrysene	14.086	228	440189	39.658	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	308576	40.009	ng	100
85) Di-n-octyl phthalate	14.669	149	418059	39.662	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	404685	38.823	ng	99
88) Benzo(b)fluoranthene	15.139	252	397834	39.598	ng	100
89) Benzo(k)fluoranthene	15.169	252	335170	38.123	ng	99
90) Benzo(a)pyrene	15.516	252	319834	39.153	ng	99
91) Dibenzo(a,h)anthracene	17.110	278	328020	38.424	ng	99
92) Benzo(g,h,i)perylene	17.562	276	340327	39.067	ng	99

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

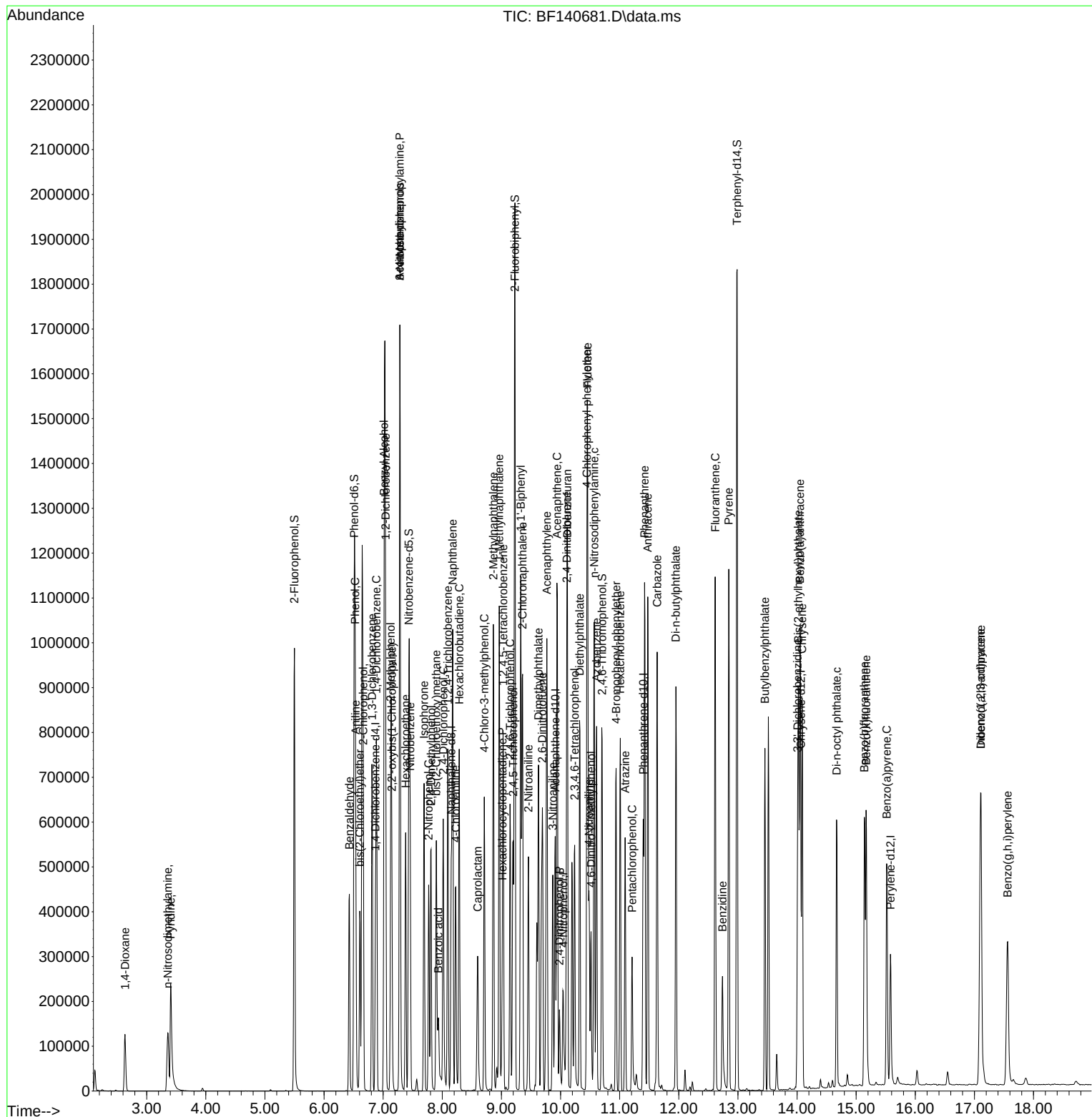
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Acq On : 02 Dec 2024 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

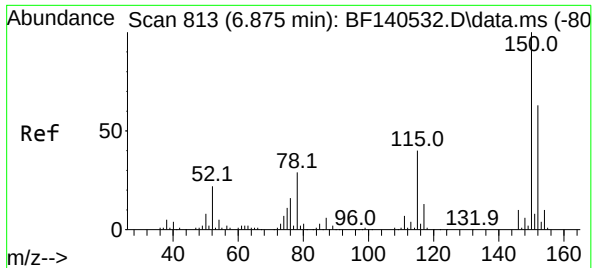
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:01:17 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





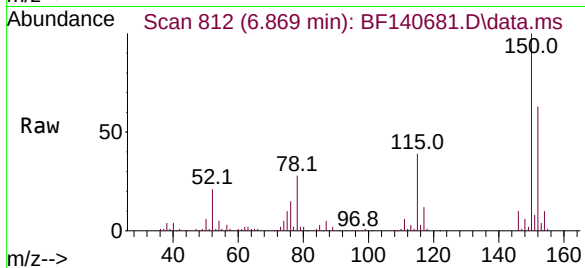
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

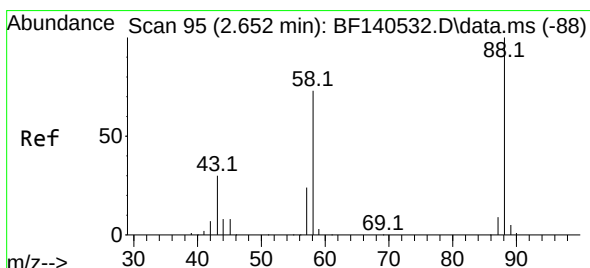
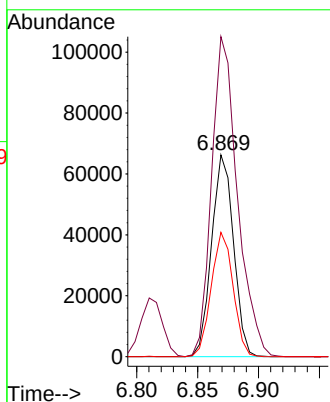
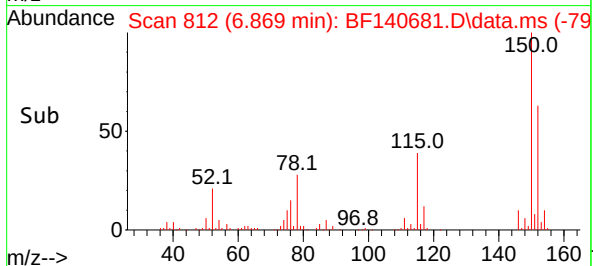


Tgt Ion:152 Resp: 83338
Ion Ratio Lower Upper
152 100
150 158.5 128.5 192.7
115 61.6 50.2 75.4

Manual Integrations

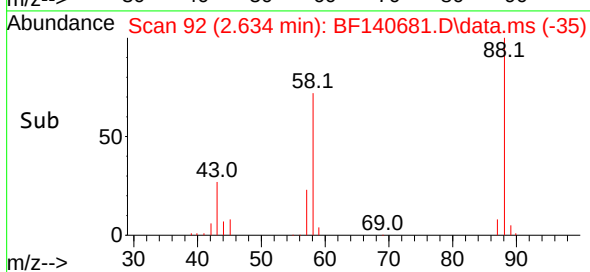
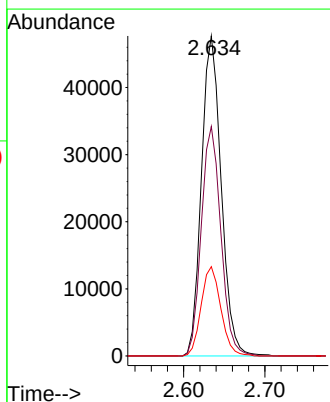
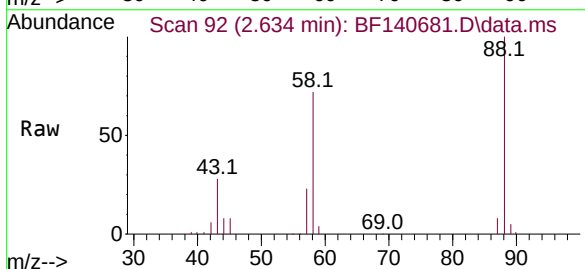
APPROVED

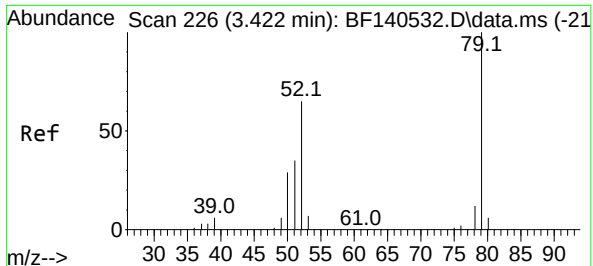
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#2
1,4-Dioxane
Concen: 39.241 ng
RT: 2.634 min Scan# 92
Delta R.T. -0.018 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

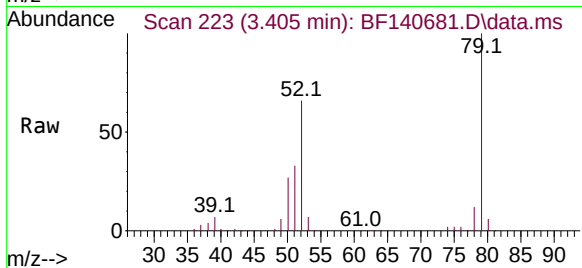
Tgt Ion: 88 Resp: 80587
Ion Ratio Lower Upper
88 100
58 70.8 57.4 86.2
43 27.8 24.3 36.5





#3
Pyridine
Concen: 41.355 ng
RT: 3.405 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

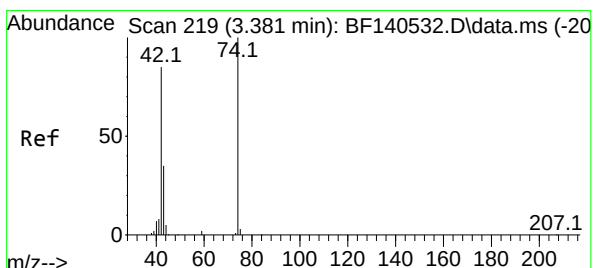
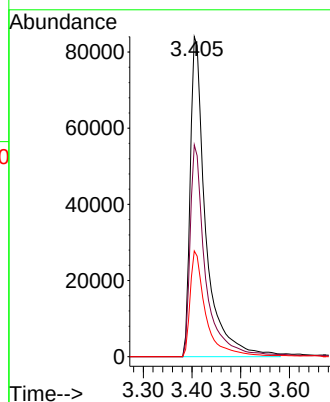
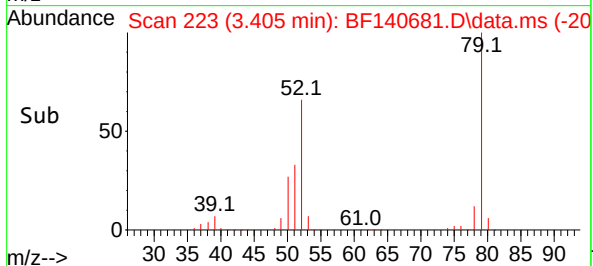
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 186860
Ion Ratio Lower Upper
79 100
52 66.2 52.1 78.1
51 33.1 27.8 41.8

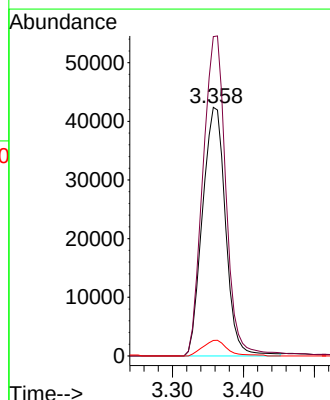
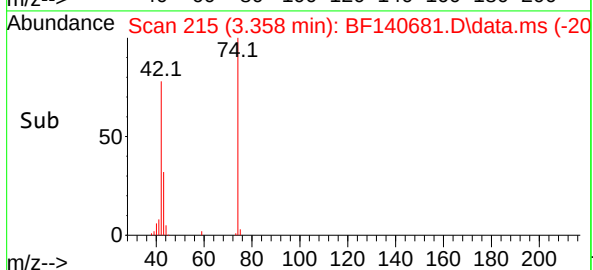
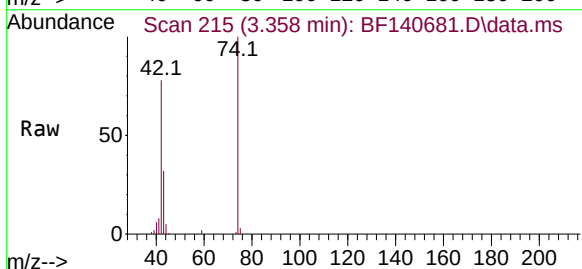
Manual Integrations
APPROVED

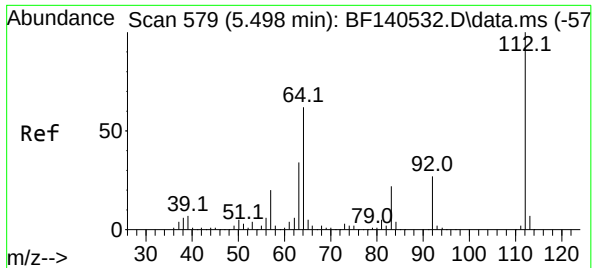
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#4
n-Nitrosodimethylamine
Concen: 36.032 ng
RT: 3.358 min Scan# 215
Delta R.T. -0.023 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion: 42 Resp: 95688
Ion Ratio Lower Upper
42 100
74 128.5 93.8 140.6
44 6.3 4.6 6.8





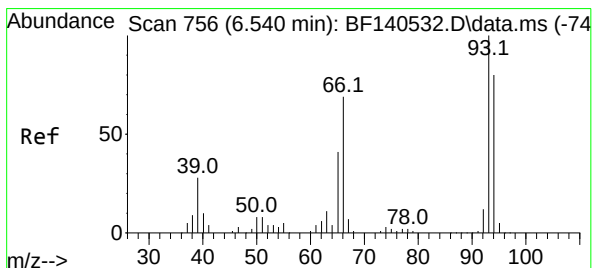
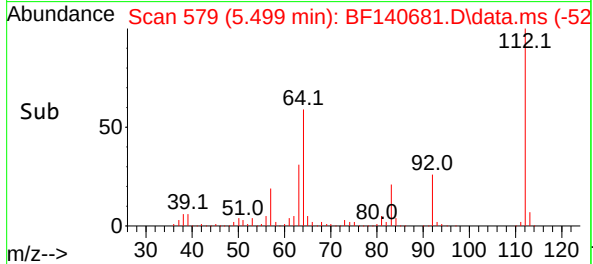
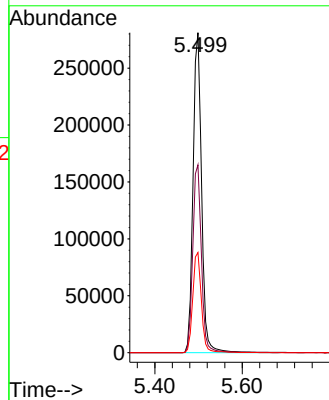
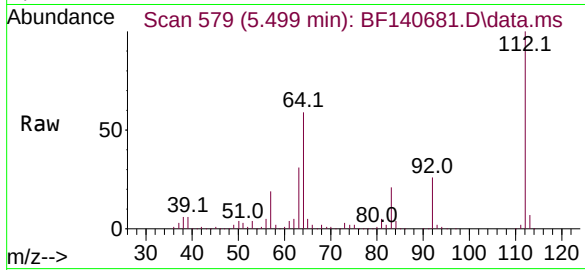
#5
2-Fluorophenol
Concen: 78.340 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 382644
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 31.3 27.0 40.4

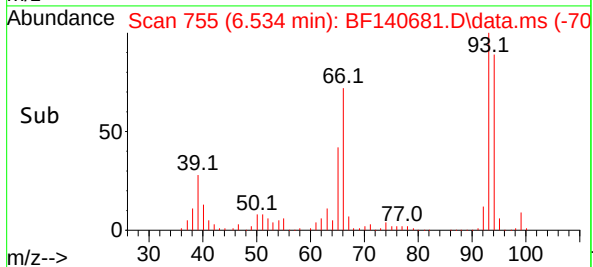
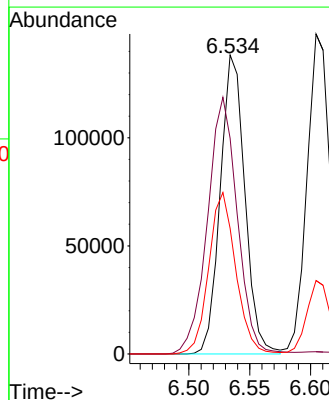
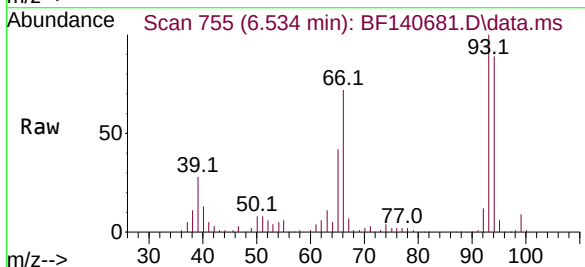
Manual Integrations
APPROVED

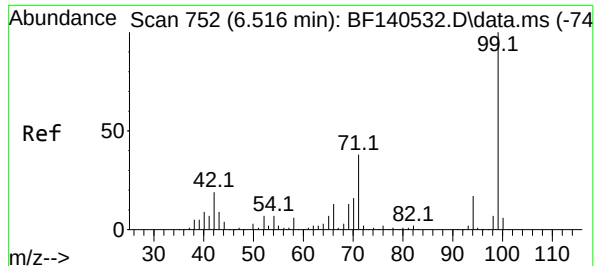
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#6
Aniline
Concen: 42.754 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion: 93 Resp: 194317
Ion Ratio Lower Upper
93 100
66 72.1 56.5 84.7
65 42.0 32.9 49.3





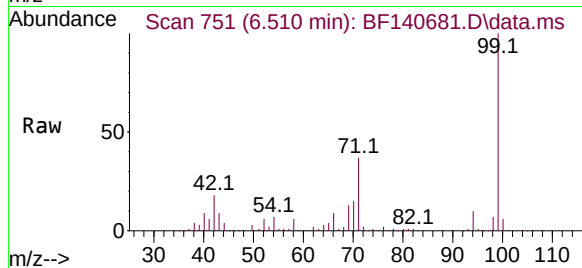
#7
Phenol-d6
Concen: 77.993 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

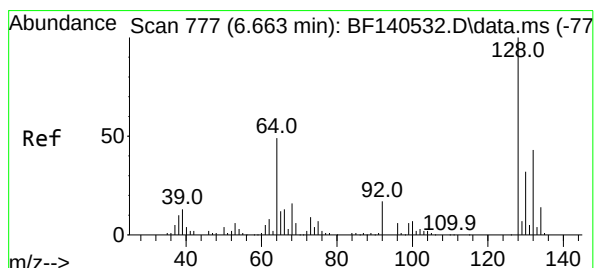
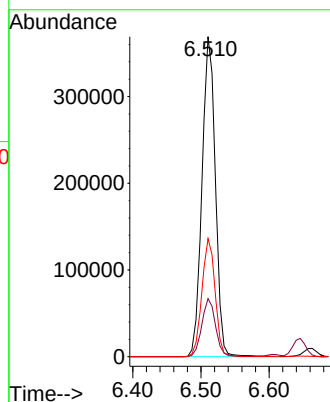
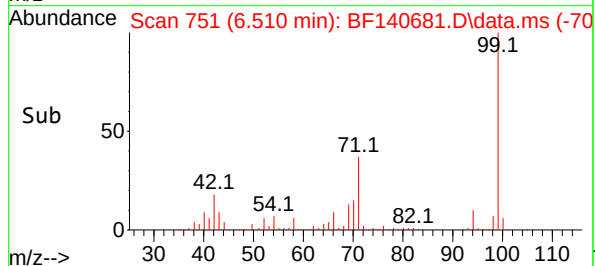


Tgt Ion: 99 Resp: 503620
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 36.9 30.6 46.0

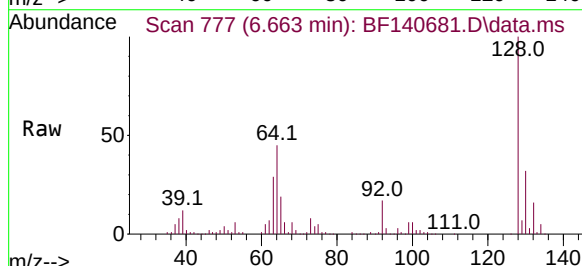
Manual Integrations

APPROVED

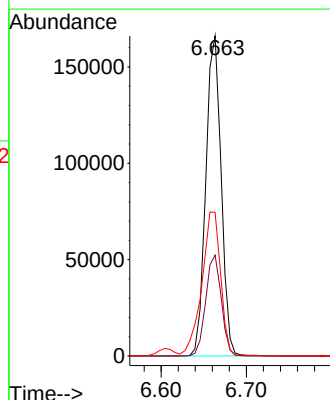
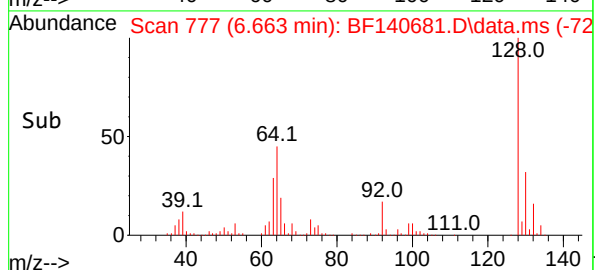
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

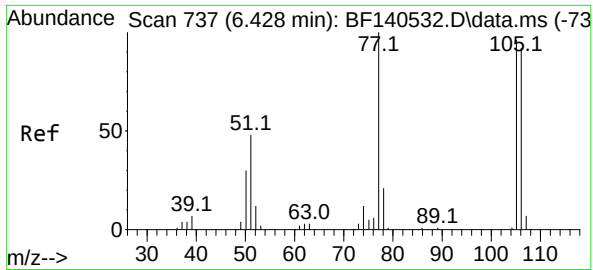


#8
2-Chlorophenol
Concen: 39.590 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



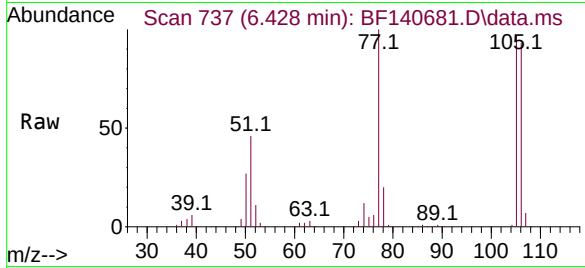
Tgt Ion:128 Resp: 208041
Ion Ratio Lower Upper
128 100
130 31.5 12.3 52.3
64 44.9 30.2 70.2





#9
Benzaldehyde
Concen: 37.711 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

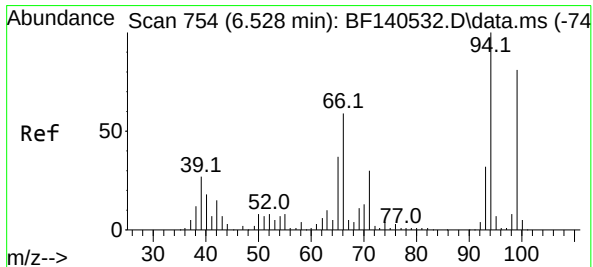
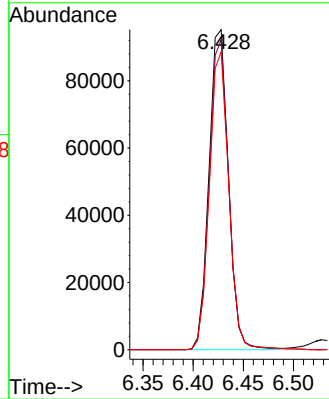
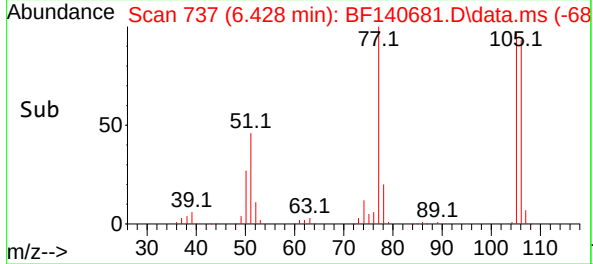
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 128910
Ion Ratio Lower Upper
77 100
105 96.8 75.6 115.6
106 93.1 72.0 112.0

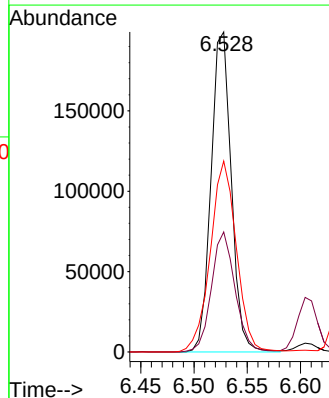
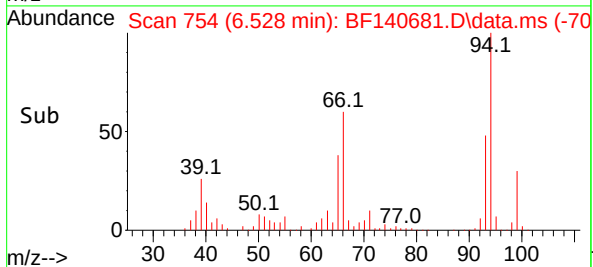
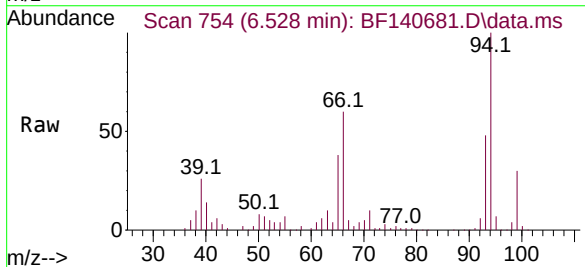
Manual Integrations
APPROVED

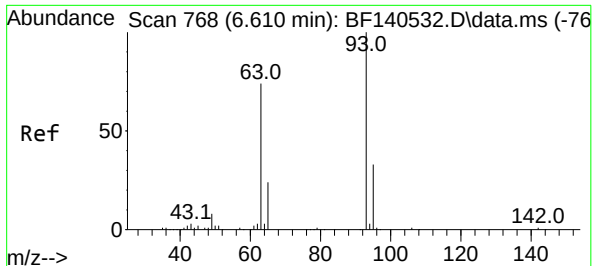
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#10
Phenol
Concen: 39.907 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion: 94 Resp: 263164
Ion Ratio Lower Upper
94 100
65 37.5 17.2 57.2
66 59.6 39.2 79.2





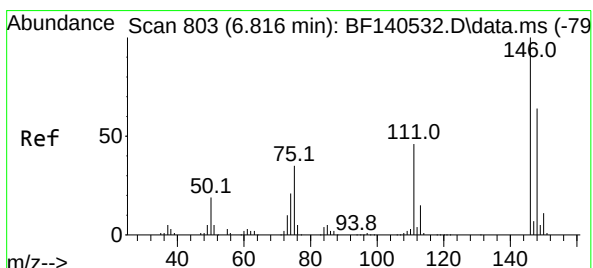
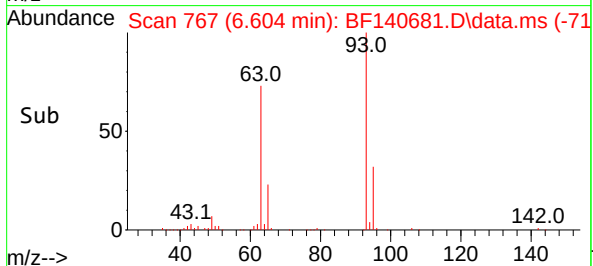
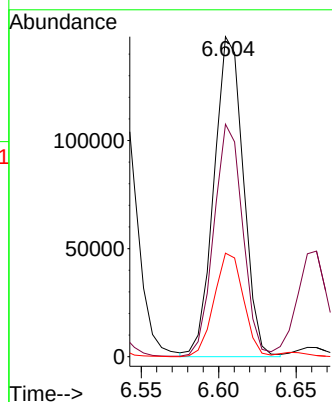
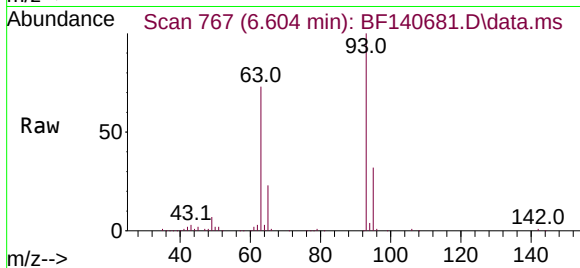
#11
bis(2-Chloroethyl)ether
Concen: 38.644 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 19500
Ion Ratio Lower Upper
93 100
63 72.7 52.8 92.8
95 32.4 12.3 52.3

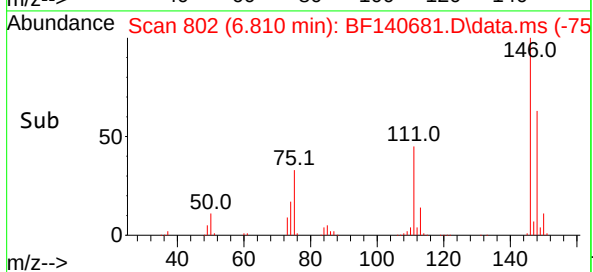
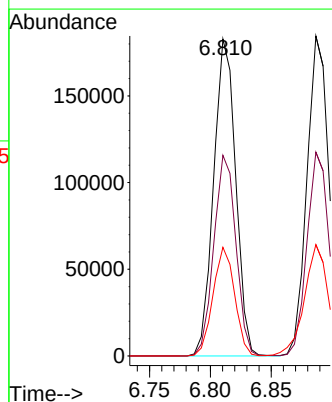
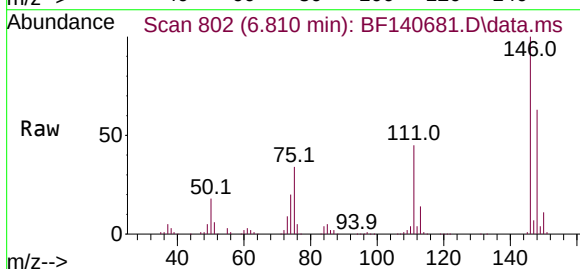
Manual Integrations
APPROVED

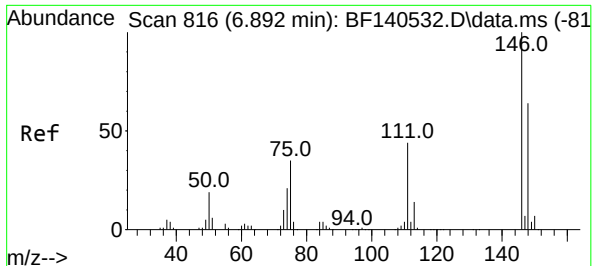
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#12
1,3-Dichlorobenzene
Concen: 39.012 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:146 Resp: 230350
Ion Ratio Lower Upper
146 100
148 63.3 51.3 76.9
75 34.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 38.799 ng

RT: 6.887 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 23196

Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.6

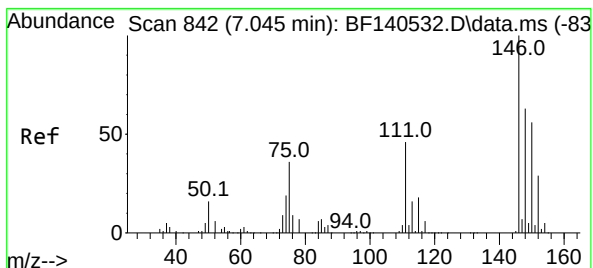
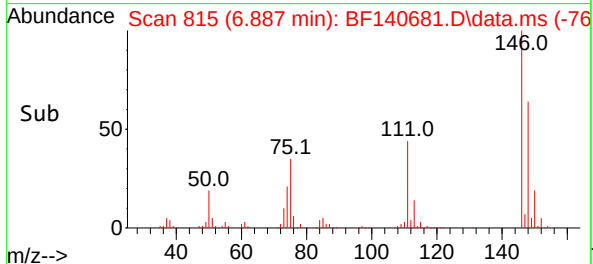
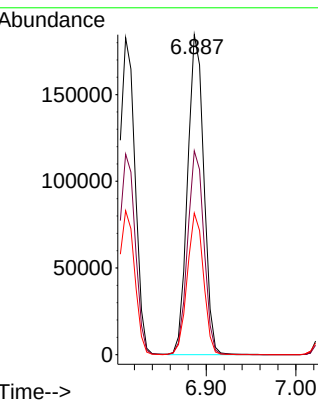
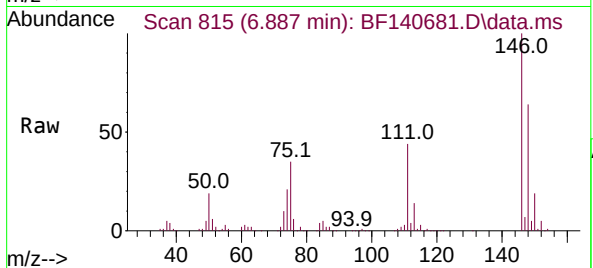
111 44.2 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#14

1,2-Dichlorobenzene

Concen: 39.430 ng

RT: 7.040 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

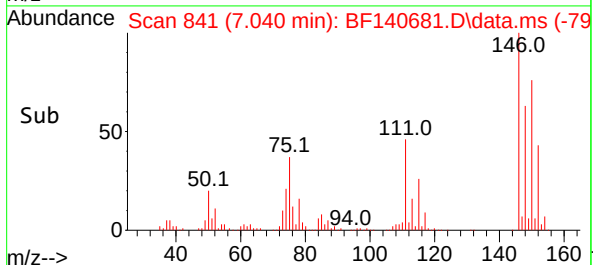
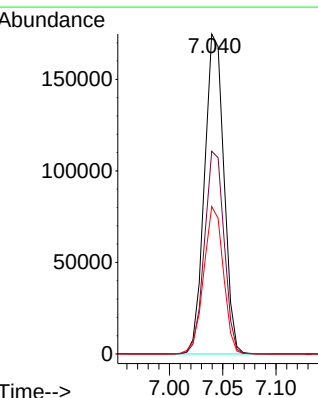
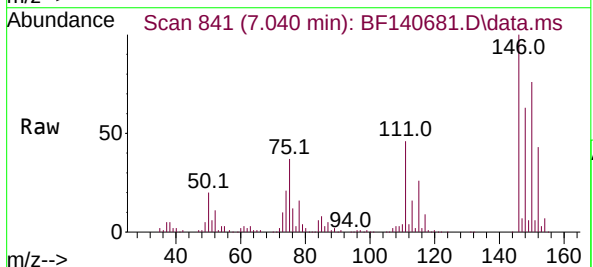
Tgt Ion:146 Resp: 220894

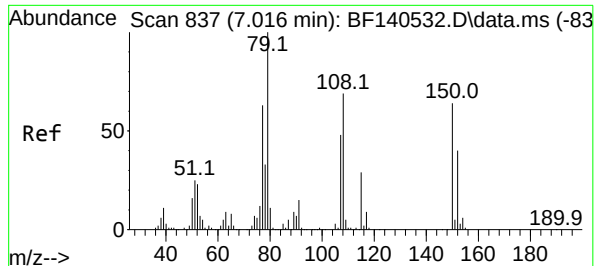
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

111 46.1 36.7 55.1





#15

Benzyl Alcohol

Concen: 39.344 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 188408

Ion Ratio Lower Upper

79 100

108 70.6 55.0 82.6

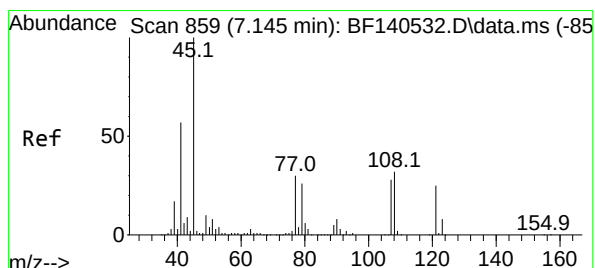
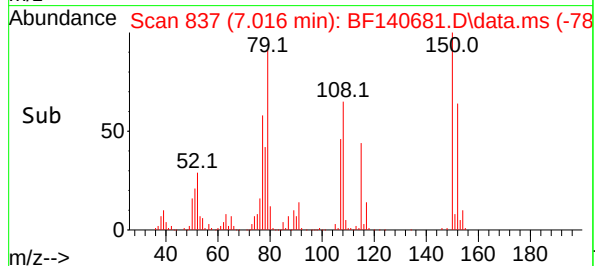
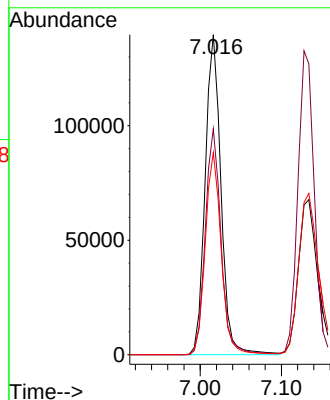
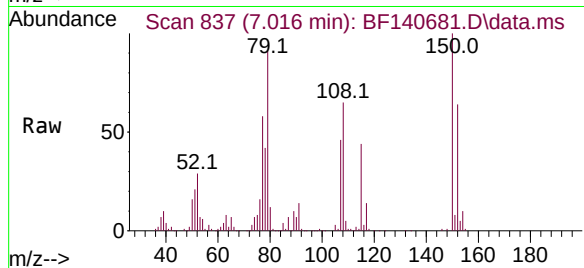
77 63.2 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.120 ng

RT: 7.146 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

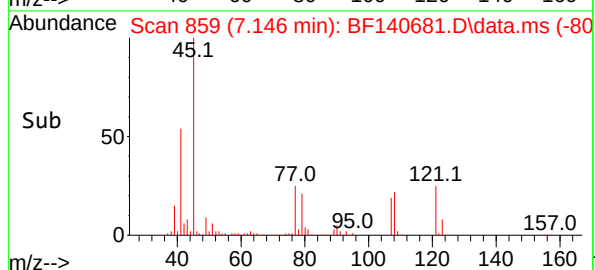
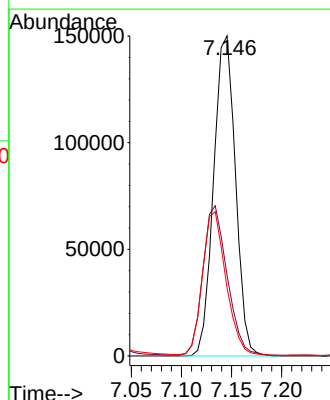
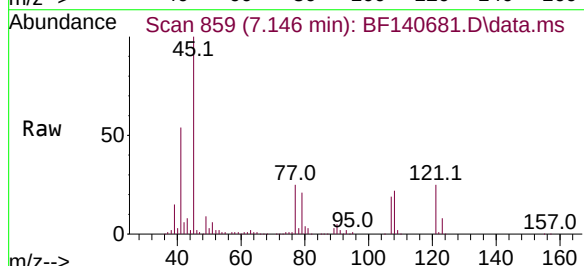
Tgt Ion: 45 Resp: 227260

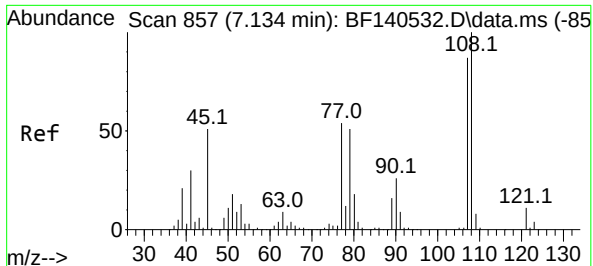
Ion Ratio Lower Upper

45 100

77 25.1 10.7 50.7

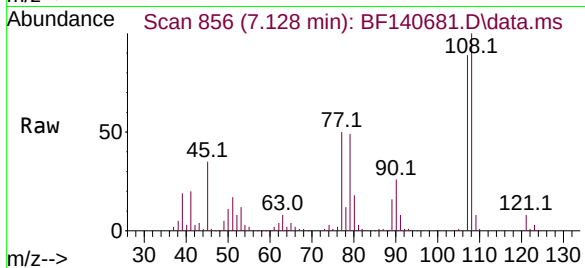
79 21.2 7.0 47.0





#17
2-Methylphenol
Concen: 39.183 ng
RT: 7.128 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

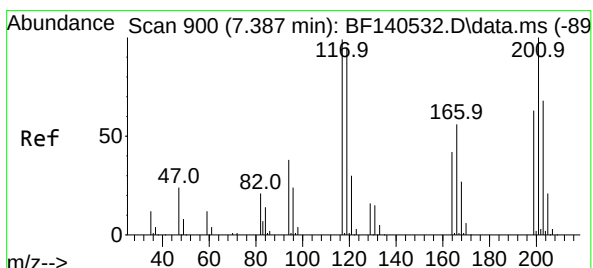
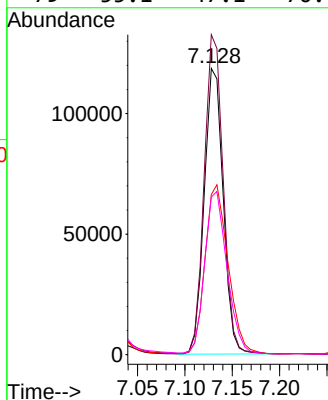
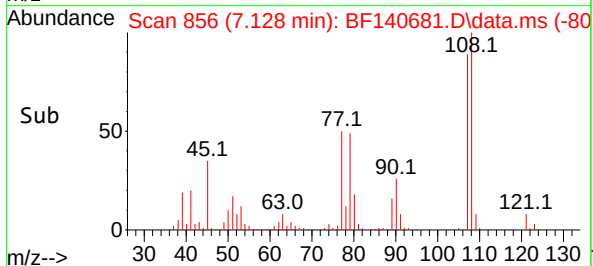
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 16482
Ion Ratio Lower Upper
107 100
108 111.8 91.7 137.5
77 56.0 49.3 73.9
79 55.1 47.1 70.7

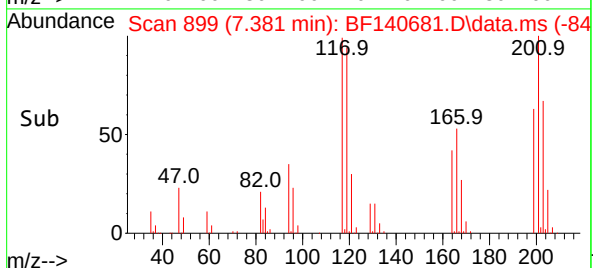
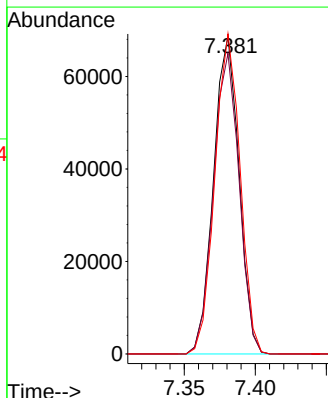
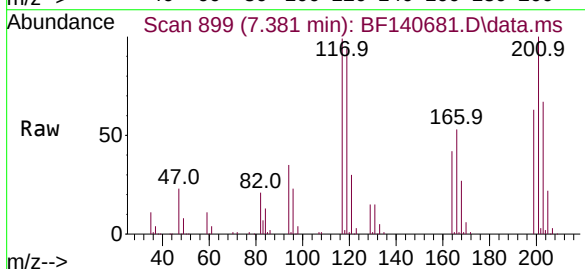
Manual Integrations
APPROVED

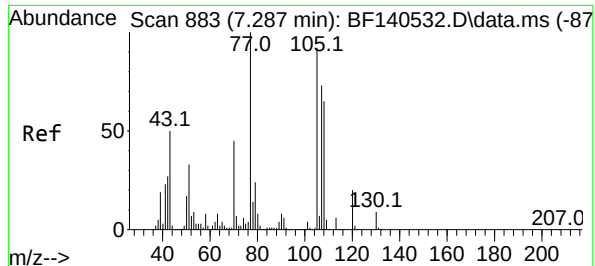
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#18
Hexachloroethane
Concen: 38.253 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:117 Resp: 85417
Ion Ratio Lower Upper
117 100
119 94.6 77.1 115.7
201 100.7 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 37.674 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 143772

Ion Ratio Lower Upper

70 100

42 58.6 47.6 71.4

101 9.5 7.6 11.4

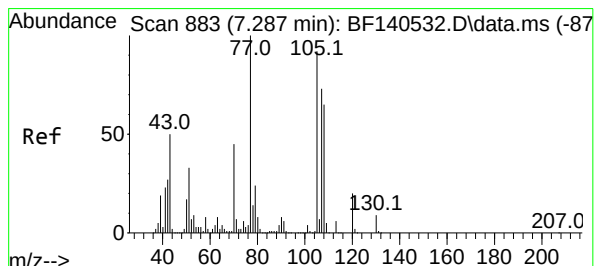
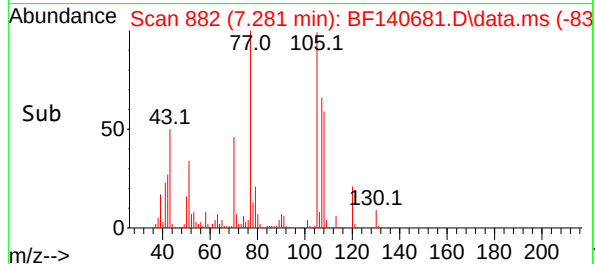
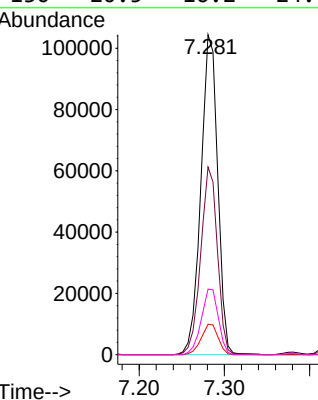
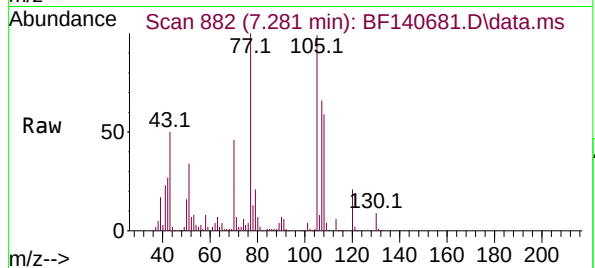
130 20.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#20

3+4-Methylphenols

Concen: 39.158 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Tgt Ion:107 Resp: 211717

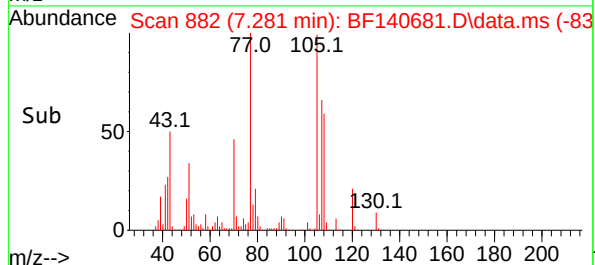
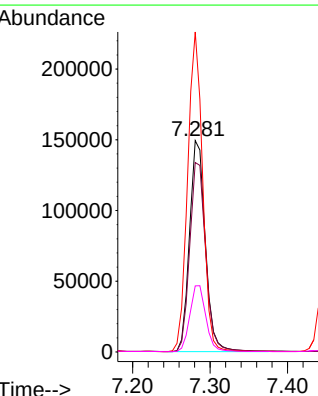
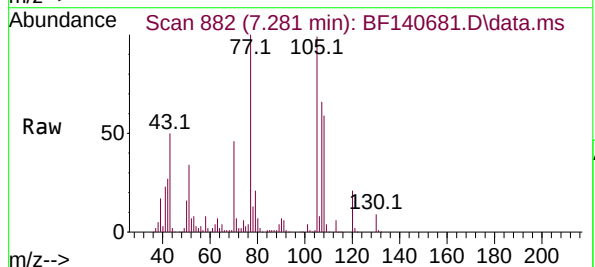
Ion Ratio Lower Upper

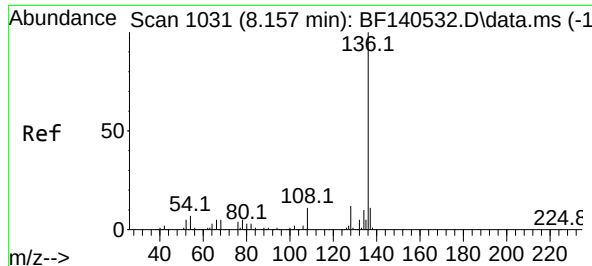
107 100

108 89.6 69.9 109.9

77 151.4 117.7 157.7

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: BF140681.D

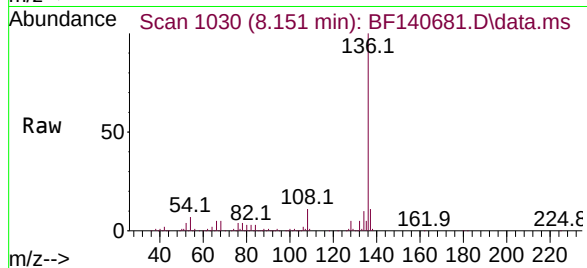
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 30361

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.1 5.8 8.8

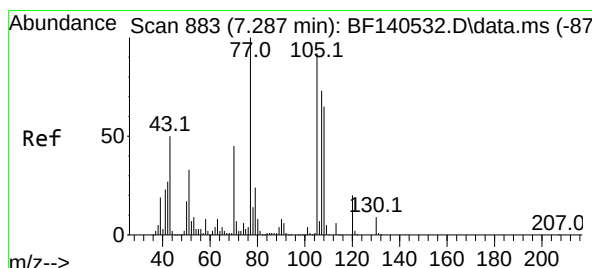
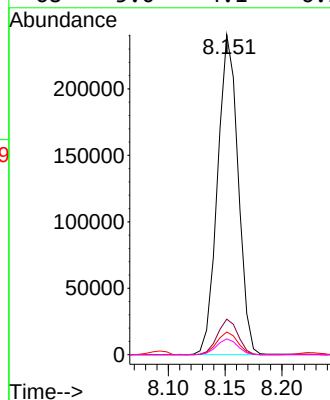
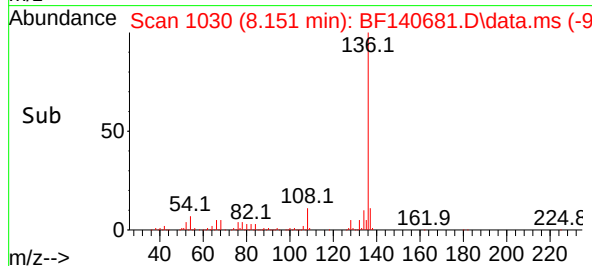
68 5.0 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#22

Acetophenone

Concen: 39.582 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Tgt Ion:105 Resp: 292987

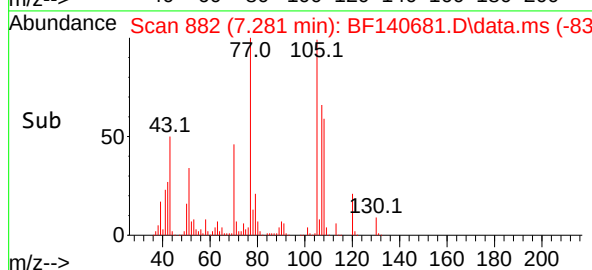
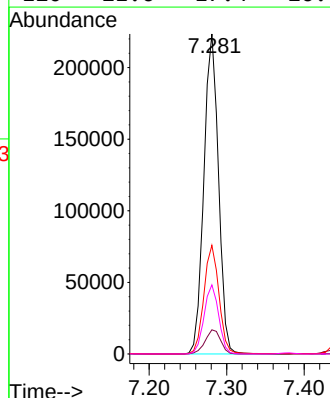
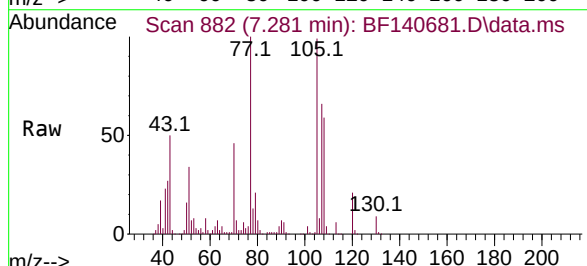
Ion Ratio Lower Upper

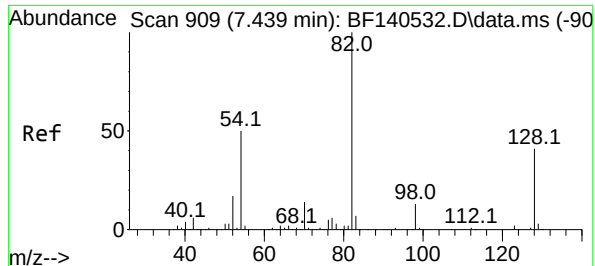
105 100

71 7.6 6.2 9.2

51 33.9 29.0 43.6

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 77.900 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 46239

Ion Ratio Lower Upper

82 100

128 42.2 33.0 49.4

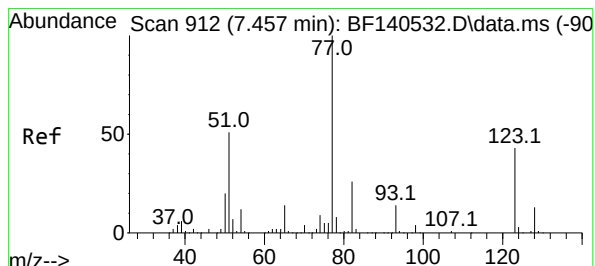
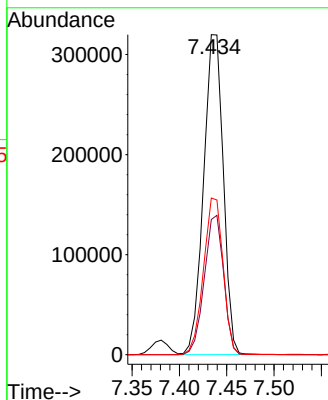
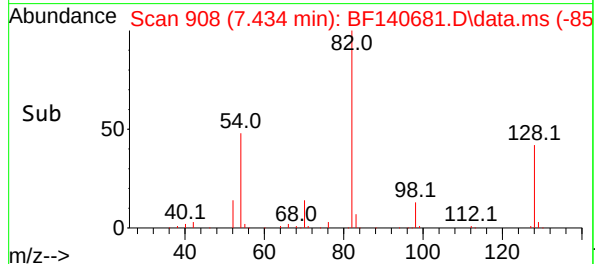
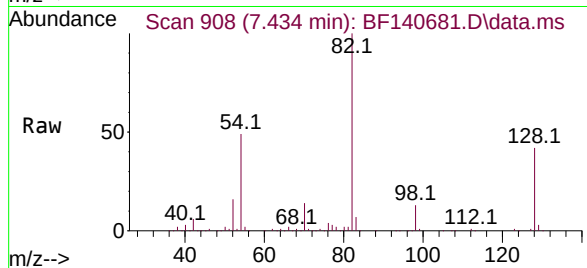
54 49.0 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#24

Nitrobenzene

Concen: 39.523 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

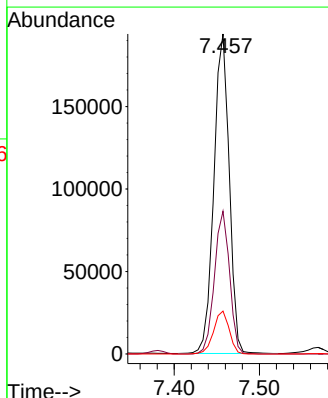
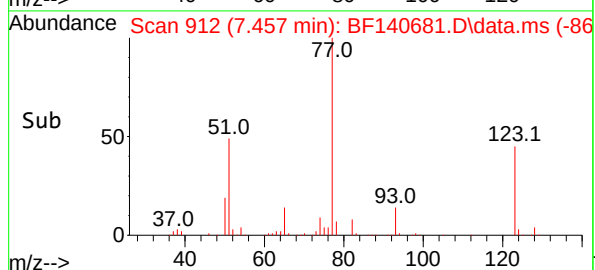
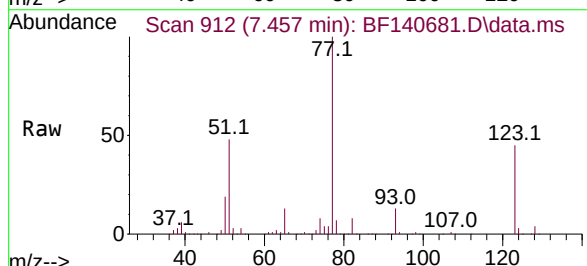
Tgt Ion: 77 Resp: 242462

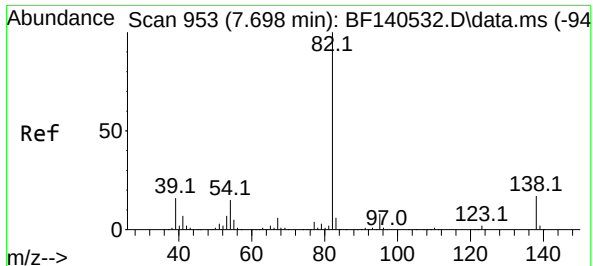
Ion Ratio Lower Upper

77 100

123 44.6 34.3 51.5

65 13.4 11.2 16.8





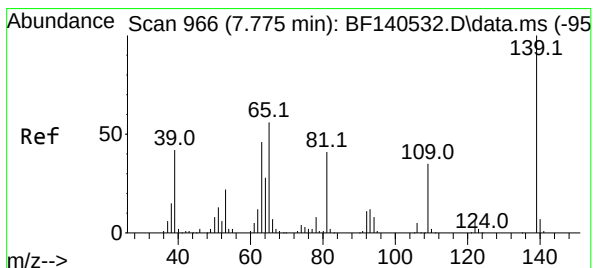
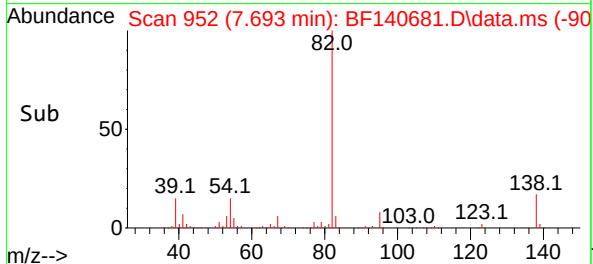
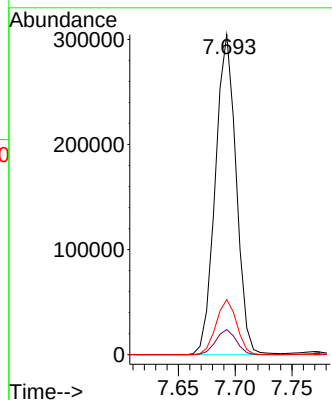
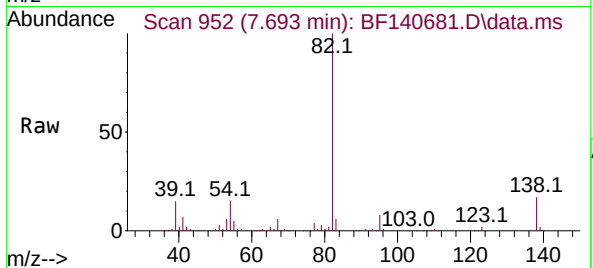
#25
Isophorone
Concen: 39.291 ng
RT: 7.693 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 38899
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.2 13.8 20.6

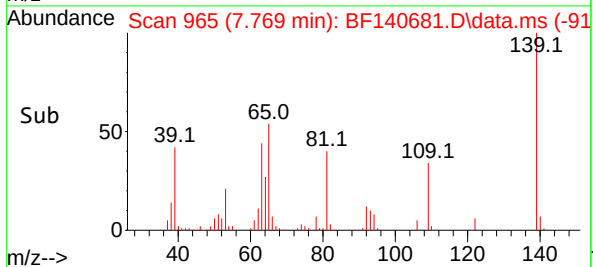
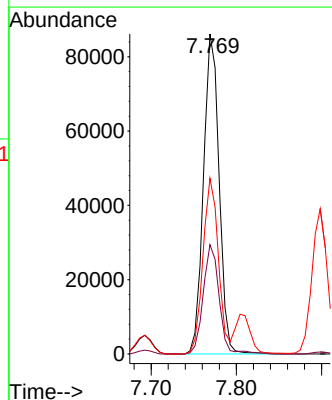
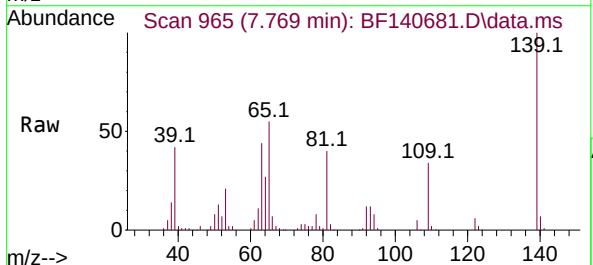
Manual Integrations
APPROVED

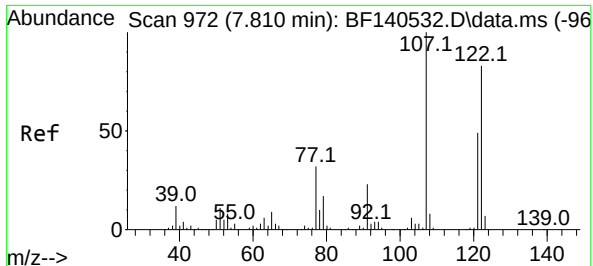
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#26
2-Nitrophenol
Concen: 40.392 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:139 Resp: 109812
Ion Ratio Lower Upper
139 100
109 34.2 28.0 42.0
65 54.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 42.539 ng m

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 138372

Ion Ratio Lower Upper

122 100

107 117.0 96.8 145.2

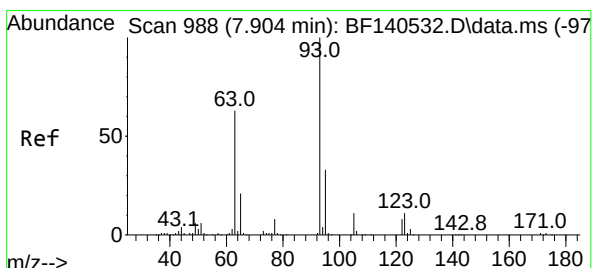
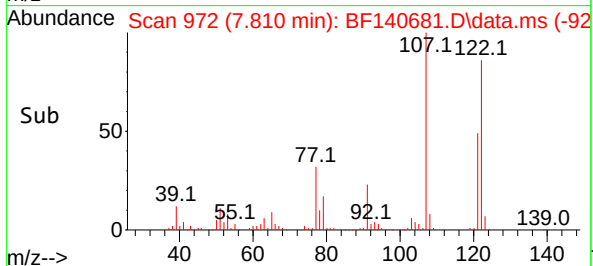
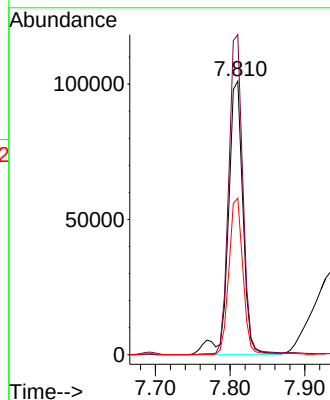
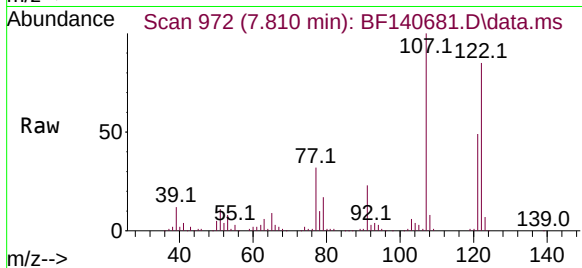
121 57.3 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#28

bis(2-Chloroethoxy)methane

Concen: 38.982 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

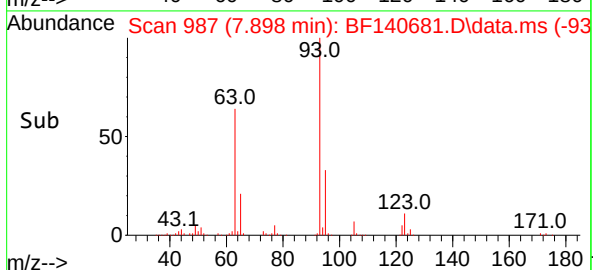
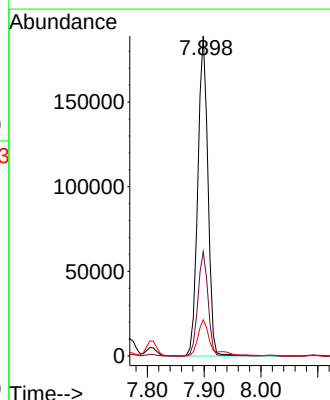
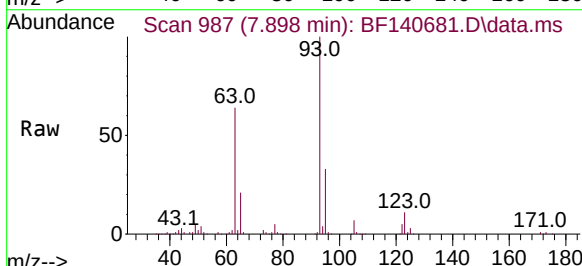
Tgt Ion: 93 Resp: 235112

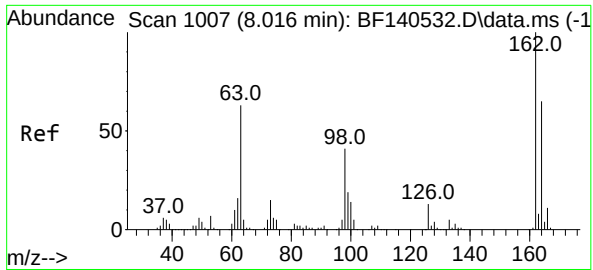
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 11.3 9.1 13.7





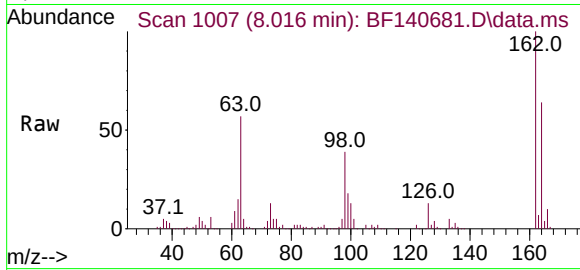
#29
2,4-Dichlorophenol
Concen: 40.122 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



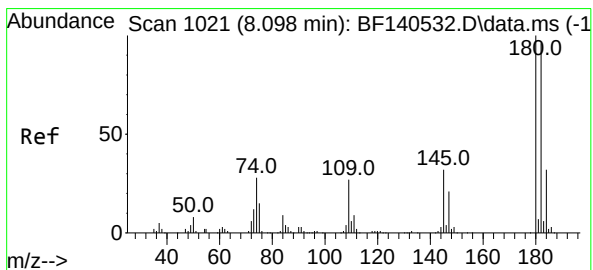
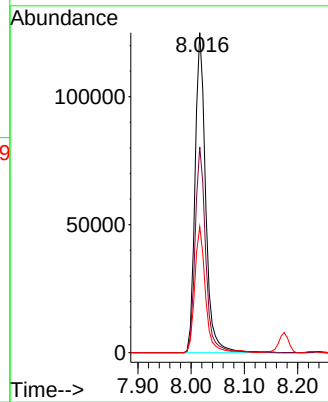
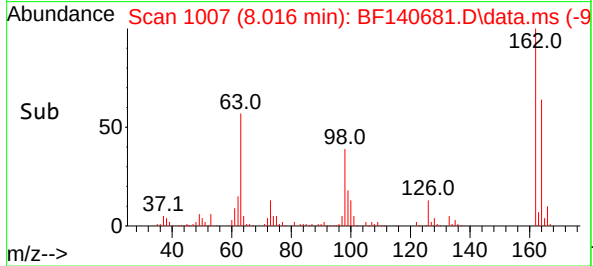
Tgt Ion:162 Resp: 172933
Ion Ratio Lower Upper
162 100
164 64.3 44.8 84.8
98 39.3 21.2 61.2

Manual Integrations

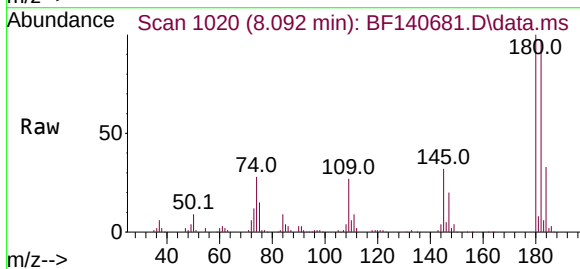
APPROVED

Reviewed By :Yogesh Patel 12/03/2024

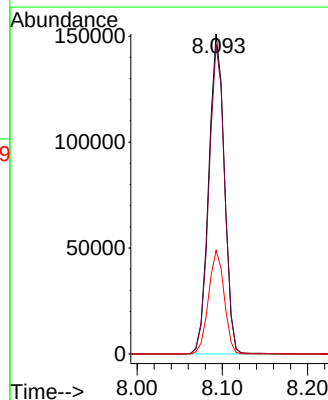
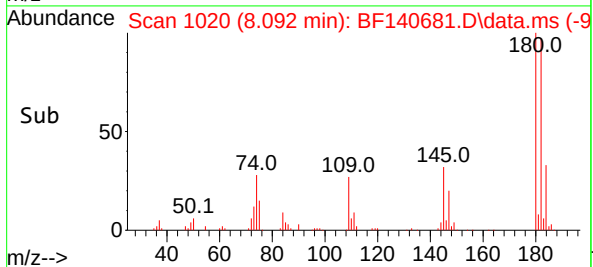
Supervised By :mohammad ahmed 12/05/2024

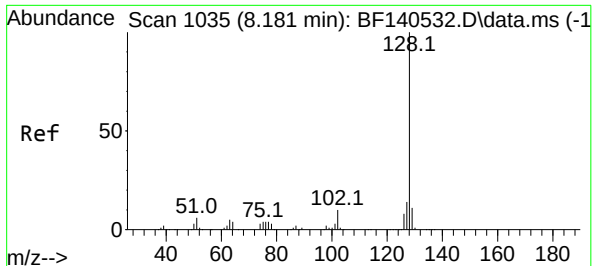


#30
1,2,4-Trichlorobenzene
Concen: 39.084 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion:180 Resp: 192346
Ion Ratio Lower Upper
180 100
182 96.7 76.4 114.6
145 32.4 25.9 38.9





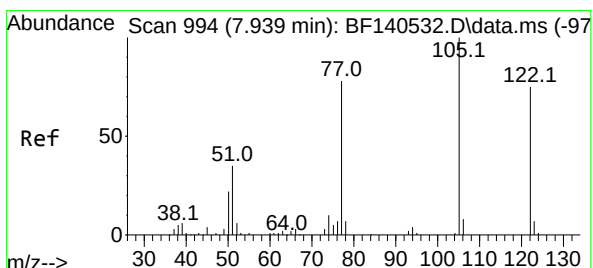
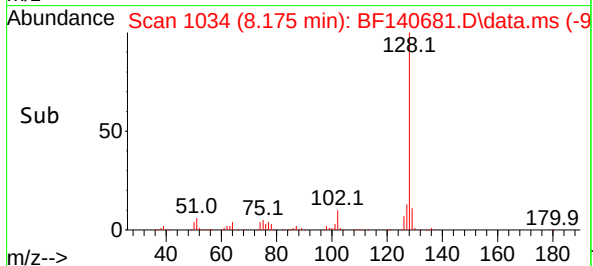
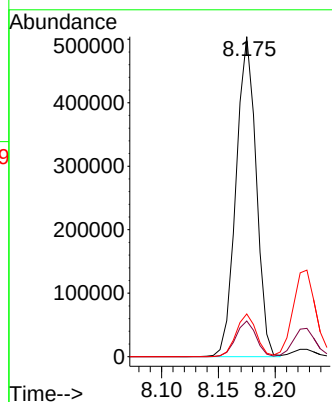
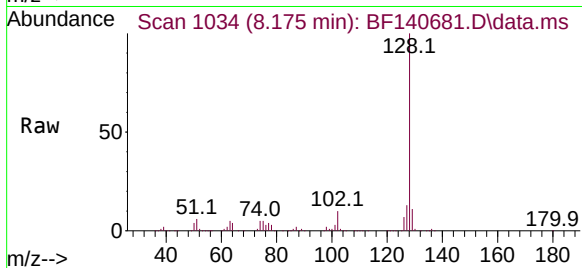
#31
Naphthalene
Concen: 39.627 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 61971
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.4 10.8 16.2

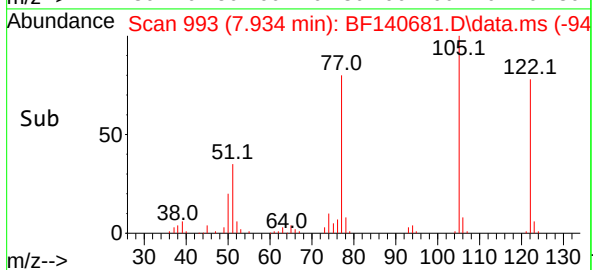
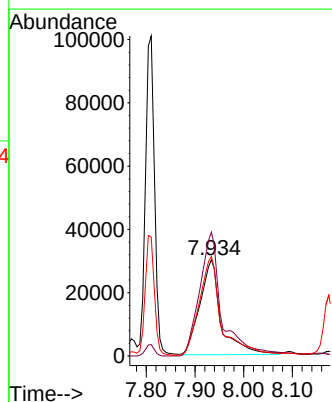
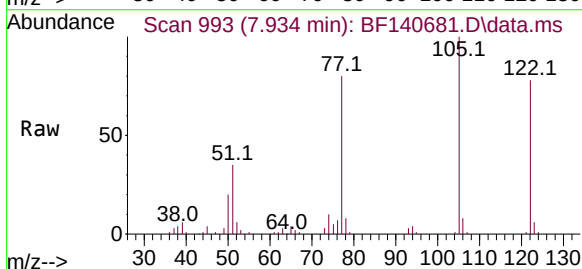
Manual Integrations
APPROVED

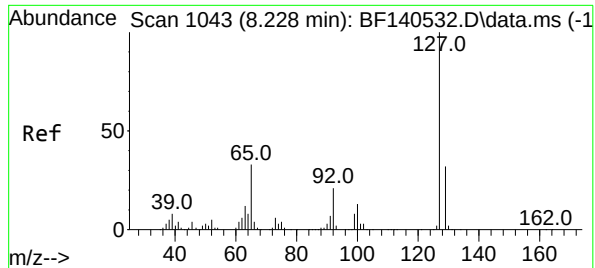
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#32
Benzoic acid
Concen: 34.616 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.005 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:122 Resp: 91308
Ion Ratio Lower Upper
122 100
105 128.7 109.3 149.3
77 103.5 82.3 122.3





#33

4-Chloroaniline

Concen: 42.251 ng

RT: 8.228 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 19783

Ion Ratio Lower Upper

127 100

129 32.8 26.0 39.0

65 30.9 26.0 39.0

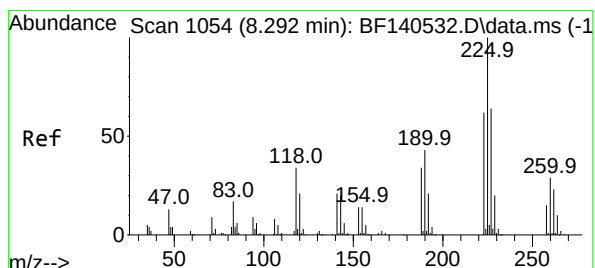
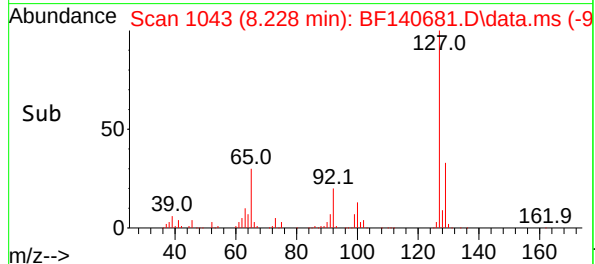
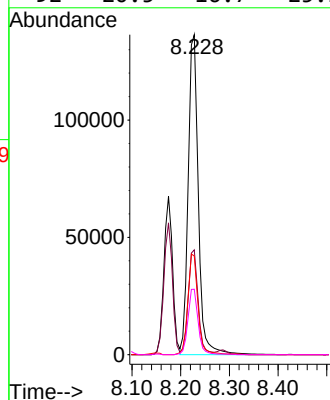
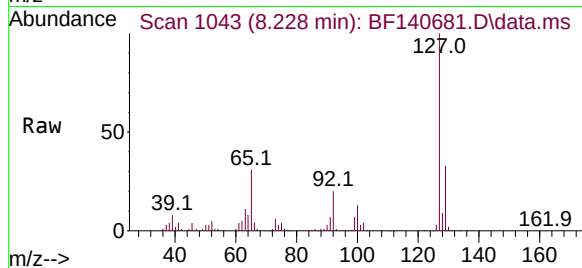
92 20.5 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#34

Hexachlorobutadiene

Concen: 39.335 ng

RT: 8.287 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

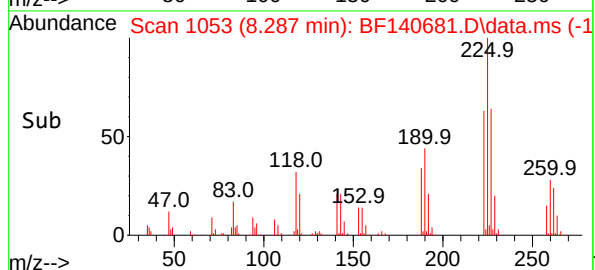
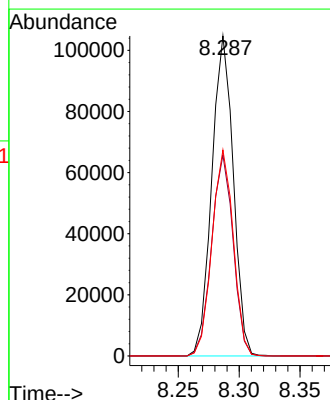
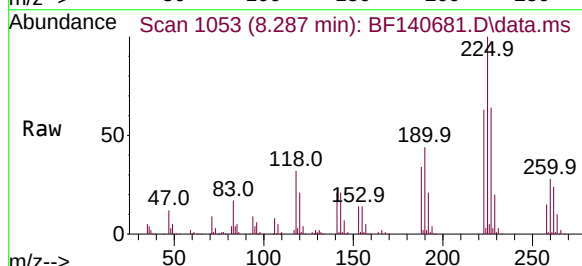
Tgt Ion:225 Resp: 128217

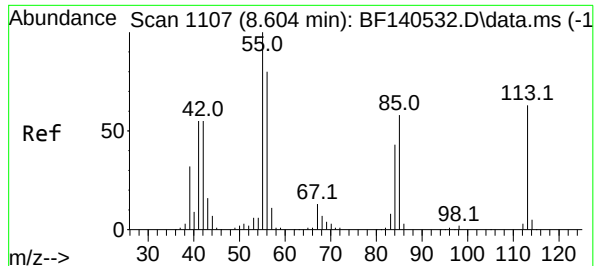
Ion Ratio Lower Upper

225 100

223 62.8 49.8 74.8

227 64.3 51.3 76.9





#35

Caprolactam

Concen: 40.334 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 5380

Ion Ratio Lower Upper

113 100

55 159.0 137.7 177.7

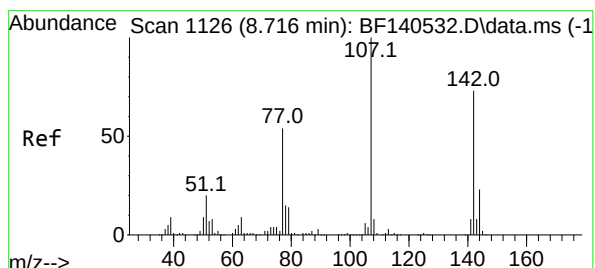
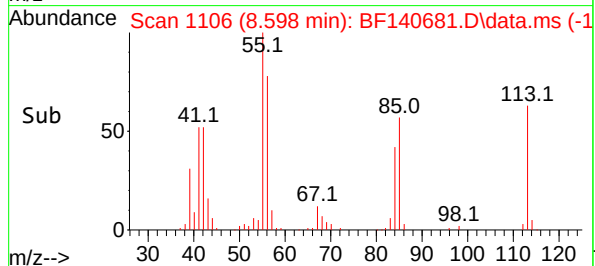
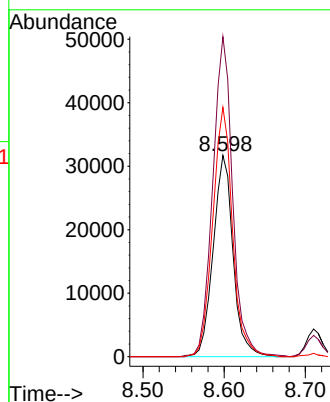
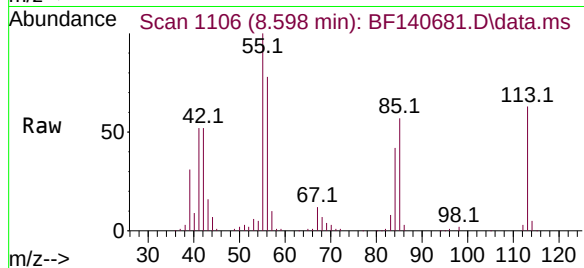
56 123.9 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#36

4-Chloro-3-methylphenol

Concen: 39.440 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

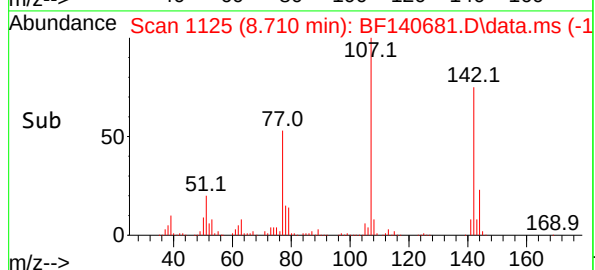
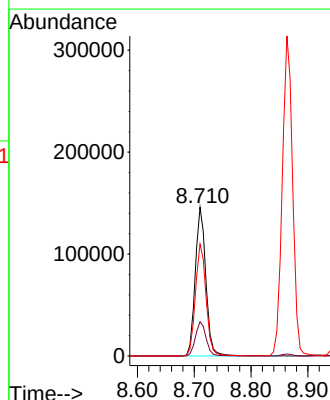
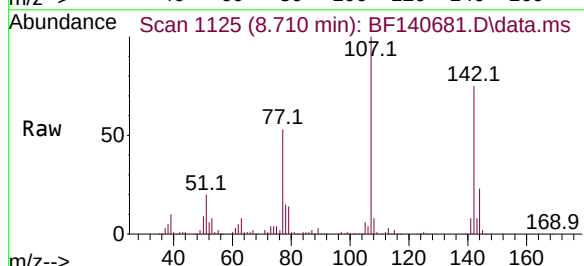
Tgt Ion:107 Resp: 190334

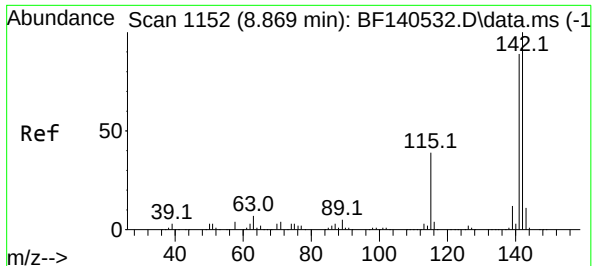
Ion Ratio Lower Upper

107 100

144 23.1 18.7 28.1

142 75.3 58.3 87.5





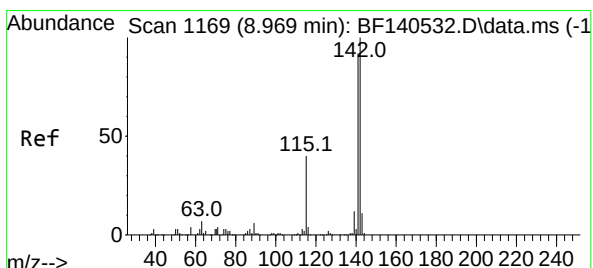
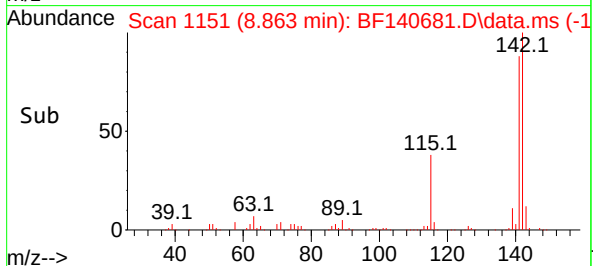
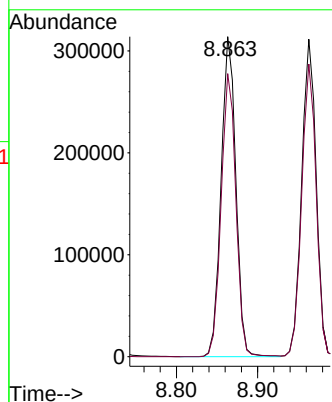
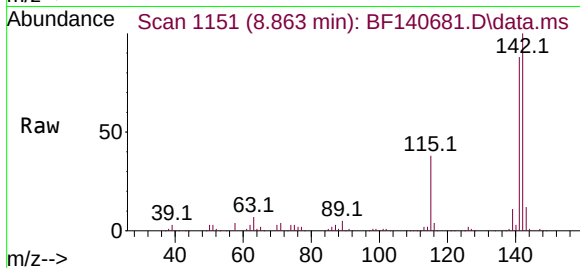
#37
2-Methylnaphthalene
Concen: 40.053 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 39785
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.6

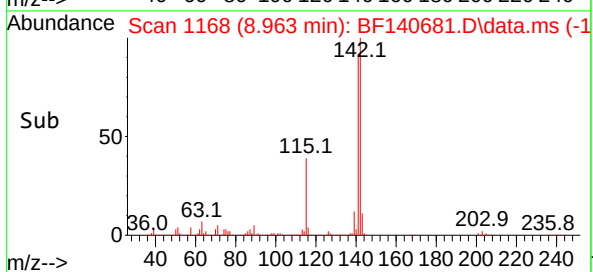
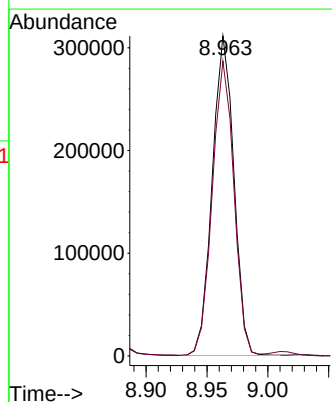
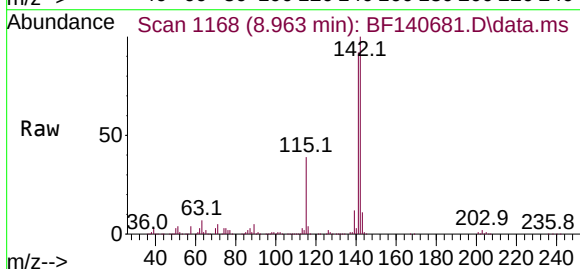
Manual Integrations
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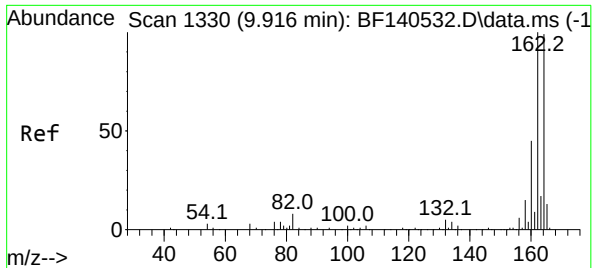
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#38
1-Methylnaphthalene
Concen: 39.495 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:142 Resp: 384537
Ion Ratio Lower Upper
142 100
141 92.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140681.D

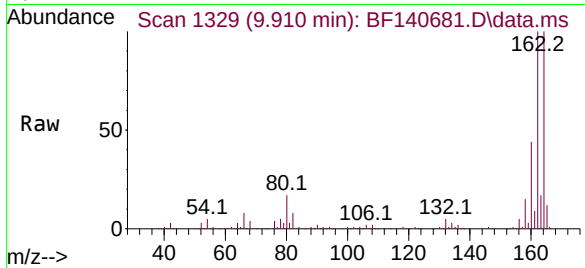
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 170338

Ion Ratio Lower Upper

164 100

162 100.4 80.6 120.8

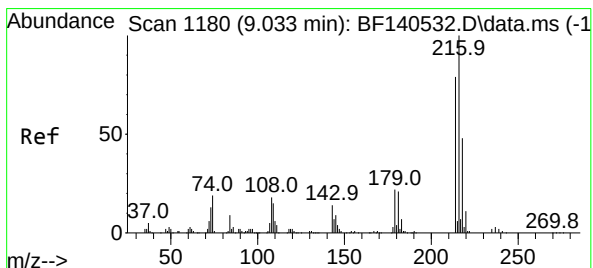
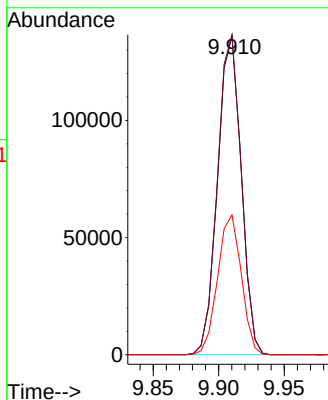
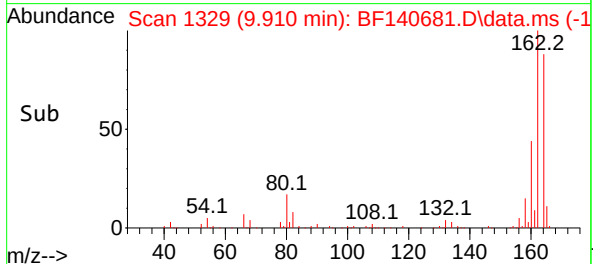
160 43.9 36.2 54.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

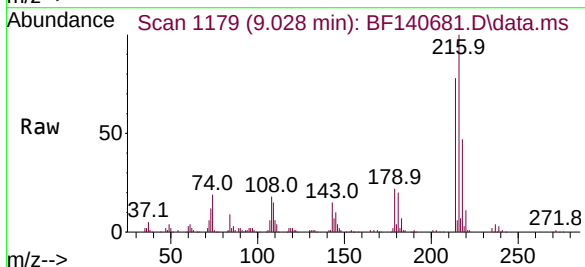
Concen: 39.254 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22



Tgt Ion:216 Resp: 195747

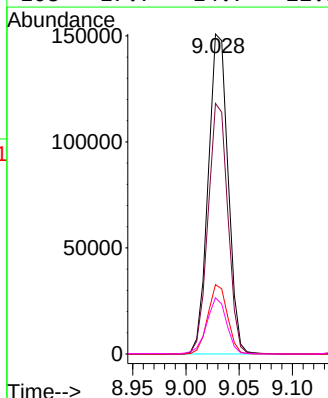
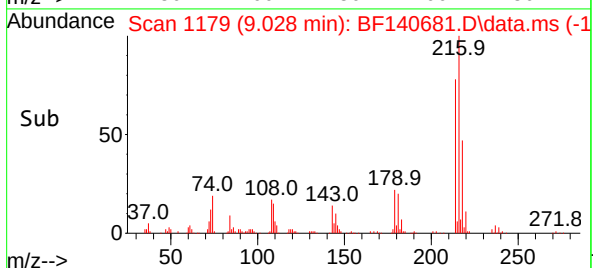
Ion Ratio Lower Upper

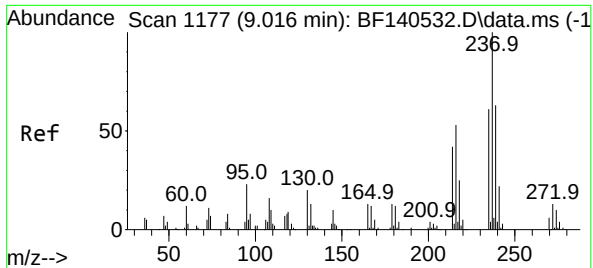
216 100

214 78.0 63.0 94.4

179 21.3 17.5 26.3

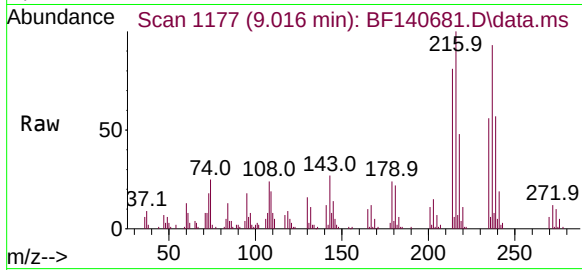
108 17.7 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 39.441 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

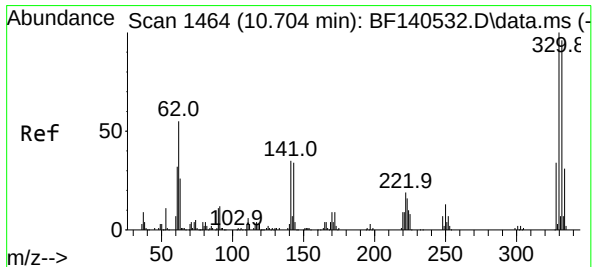
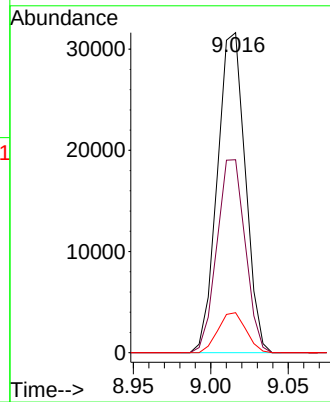
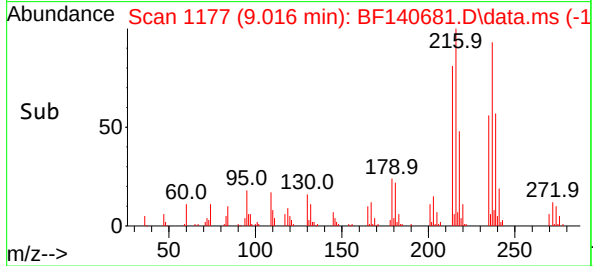
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



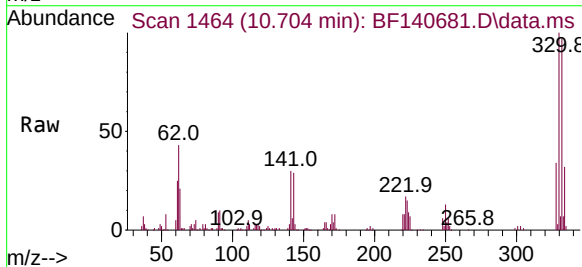
Tgt Ion: 237 Resp: 39649
Ion Ratio Lower Upper
237 100
235 60.3 41.1 81.1
272 12.5 0.0 32.6

Manual Integrations
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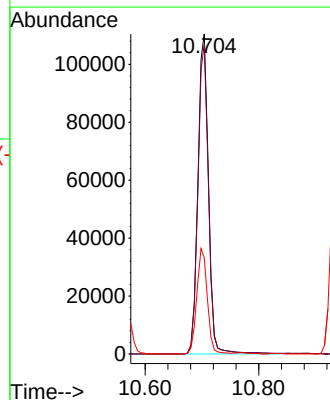
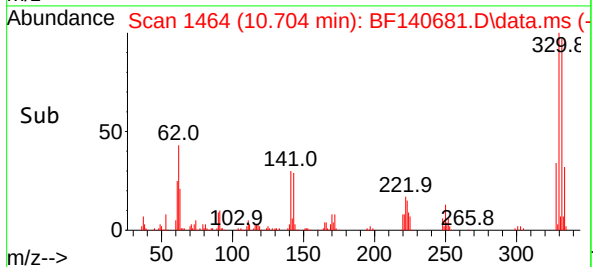
Reviewed By : Yogesh Patel 12/03/2024
Supervised By : mohammad ahmed 12/05/2024

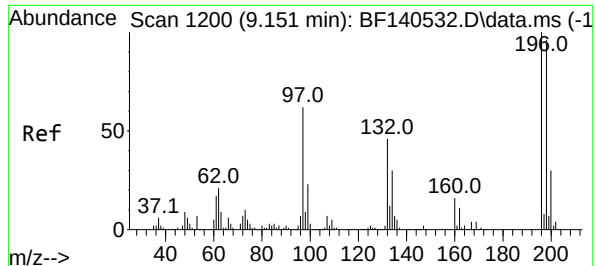


#42
2,4,6-Tribromophenol
Concen: 78.824 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion: 330 Resp: 143600
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 32.8 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 38.903 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 121729

Ion Ratio Lower Upper

196 100

198 95.3 76.8 115.2

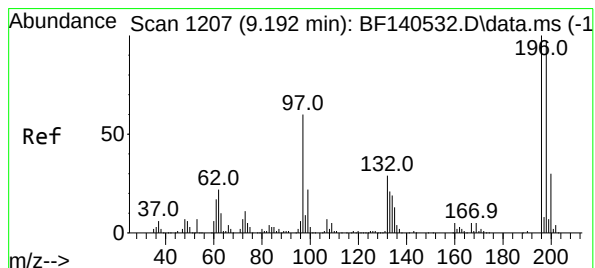
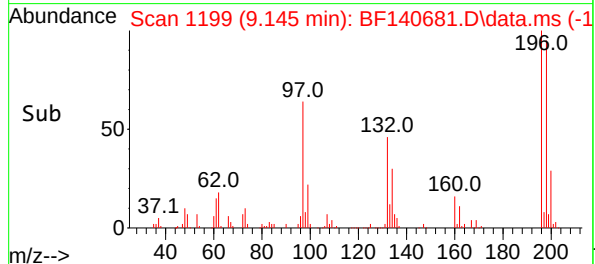
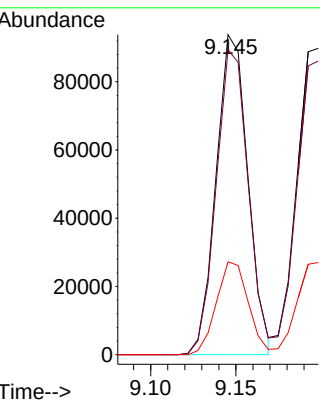
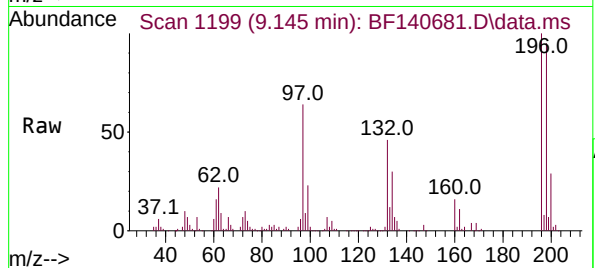
200 29.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#44

2,4,5-Trichlorophenol

Concen: 39.418 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Tgt Ion:196 Resp: 133861

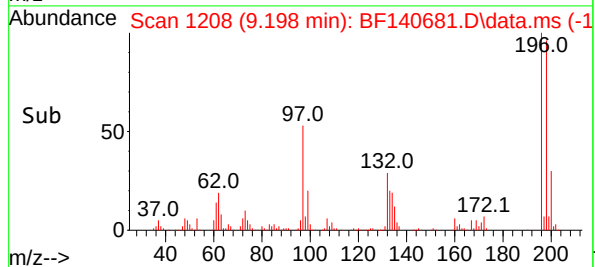
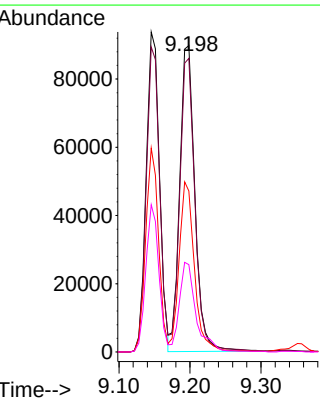
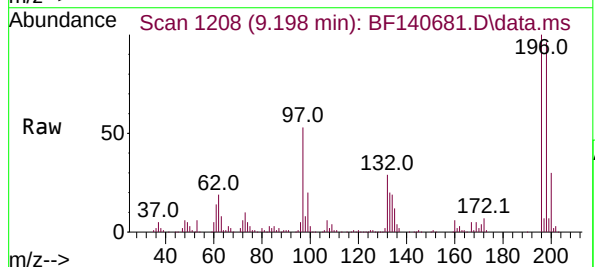
Ion Ratio Lower Upper

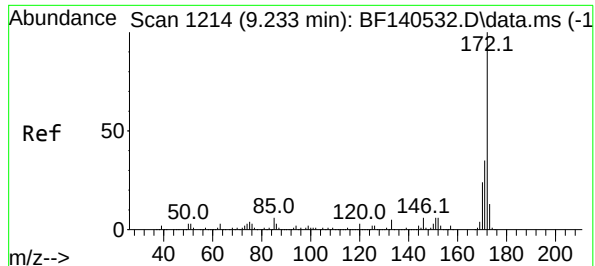
196 100

198 95.8 77.2 115.8

97 52.5 47.1 70.7

132 28.5 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 77.648 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 88771

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

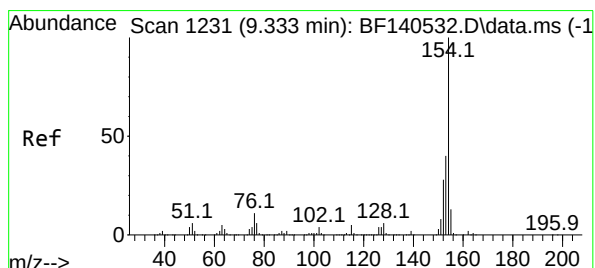
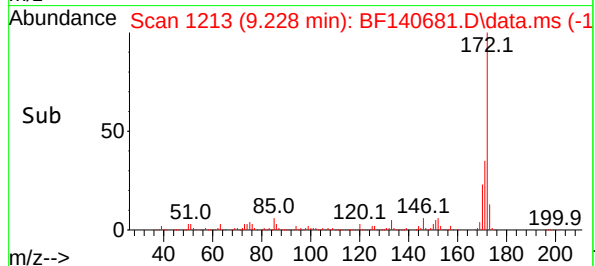
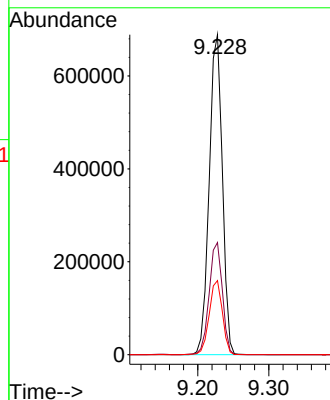
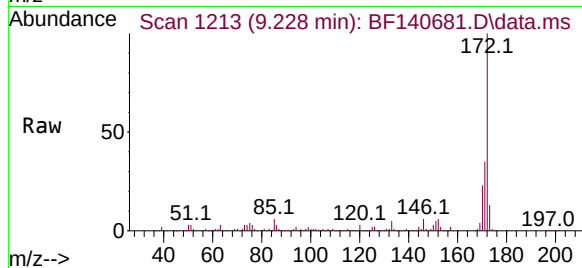
170 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#46

1,1'-Biphenyl

Concen: 39.480 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

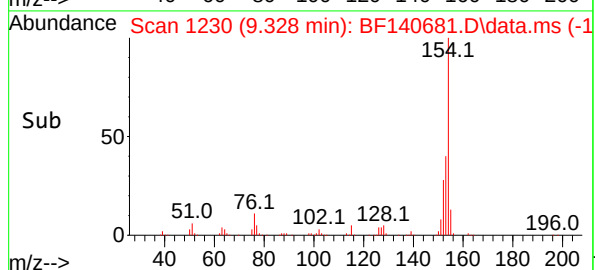
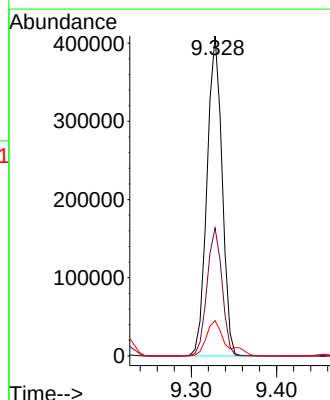
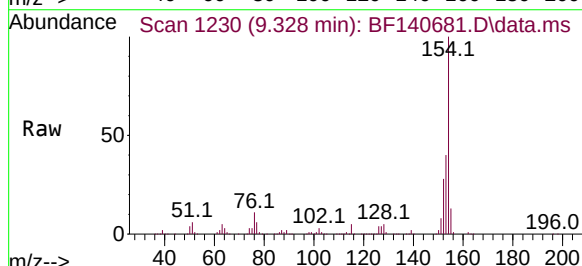
Tgt Ion:154 Resp: 502088

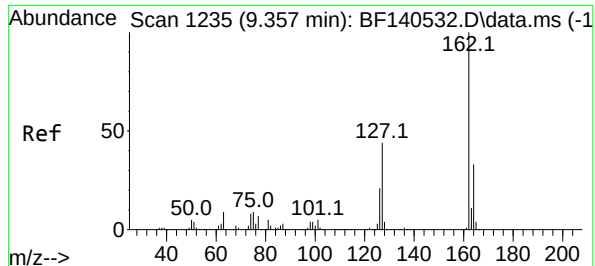
Ion Ratio Lower Upper

154 100

153 40.0 20.4 60.4

76 11.1 0.0 31.2





#47

2-Chloronaphthalene

Concen: 39.690 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 38247

Ion Ratio Lower Upper

162 100

127 42.9 35.7 53.5

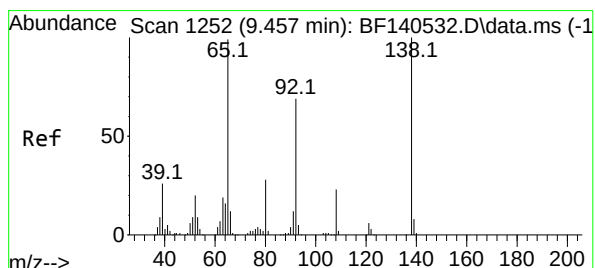
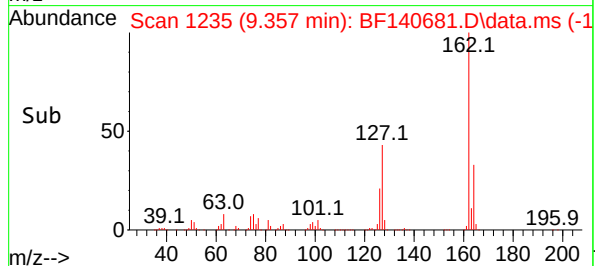
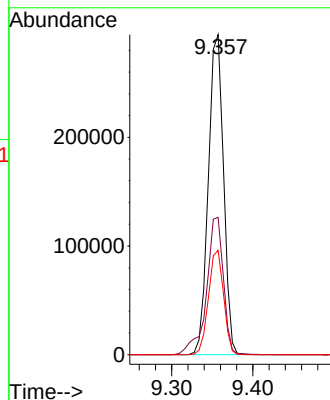
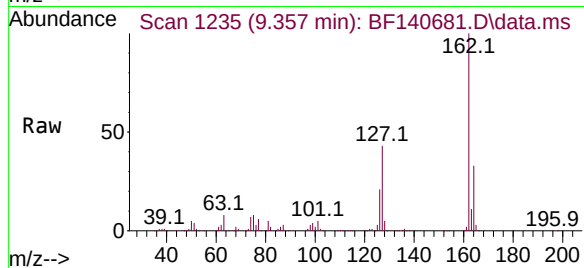
164 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#48

2-Nitroaniline

Concen: 39.310 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

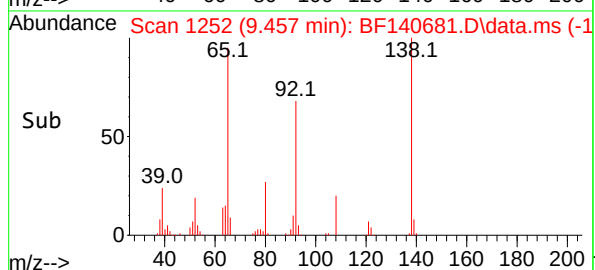
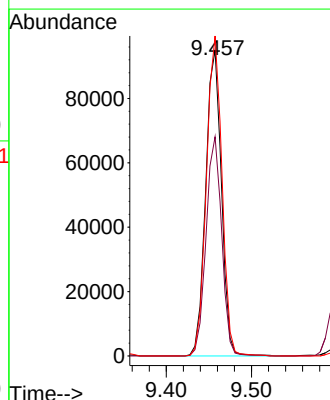
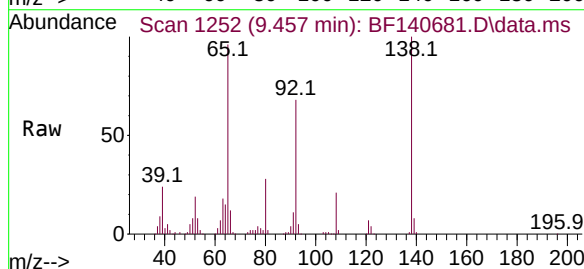
Tgt Ion: 65 Resp: 121591

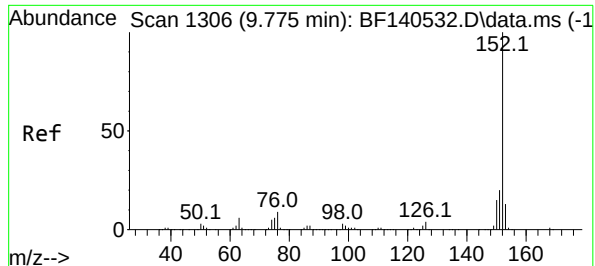
Ion Ratio Lower Upper

65 100

92 71.7 56.1 84.1

138 104.6 81.0 121.6





#49

Acenaphthylene

Concen: 39.157 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 570128

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

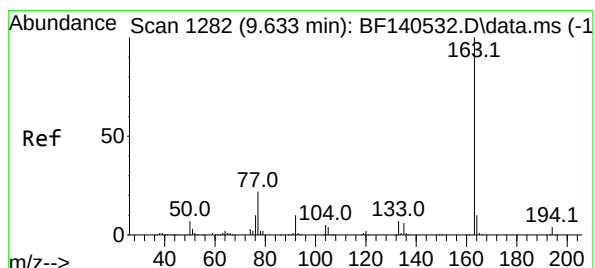
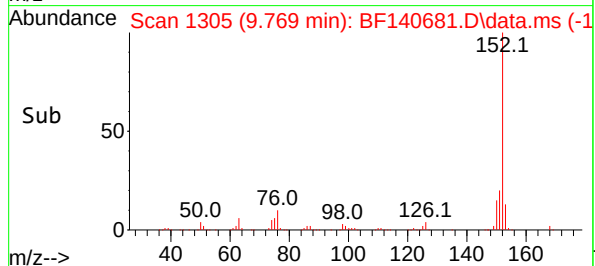
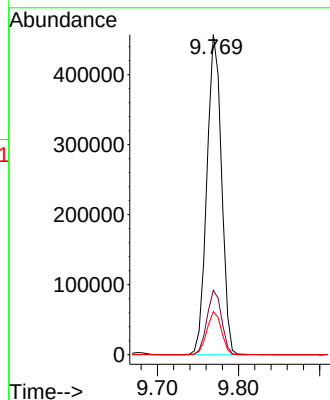
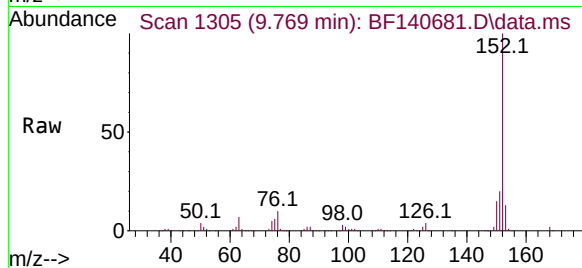
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#50

Dimethylphthalate

Concen: 38.837 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

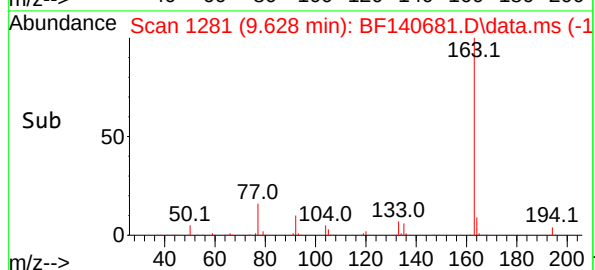
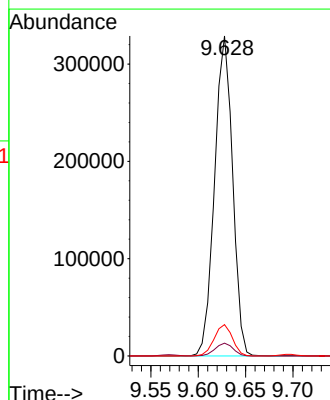
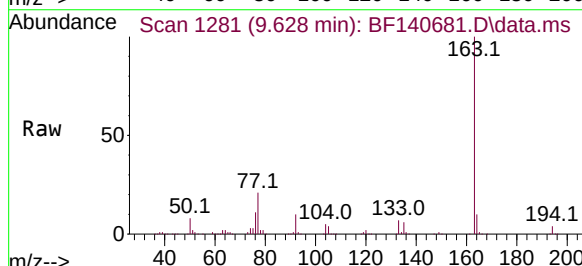
Tgt Ion:163 Resp: 435690

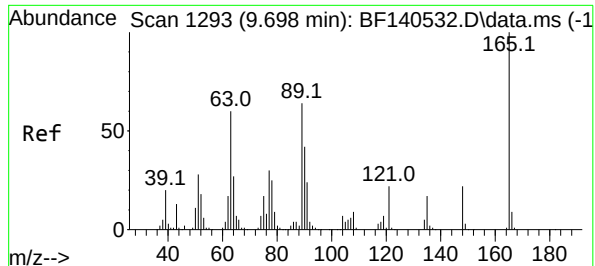
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.8 8.2 12.2





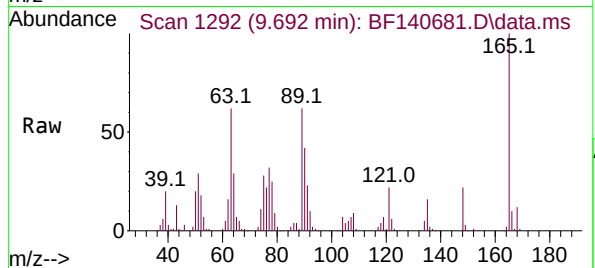
#51
2,6-Dinitrotoluene
Concen: 39.791 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

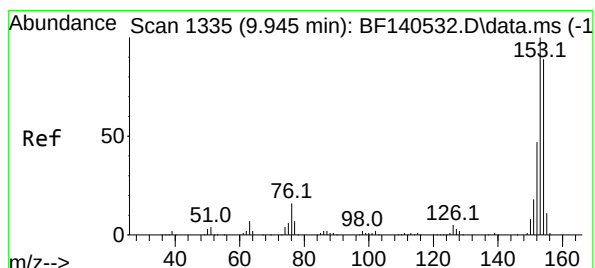
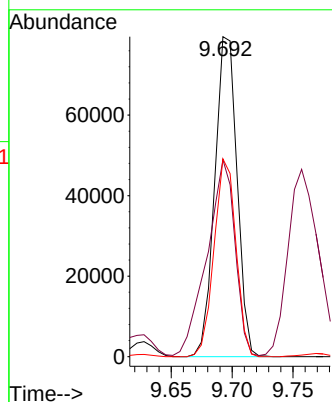
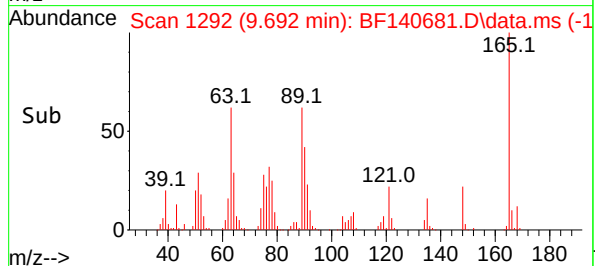


Tgt Ion:165 Resp: 101239
Ion Ratio Lower Upper
165 100
63 61.5 49.9 74.9
89 61.8 50.9 76.3

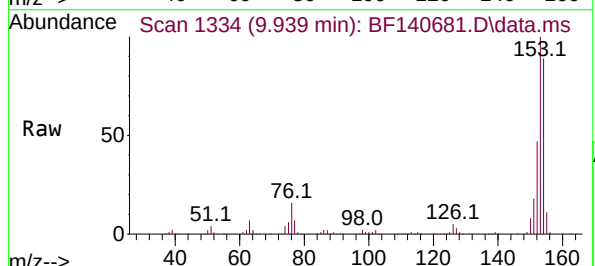
Manual Integrations

APPROVED

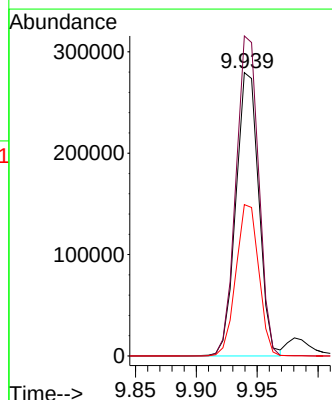
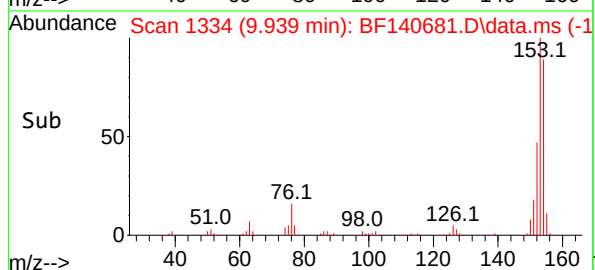
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

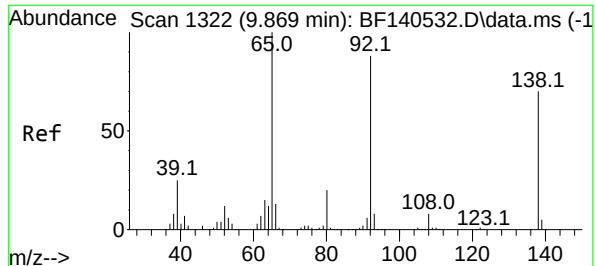


#52
Acenaphthene
Concen: 39.516 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion:154 Resp: 365569
Ion Ratio Lower Upper
154 100
153 112.9 89.7 134.5
152 53.4 42.5 63.7





#53

3-Nitroaniline

Concen: 40.697 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 10127

Ion Ratio Lower Upper

138 100

108 10.8 9.2 13.8

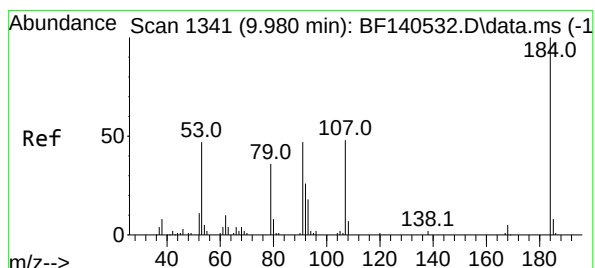
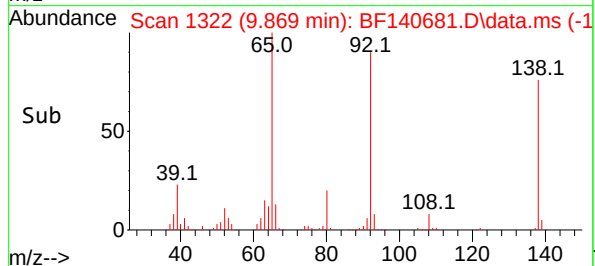
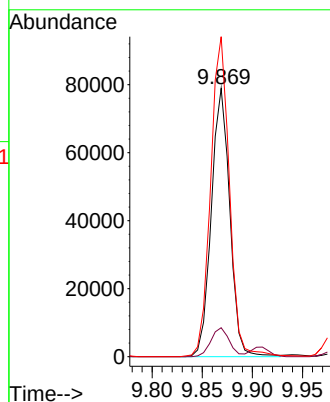
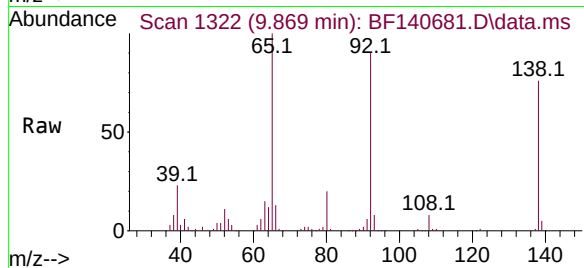
92 119.3 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#54

2,4-Dinitrophenol

Concen: 35.042 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.001 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

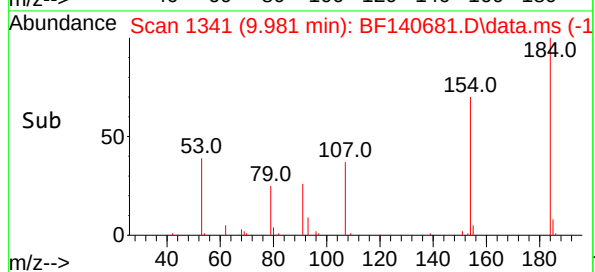
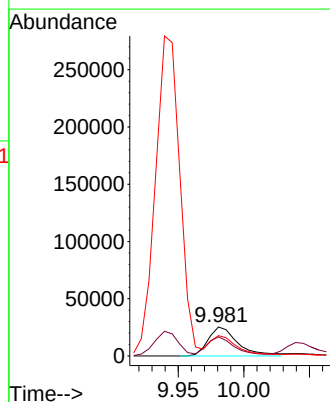
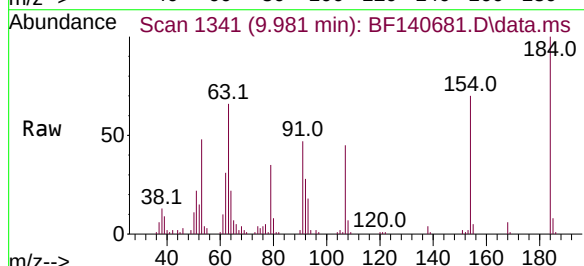
Tgt Ion:184 Resp: 39753

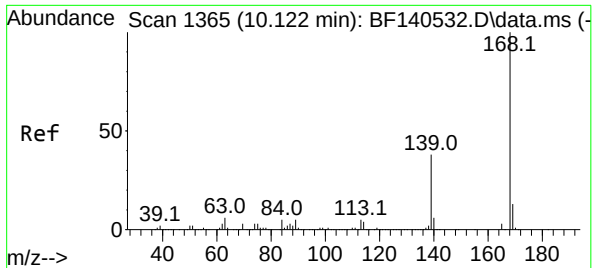
Ion Ratio Lower Upper

184 100

63 65.7 54.1 81.1

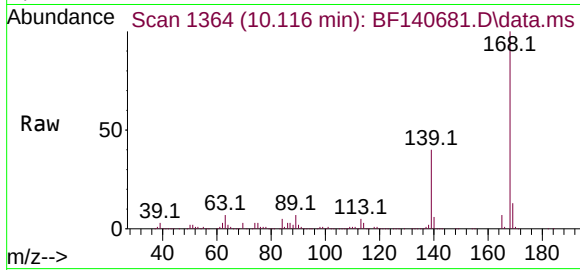
154 70.4 57.4 86.0





#55
Dibenzenofuran
Concen: 39.170 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

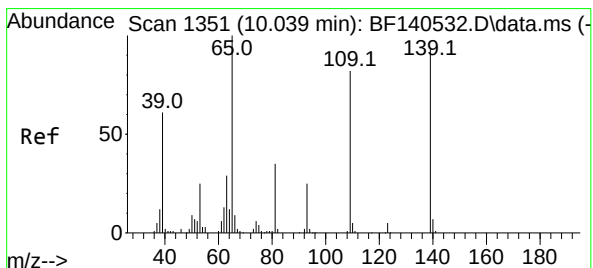
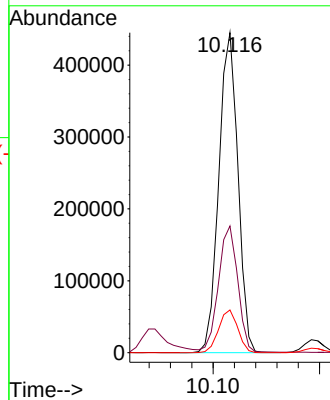
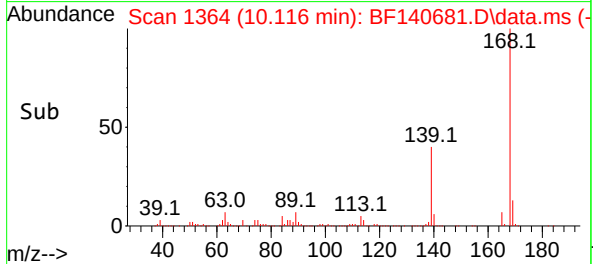
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 552732
Ion Ratio Lower Upper
168 100
139 39.6 31.3 46.9
169 13.3 10.5 15.7

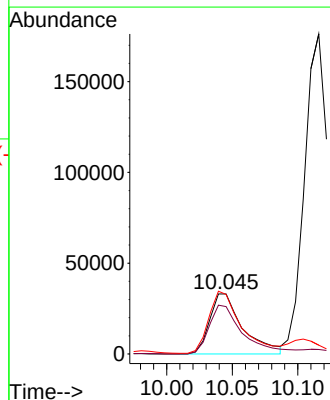
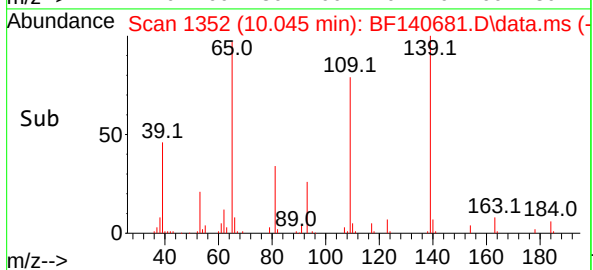
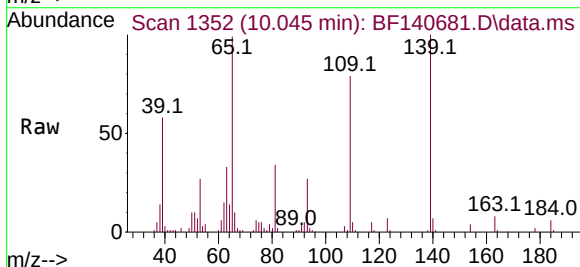
Manual Integrations
APPROVED

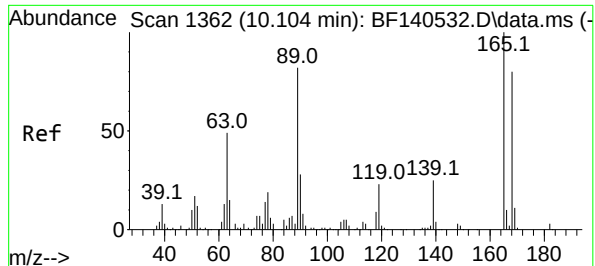
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#56
4-Nitrophenol
Concen: 34.381 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:139 Resp: 58348
Ion Ratio Lower Upper
139 100
109 78.8 68.4 108.4
65 99.2 88.6 128.6





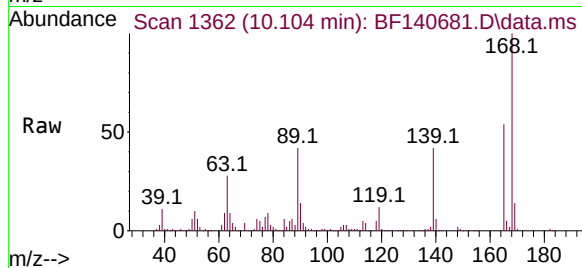
#57
2,4-Dinitrotoluene
Concen: 40.854 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

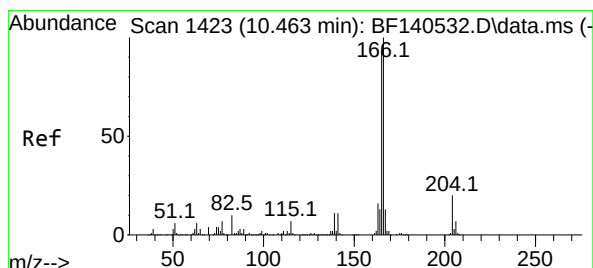
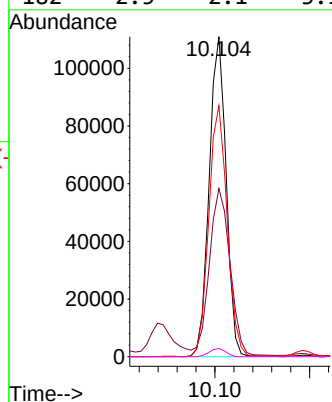
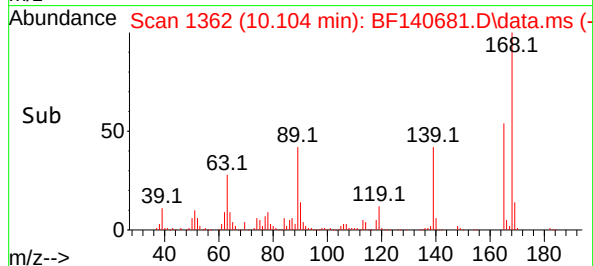


Tgt Ion:165 Resp: 138145
Ion Ratio Lower Upper
165 100
63 52.5 41.7 62.5
89 78.4 65.8 98.8
182 2.5 2.1 3.1

Manual Integrations

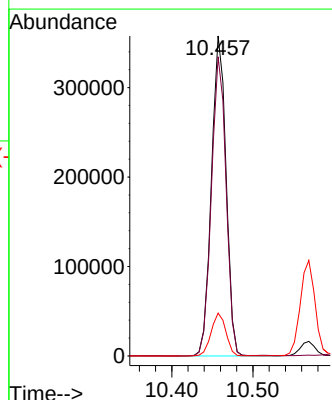
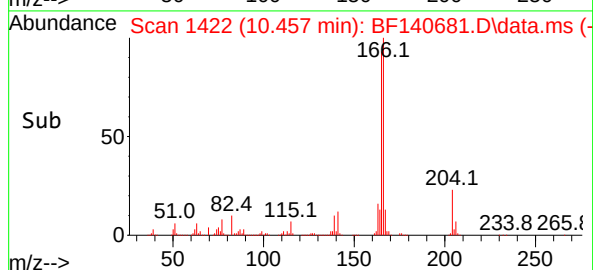
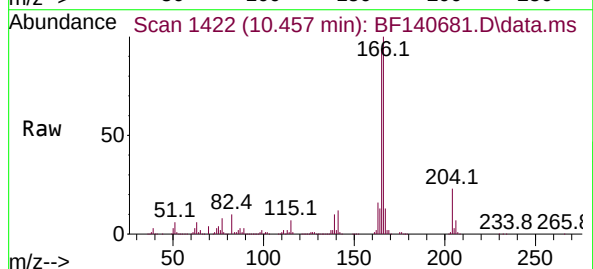
APPROVED

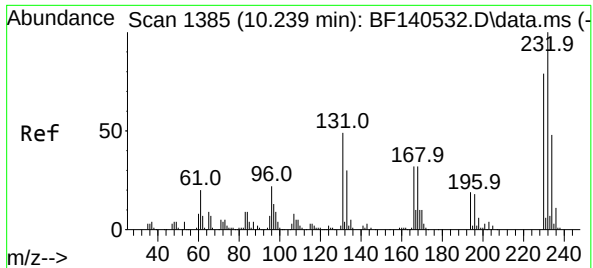
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#58
Fluorene
Concen: 39.467 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

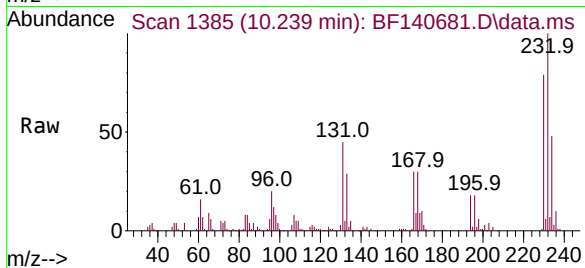
Tgt Ion:166 Resp: 447025
Ion Ratio Lower Upper
166 100
165 93.5 74.6 111.8
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.989 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

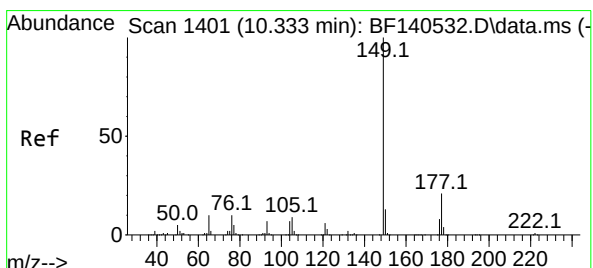
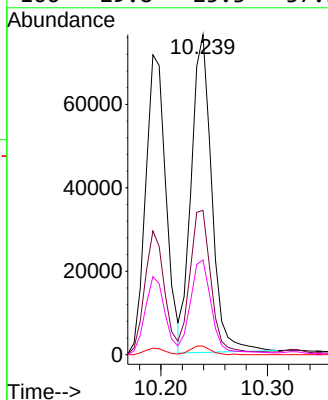
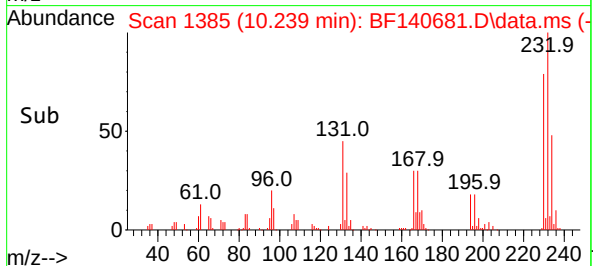
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 10175
Ion Ratio Lower Upper
232 100
131 47.5 39.6 59.4
130 2.8 1.9 2.9
166 29.8 25.3 37.9

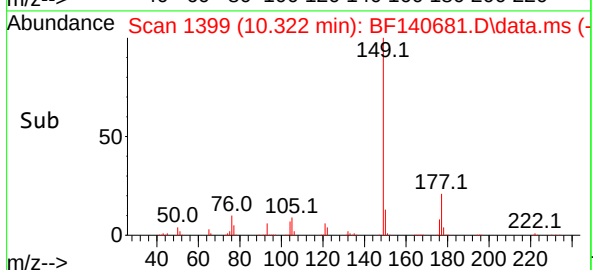
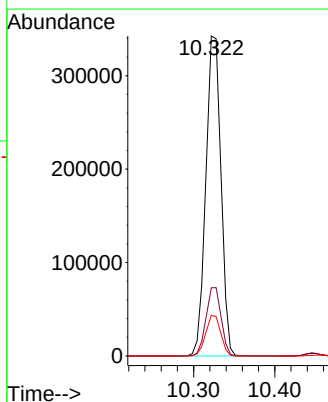
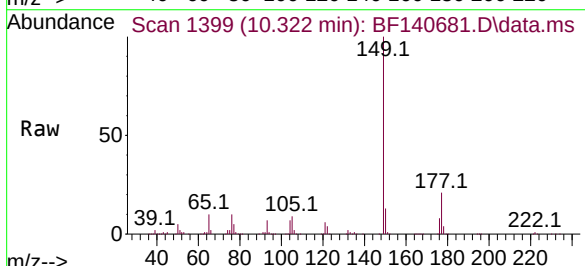
Manual Integrations
APPROVED

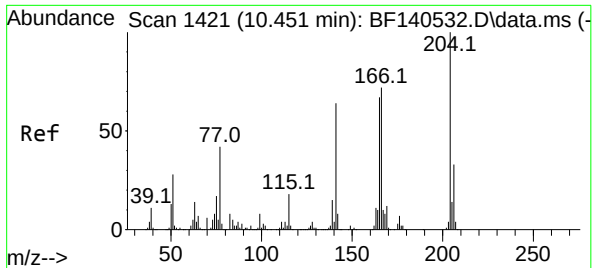
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#60
Diethylphthalate
Concen: 38.859 ng
RT: 10.322 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

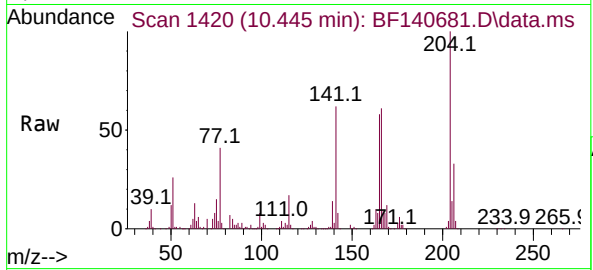
Tgt Ion:149 Resp: 442920
Ion Ratio Lower Upper
149 100
177 21.3 17.1 25.7
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.860 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

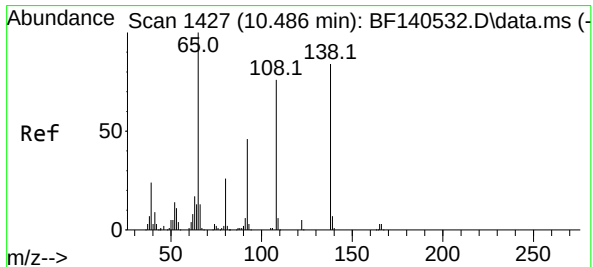
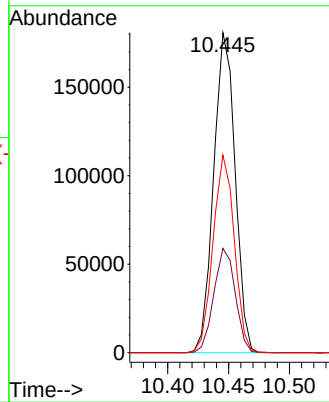
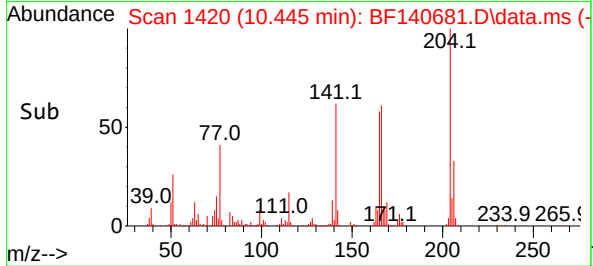
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 22156
Ion Ratio Lower Upper
204 100
206 32.6 26.6 40.0
141 61.8 51.1 76.7

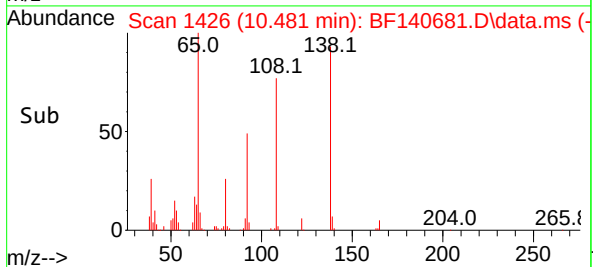
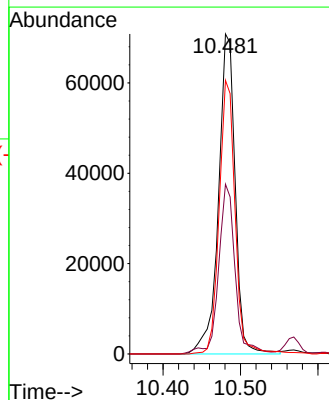
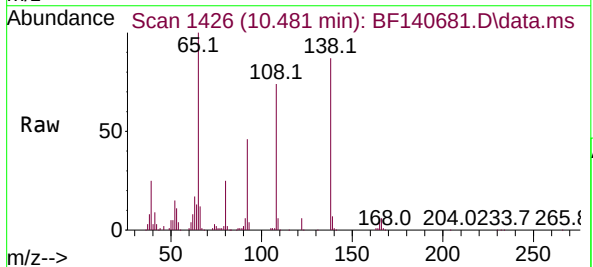
Manual Integrations
APPROVED

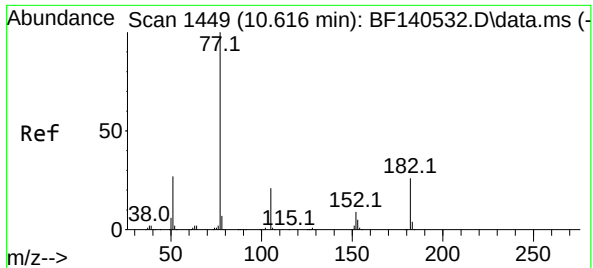
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#62
4-Nitroaniline
Concen: 40.706 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

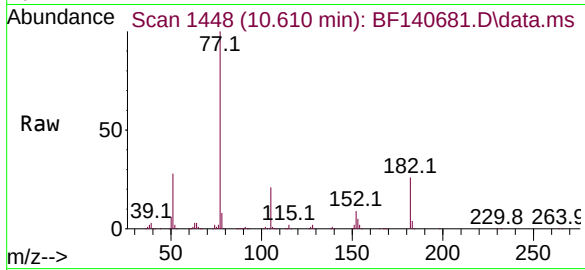
Tgt Ion:138 Resp: 106239
Ion Ratio Lower Upper
138 100
92 53.0 34.5 74.5
108 85.5 70.6 110.6





#63
Azobenzene
Concen: 39.095 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

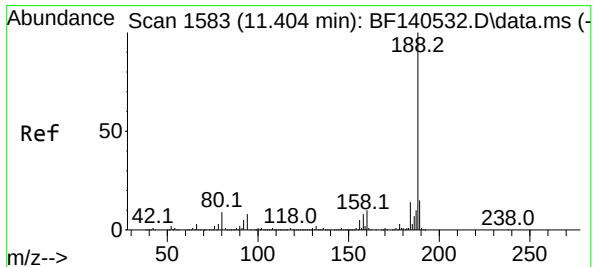
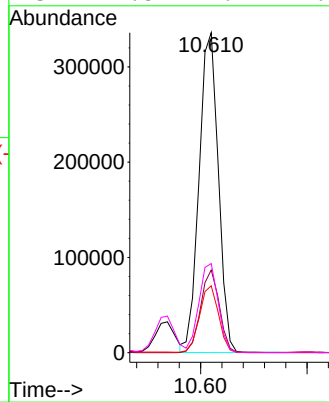
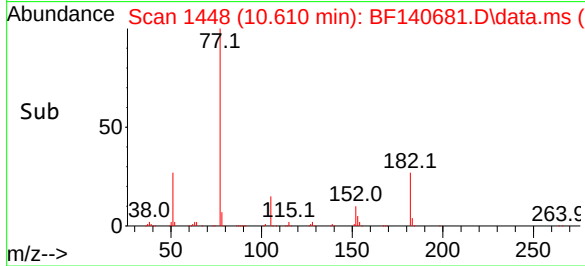
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



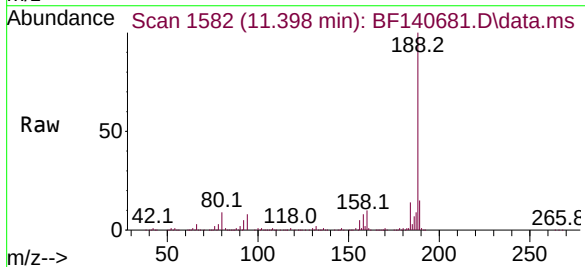
Tgt Ion: 77 Resp: 42199
Ion Ratio Lower Upper
77 100
182 25.8 5.3 45.3
105 20.9 0.3 40.3
51 27.8 9.4 49.4

Manual Integrations
APPROVED

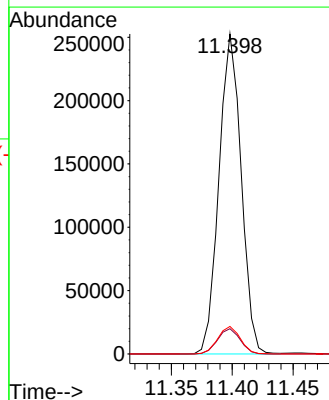
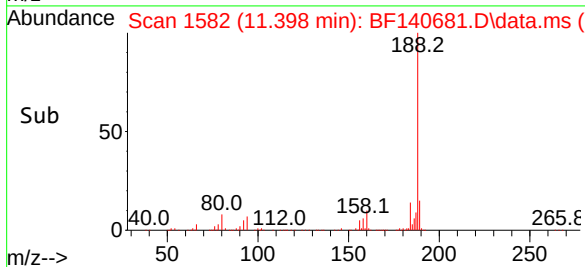
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

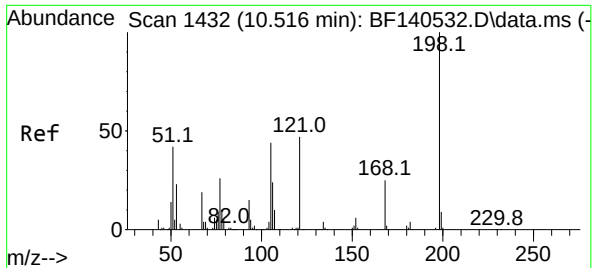


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion:188 Resp: 321182
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.6 6.9 10.3





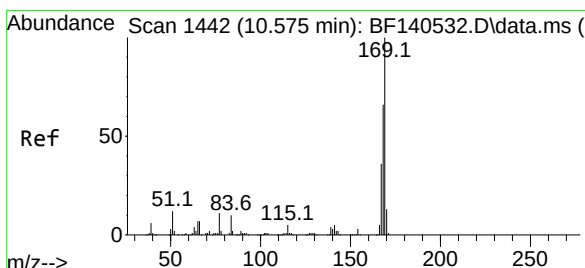
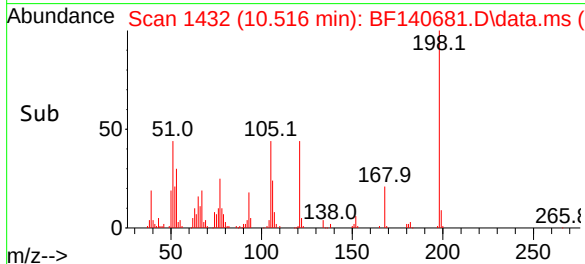
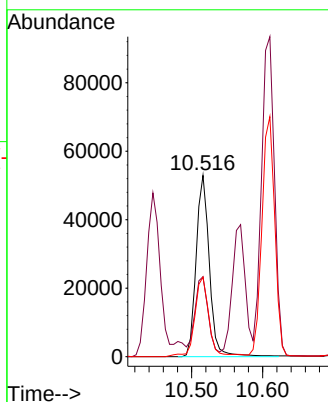
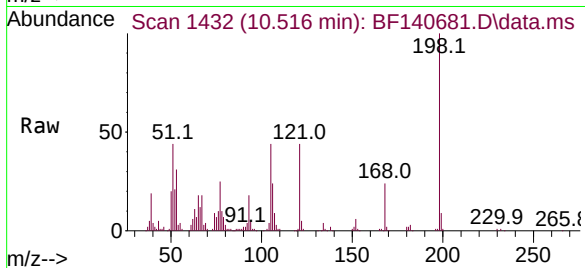
#65
4,6-Dinitro-2-methylphenol
Concen: 42.032 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 68980
Ion Ratio Lower Upper
198 100
51 44.1 29.4 69.4
105 43.8 25.4 65.4

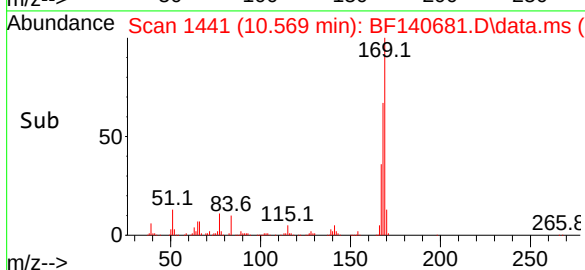
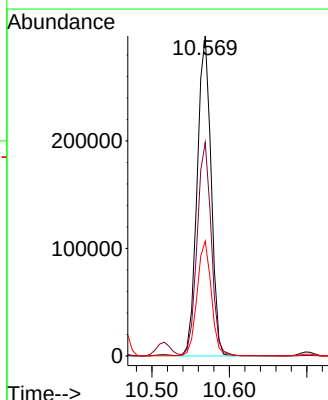
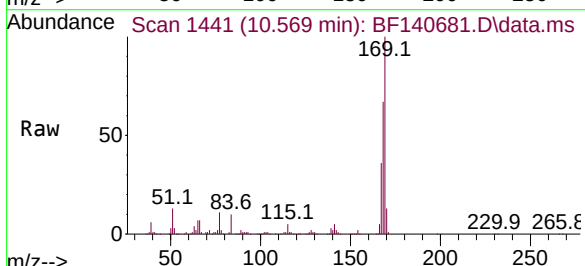
Manual Integrations
APPROVED

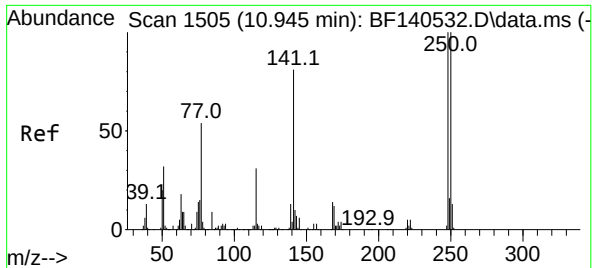
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#66
n-Nitrosodiphenylamine
Concen: 39.004 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

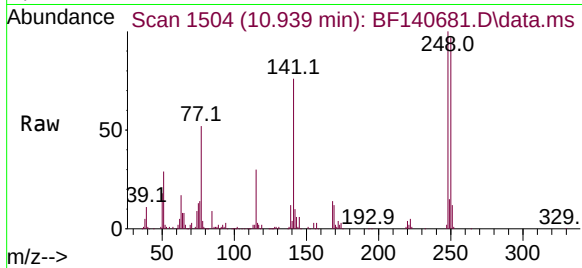
Tgt Ion:169 Resp: 370469
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 35.9 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 39.735 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

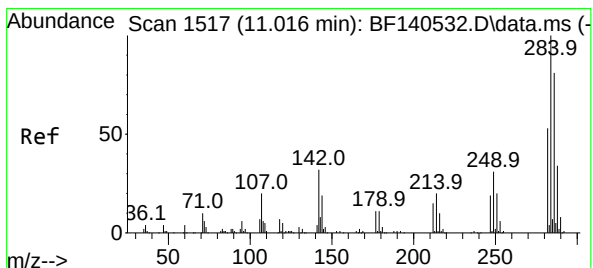
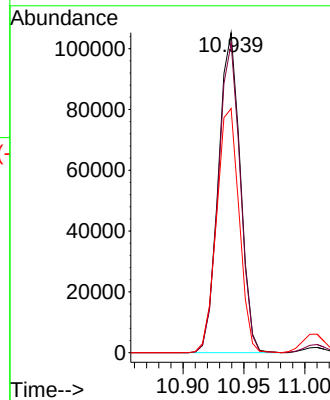
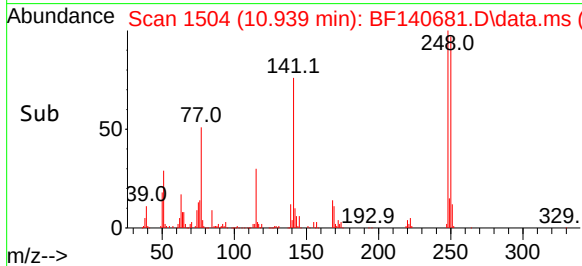
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 131430
Ion Ratio Lower Upper
248 100
250 96.7 79.8 119.8
141 76.3 64.7 97.1

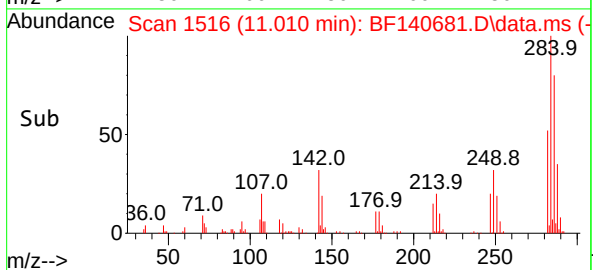
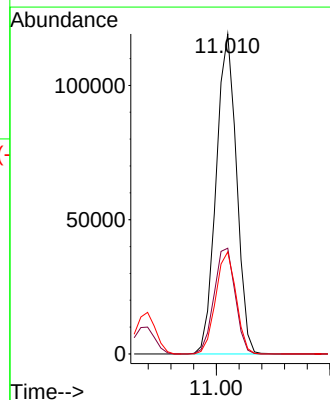
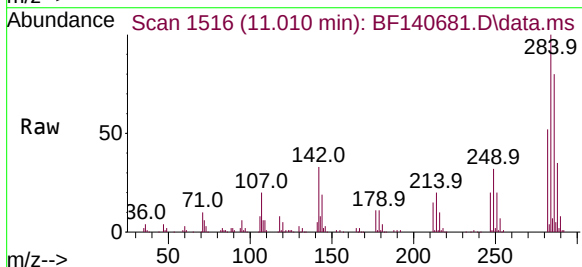
Manual Integrations
APPROVED

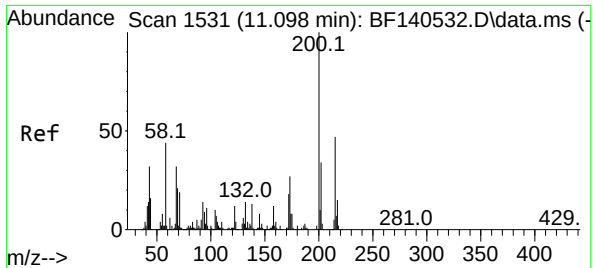
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#68
Hexachlorobenzene
Concen: 38.740 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:284 Resp: 148373
Ion Ratio Lower Upper
284 100
142 33.1 25.3 37.9
249 31.9 24.8 37.2





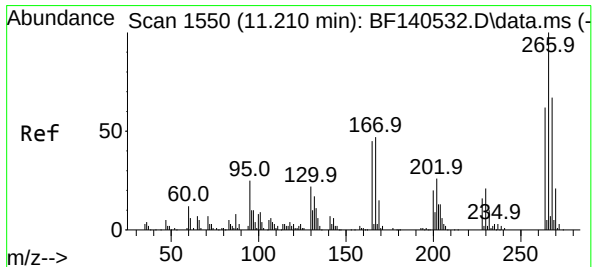
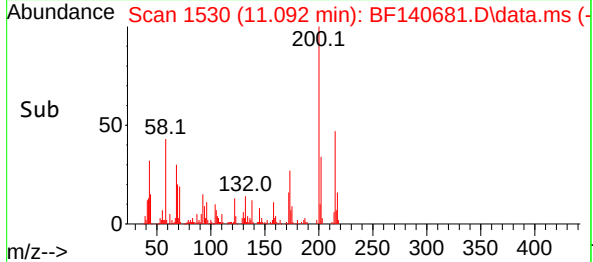
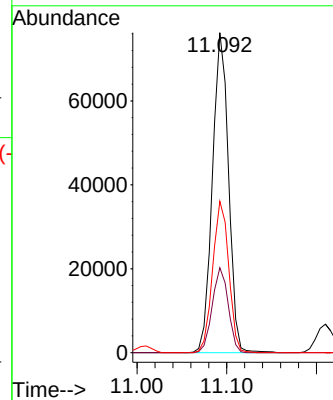
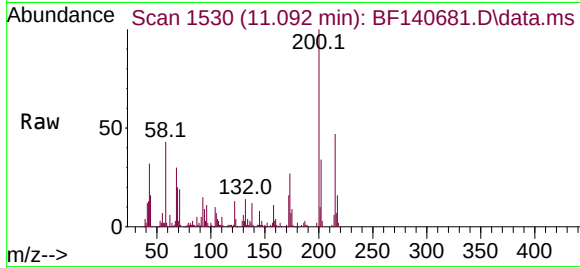
#69
Atrazine
Concen: 35.580 ng
RT: 11.092 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 9507
Ion Ratio Lower Upper
200 100
173 26.5 7.0 47.0
215 47.3 26.7 66.7

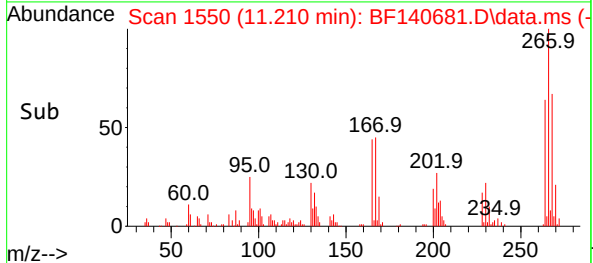
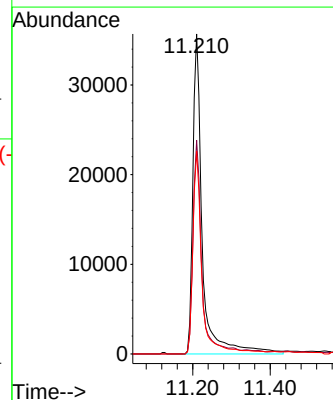
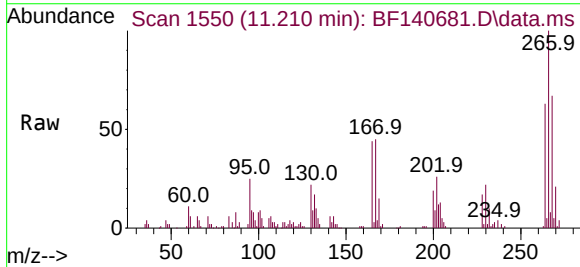
Manual Integrations
APPROVED

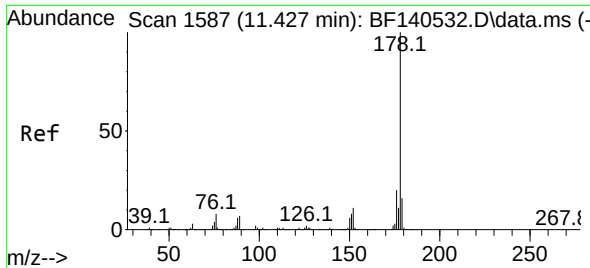
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#70
Pentachlorophenol
Concen: 36.131 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

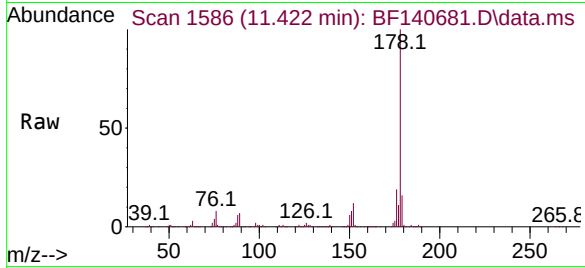
Tgt Ion:266 Resp: 60904
Ion Ratio Lower Upper
266 100
268 66.8 53.7 80.5
264 63.3 49.8 74.8





#71
Phenanthrene
Concen: 39.392 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

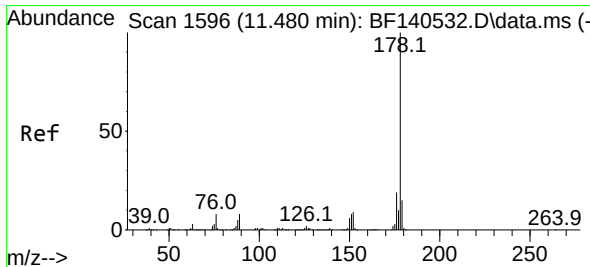
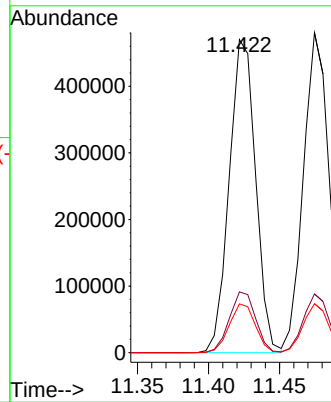
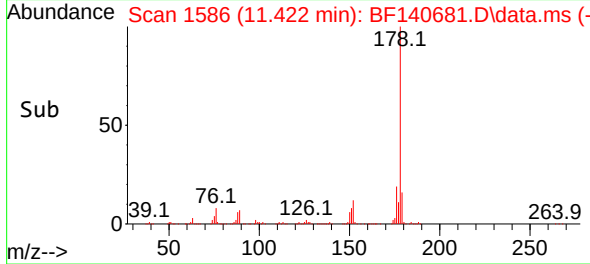
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 60817
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.6 12.4 18.6

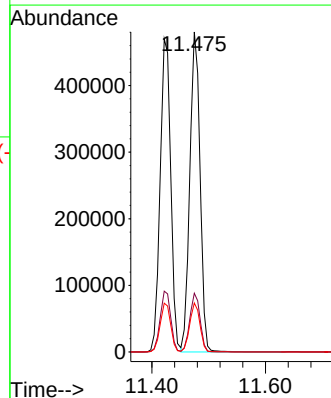
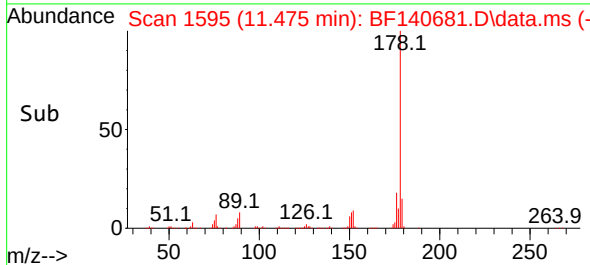
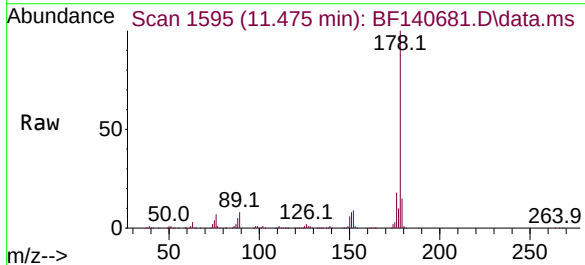
Manual Integrations
APPROVED

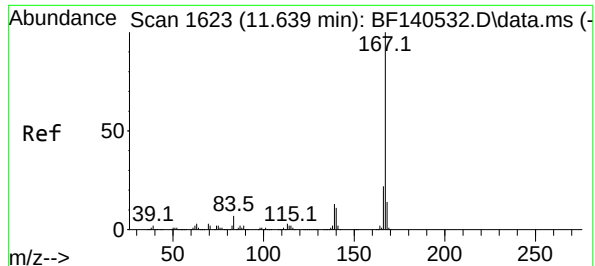
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#72
Anthracene
Concen: 39.774 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

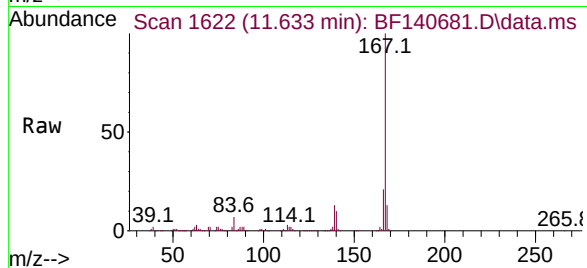
Tgt Ion:178 Resp: 600668
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.3 12.2 18.4





#73
Carbazole
Concen: 40.242 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

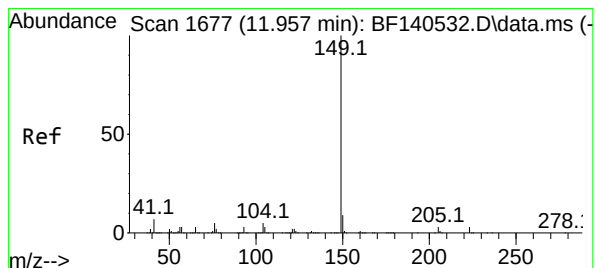
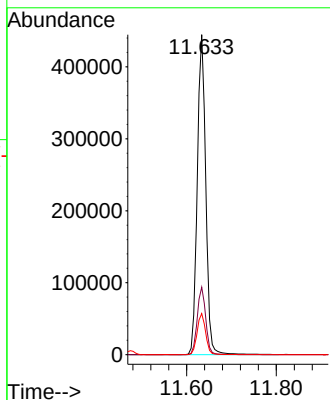
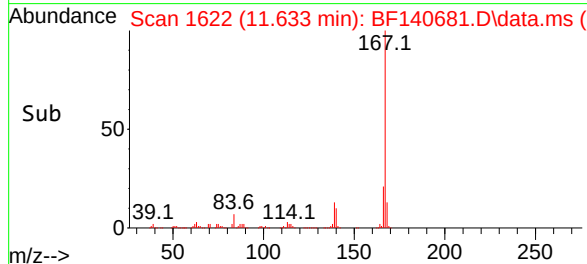
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 584648
Ion Ratio Lower Upper
167 100
166 21.1 17.2 25.8
139 12.9 10.6 15.8

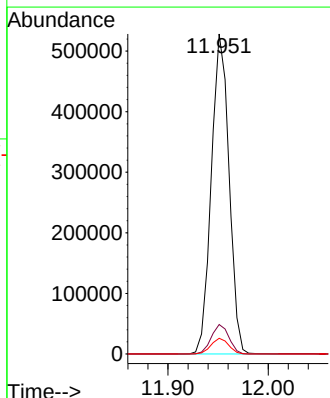
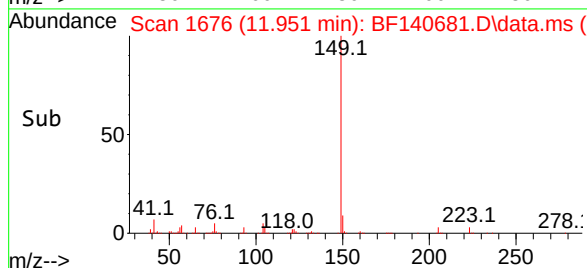
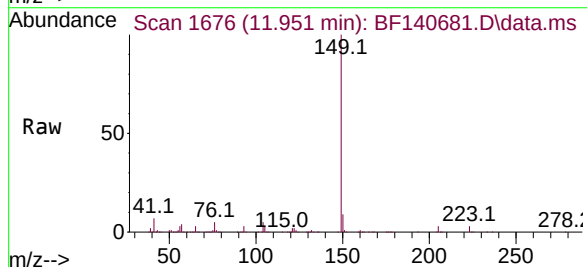
Manual Integrations
APPROVED

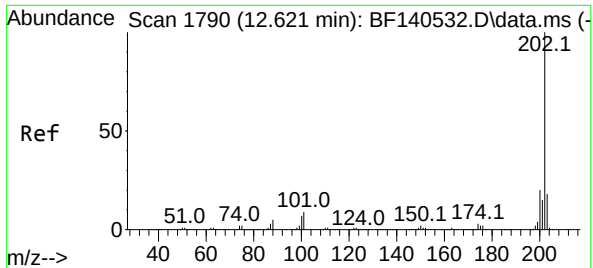
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#74
Di-n-butylphthalate
Concen: 38.680 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

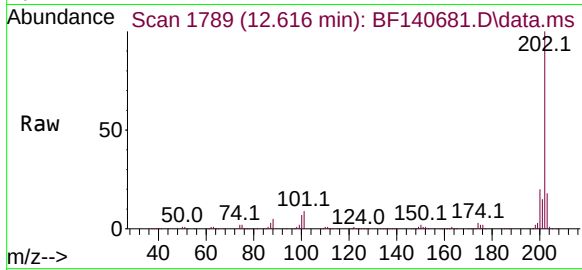
Tgt Ion:149 Resp: 648784
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 40.355 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

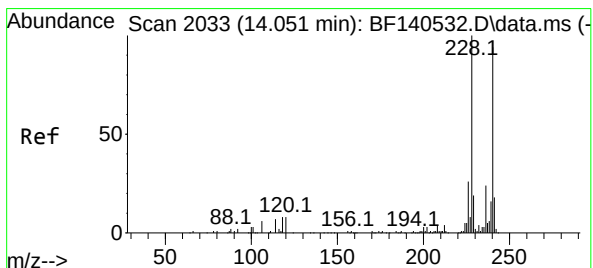
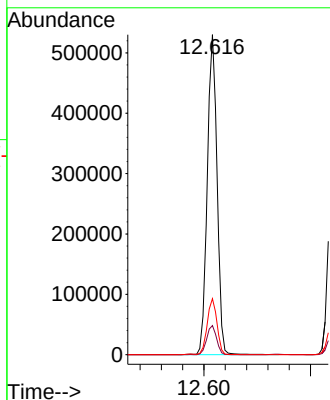
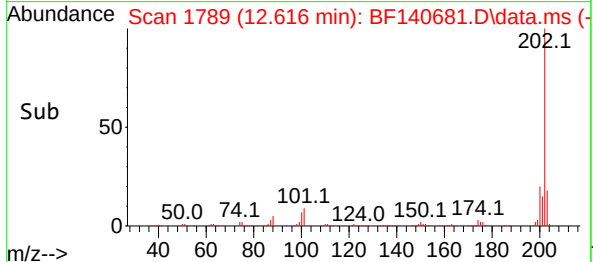
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 67645
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.9
203 17.5 0.0 37.6

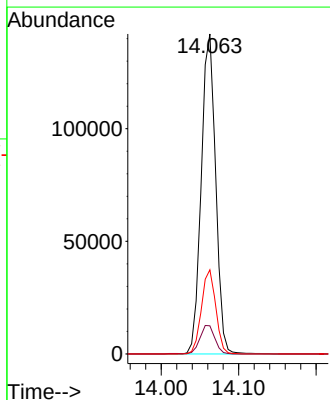
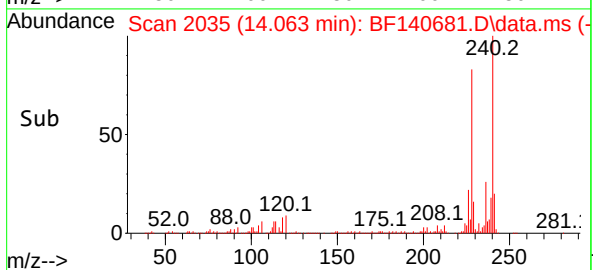
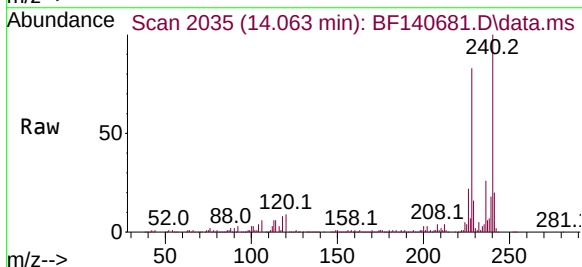
Manual Integrations
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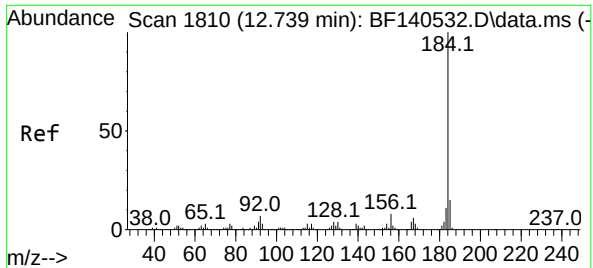
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

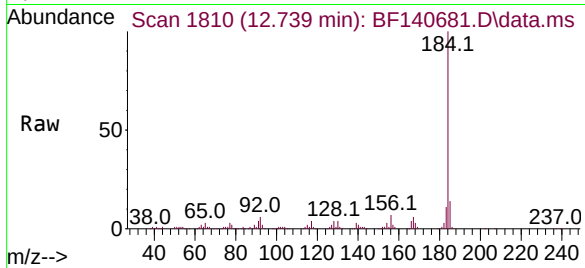
Tgt Ion:240 Resp: 183379
Ion Ratio Lower Upper
240 100
120 8.8 7.3 10.9
236 26.3 20.6 31.0





#77
Benzidine
Concen: 33.951 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

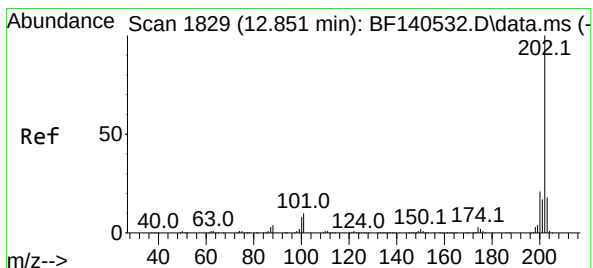
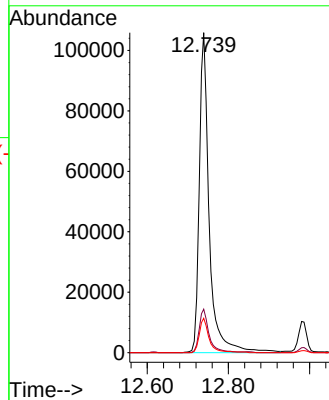
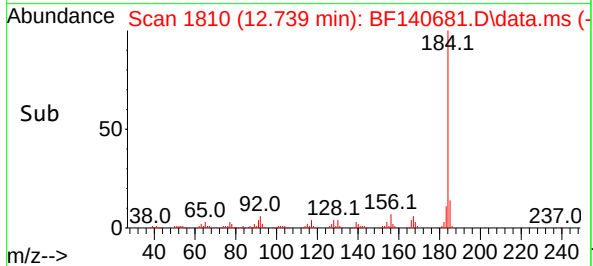
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 18101
Ion Ratio Lower Upper
184 100
185 13.6 11.7 17.5
183 10.7 8.8 13.2

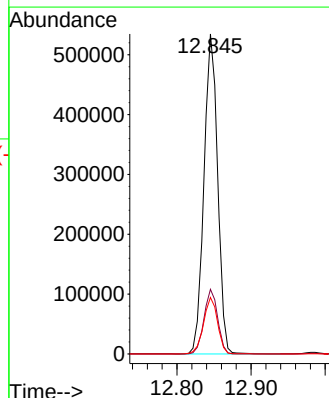
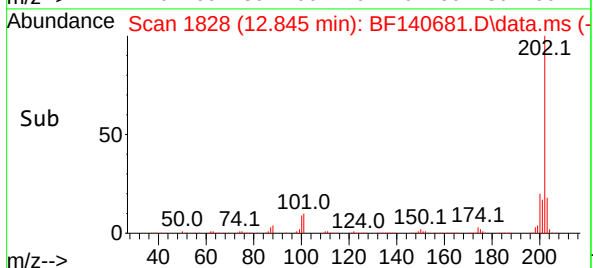
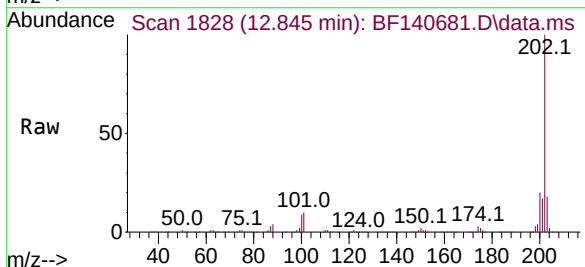
Manual Integrations
APPROVED

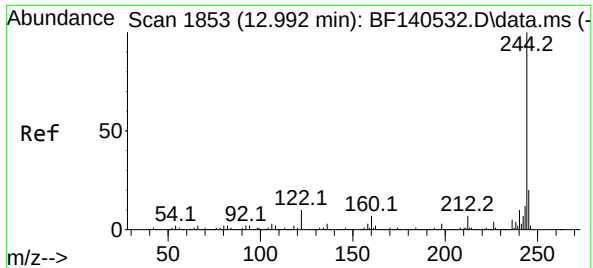
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#78
Pyrene
Concen: 40.567 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:202 Resp: 687839
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 17.7 14.2 21.4





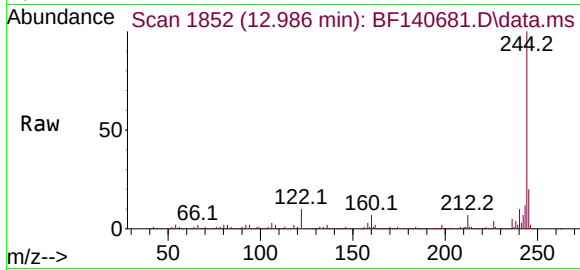
#79
Terphenyl-d14
Concen: 78.587 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



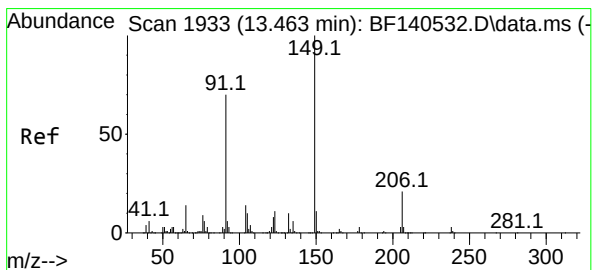
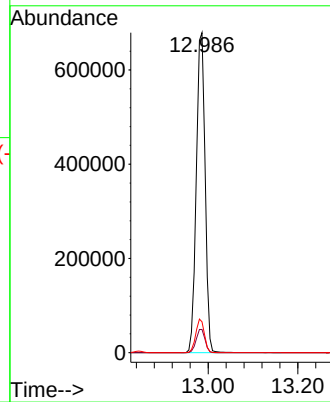
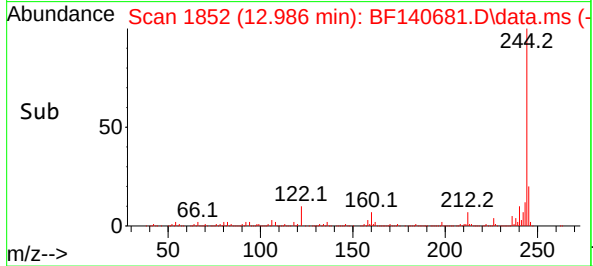
Tgt Ion:244 Resp: 925492
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 9.6 8.0 12.0

Manual Integrations

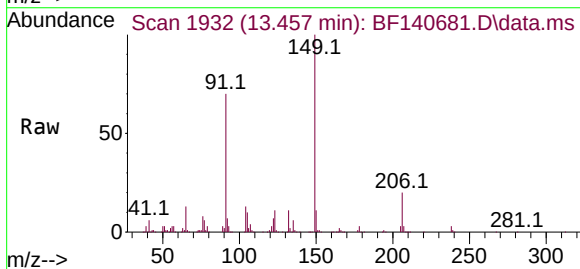
APPROVED

Reviewed By :Yogesh Patel 12/03/2024

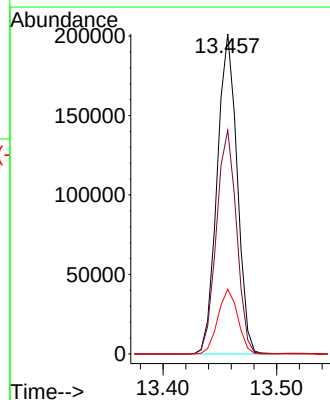
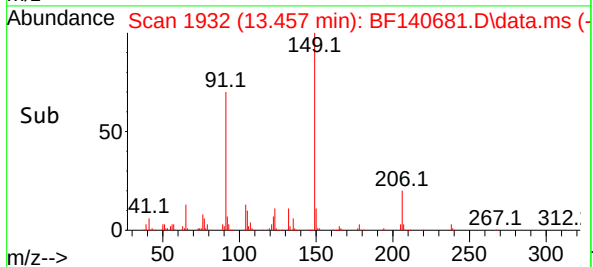
Supervised By :mohammad ahmed 12/05/2024

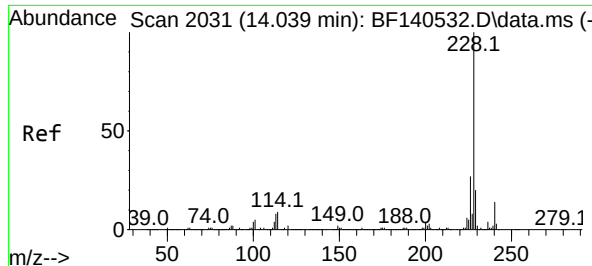


#80
Butylbenzylphthalate
Concen: 40.363 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion:149 Resp: 246541
Ion Ratio Lower Upper
149 100
91 69.9 56.2 84.2
206 20.2 16.4 24.6





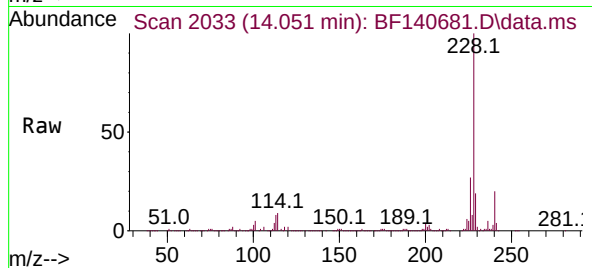
#81
Benzo(a)anthracene
Concen: 39.870 ng
RT: 14.051 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

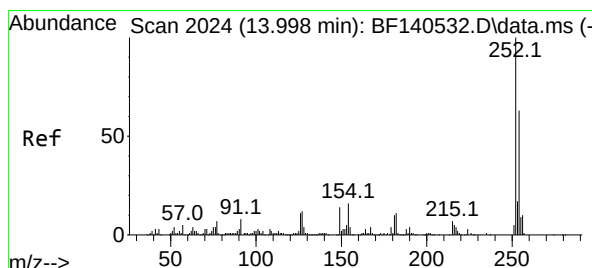
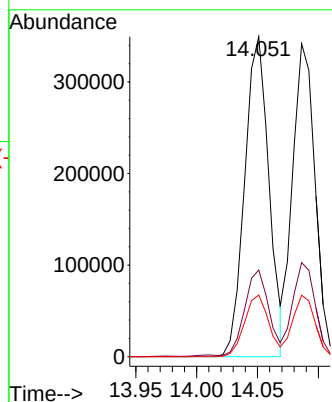
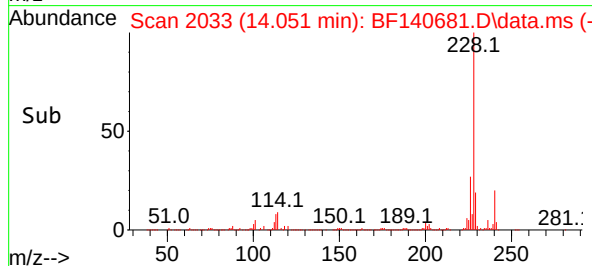


Tgt Ion:228 Resp: 48398
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.3 15.8 23.6

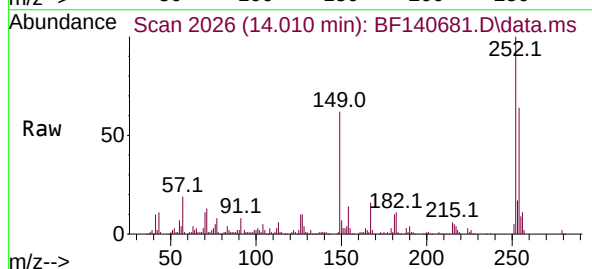
Manual Integrations

APPROVED

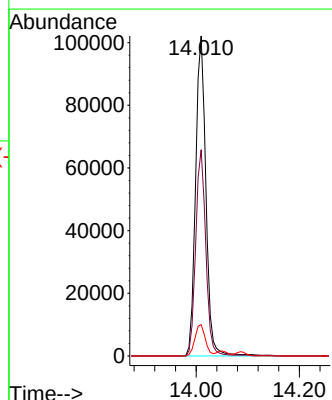
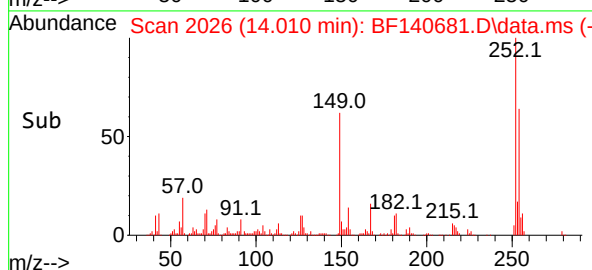
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

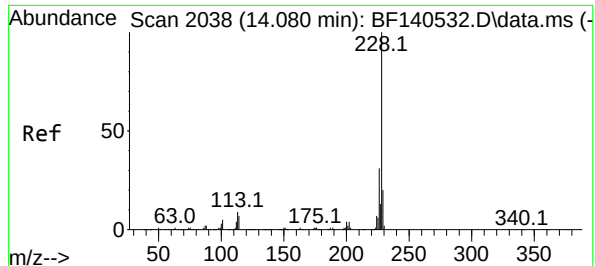


#82
3,3'-Dichlorobenzidine
Concen: 38.858 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.012 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion:252 Resp: 141622
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 9.8 8.6 13.0





#83

Chrysene

Concen: 39.658 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 440189

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

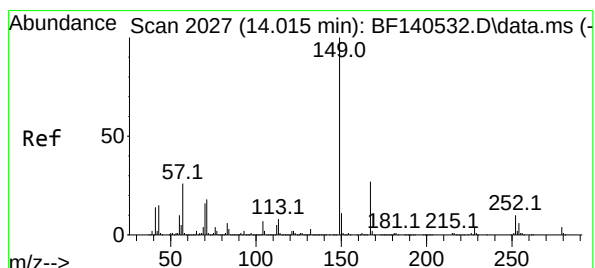
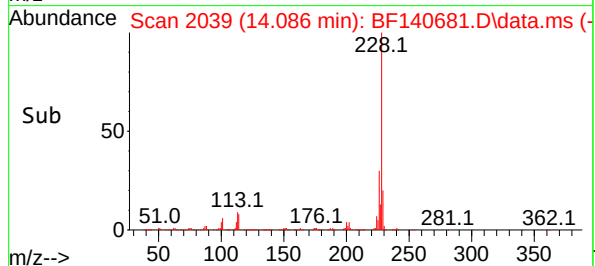
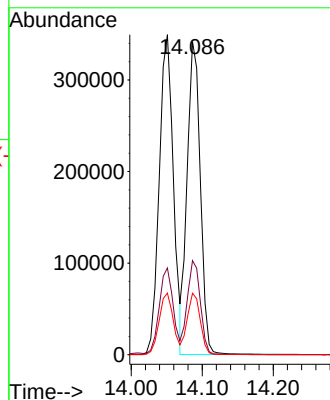
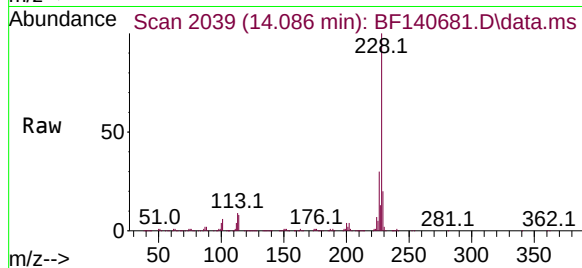
229 19.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.009 ng

RT: 14.022 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

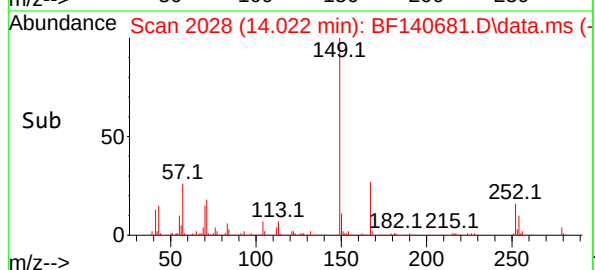
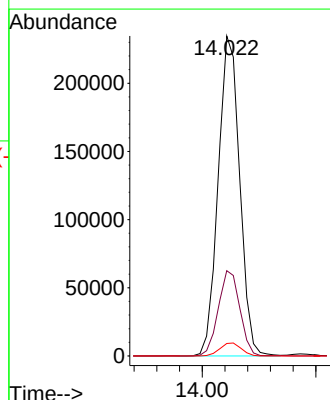
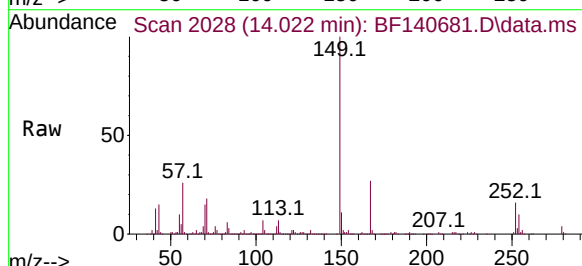
Tgt Ion:149 Resp: 308576

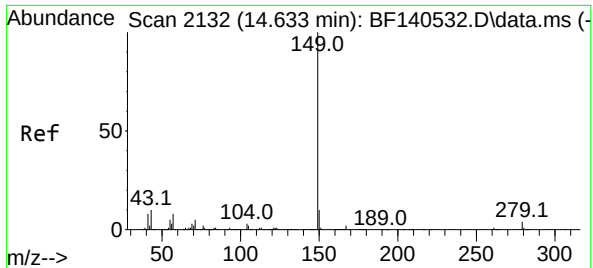
Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

279 3.9 3.2 4.8





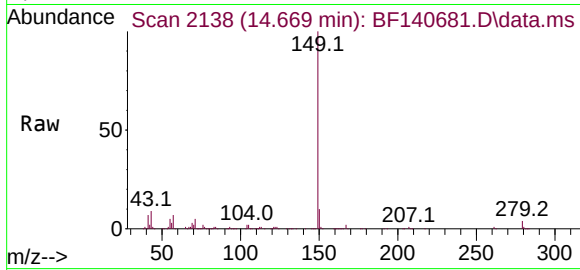
#85
Di-n-octyl phthalate
Concen: 39.662 ng
RT: 14.669 min Scan# 2138
Delta R.T. 0.035 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

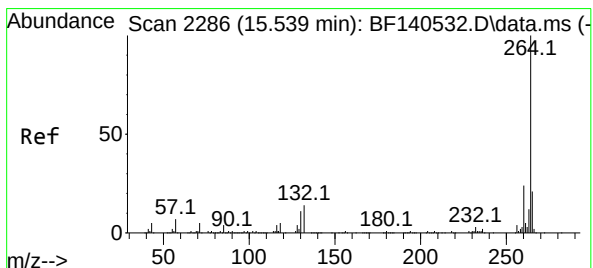
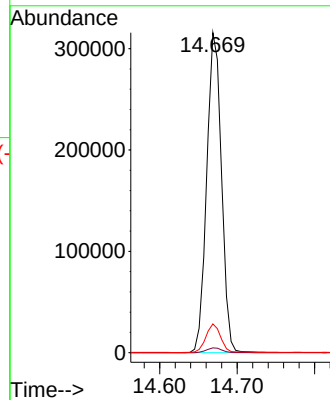
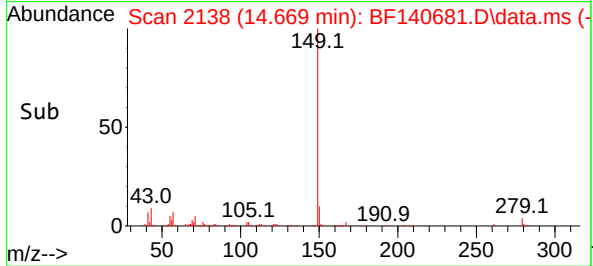


Tgt Ion:149 Resp: 418059
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.9 7.7 11.5

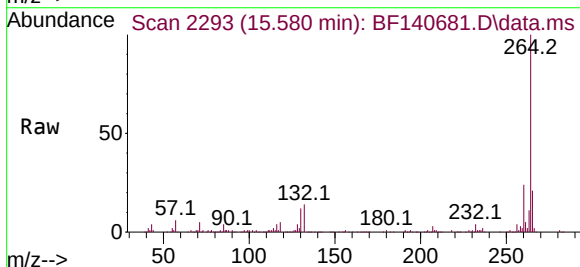
Manual Integrations

APPROVED

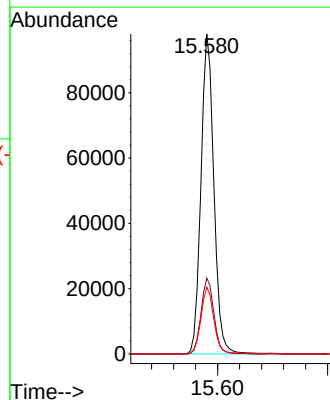
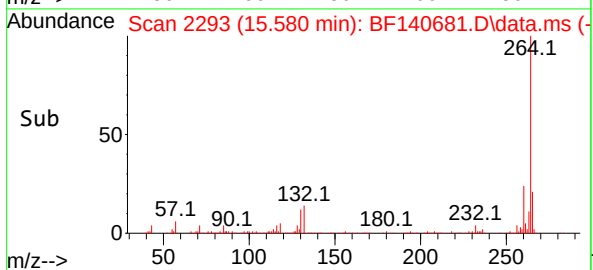
Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

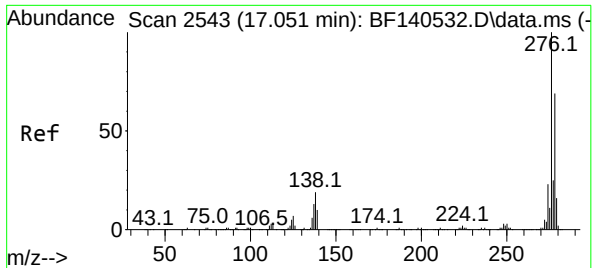


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2293
Delta R.T. 0.041 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22



Tgt Ion:264 Resp: 159952
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 20.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.823 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140681.D

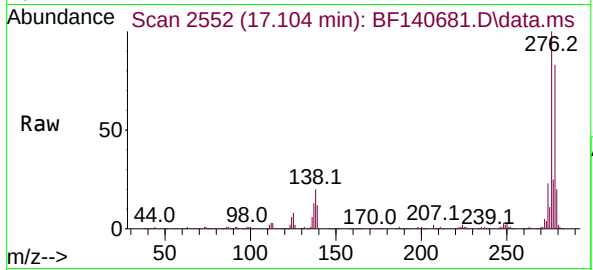
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:276 Resp: 404689

Ion Ratio Lower Upper

276 100

138 20.2 15.5 23.3

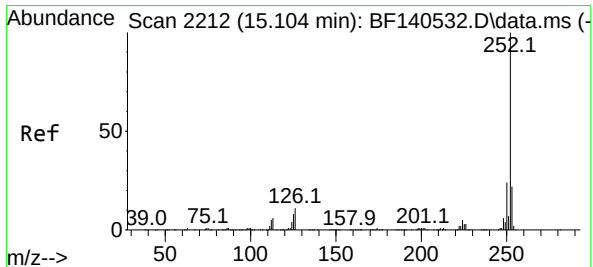
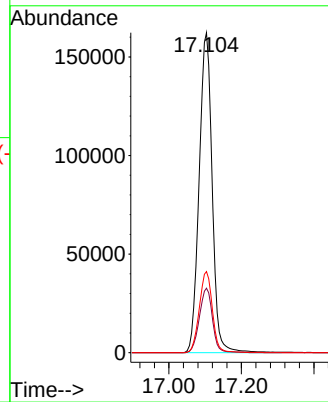
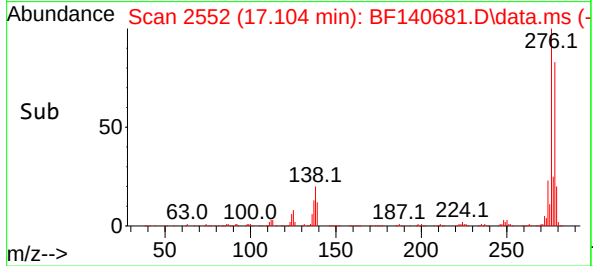
277 25.4 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#88

Benzo(b)fluoranthene

Concen: 39.598 ng

RT: 15.139 min Scan# 2218

Delta R.T. 0.035 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

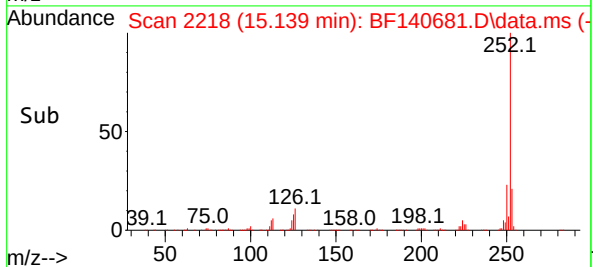
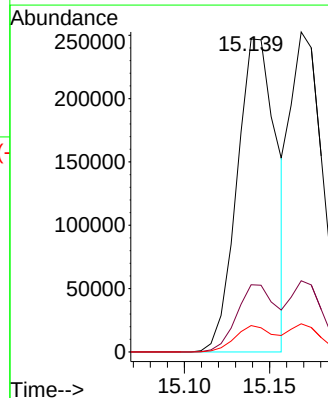
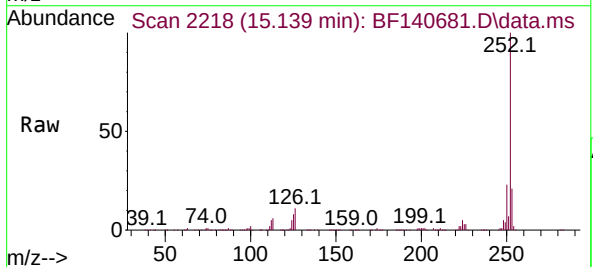
Tgt Ion:252 Resp: 397834

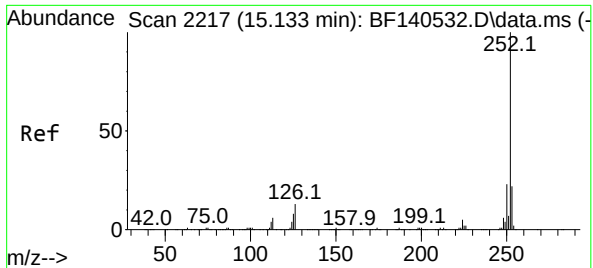
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 38.123 ng

RT: 15.169 min Scan# 2217

Delta R.T. 0.035 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 335170

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

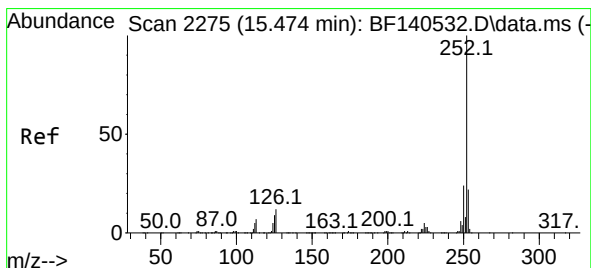
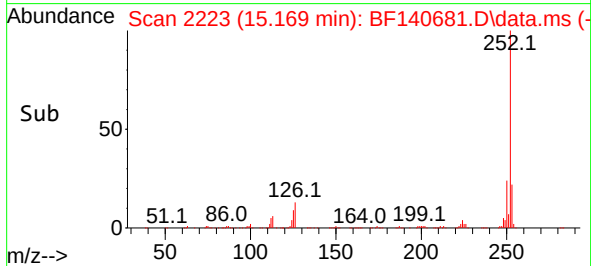
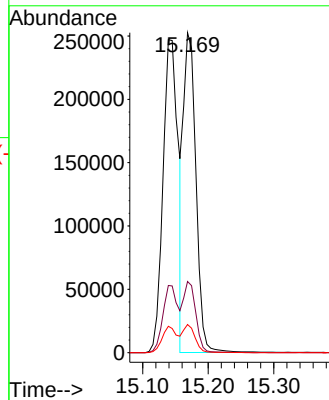
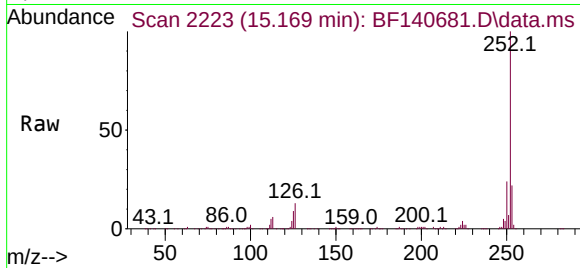
125 8.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 39.153 ng

RT: 15.516 min Scan# 2282

Delta R.T. 0.041 min

Lab File: BF140681.D

Acq: 02 Dec 2024 10:22

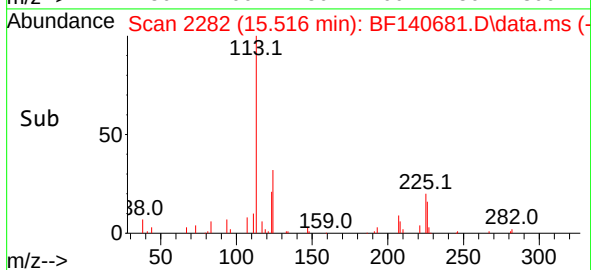
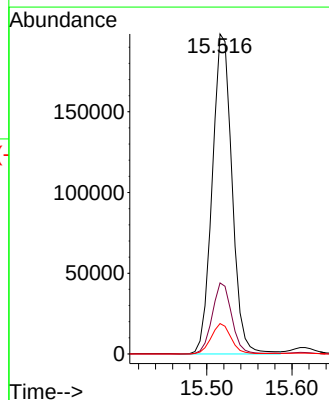
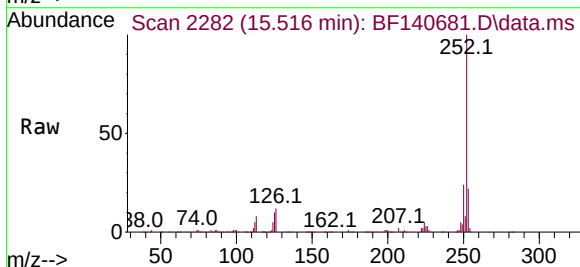
Tgt Ion:252 Resp: 319834

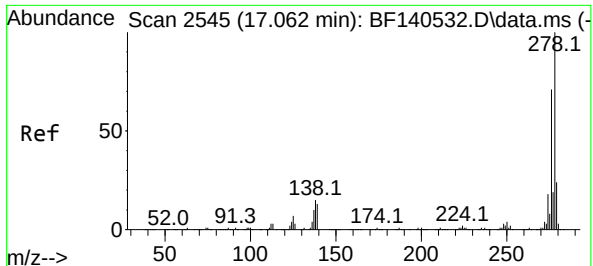
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.5 7.0 10.6





#91
Dibenzo(a,h)anthracene
Concen: 38.424 ng
RT: 17.110 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Instrument :

BNA_F

ClientSampleId :

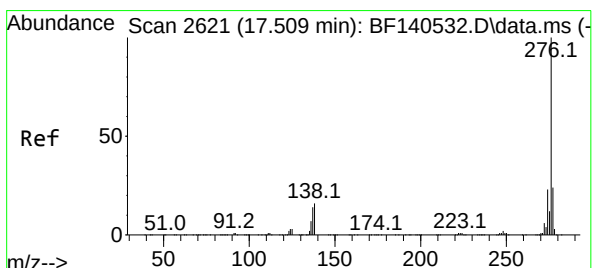
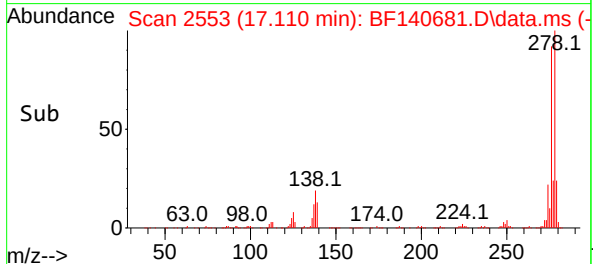
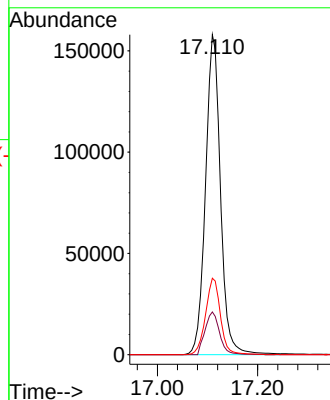
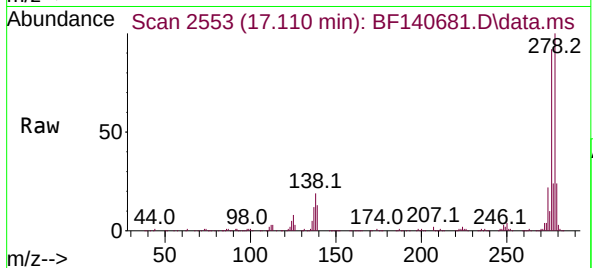
SSTDCCC040

Tgt Ion:278 Resp: 328020
Ion Ratio Lower Upper
278 100
139 13.3 10.2 15.4
279 23.9 18.9 28.3

Manual Integrations

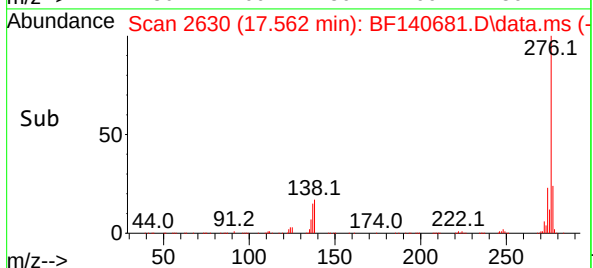
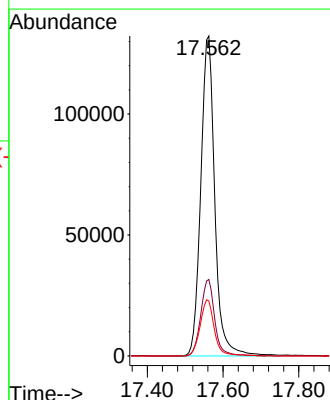
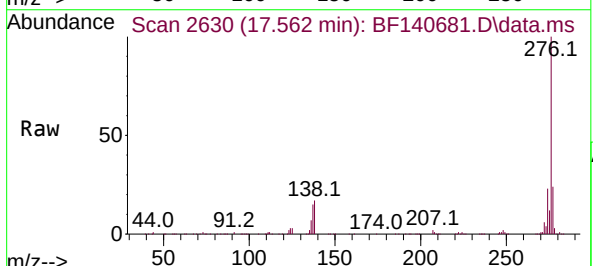
APPROVED

Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#92
Benzo(g,h,i)perylene
Concen: 39.067 ng
RT: 17.562 min Scan# 2630
Delta R.T. 0.053 min
Lab File: BF140681.D
Acq: 02 Dec 2024 10:22

Tgt Ion:276 Resp: 340327
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 17.2 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140681.D
 Acq On : 02 Dec 2024 10:22
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 02 11:01:17 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	78	0.00
2	1,4-Dioxane	0.493	0.483	2.0	77	-0.02
3	Pyridine	1.084	1.121	-3.4	73	-0.02
4	n-Nitrosodimethylamine	0.637	0.574	9.9	69	-0.02
5 S	2-Fluorophenol	1.172	1.148	2.0	76	0.00
6	Aniline	1.091	1.166	-6.9	72	0.00
7 S	Phenol-d6	1.550	1.511	2.5	73	0.00
8	2-Chlorophenol	1.261	1.248	1.0	75	0.00
9	Benzaldehyde	0.820	0.773	5.7	81	0.00
10 C	Phenol	1.583	1.579	0.3	73	0.00
11	bis(2-Chloroethyl)ether	1.211	1.170	3.4	73	0.00
12	1,3-Dichlorobenzene	1.417	1.382	2.5	77	0.00
13 C	1,4-Dichlorobenzene	1.435	1.392	3.0	76	0.00
14	1,2-Dichlorobenzene	1.344	1.325	1.4	76	0.00
15	Benzyl Alcohol	1.149	1.130	1.7	72	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.363	4.8	72	0.00
17	2-Methylphenol	1.009	0.989	2.0	74	0.00
18	Hexachloroethane	0.536	0.512	4.5	74	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.863	5.8	71	0.00
20	3+4-Methylphenols	1.298	1.270	2.2	73	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	73	0.00
22	Acetophenone	0.488	0.482	1.2	74	0.00
23 S	Nitrobenzene-d5	0.391	0.381	2.6	71	0.00
24	Nitrobenzene	0.404	0.399	1.2	73	0.00
25	Isophorone	0.652	0.641	1.7	71	0.00
26 C	2-Nitrophenol	0.179	0.181	-1.1	74	0.00
27	2,4-Dimethylphenol	0.214	0.228	-6.5	75	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.387	2.5	72	0.00
29 C	2,4-Dichlorophenol	0.284	0.285	-0.4	74	0.00
30	1,2,4-Trichlorobenzene	0.324	0.317	2.2	73	0.00
31	Naphthalene	1.030	1.021	0.9	74	0.00
32	Benzoic acid	0.164	0.150	8.5	62	0.00
33	4-Chloroaniline	0.308	0.326	-5.8	74	0.00
34 C	Hexachlorobutadiene	0.215	0.211	1.9	73	0.00
35	Caprolactam	0.088	0.089	-1.1	72	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.313	1.6	70	0.00
37	2-Methylnaphthalene	0.654	0.655	-0.2	74	0.00
38	1-Methylnaphthalene	0.641	0.633	1.2	73	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	73	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.575	1.9	74	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.116	-8.4	74	0.00
42 S	2,4,6-Tribromophenol	0.214	0.211	1.4	71	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.357	2.7	71	0.00
44	2,4,5-Trichlorophenol	0.399	0.393	1.5	71	0.00
45 S	2-Fluorobiphenyl	1.342	1.303	2.9	73	0.00
46	1,1'-Biphenyl	1.493	1.474	1.3	74	0.00
47	2-Chloronaphthalene	1.131	1.123	0.7	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140681.D
 Acq On : 02 Dec 2024 10:22
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 02 11:01:17 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	0.357	1.7	71	0.00
49	Acenaphthylene	1.710	1.674	2.1	73	0.00
50	Dimethylphthalate	1.317	1.279	2.9	72	0.00
51	2,6-Dinitrotoluene	0.299	0.297	0.7	72	0.00
52 C	Acenaphthene	1.086	1.073	1.2	73	0.00
53	3-Nitroaniline	0.292	0.297	-1.7	72	0.00
54 P	2,4-Dinitrophenol	0.122	0.117	4.1	61	0.00
55	Dibenzofuran	1.657	1.622	2.1	73	0.00
56 P	4-Nitrophenol	0.199	0.171	14.1	60	0.00
57	2,4-Dinitrotoluene	0.397	0.406	-2.3	73	0.00
58	Fluorene	1.330	1.312	1.4	74	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.299	2.3	70	0.00
60	Diethylphthalate	1.338	1.300	2.8	72	-0.01
61	4-Chlorophenyl-phenylether	0.653	0.650	0.5	74	0.00
62	4-Nitroaniline	0.306	0.312	-2.0	73	0.00
63	Azobenzene	1.267	1.239	2.2	73	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.107	-4.9	72	0.00
66 c	n-Nitrosodiphenylamine	0.591	0.577	2.4	73	0.00
67	4-Bromophenyl-phenylether	0.206	0.205	0.5	75	0.00
68	Hexachlorobenzene	0.238	0.231	2.9	73	0.00
69	Atrazine	0.166	0.148	10.8	78	0.00
70 C	Pentachlorophenol	0.105	0.095	9.5	60	0.00
71	Phenanthrene	0.961	0.947	1.5	74	0.00
72	Anthracene	0.940	0.935	0.5	74	0.00
73	Carbazole	0.905	0.910	-0.6	75	0.00
74	Di-n-butylphthalate	1.044	1.010	3.3	72	0.00
75 C	Fluoranthene	1.044	1.053	-0.9	76	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	77	0.01
77	Benzydine	0.581	0.494	15.0	66	0.00
78	Pyrene	1.849	1.875	-1.4	78	0.00
79 S	Terphenyl-d14	1.284	1.262	1.7	75	0.00
80	Butylbenzylphthalate	0.666	0.672	-0.9	76	0.00
81	Benzo(a)anthracene	1.324	1.320	0.3	79	0.01
82	3,3'-Dichlorobenzidine	0.397	0.386	2.8	72	0.01
83	Chrysene	1.211	1.200	0.9	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.841	0.0	77	0.00
85 c	Di-n-octyl phthalate	1.150	1.140	0.9	77	0.04
86 I	Perylene-d12	1.000	1.000	0.0	76	0.04
87	Indeno(1,2,3-cd)pyrene	1.303	1.265	2.9	73	0.05
88	Benzo(b)fluoranthene	1.256	1.244	1.0	79	0.04
89	Benzo(k)fluoranthene	1.099	1.048	4.6	72	0.04
90 C	Benzo(a)pyrene	1.021	1.000	2.1	75	0.04
91	Dibenzo(a,h)anthracene	1.067	1.025	3.9	73	0.05
92	Benzo(g,h,i)perylene	1.089	1.064	2.3	74	0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140681.D
Acq On : 02 Dec 2024 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 02 11:01:17 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\BF120224\
 Data File : BF140681.D
 Acq On : 02 Dec 2024 10:22
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 02 11:01:17 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	78	0.00
2	1,4-Dioxane	40.000	39.241	1.9	77	-0.02
3	Pyridine	40.000	41.355	-3.4	73	-0.02
4	n-Nitrosodimethylamine	40.000	36.032	9.9	69	-0.02
5 S	2-Fluorophenol	80.000	78.340	2.1	76	0.00
6	Aniline	40.000	42.754	-6.9	72	0.00
7 S	Phenol-d6	80.000	77.993	2.5	73	0.00
8	2-Chlorophenol	40.000	39.590	1.0	75	0.00
9	Benzaldehyde	40.000	37.711	5.7	81	0.00
10 C	Phenol	40.000	39.907	0.2	73	0.00
11	bis(2-Chloroethyl)ether	40.000	38.644	3.4	73	0.00
12	1,3-Dichlorobenzene	40.000	39.012	2.5	77	0.00
13 C	1,4-Dichlorobenzene	40.000	38.799	3.0	76	0.00
14	1,2-Dichlorobenzene	40.000	39.430	1.4	76	0.00
15	Benzyl Alcohol	40.000	39.344	1.6	72	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.120	4.7	72	0.00
17	2-Methylphenol	40.000	39.183	2.0	74	0.00
18	Hexachloroethane	40.000	38.253	4.4	74	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.674	5.8	71	0.00
20	3+4-Methylphenols	40.000	39.158	2.1	73	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	73	0.00
22	Acetophenone	40.000	39.582	1.0	74	0.00
23 S	Nitrobenzene-d5	80.000	77.900	2.6	71	0.00
24	Nitrobenzene	40.000	39.523	1.2	73	0.00
25	Isophorone	40.000	39.291	1.8	71	0.00
26 C	2-Nitrophenol	40.000	40.392	-1.0	74	0.00
27	2,4-Dimethylphenol	40.000	42.539	-6.3	75	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.982	2.5	72	0.00
29 C	2,4-Dichlorophenol	40.000	40.122	-0.3	74	0.00
30	1,2,4-Trichlorobenzene	40.000	39.084	2.3	73	0.00
31	Naphthalene	40.000	39.627	0.9	74	0.00
32	Benzoic acid	40.000	34.616	13.5	62	0.00
33	4-Chloroaniline	40.000	42.251	-5.6	74	0.00
34 C	Hexachlorobutadiene	40.000	39.335	1.7	73	0.00
35	Caprolactam	40.000	40.334	-0.8	72	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.440	1.4	70	0.00
37	2-Methylnaphthalene	40.000	40.053	-0.1	74	0.00
38	1-Methylnaphthalene	40.000	39.495	1.3	73	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	73	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.254	1.9	74	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.441	1.4	74	0.00
42 S	2,4,6-Tribromophenol	80.000	78.824	1.5	71	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.903	2.7	71	0.00
44	2,4,5-Trichlorophenol	40.000	39.418	1.5	71	0.00
45 S	2-Fluorobiphenyl	80.000	77.648	2.9	73	0.00
46	1,1'-Biphenyl	40.000	39.480	1.3	74	0.00
47	2-Chloronaphthalene	40.000	39.690	0.8	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140681.D
 Acq On : 02 Dec 2024 10:22
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 02 11:01:17 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	39.310	1.7	71	0.00
49	Acenaphthylene	40.000	39.157	2.1	73	0.00
50	Dimethylphthalate	40.000	38.837	2.9	72	0.00
51	2,6-Dinitrotoluene	40.000	39.791	0.5	72	0.00
52 C	Acenaphthene	40.000	39.516	1.2	73	0.00
53	3-Nitroaniline	40.000	40.697	-1.7	72	0.00
54 P	2,4-Dinitrophenol	40.000	35.042	12.4	61	0.00
55	Dibenzofuran	40.000	39.170	2.1	73	0.00
56 P	4-Nitrophenol	40.000	34.381	14.0	60	0.00
57	2,4-Dinitrotoluene	40.000	40.854	-2.1	73	0.00
58	Fluorene	40.000	39.467	1.3	74	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.989	2.5	70	0.00
60	Diethylphthalate	40.000	38.859	2.9	72	-0.01
61	4-Chlorophenyl-phenylether	40.000	39.860	0.4	74	0.00
62	4-Nitroaniline	40.000	40.706	-1.8	73	0.00
63	Azobenzene	40.000	39.095	2.3	73	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.032	-5.1	72	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.004	2.5	73	0.00
67	4-Bromophenyl-phenylether	40.000	39.735	0.7	75	0.00
68	Hexachlorobenzene	40.000	38.740	3.1	73	0.00
69	Atrazine	40.000	35.580	11.1	78	0.00
70 C	Pentachlorophenol	40.000	36.131	9.7	60	0.00
71	Phenanthrene	40.000	39.392	1.5	74	0.00
72	Anthracene	40.000	39.774	0.6	74	0.00
73	Carbazole	40.000	40.242	-0.6	75	0.00
74	Di-n-butylphthalate	40.000	38.680	3.3	72	0.00
75 C	Fluoranthene	40.000	40.355	-0.9	76	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	77	0.01
77	Benzydine	40.000	33.951	15.1	66	0.00
78	Pyrene	40.000	40.567	-1.4	78	0.00
79 S	Terphenyl-d14	80.000	78.587	1.8	75	0.00
80	Butylbenzylphthalate	40.000	40.363	-0.9	76	0.00
81	Benzo(a)anthracene	40.000	39.870	0.3	79	0.01
82	3,3'-Dichlorobenzidine	40.000	38.858	2.9	72	0.01
83	Chrysene	40.000	39.658	0.9	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.009	-0.0	77	0.00
85 c	Di-n-octyl phthalate	40.000	39.662	0.8	77	0.04
86 I	Perylene-d12	20.000	20.000	0.0	76	0.04
87	Indeno(1,2,3-cd)pyrene	40.000	38.823	2.9	73	0.05
88	Benzo(b)fluoranthene	40.000	39.598	1.0	79	0.04
89	Benzo(k)fluoranthene	40.000	38.123	4.7	72	0.04
90 C	Benzo(a)pyrene	40.000	39.153	2.1	75	0.04
91	Dibenzo(a,h)anthracene	40.000	38.424	3.9	73	0.05
92	Benzo(g,h,i)perylene	40.000	39.067	2.3	74	0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140681.D
Acq On : 02 Dec 2024 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 02 11:01:17 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.: P5026 SAS No.: P5026 SDG No.: P5026

Instrument ID: BNA_F Calibration Date/Time: 12/03/2024 11:24

Lab File ID: BF140702.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	1.135		-3.2	
Phenol-d6	1.550	1.481		-4.5	
Nitrobenzene-d5	0.391	0.372		-4.9	
Naphthalene	1.030	0.996		-3.3	
2-Fluorobiphenyl	1.342	1.315		-2.0	
Acenaphthylene	1.710	1.655		-3.2	
Acenaphthene	1.086	1.031		-5.1	20.0
Fluorene	1.330	1.306		-1.8	
2,4,6-Tribromophenol	0.214	0.209		-2.3	
Phenanthrene	0.961	0.921		-4.2	
Anthracene	0.940	0.906		-3.6	
Fluoranthene	1.044	1.025		-1.8	20.0
Pyrene	1.849	1.786		-3.4	
Terphenyl-d14	1.284	1.295		0.9	
Benzo (a) anthracene	1.324	1.330		0.5	
Chrysene	1.211	1.133		-6.4	
Benzo (b) fluoranthene	1.256	1.178		-6.2	
Benzo (k) fluoranthene	1.099	1.085		-1.3	
Benzo (a) pyrene	1.021	0.989		-3.1	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.389		6.6	
Dibenzo (a,h) anthracene	1.067	1.149		7.7	
Benzo (g,h,i) perylene	1.089	1.195		9.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140702.D
 Acq On : 03 Dec 2024 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:32:40 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	78577	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	287976	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	161859	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	309121	20.000	ng	0.00
76) Chrysene-d12	14.057	240	178961	20.000	ng	0.00
86) Perylene-d12	15.568	264	151018	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	356707	77.455	ng	0.00
7) Phenol-d6	6.510	99	465601	76.474	ng	0.00
23) Nitrobenzene-d5	7.433	82	428914	76.184	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	135112	78.050	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	851200	78.355	ng	0.00
79) Terphenyl-d14	12.986	244	927223	80.677	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.610	88	88618	45.766	ng	99
3) Pyridine	3.393	79	211280	49.593	ng	99
4) n-Nitrosodimethylamine	3.340	42	103370	41.283	ng	89
6) Aniline	6.534	93	192153	44.840	ng	95
8) 2-Chlorophenol	6.663	128	189885	38.325	ng	95
9) Benzaldehyde	6.428	77	122097	37.882	ng	99
10) Phenol	6.522	94	241863	38.899	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	182002	38.252	ng	99
12) 1,3-Dichlorobenzene	6.810	146	215039	38.625	ng	99
13) 1,4-Dichlorobenzene	6.886	146	219736	38.980	ng	98
14) 1,2-Dichlorobenzene	7.039	146	206351	39.066	ng	99
15) Benzyl Alcohol	7.016	79	171178	37.912	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	218575	38.885	ng	92
17) 2-Methylphenol	7.128	107	149709	37.747	ng	97
18) Hexachloroethane	7.381	117	81909	38.905	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	137238	38.140	ng	98
20) 3+4-Methylphenols	7.281	107	196617	38.568	ng	94
22) Acetophenone	7.281	105	268592	38.257	ng	98
24) Nitrobenzene	7.457	77	220435	37.883	ng	98
25) Isophorone	7.692	82	363764	38.738	ng	99
26) 2-Nitrophenol	7.769	139	99836	38.717	ng	99
27) 2,4-Dimethylphenol	7.804	122	125689m	40.738	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	224648	39.270	ng	100
29) 2,4-Dichlorophenol	8.016	162	162796	39.821	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	183699	39.354	ng	99
31) Naphthalene	8.175	128	573428	38.658	ng	100
32) Benzoic acid	7.933	122	89798	35.627	ng	94
33) 4-Chloroaniline	8.228	127	189353	42.636	ng	98
34) Hexachlorobutadiene	8.286	225	123968	40.096	ng	99
35) Caprolactam	8.598	113	47318	37.400	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	175561	38.355	ng	98
37) 2-Methylnaphthalene	8.863	142	373870	39.683	ng	100
38) 1-Methylnaphthalene	8.963	142	359542	38.933	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	186183	39.292	ng	99
41) Hexachlorocyclopentadiene	9.016	237	45855	46.421	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	116712	39.253	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140702.D
 Acq On : 03 Dec 2024 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:32:40 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	9.198	196	124573	38.605	ng	97
46) 1,1'-Biphenyl	9.327	154	478849	39.625	ng	100
47) 2-Chloronaphthalene	9.357	162	353191	38.572	ng	98
48) 2-Nitroaniline	9.457	65	109766	37.346	ng	96
49) Acenaphthylene	9.769	152	535680	38.719	ng	99
50) Dimethylphthalate	9.627	163	420054	39.405	ng	99
51) 2,6-Dinitrotoluene	9.698	165	94994	39.292	ng	94
52) Acenaphthene	9.945	154	333771	37.968	ng	99
53) 3-Nitroaniline	9.869	138	94739	40.066	ng	96
54) 2,4-Dinitrophenol	9.986	184	44183	39.659	ng	92
55) Dibenzofuran	10.116	168	520938	38.851	ng	100
56) 4-Nitrophenol	10.045	139	52819	32.754	ng	91
57) 2,4-Dinitrotoluene	10.104	165	128073	39.860	ng	98
58) Fluorene	10.457	166	422615	39.266	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	96620	38.960	ng	95
60) Diethylphthalate	10.327	149	438624	40.498	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	214560	40.622	ng	96
62) 4-Nitroaniline	10.486	138	95226	38.398	ng	97
63) Azobenzene	10.610	77	401295	39.125	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	59302	37.542	ng	98
66) n-Nitrosodiphenylamine	10.569	169	355436	38.882	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	126092	39.608	ng	99
68) Hexachlorobenzene	11.010	284	143294	38.874	ng	99
69) Atrazine	11.092	200	84195	32.739	ng	100
70) Pentachlorophenol	11.210	266	53143m	32.757	ng	
71) Phenanthrene	11.427	178	569205	38.307	ng	99
72) Anthracene	11.480	178	559985	38.526	ng	100
73) Carbazole	11.633	167	544791	38.961	ng	100
74) Di-n-butylphthalate	11.957	149	682241	42.262	ng	99
75) Fluoranthene	12.616	202	633816	39.286	ng	99
77) Benzidine	12.739	184	194649	37.410	ng	99
78) Pyrene	12.851	202	639203	38.629	ng	99
80) Butylbenzylphthalate	13.457	149	261245	43.826	ng	98
81) Benzo(a)anthracene	14.045	228	476207	40.198	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	145527	40.916	ng	99
83) Chrysene	14.086	228	405400	37.425	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	356413	47.352	ng	99
85) Di-n-octyl phthalate	14.662	149	506556	49.245	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	419499	42.625	ng	99
88) Benzo(b)fluoranthene	15.133	252	355842	37.514	ng	99
89) Benzo(k)fluoranthene	15.162	252	327628	39.470	ng	99
90) Benzo(a)pyrene	15.509	252	298771	38.738	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	347020	43.055	ng	99
92) Benzo(g,h,i)perylene	17.545	276	361051	43.898	ng	99

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

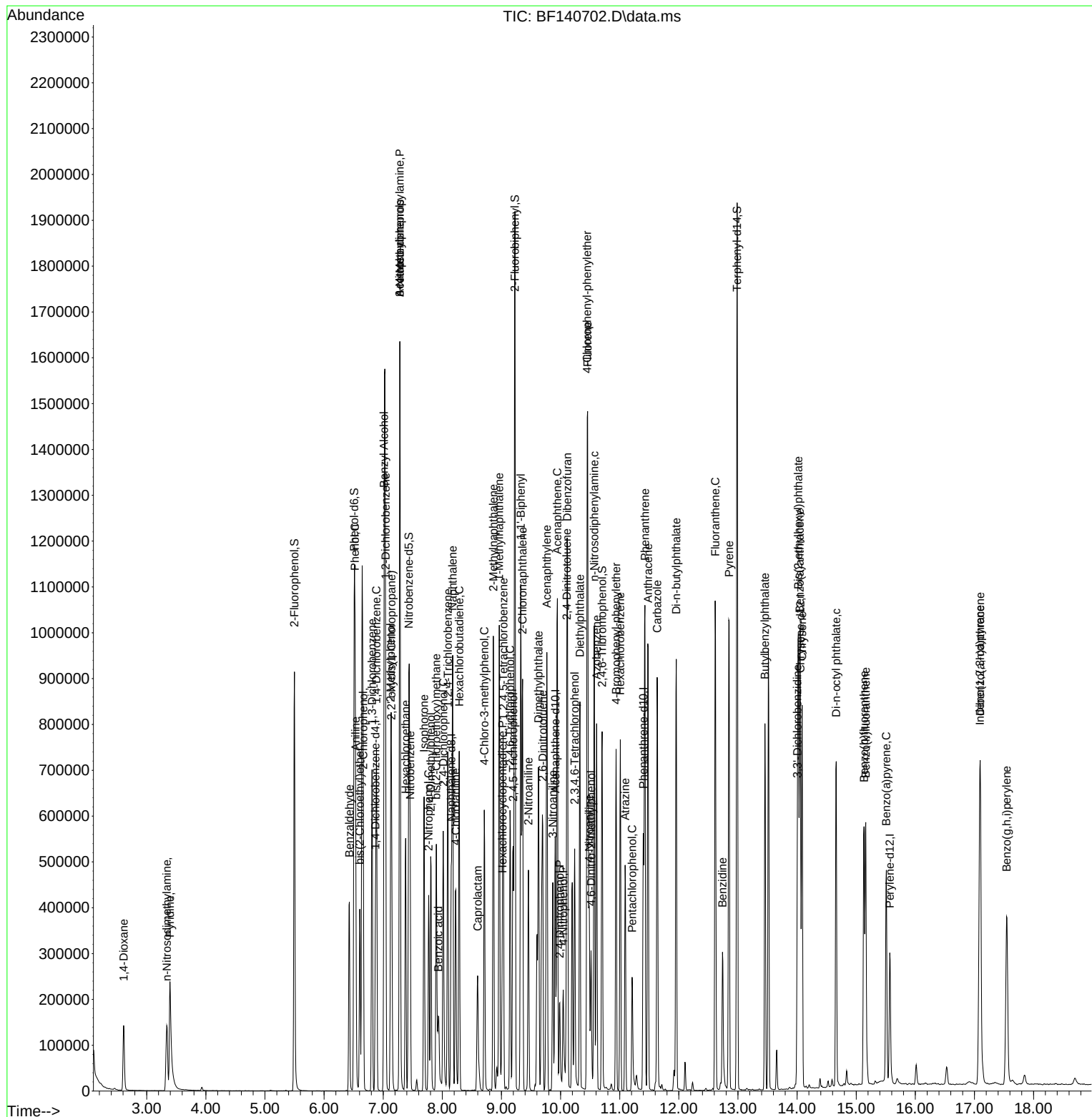
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Data File : BF140702.D  
Acq On    : 03 Dec 2024  11:24  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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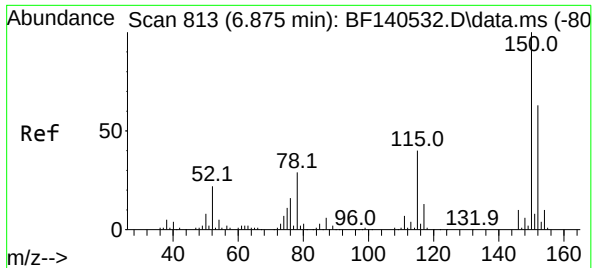
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:32:40 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





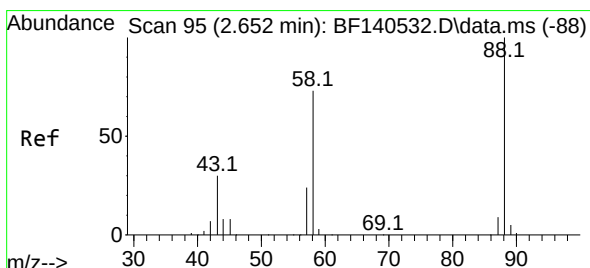
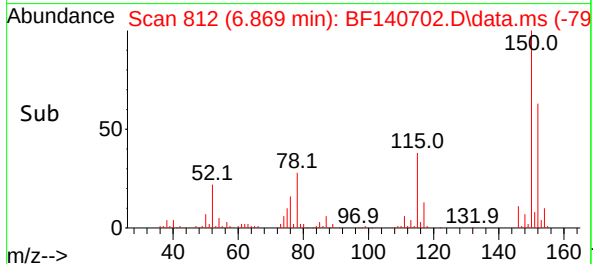
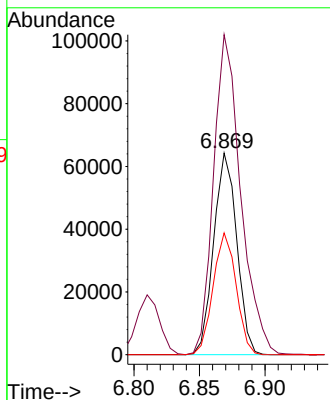
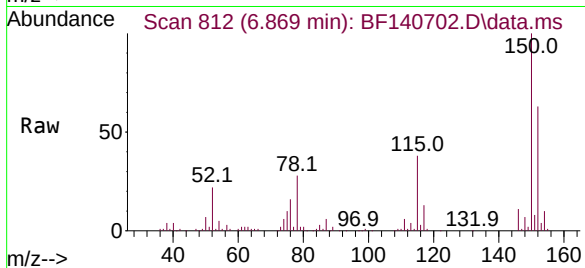
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 7857
Ion Ratio Lower Upper
152 100
150 158.7 128.5 192.7
115 60.4 50.2 75.4

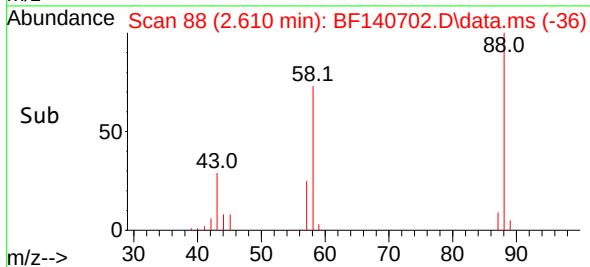
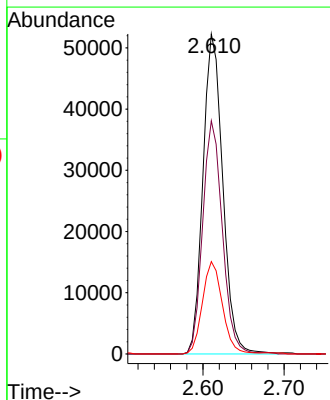
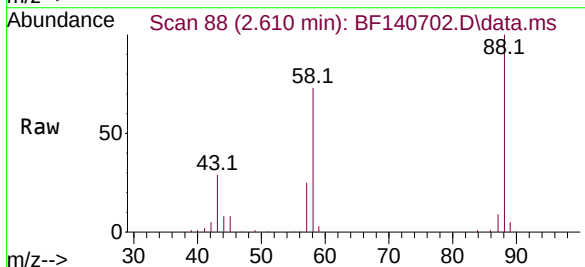
Manual Integrations
APPROVED

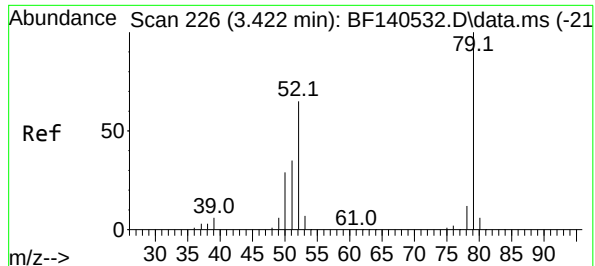
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#2
1,4-Dioxane
Concen: 45.766 ng
RT: 2.610 min Scan# 88
Delta R.T. -0.041 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion: 88 Resp: 88618
Ion Ratio Lower Upper
88 100
58 72.3 57.4 86.2
43 29.1 24.3 36.5





#3

Pyridine

Concen: 49.593 ng

RT: 3.393 min Scan# 211

Delta R.T. -0.030 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 211280

Ion Ratio Lower Upper

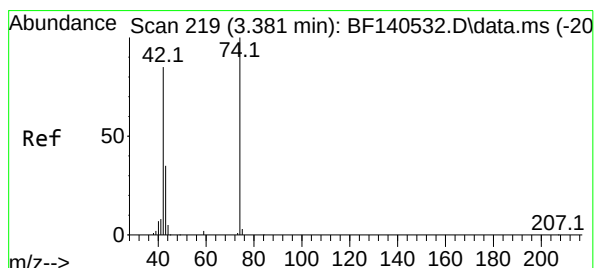
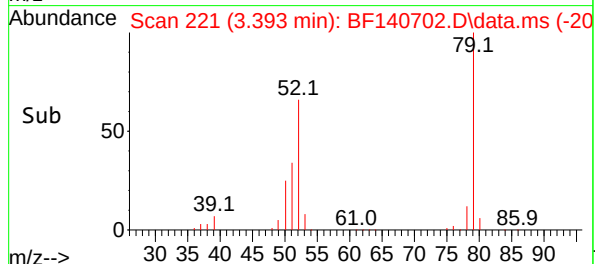
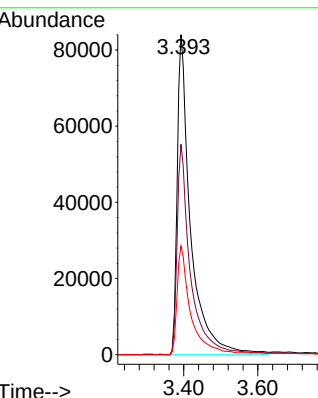
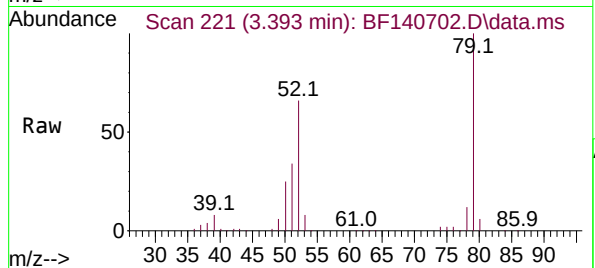
79 100

52 65.8 52.1 78.1

51 33.9 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#4

n-Nitrosodimethylamine

Concen: 41.283 ng

RT: 3.340 min Scan# 212

Delta R.T. -0.041 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

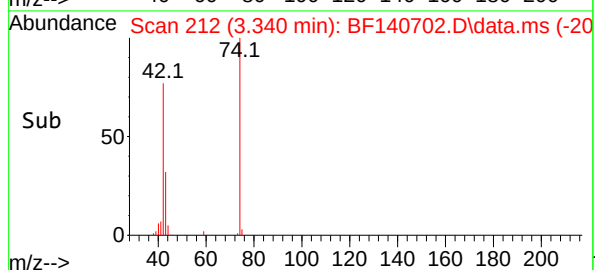
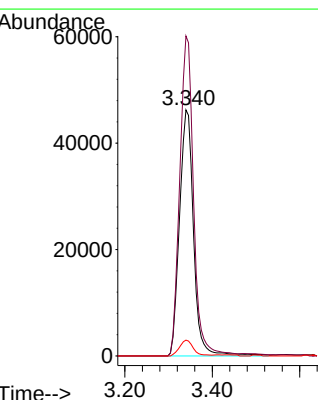
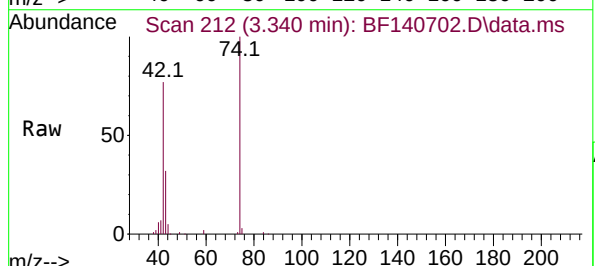
Tgt Ion: 42 Resp: 103370

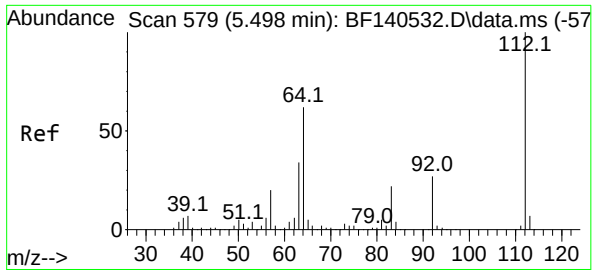
Ion Ratio Lower Upper

42 100

74 130.0 93.8 140.6

44 6.4 4.6 6.8





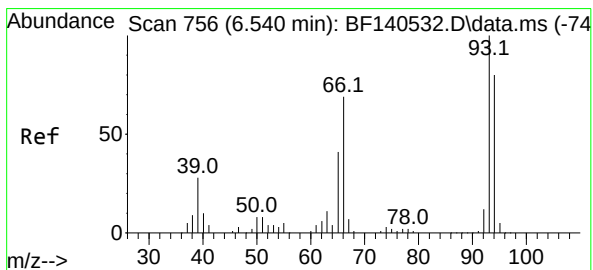
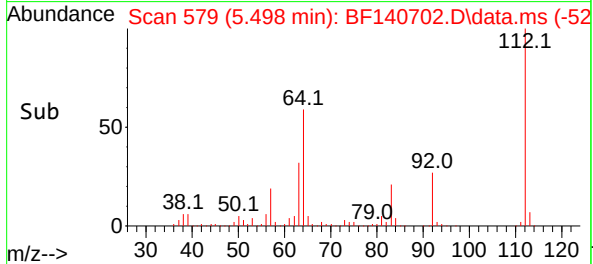
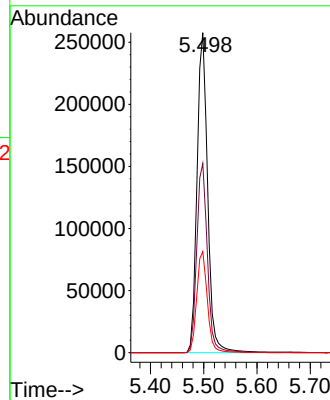
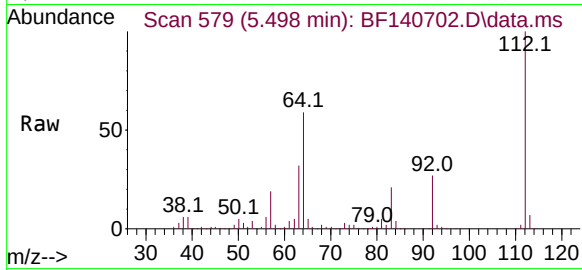
#5
2-Fluorophenol
Concen: 77.455 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 35670
Ion Ratio Lower Upper
112 100
64 59.2 49.2 73.8
63 31.6 27.0 40.4

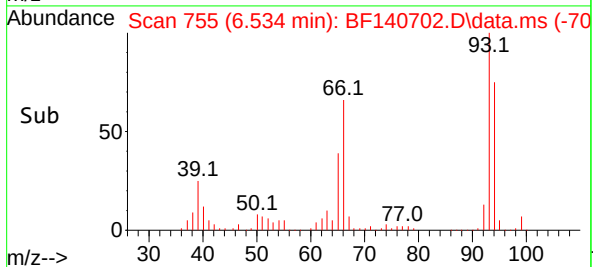
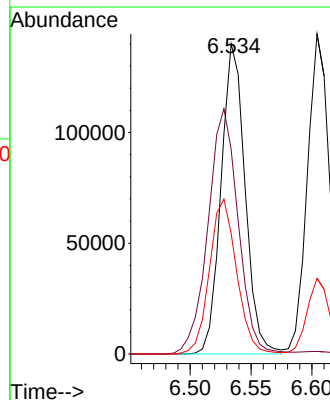
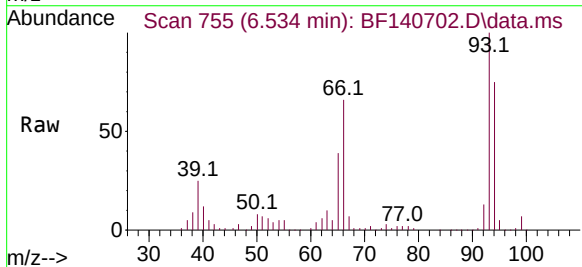
Manual Integrations
APPROVED

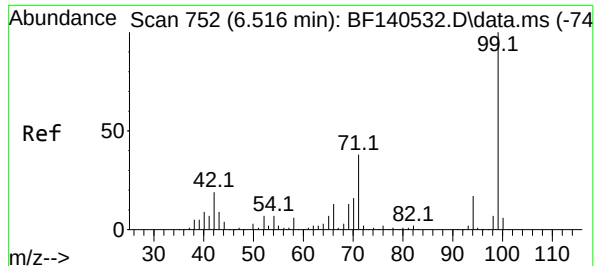
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#6
Aniline
Concen: 44.840 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion: 93 Resp: 192153
Ion Ratio Lower Upper
93 100
66 66.1 56.5 84.7
65 39.0 32.9 49.3





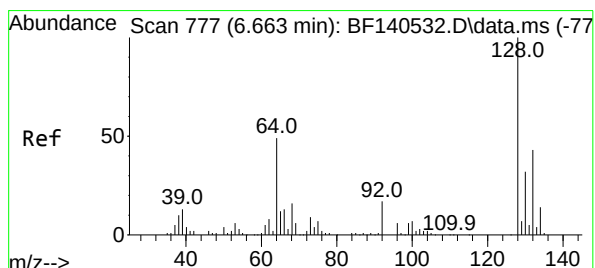
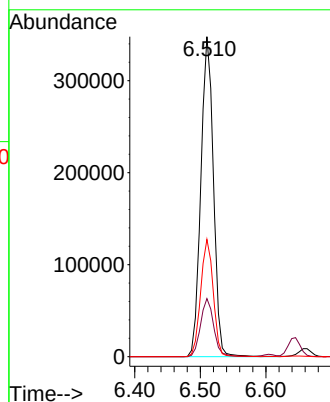
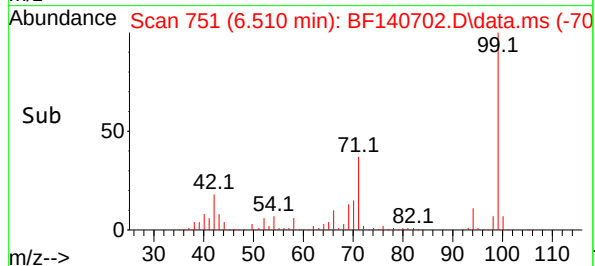
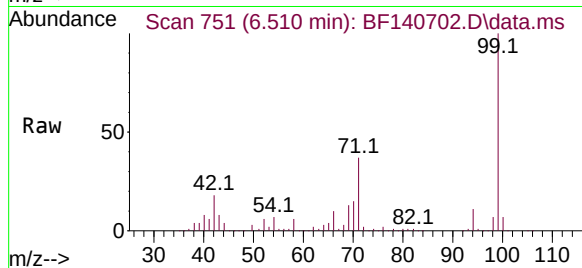
#7
Phenol-d6
Concen: 76.474 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 46560
Ion Ratio Lower Upper
99 100
42 18.2 15.4 23.0
71 36.7 30.6 46.0

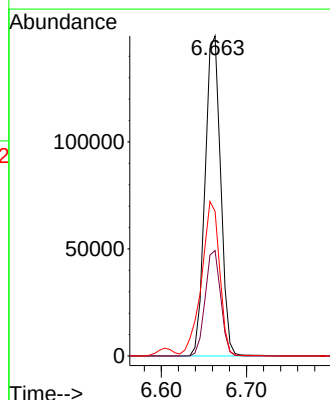
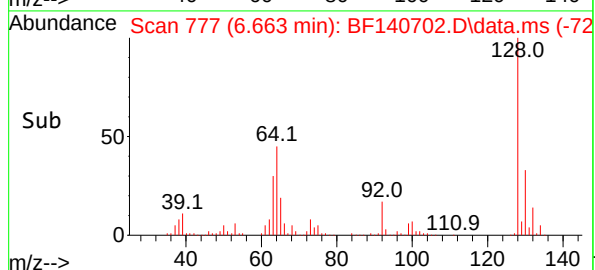
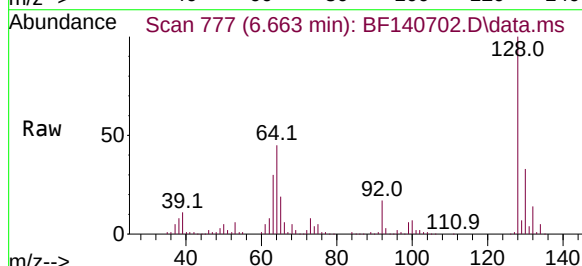
Manual Integrations
APPROVED

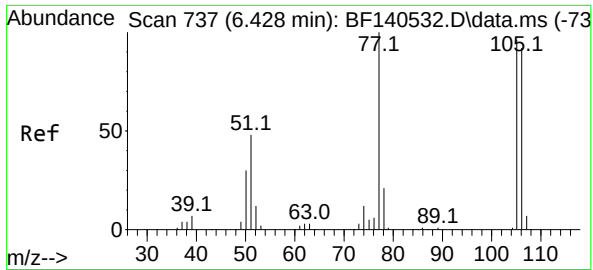
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#8
2-Chlorophenol
Concen: 38.325 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion:128 Resp: 189885
Ion Ratio Lower Upper
128 100
130 33.0 12.3 52.3
64 45.2 30.2 70.2





#9

Benzaldehyde

Concen: 37.882 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 12209

Ion Ratio Lower Upper

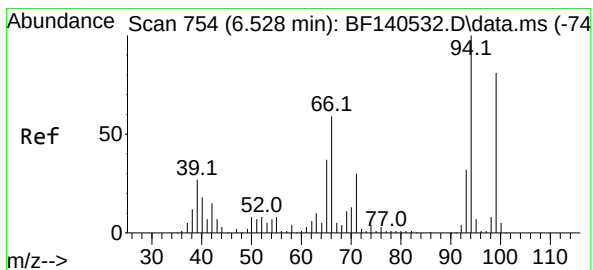
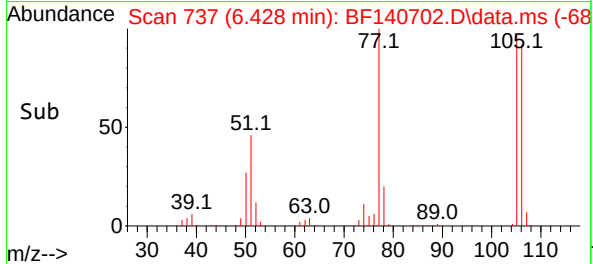
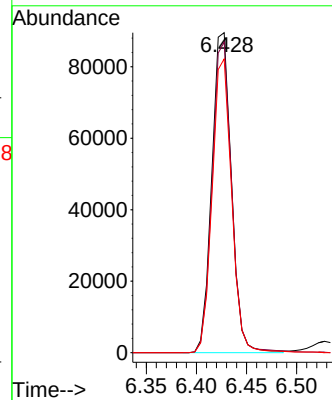
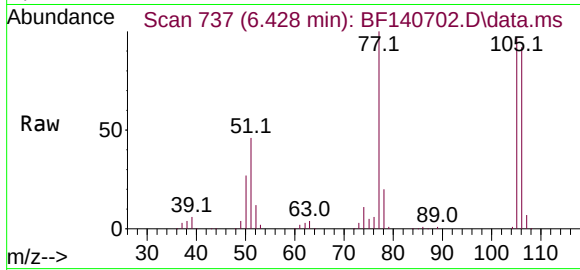
77 100

105 97.1 75.6 115.6

106 91.8 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#10

Phenol

Concen: 38.899 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

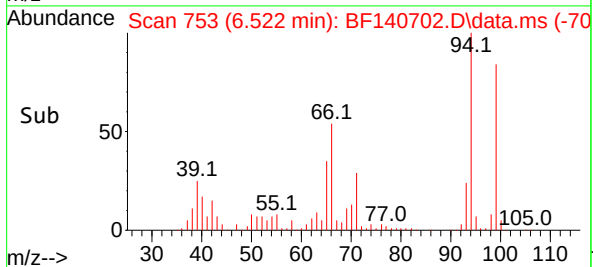
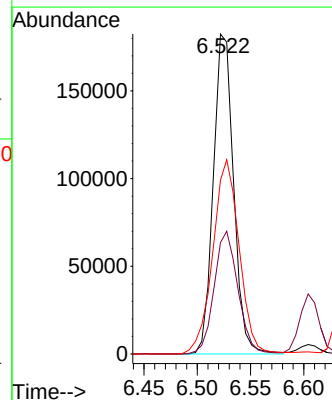
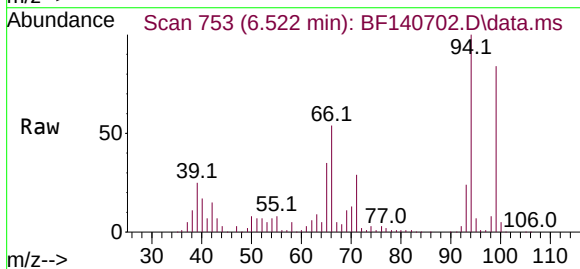
Tgt Ion: 94 Resp: 241863

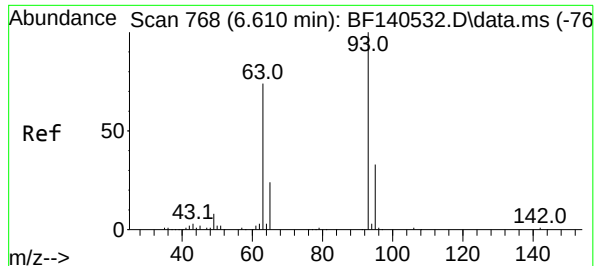
Ion Ratio Lower Upper

94 100

65 34.8 17.2 57.2

66 54.3 39.2 79.2





#11
bis(2-Chloroethyl)ether
Concen: 38.252 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

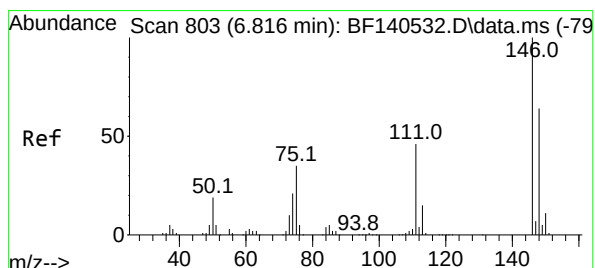
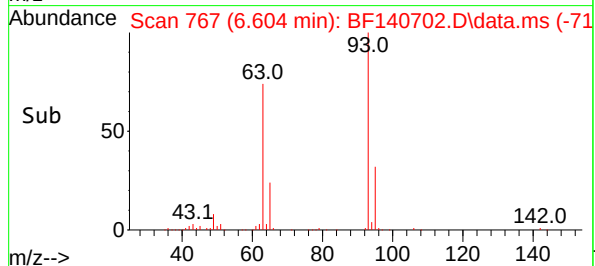
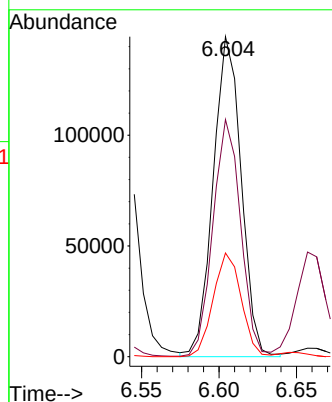
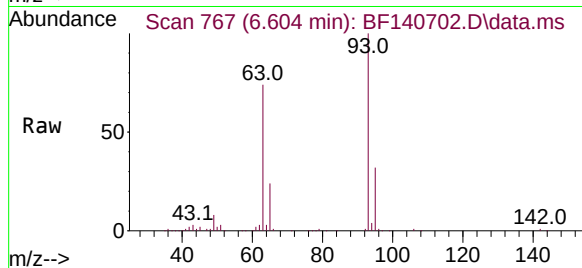
SSTDCCC040

Tgt Ion: 93 Resp: 18200
Ion Ratio Lower Upper
93 100
63 74.1 52.8 92.8
95 32.4 12.3 52.3

Manual Integrations

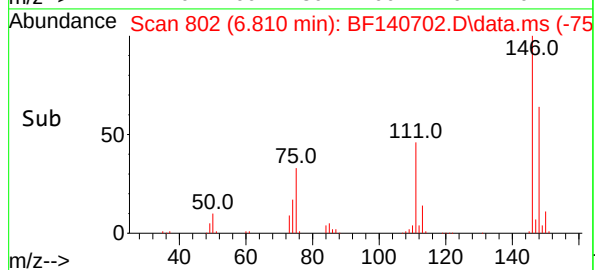
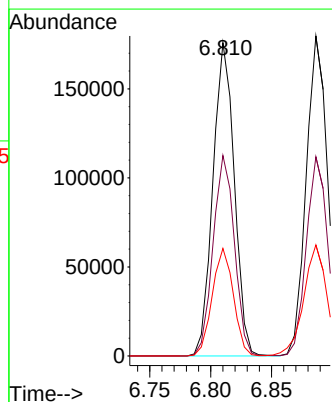
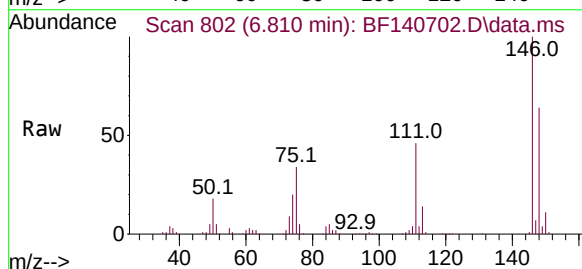
APPROVED

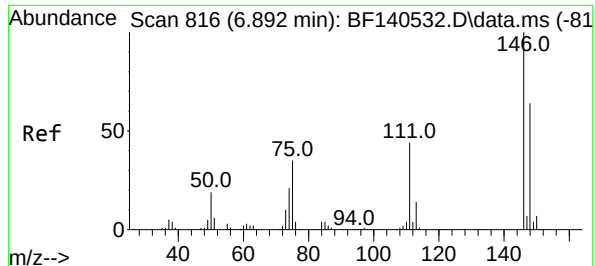
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#12
1,3-Dichlorobenzene
Concen: 38.625 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion:146 Resp: 215039
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 34.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 38.980 ng

RT: 6.886 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 219730

Ion Ratio Lower Upper

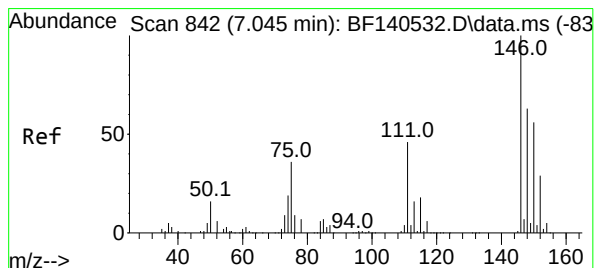
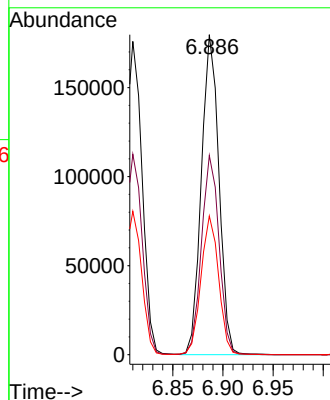
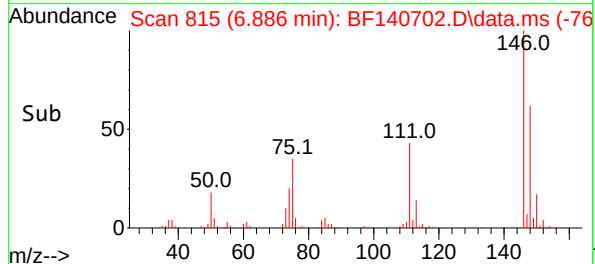
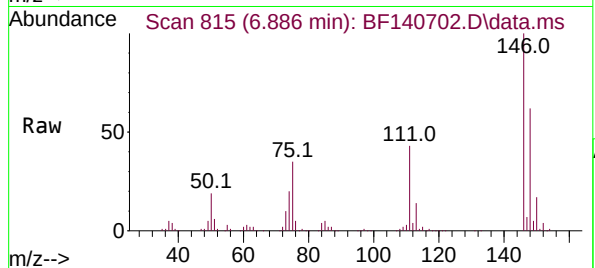
146 100

148 62.2 51.0 76.6

111 43.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#14

1,2-Dichlorobenzene

Concen: 39.066 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

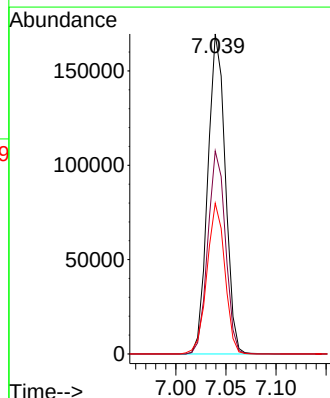
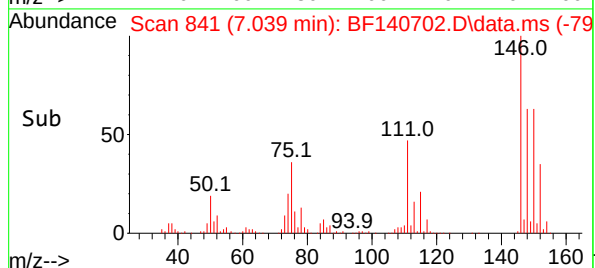
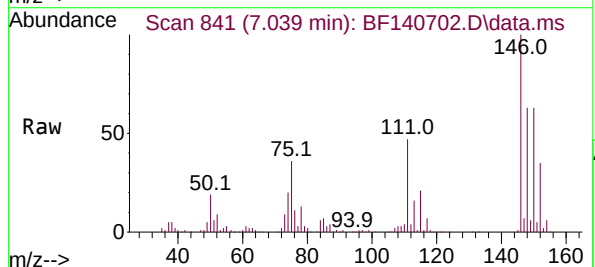
Tgt Ion:146 Resp: 206351

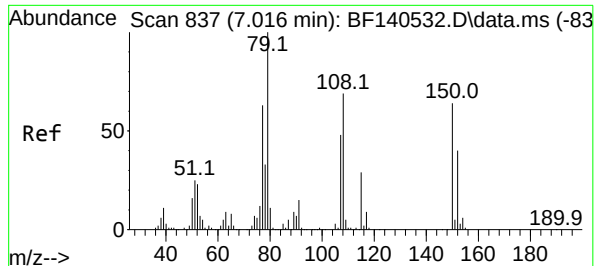
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

111 47.1 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.912 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 171178

Ion Ratio Lower Upper

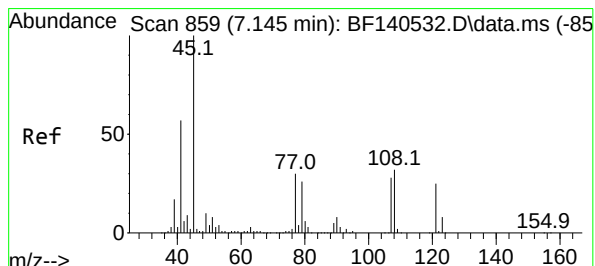
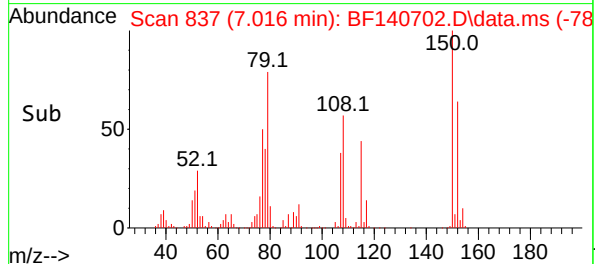
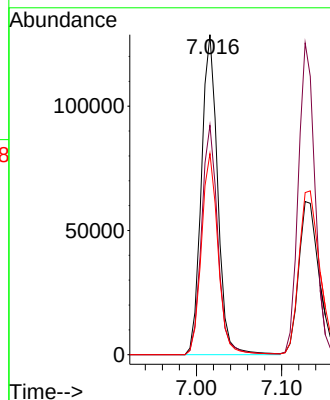
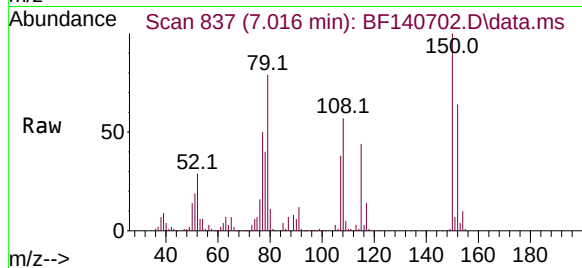
79 100

108 71.7 55.0 82.6

77 62.9 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.885 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

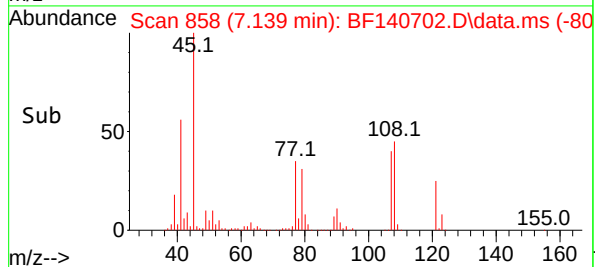
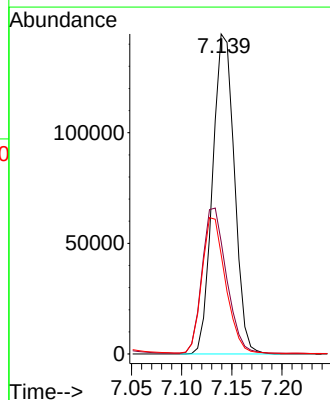
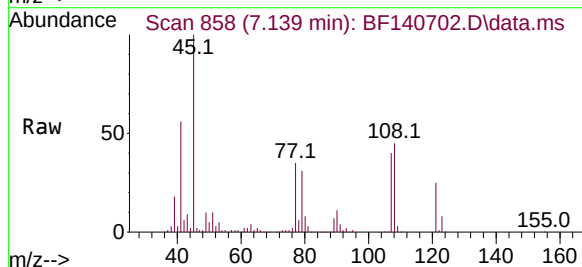
Tgt Ion: 45 Resp: 218575

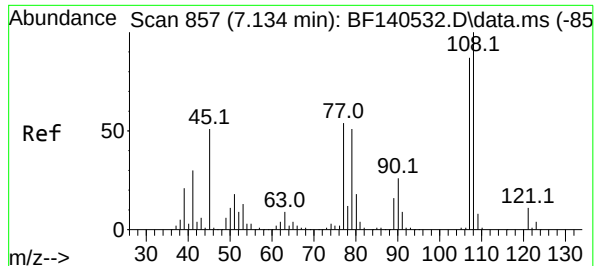
Ion Ratio Lower Upper

45 100

77 35.1 10.7 50.7

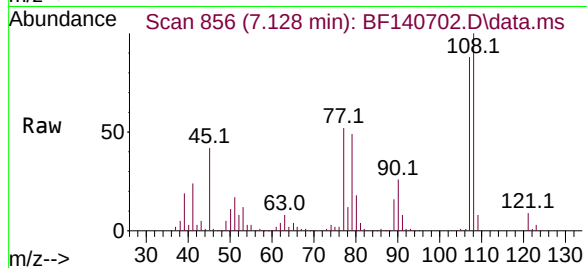
79 31.1 7.0 47.0





#17
2-Methylphenol
Concen: 37.747 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

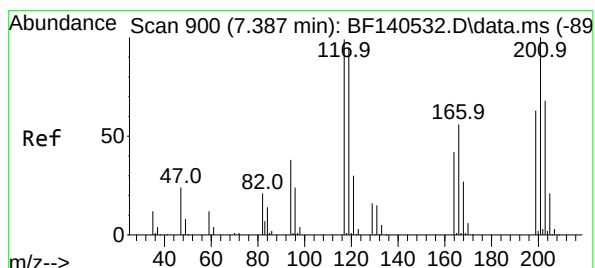
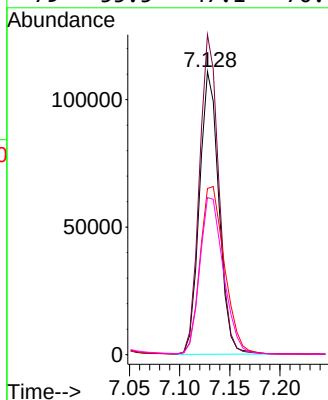
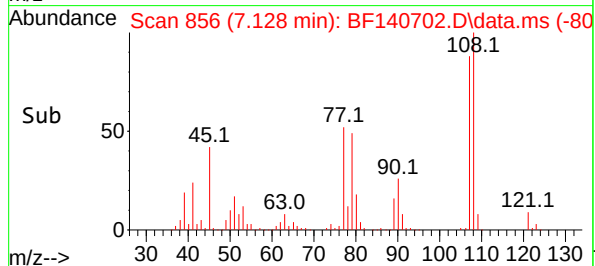
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 149709
Ion Ratio Lower Upper
107 100
108 113.0 91.7 137.5
77 58.7 49.3 73.9
79 55.5 47.1 70.7

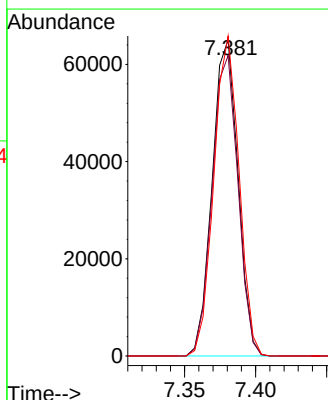
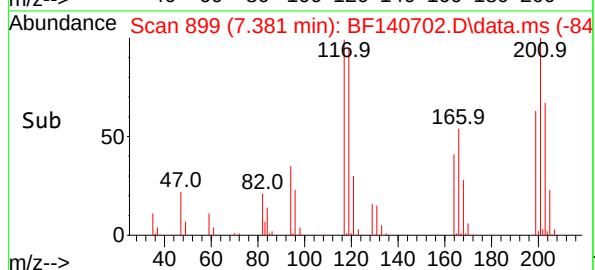
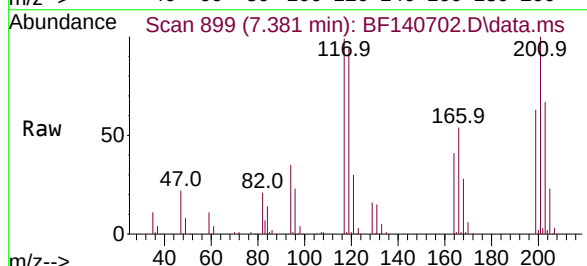
Manual Integrations
APPROVED

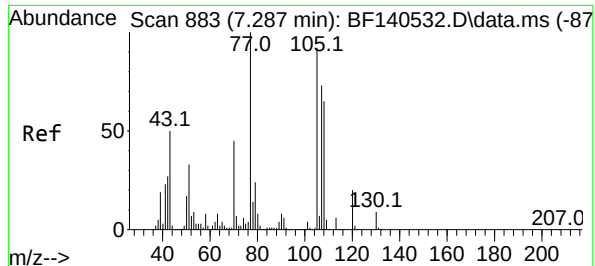
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#18
Hexachloroethane
Concen: 38.905 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion:117 Resp: 81909
Ion Ratio Lower Upper
117 100
119 95.1 77.1 115.7
201 101.2 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 38.140 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 137238

Ion Ratio Lower Upper

70 100

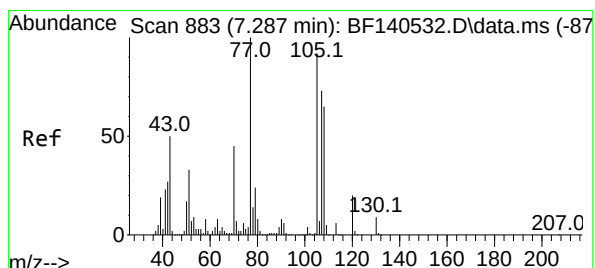
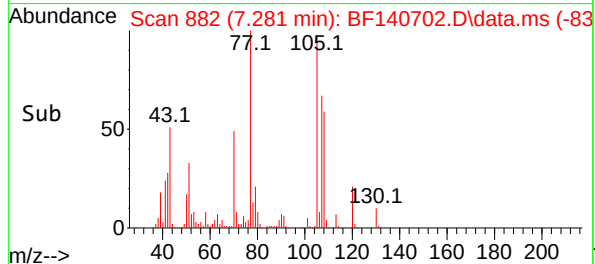
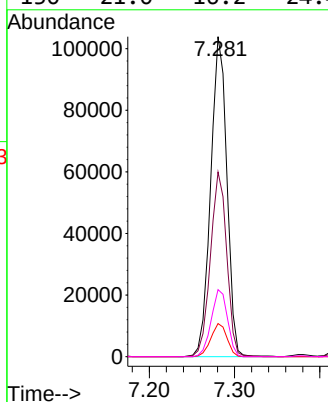
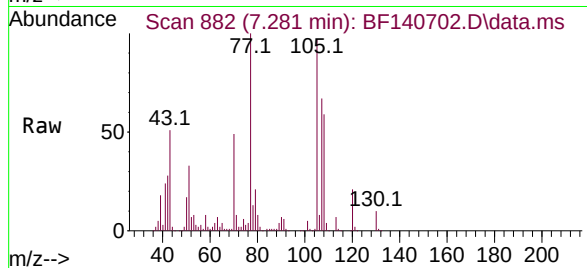
42 57.7 47.6 71.4

101 10.3 7.6 11.4

130 21.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#20

3+4-Methylphenols

Concen: 38.568 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Tgt Ion:107 Resp: 196617

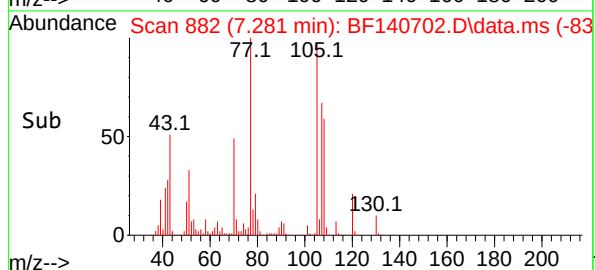
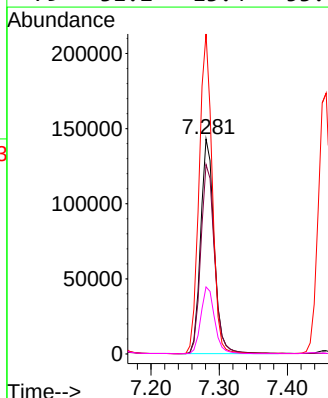
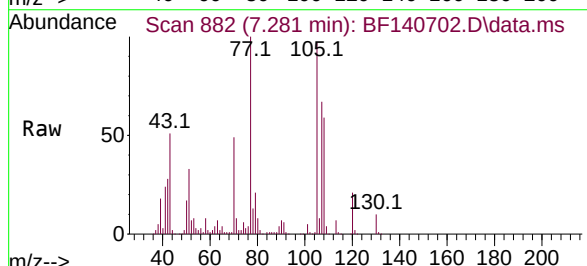
Ion Ratio Lower Upper

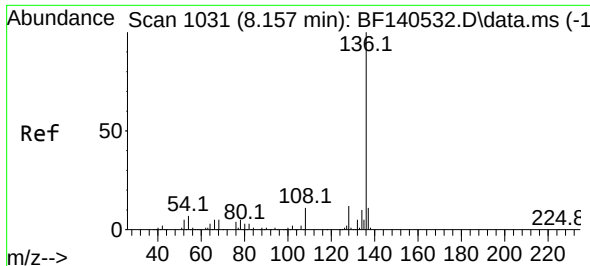
107 100

108 88.1 69.9 109.9

77 148.8 117.7 157.7

79 31.2 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: BF140702.D

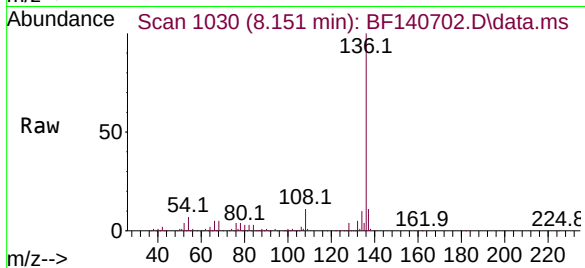
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 287970

Ion Ratio Lower Upper

136 100

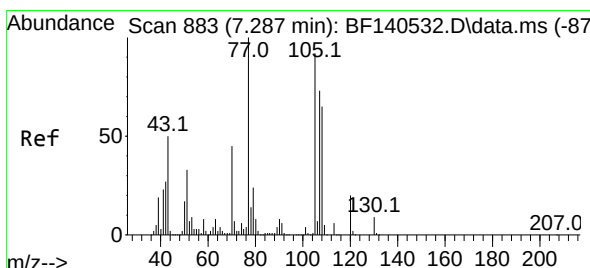
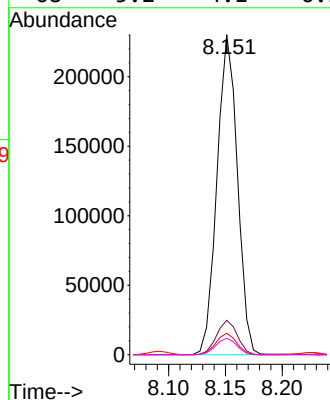
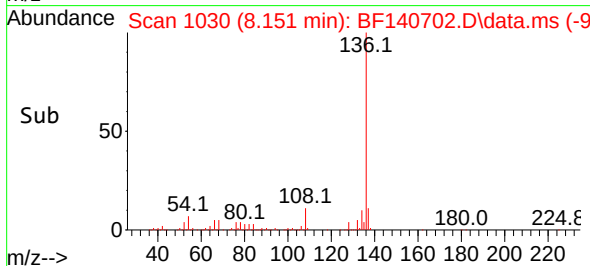
137 10.7 8.6 13.0

54 6.7 5.8 8.8

68 5.2 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#22

Acetophenone

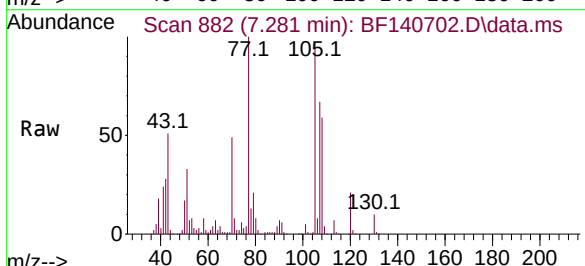
Concen: 38.257 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24



Tgt Ion:105 Resp: 268592

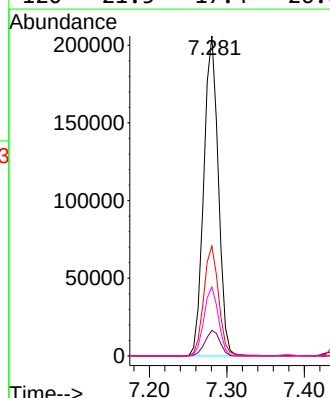
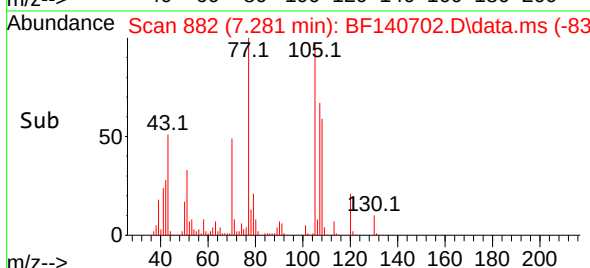
Ion Ratio Lower Upper

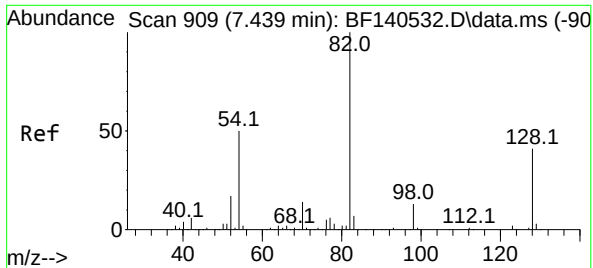
105 100

71 8.0 6.2 9.2

51 34.3 29.0 43.6

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 76.184 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 428914

Ion Ratio Lower Upper

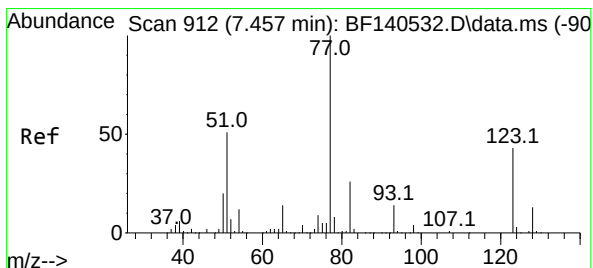
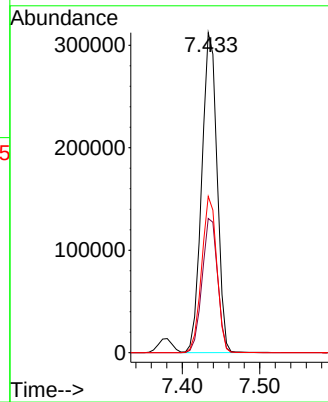
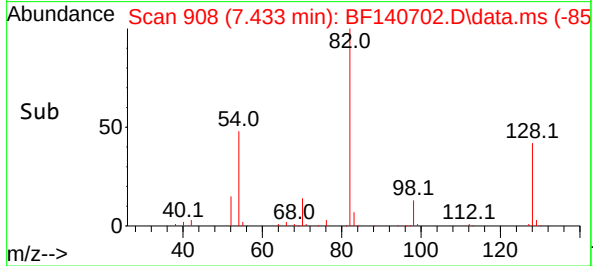
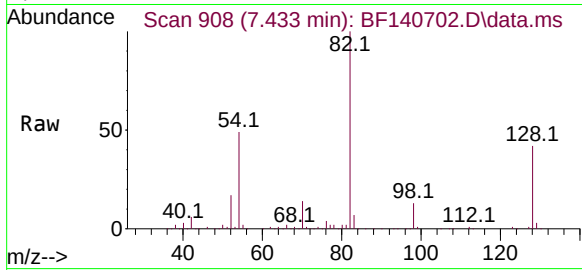
82 100

128 42.0 33.0 49.4

54 48.9 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#24

Nitrobenzene

Concen: 37.883 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

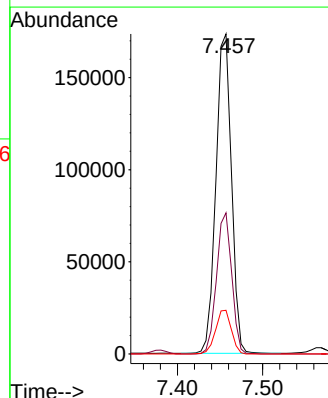
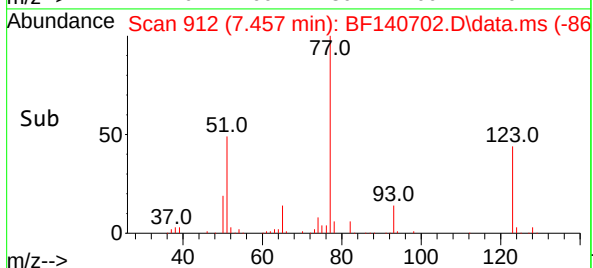
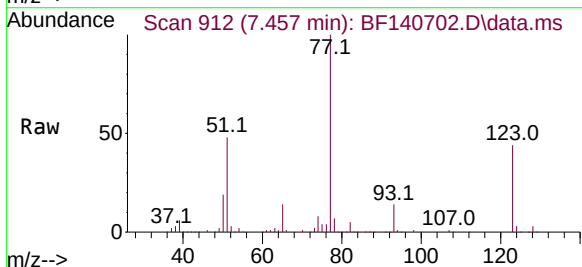
Tgt Ion: 77 Resp: 220435

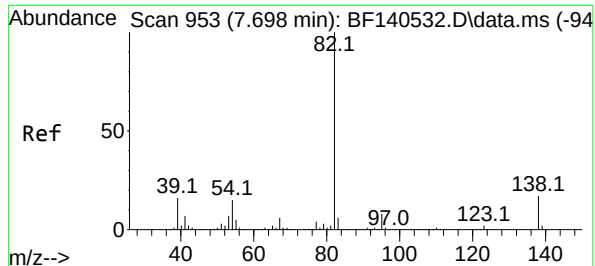
Ion Ratio Lower Upper

77 100

123 44.1 34.3 51.5

65 13.7 11.2 16.8





#25

Isophorone

Concen: 38.738 ng

RT: 7.692 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 363764

Ion Ratio Lower Upper

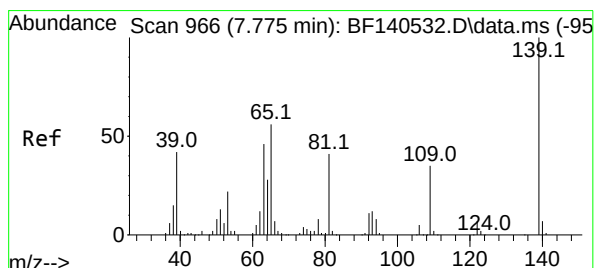
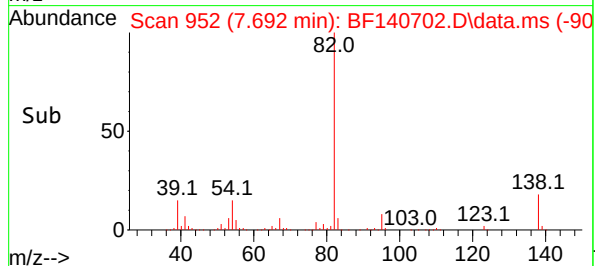
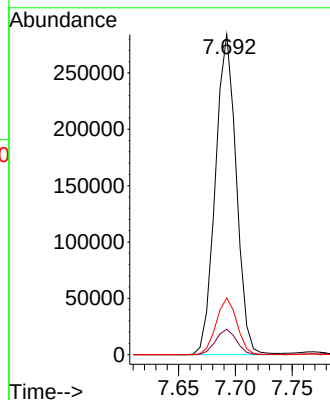
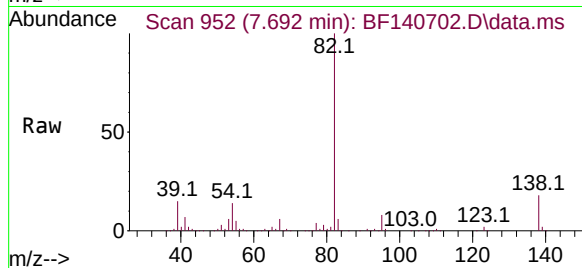
82 100

95 7.9 6.4 9.6

138 17.7 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#26

2-Nitrophenol

Concen: 38.717 ng

RT: 7.769 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

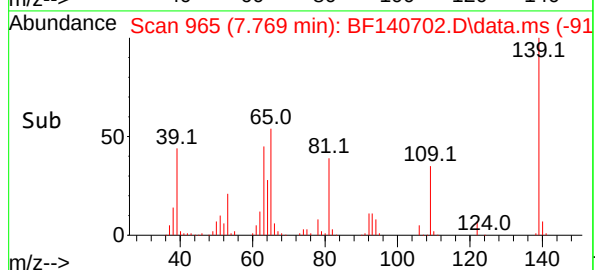
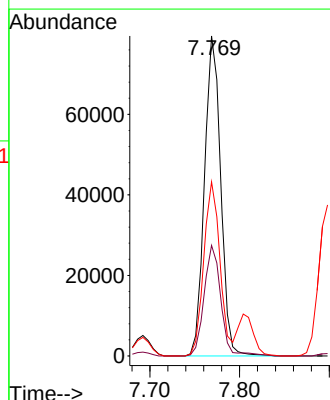
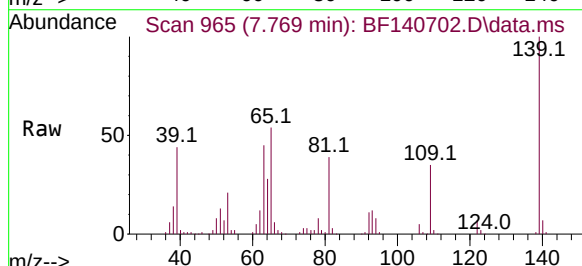
Tgt Ion:139 Resp: 99836

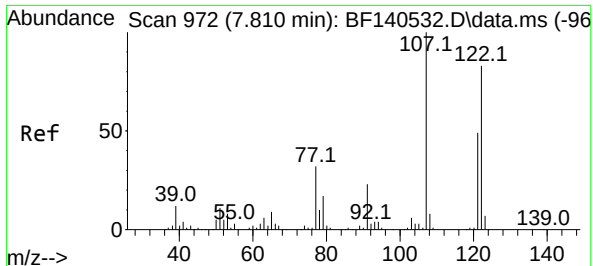
Ion Ratio Lower Upper

139 100

109 34.6 28.0 42.0

65 54.4 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 40.738 ng m

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 125689

Ion Ratio Lower Upper

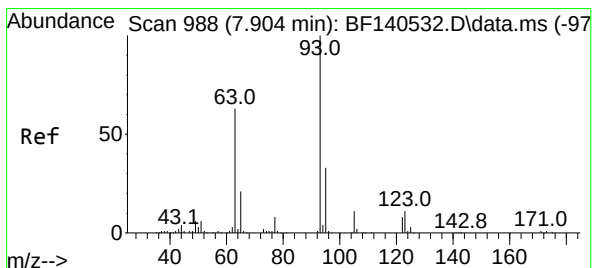
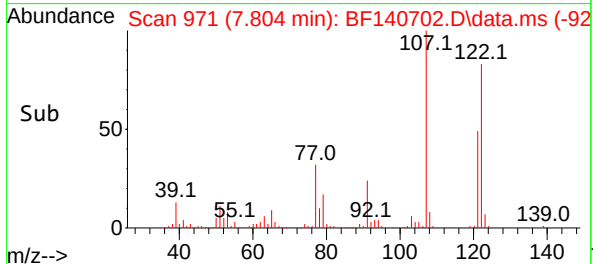
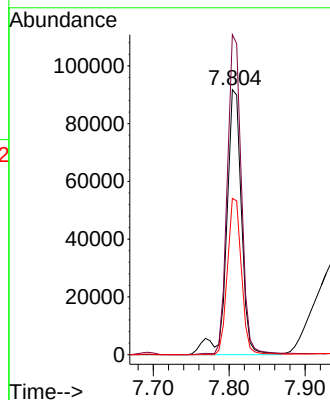
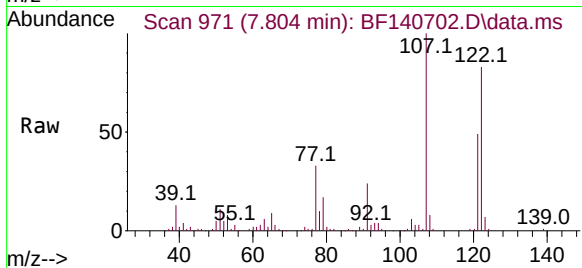
122 100

107 120.8 96.8 145.2

121 59.0 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#28

bis(2-Chloroethoxy)methane

Concen: 39.270 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

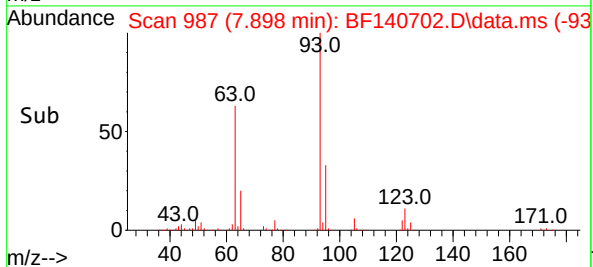
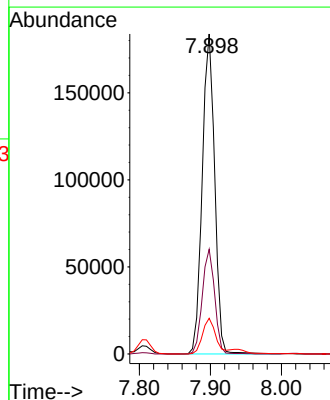
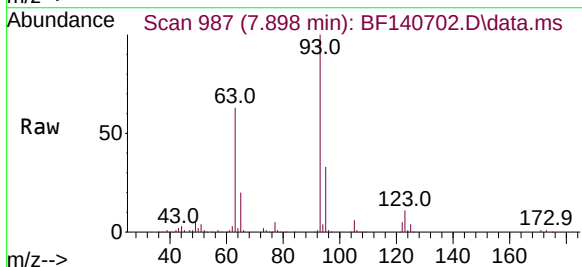
Tgt Ion: 93 Resp: 224648

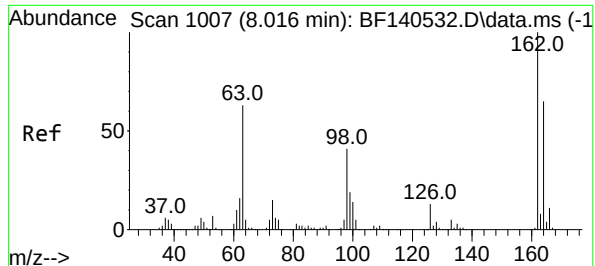
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 11.1 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 39.821 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

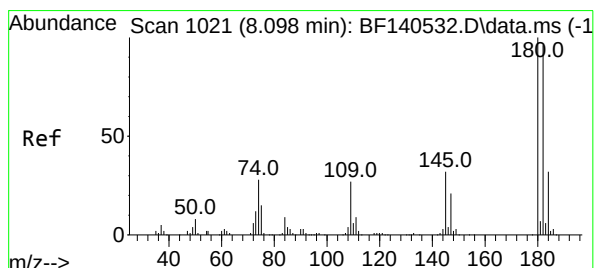
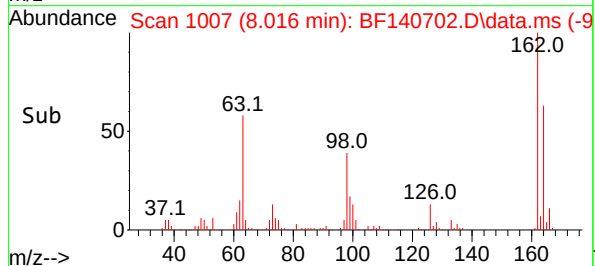
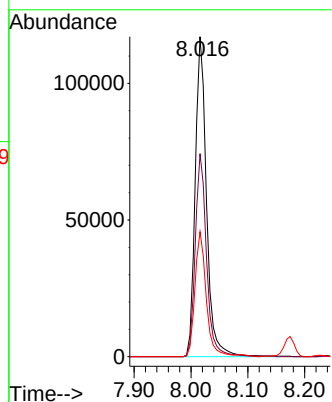
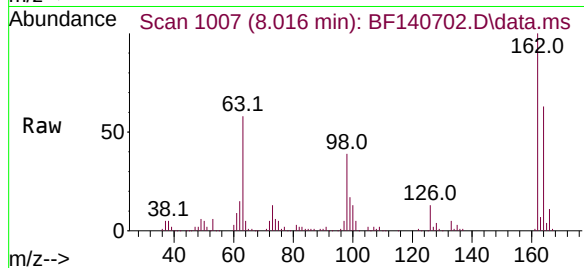
SSTDCCC040

Tgt Ion:162 Resp: 162790
Ion Ratio Lower Upper
162 100
164 63.4 44.8 84.8
98 39.0 21.2 61.2

Manual Integrations

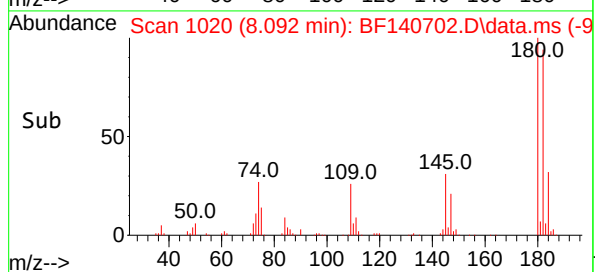
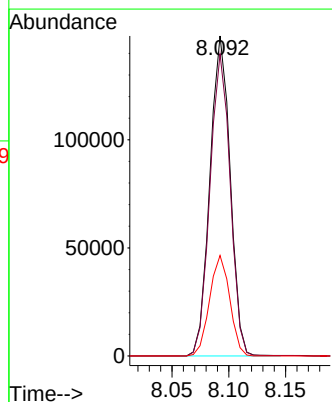
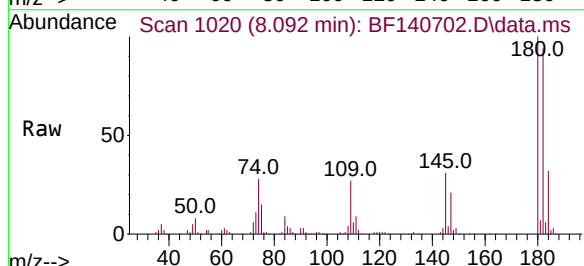
APPROVED

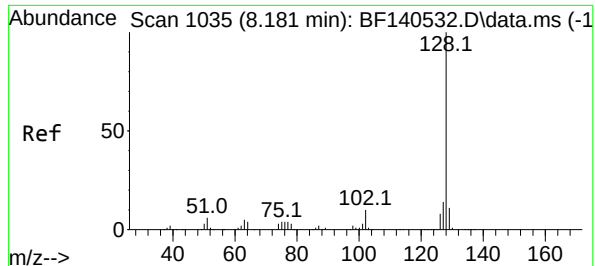
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#30
1,2,4-Trichlorobenzene
Concen: 39.354 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion:180 Resp: 183699
Ion Ratio Lower Upper
180 100
182 94.3 76.4 114.6
145 31.4 25.9 38.9





#31

Naphthalene

Concen: 38.658 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 573428

Ion Ratio Lower Upper

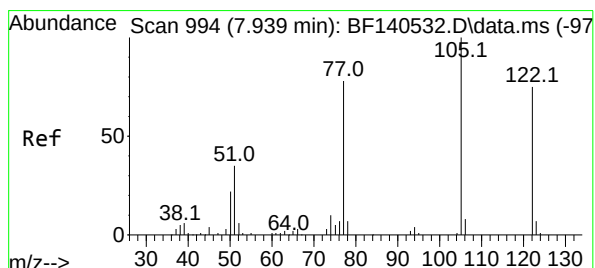
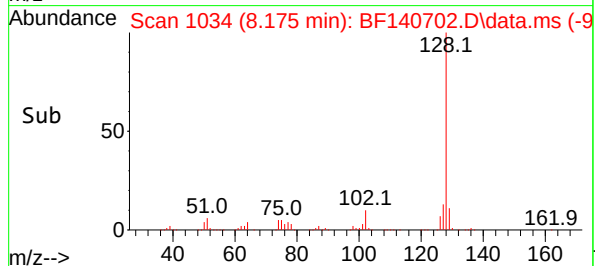
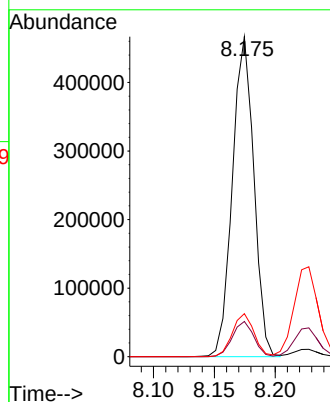
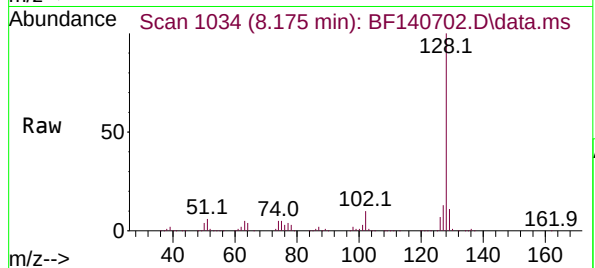
128 100

129 11.0 8.6 13.0

127 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#32

Benzoic acid

Concen: 35.627 ng

RT: 7.933 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

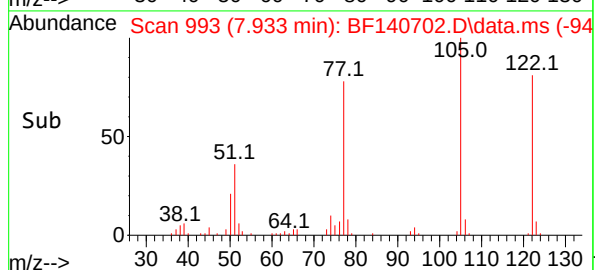
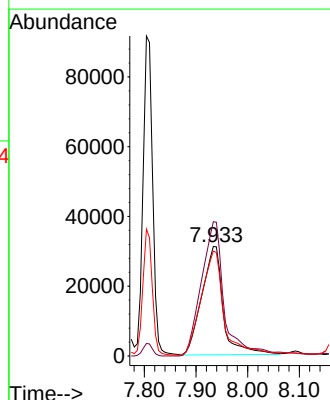
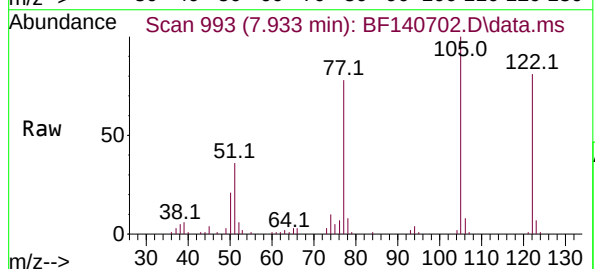
Tgt Ion:122 Resp: 89798

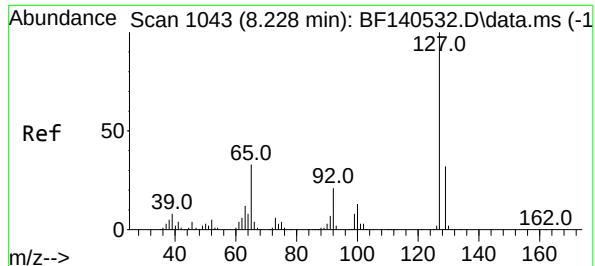
Ion Ratio Lower Upper

122 100

105 122.8 109.3 149.3

77 95.9 82.3 122.3





#33

4-Chloroaniline

Concen: 42.636 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 18935

Ion Ratio Lower Upper

127 100

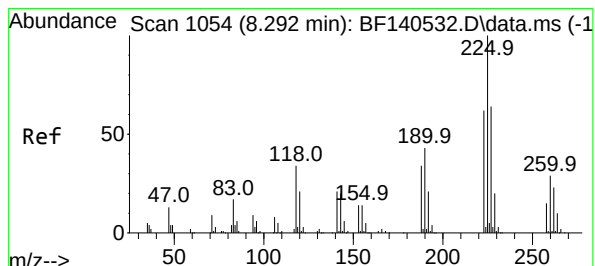
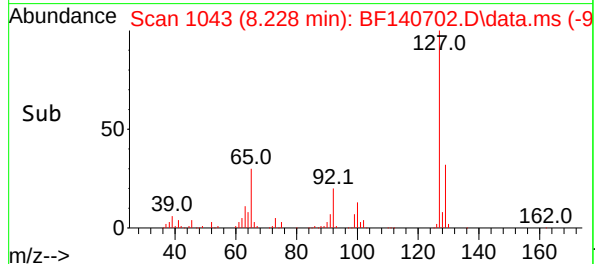
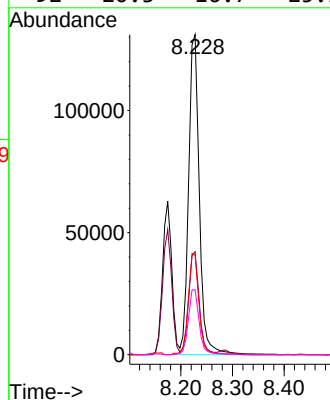
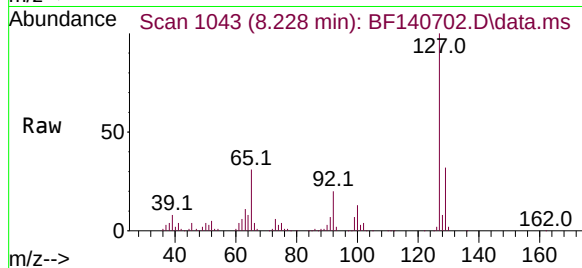
129 32.1 26.0 39.0

65 31.1 26.0 39.0

92 20.3 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#34

Hexachlorobutadiene

Concen: 40.096 ng

RT: 8.286 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

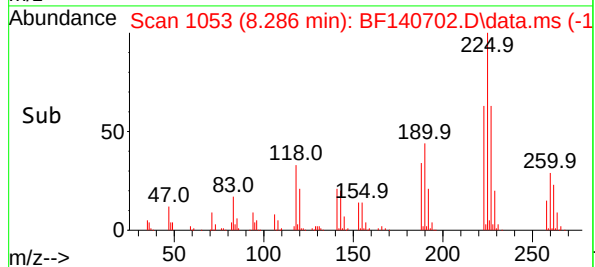
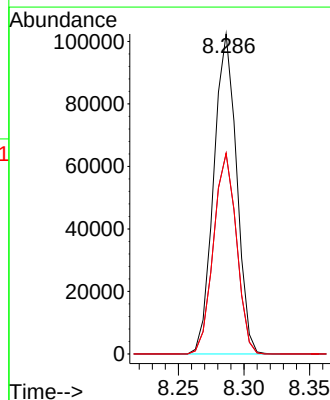
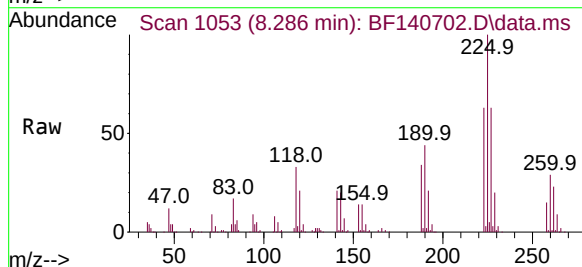
Tgt Ion:225 Resp: 123968

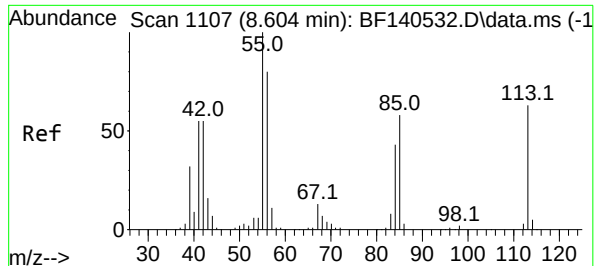
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.8

227 62.7 51.3 76.9





#35

Caprolactam

Concen: 37.400 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 47318

Ion Ratio Lower Upper

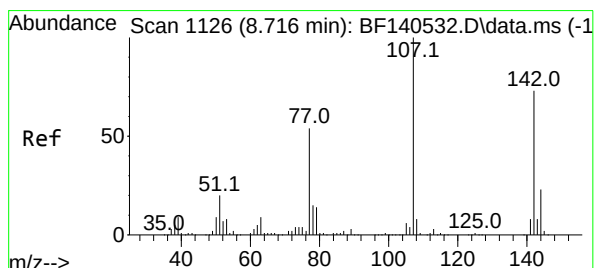
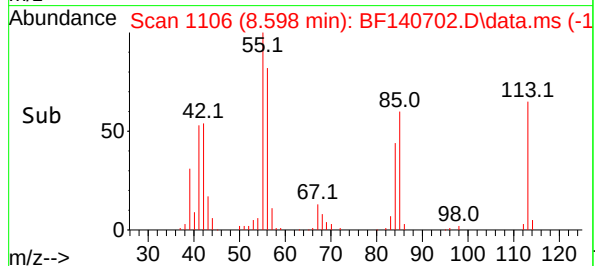
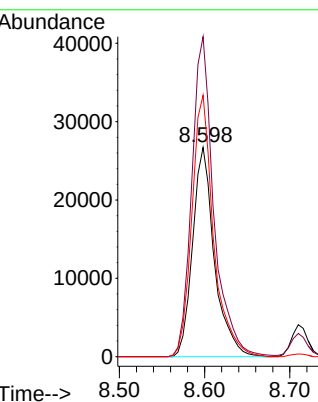
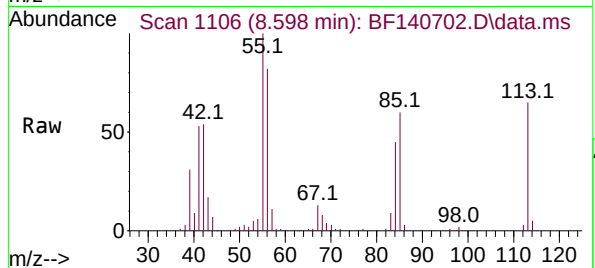
113 100

55 152.8 137.7 177.7

56 124.9 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#36

4-Chloro-3-methylphenol

Concen: 38.355 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

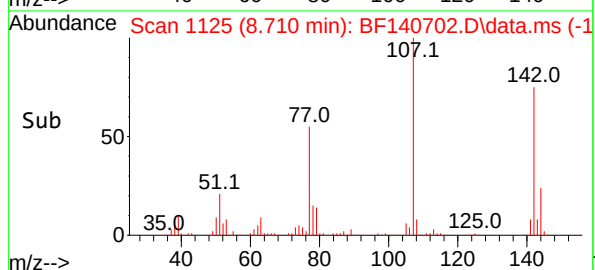
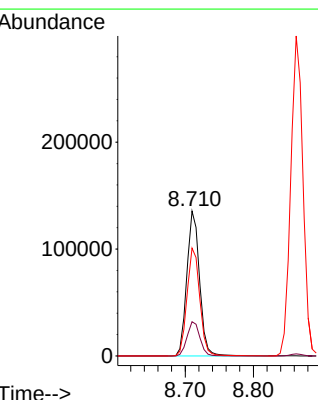
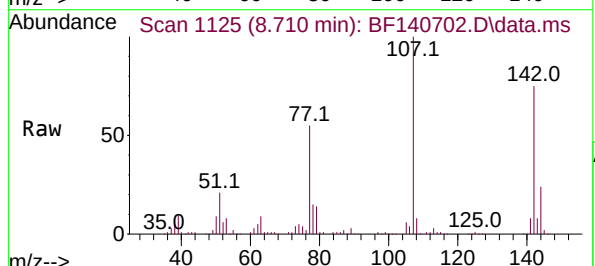
Tgt Ion:107 Resp: 175561

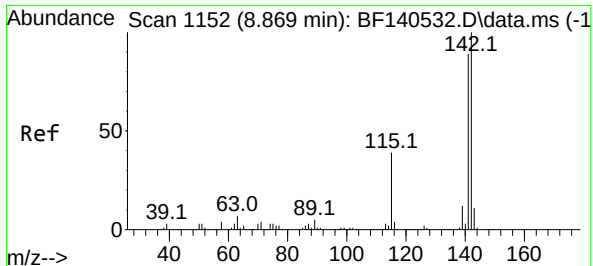
Ion Ratio Lower Upper

107 100

144 23.7 18.7 28.1

142 74.5 58.3 87.5





#37

2-Methylnaphthalene

Concen: 39.683 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 373870

Ion Ratio Lower Upper

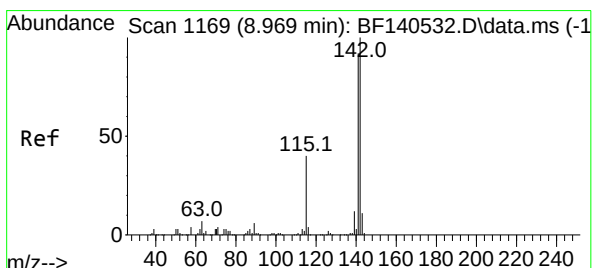
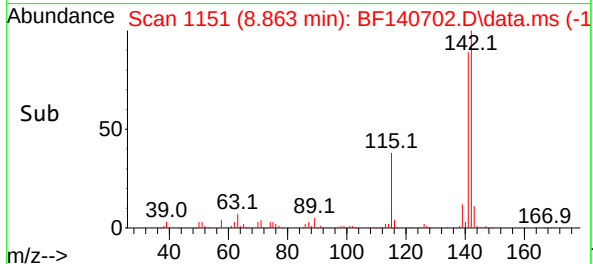
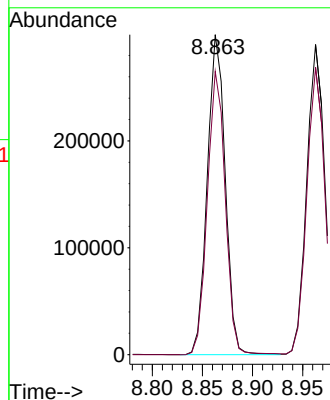
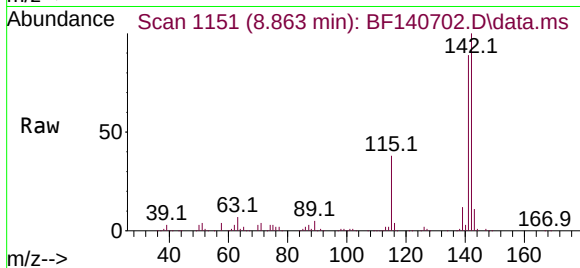
142 100

141 88.5 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#38

1-Methylnaphthalene

Concen: 38.933 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140702.D

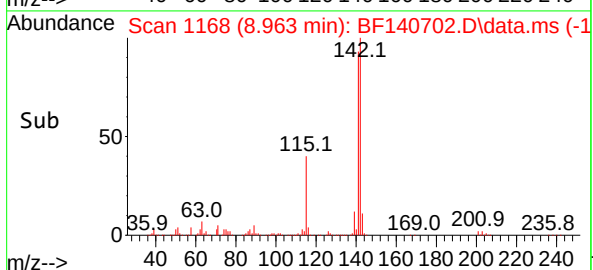
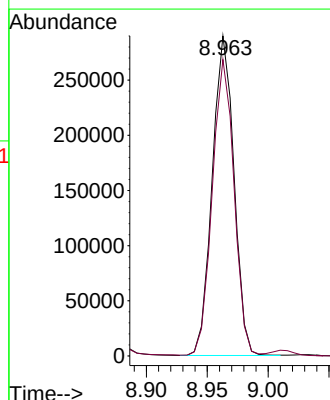
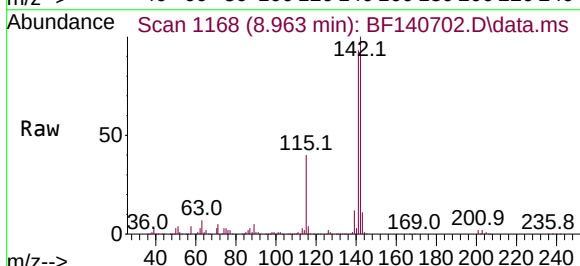
Acq: 03 Dec 2024 11:24

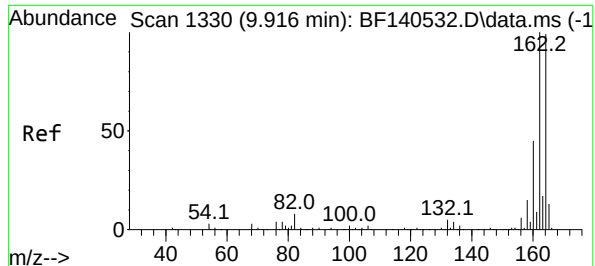
Tgt Ion:142 Resp: 359542

Ion Ratio Lower Upper

142 100

141 92.7 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: BF140702.D

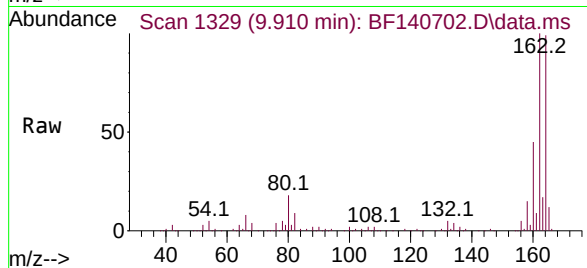
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 161859

Ion Ratio Lower Upper

164 100

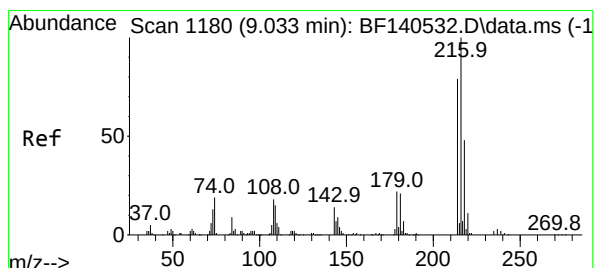
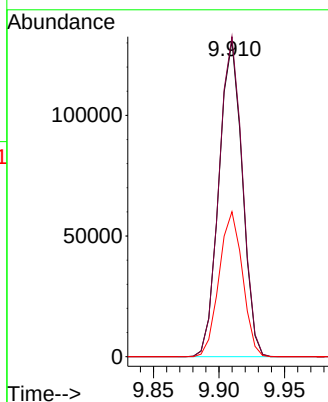
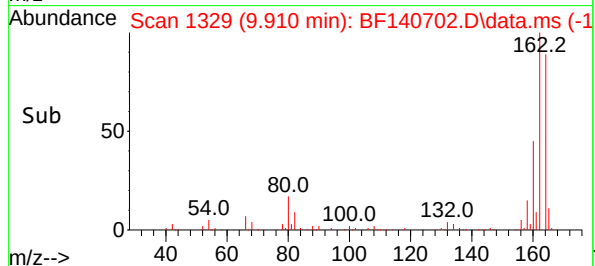
162 101.4 80.6 120.8

160 45.9 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

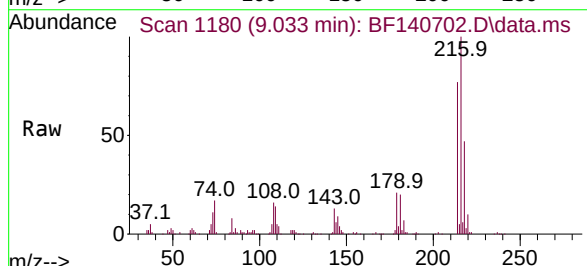
Concen: 39.292 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24



Tgt Ion:216 Resp: 186183

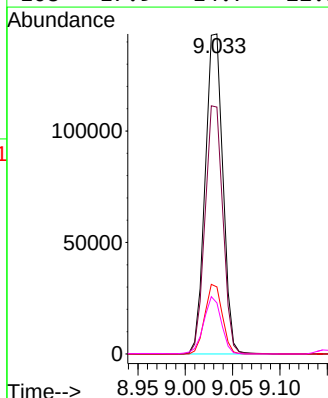
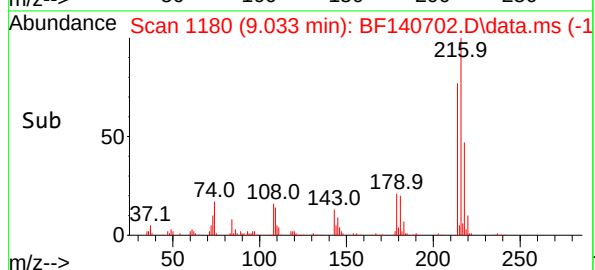
Ion Ratio Lower Upper

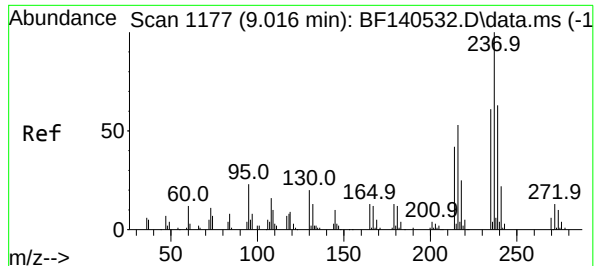
216 100

214 77.9 63.0 94.4

179 21.4 17.5 26.3

108 17.9 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 46.421 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 4585

Ion Ratio Lower Upper

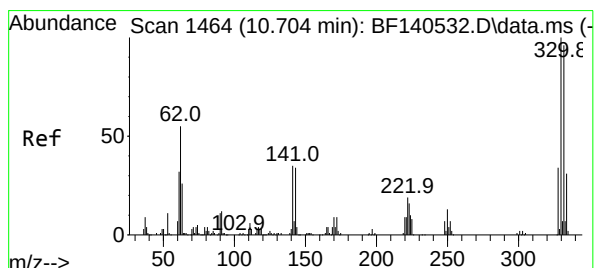
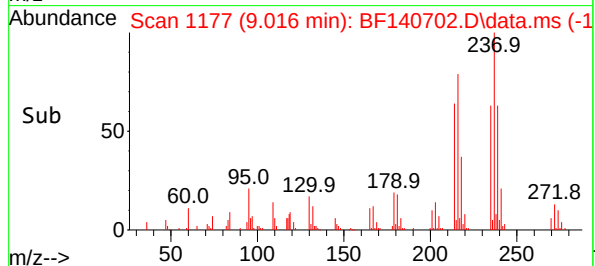
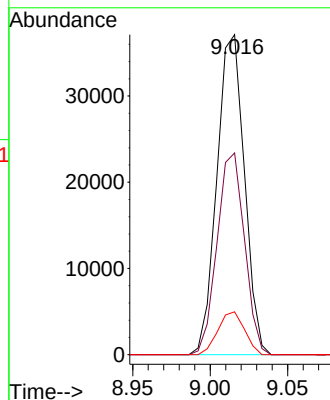
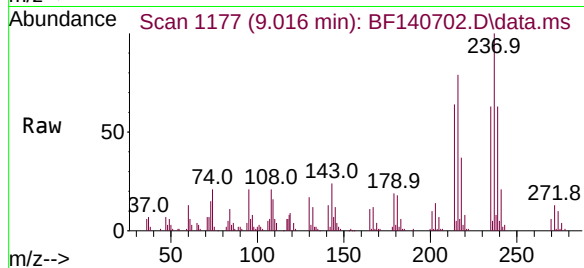
237 100

235 63.0 41.1 81.1

272 13.4 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#42

2,4,6-Tribromophenol

Concen: 78.050 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

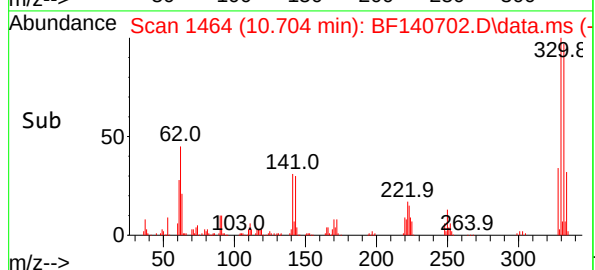
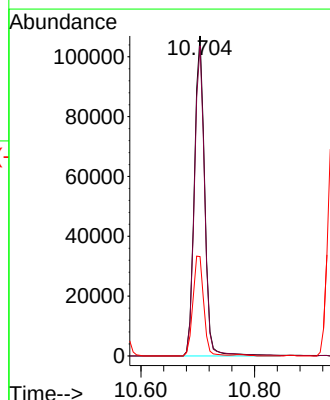
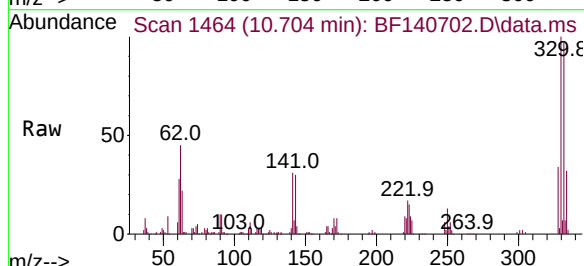
Tgt Ion:330 Resp: 135112

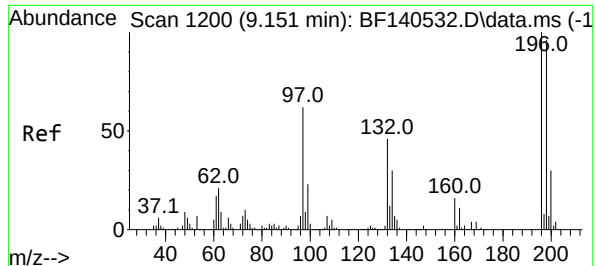
Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 32.6 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 39.253 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 11671

Ion Ratio Lower Upper

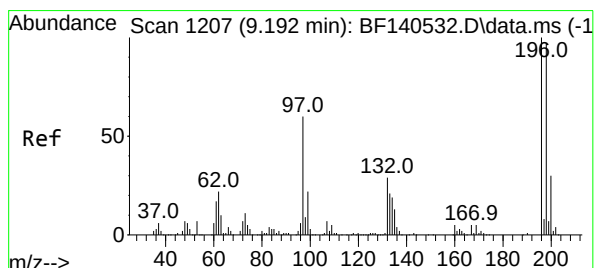
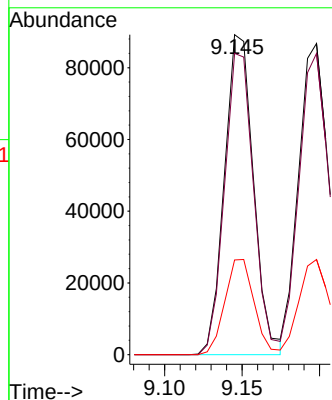
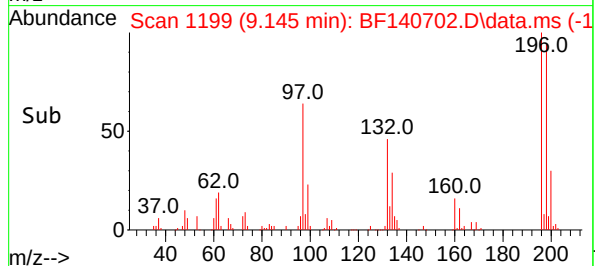
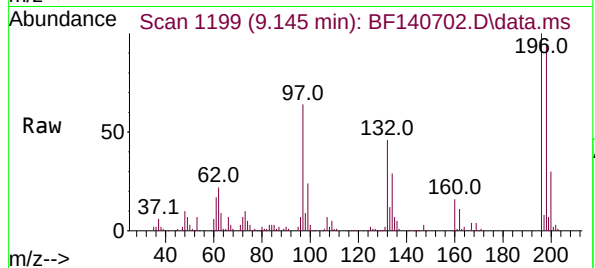
196 100

198 94.2 76.8 115.2

200 29.6 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#44

2,4,5-Trichlorophenol

Concen: 38.605 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Tgt Ion:196 Resp: 124573

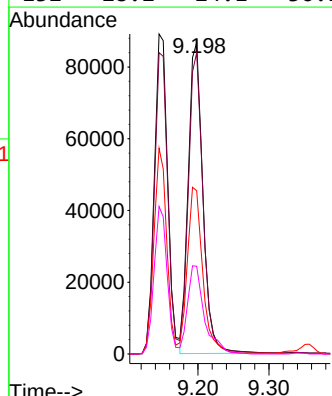
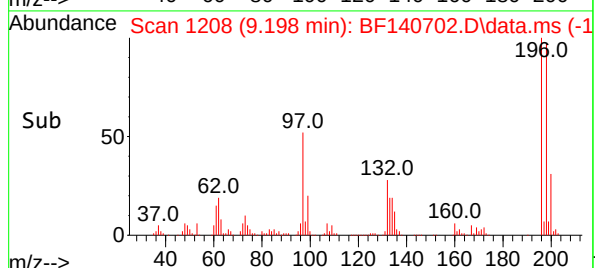
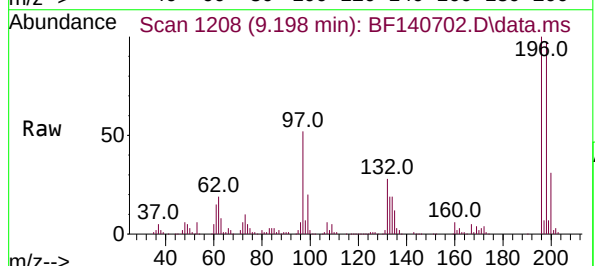
Ion Ratio Lower Upper

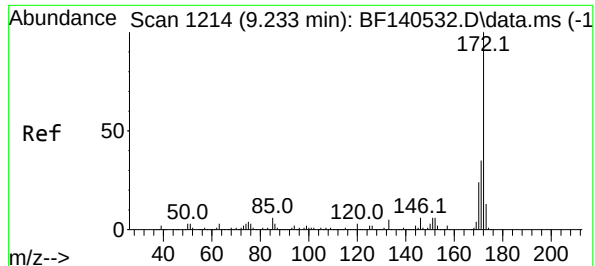
196 100

198 96.8 77.2 115.8

97 52.5 47.1 70.7

132 28.2 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 78.355 ng

RT: 9.227 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 851200

Ion Ratio Lower Upper

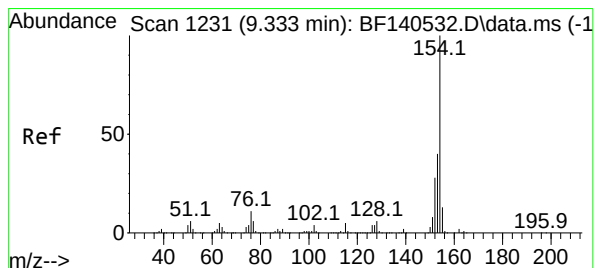
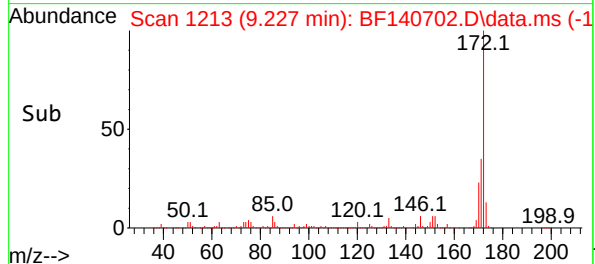
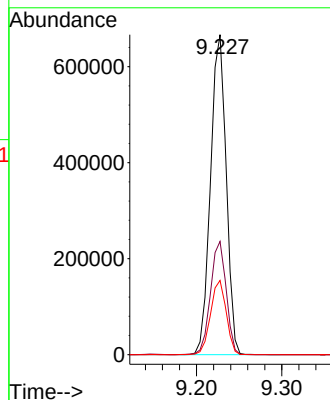
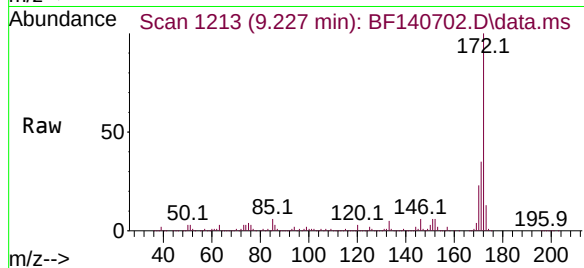
172 100

171 35.4 28.4 42.6

170 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#46

1,1'-Biphenyl

Concen: 39.625 ng

RT: 9.327 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

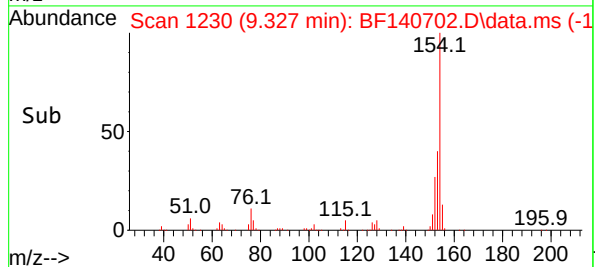
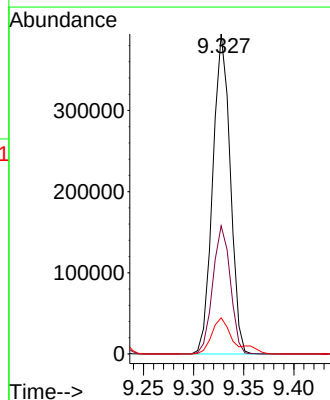
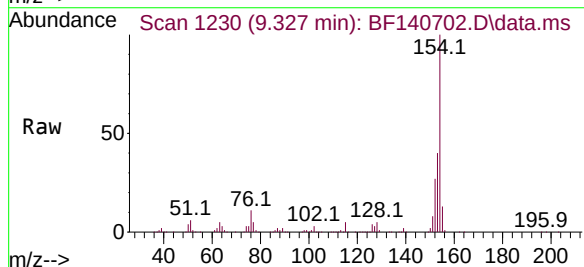
Tgt Ion:154 Resp: 478849

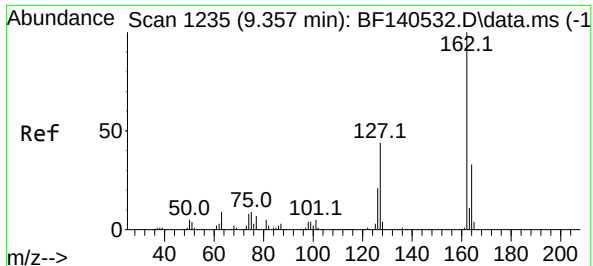
Ion Ratio Lower Upper

154 100

153 40.1 20.4 60.4

76 11.3 0.0 31.2





#47

2-Chloronaphthalene

Concen: 38.572 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 35319

Ion Ratio Lower Upper

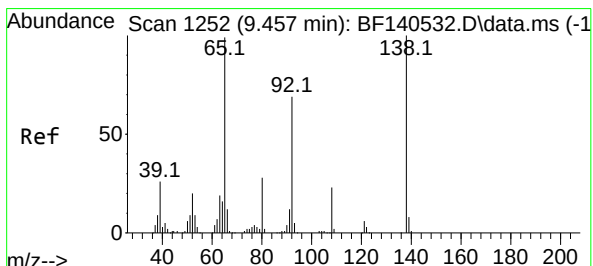
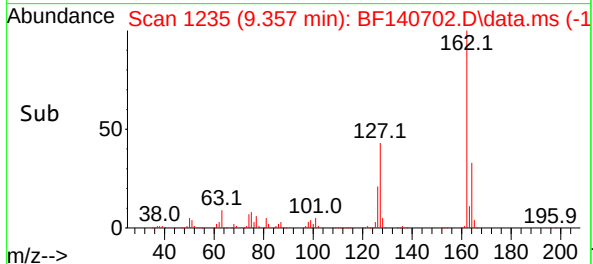
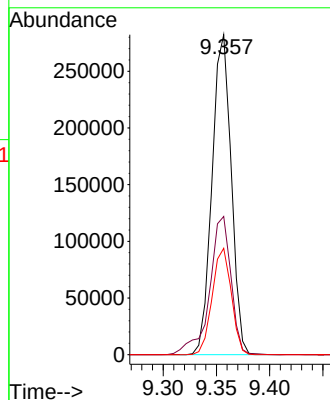
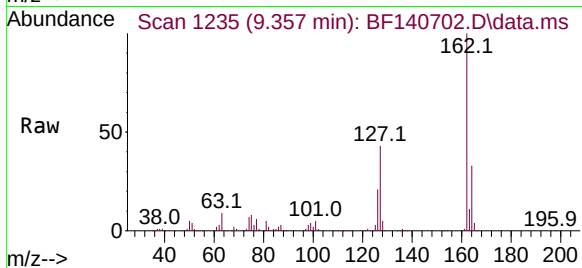
162 100

127 43.2 35.7 53.5

164 33.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#48

2-Nitroaniline

Concen: 37.346 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

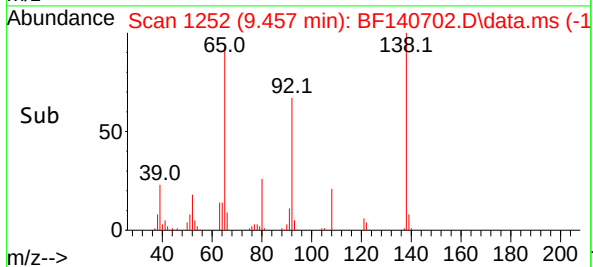
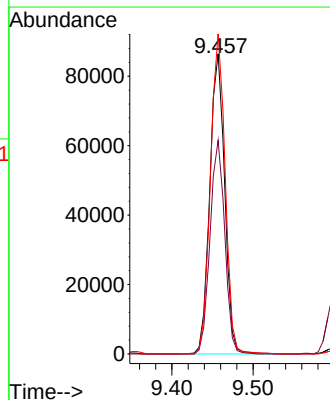
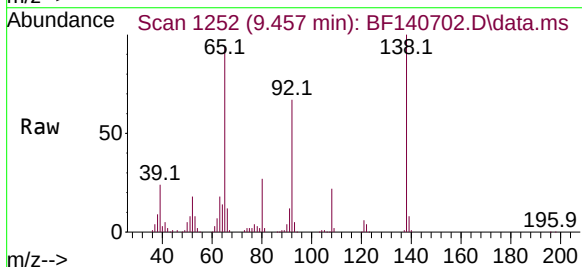
Tgt Ion: 65 Resp: 109766

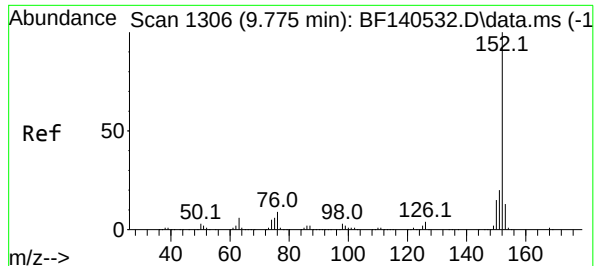
Ion Ratio Lower Upper

65 100

92 71.1 56.1 84.1

138 106.5 81.0 121.6





#49

Acenaphthylene

Concen: 38.719 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 535680

Ion Ratio Lower Upper

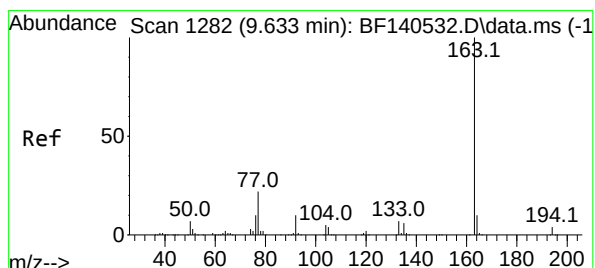
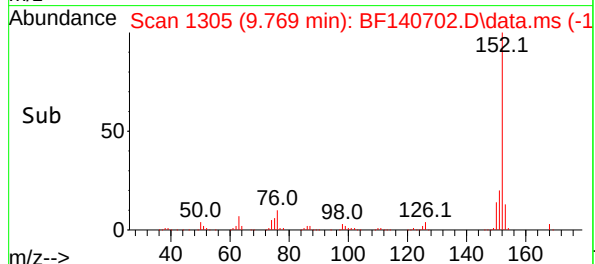
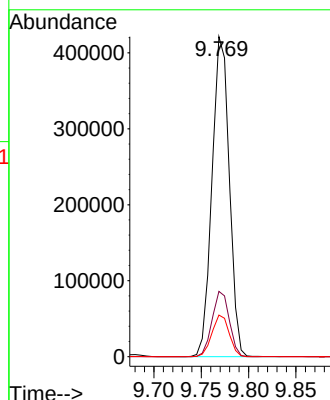
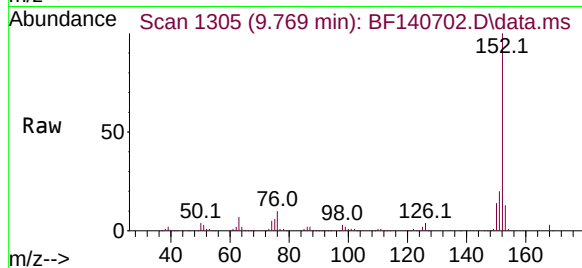
152 100

151 20.4 15.9 23.9

153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#50

Dimethylphthalate

Concen: 39.405 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

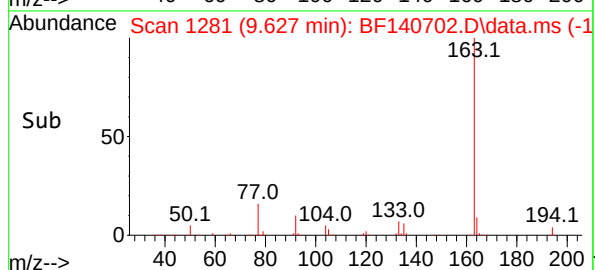
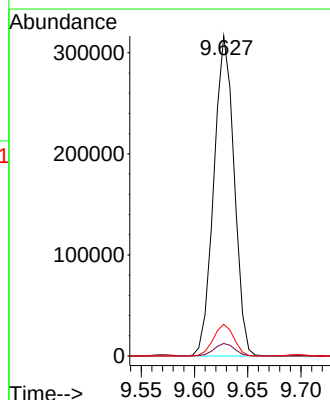
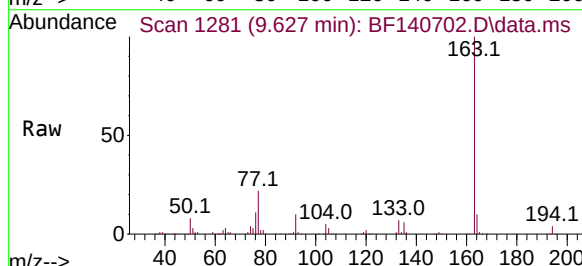
Tgt Ion:163 Resp: 420054

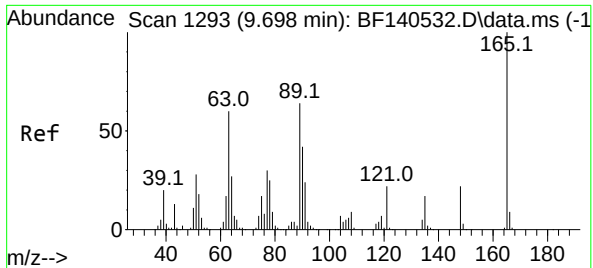
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.9 8.2 12.2





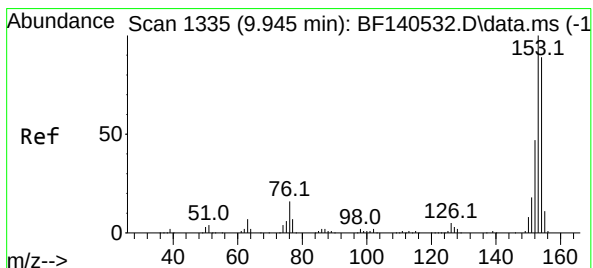
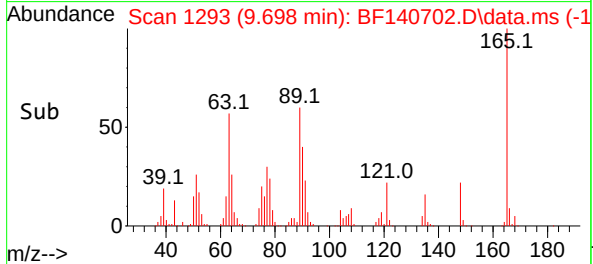
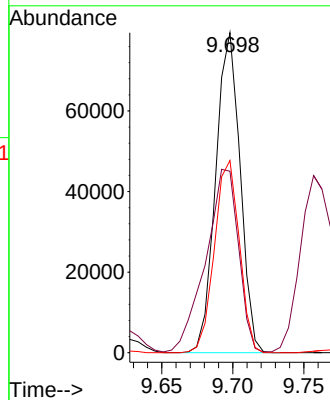
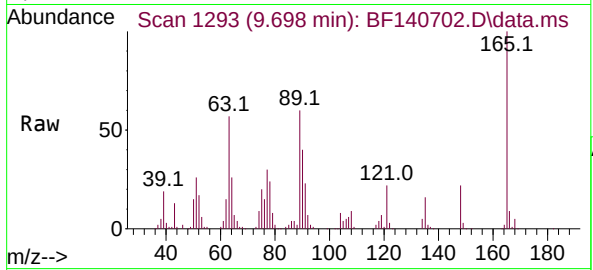
#51
2,6-Dinitrotoluene
Concen: 39.292 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 94994
Ion Ratio Lower Upper
165 100
63 56.7 49.9 74.9
89 60.0 50.9 76.3

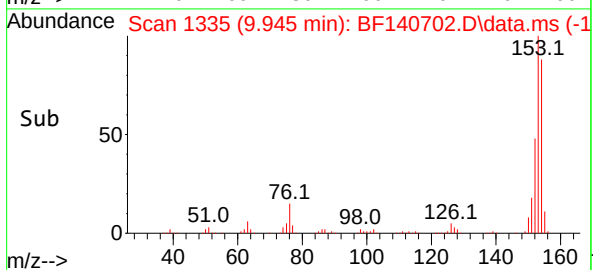
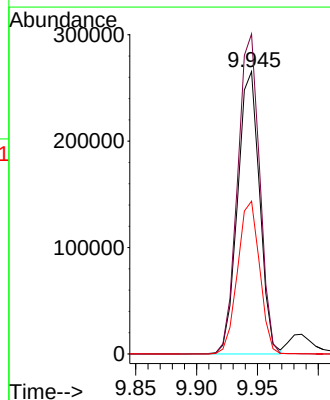
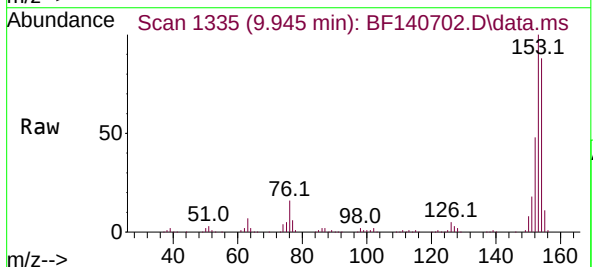
Manual Integrations
APPROVED

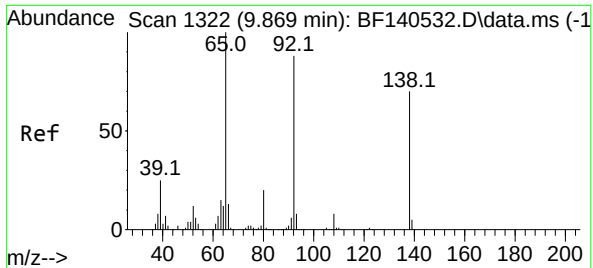
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#52
Acenaphthene
Concen: 37.968 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

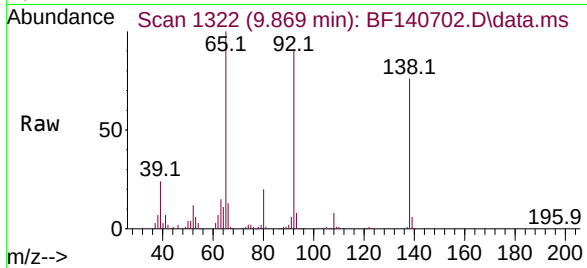
Tgt Ion:154 Resp: 333771
Ion Ratio Lower Upper
154 100
153 113.3 89.7 134.5
152 54.1 42.5 63.7





#53
3-Nitroaniline
Concen: 40.066 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

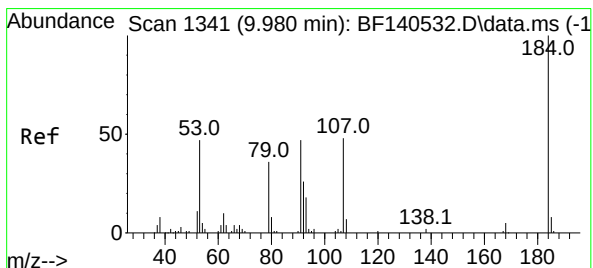
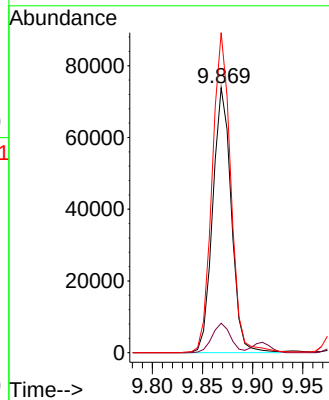
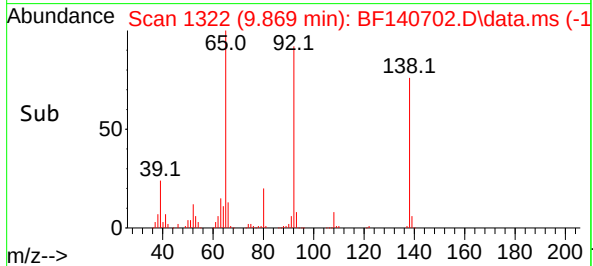
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 94739
Ion Ratio Lower Upper
138 100
108 11.1 9.2 13.8
92 120.7 100.6 150.8

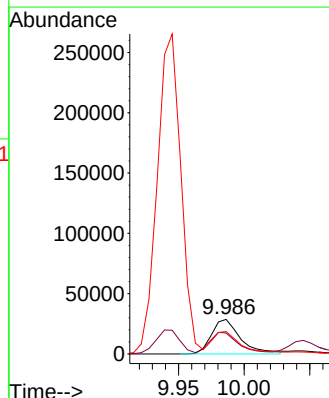
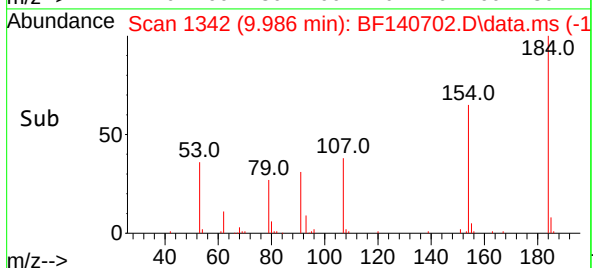
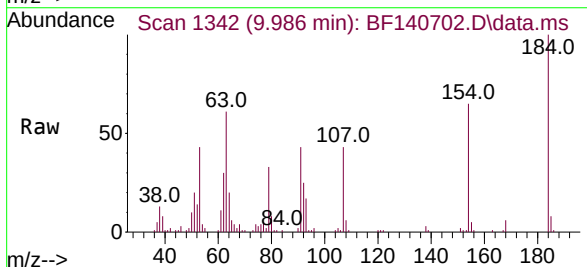
Manual Integrations
APPROVED

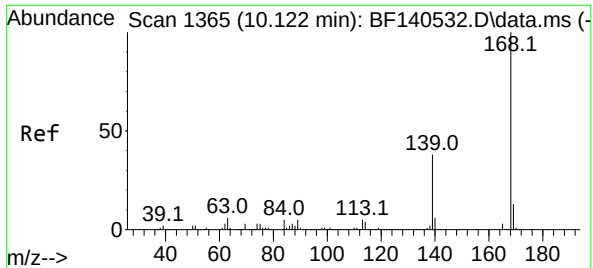
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#54
2,4-Dinitrophenol
Concen: 39.659 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion:184 Resp: 44183
Ion Ratio Lower Upper
184 100
63 60.7 54.1 81.1
154 64.8 57.4 86.0





#55

Dibenzenofuran

Concen: 38.851 ng

RT: 10.116 min Scan# 1364

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 520938

Ion Ratio Lower Upper

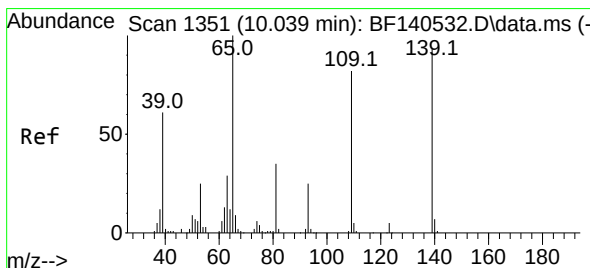
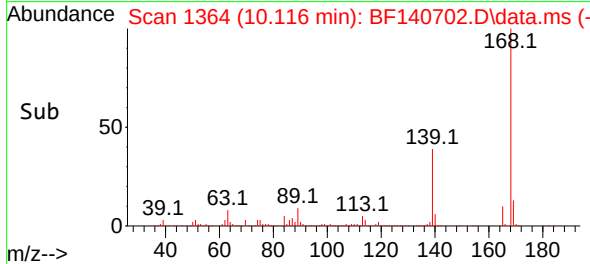
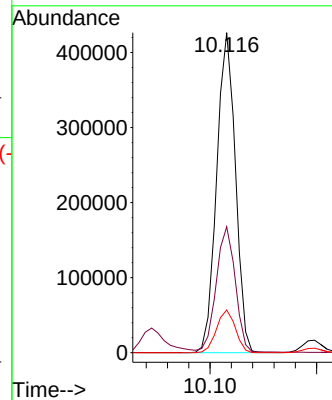
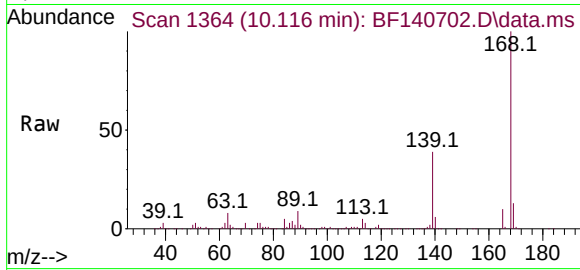
168 100

139 39.4 31.3 46.9

169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#56

4-Nitrophenol

Concen: 32.754 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

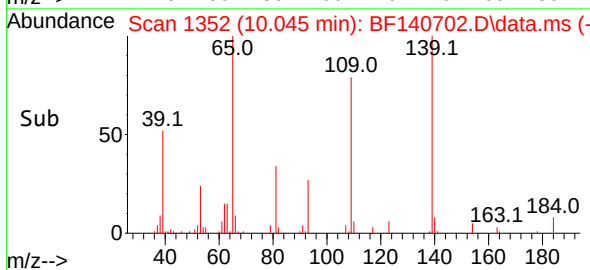
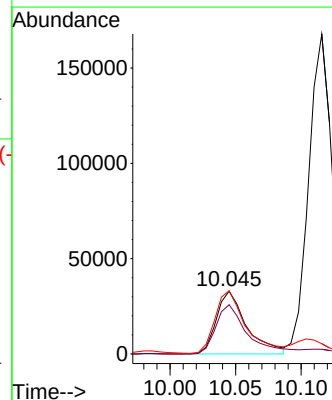
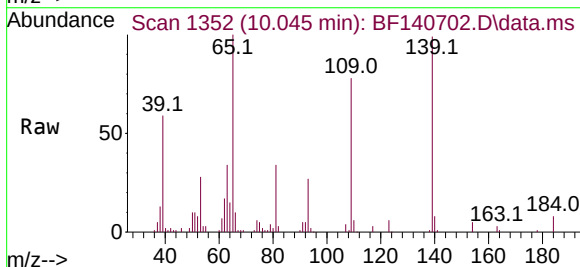
Tgt Ion:139 Resp: 52819

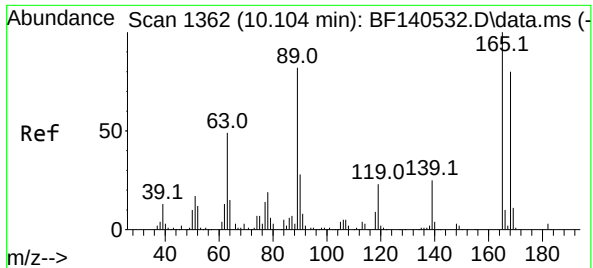
Ion Ratio Lower Upper

139 100

109 78.5 68.4 108.4

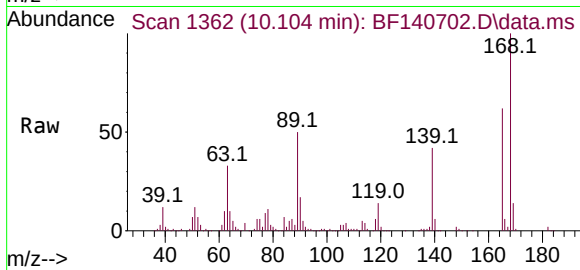
65 100.7 88.6 128.6





#57
2,4-Dinitrotoluene
Concen: 39.860 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

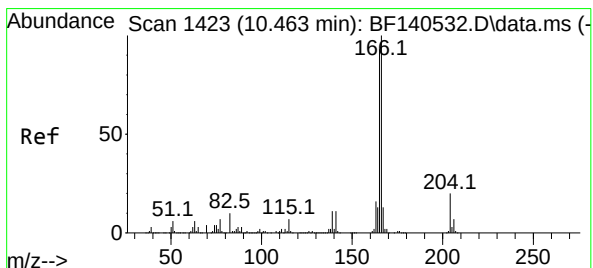
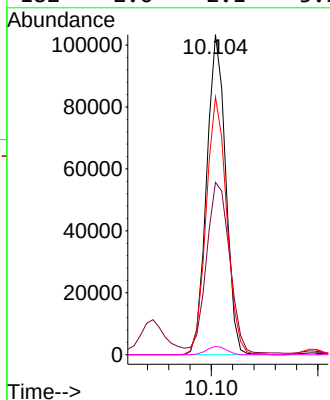
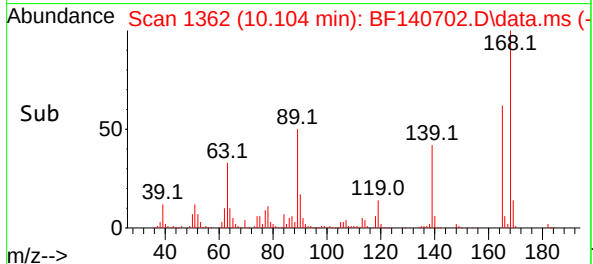
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 128073
Ion Ratio Lower Upper
165 100
63 53.9 41.7 62.5
89 80.6 65.8 98.8
182 2.6 2.1 3.1

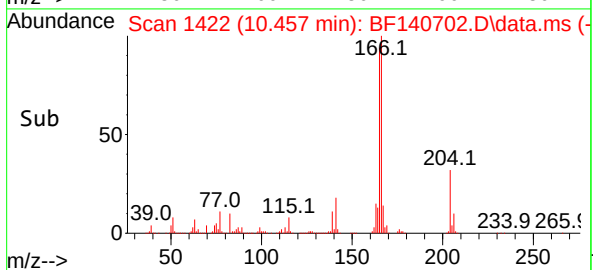
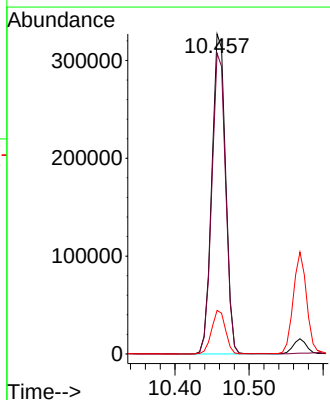
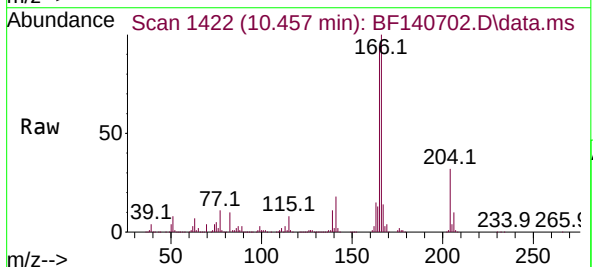
Manual Integrations
APPROVED

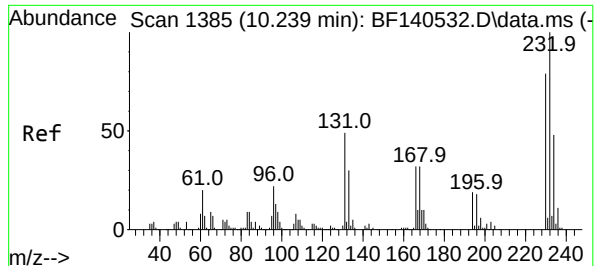
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#58
Fluorene
Concen: 39.266 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

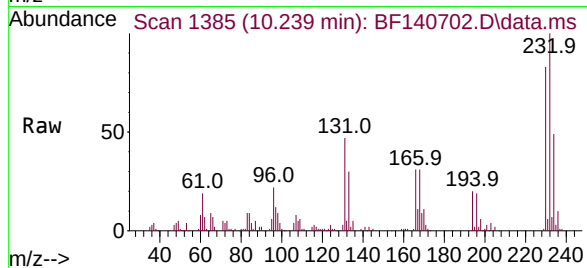
Tgt Ion:166 Resp: 422615
Ion Ratio Lower Upper
166 100
165 93.9 74.6 111.8
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.960 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

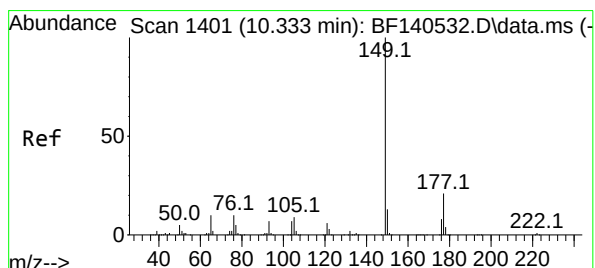
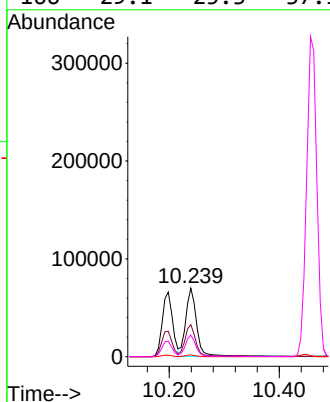
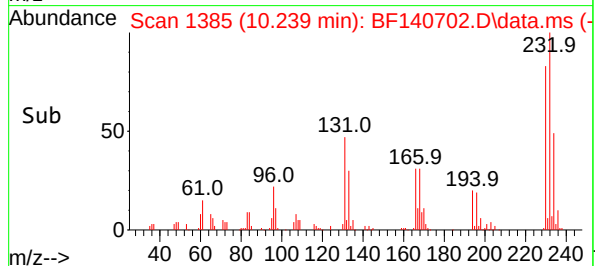
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 96620
Ion Ratio Lower Upper
232 100
131 45.3 39.6 59.4
130 2.4 1.9 2.9
166 29.1 25.3 37.9

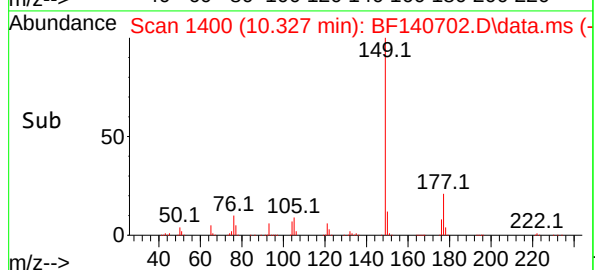
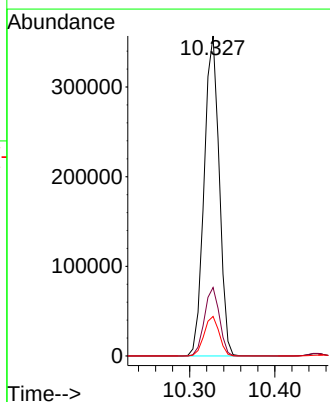
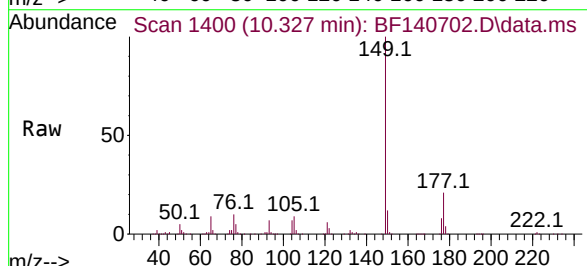
Manual Integrations
APPROVED

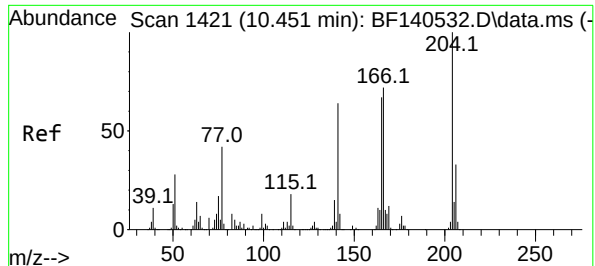
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#60
Diethylphthalate
Concen: 40.498 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

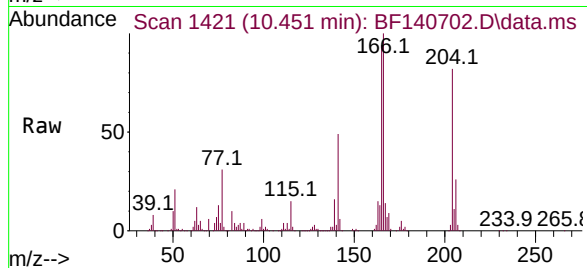
Tgt Ion:149 Resp: 438624
Ion Ratio Lower Upper
149 100
177 21.4 17.1 25.7
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.622 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

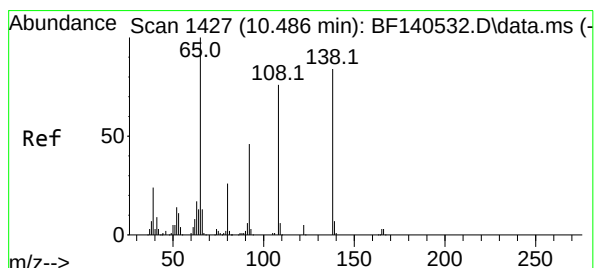
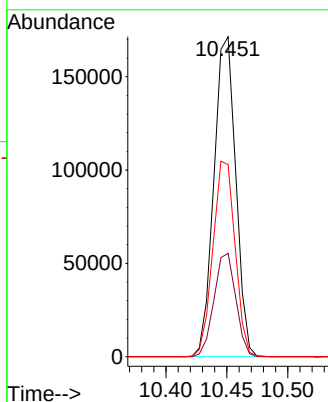
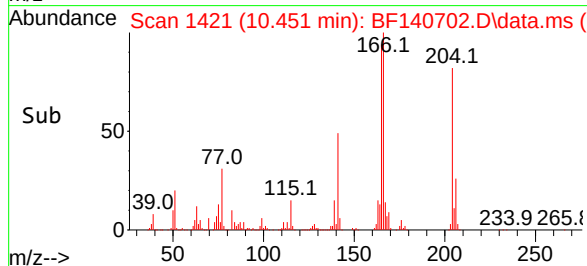
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 214560
Ion Ratio Lower Upper
204 100
206 32.3 26.6 40.0
141 60.0 51.1 76.7

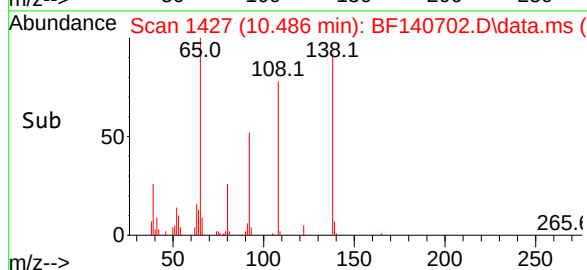
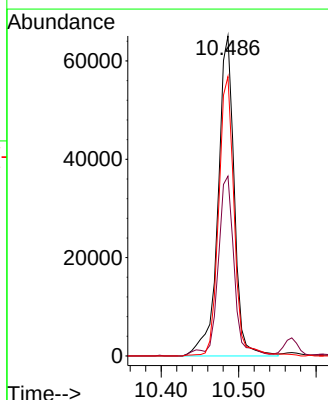
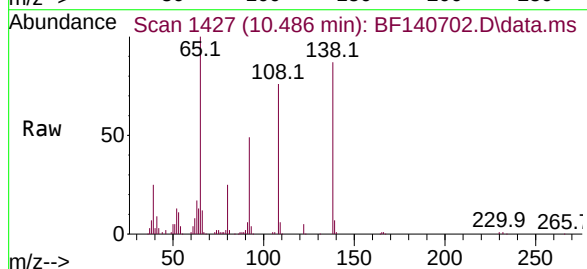
Manual Integrations
APPROVED

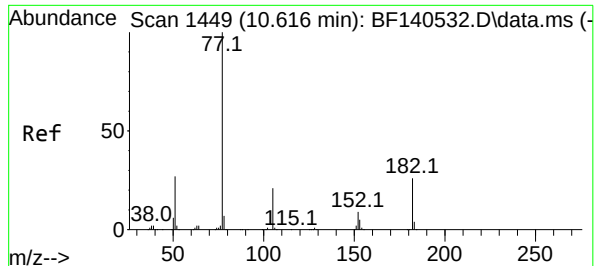
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#62
4-Nitroaniline
Concen: 38.398 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

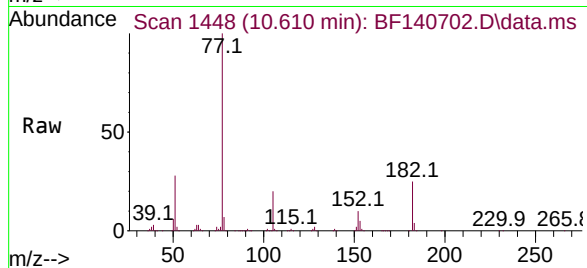
Tgt Ion:138 Resp: 95226
Ion Ratio Lower Upper
138 100
92 56.2 34.5 74.5
108 87.3 70.6 110.6





#63
Azobenzene
Concen: 39.125 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

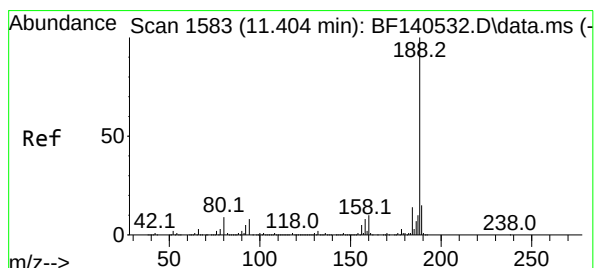
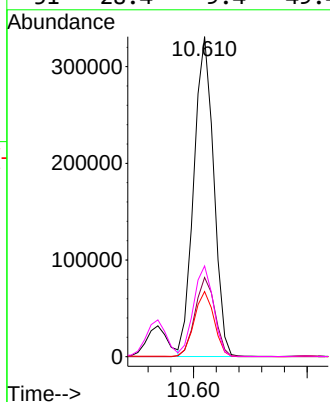
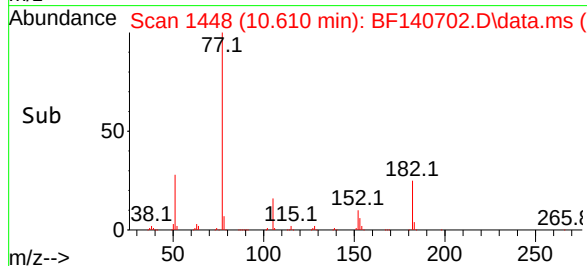
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



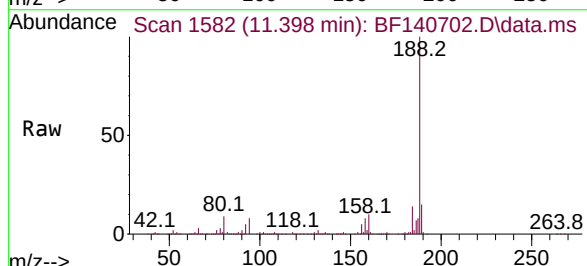
Tgt Ion: 77 Resp: 40129
Ion Ratio Lower Upper
77 100
182 24.7 5.3 45.3
105 20.4 0.3 40.3
51 28.4 9.4 49.4

Manual Integrations
APPROVED

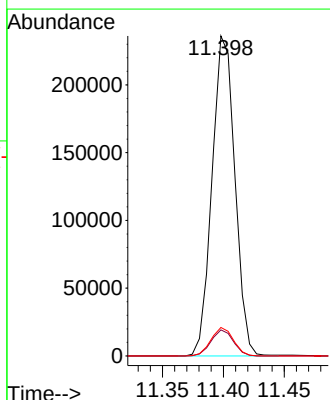
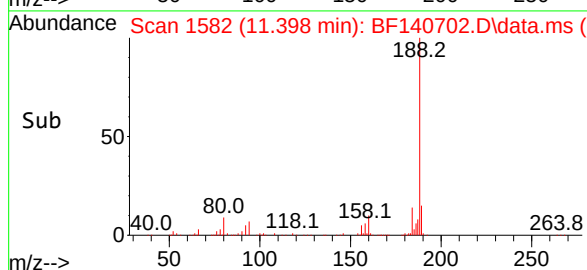
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

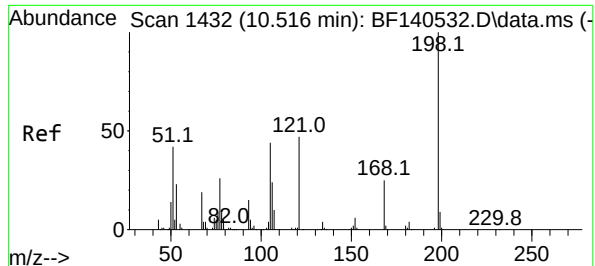


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24



Tgt Ion:188 Resp: 309121
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.9 6.9 10.3





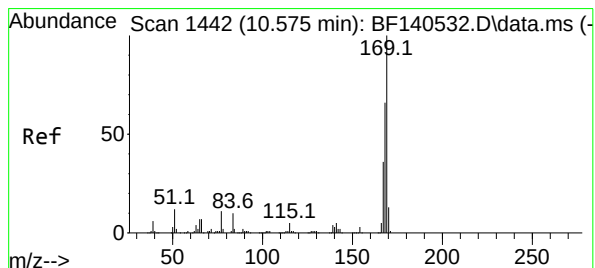
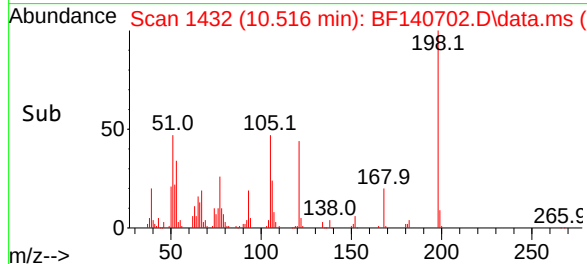
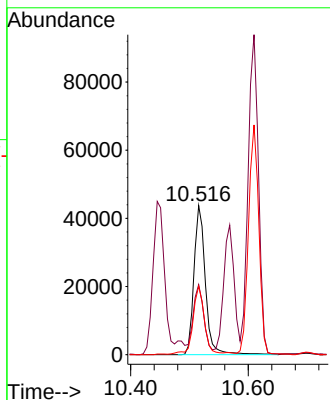
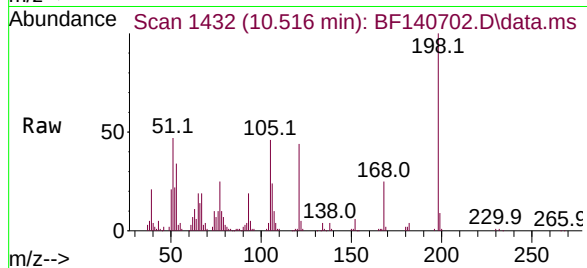
#65
4,6-Dinitro-2-methylphenol
Concen: 37.542 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 59302
Ion Ratio Lower Upper
198 100
51 47.0 29.4 69.4
105 45.9 25.4 65.4

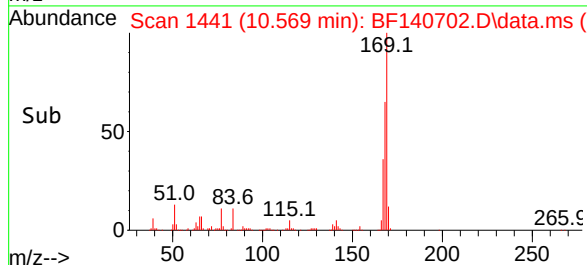
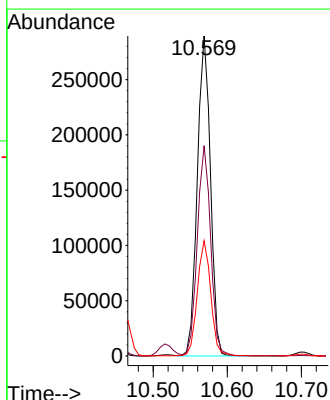
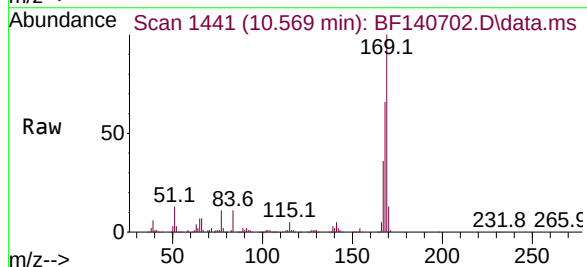
Manual Integrations
APPROVED

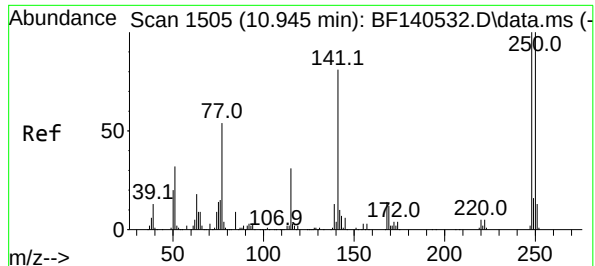
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#66
n-Nitrosodiphenylamine
Concen: 38.882 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

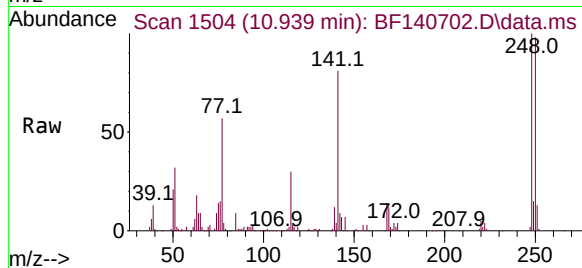
Tgt Ion:169 Resp: 355436
Ion Ratio Lower Upper
169 100
168 65.7 53.2 79.8
167 36.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 39.608 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

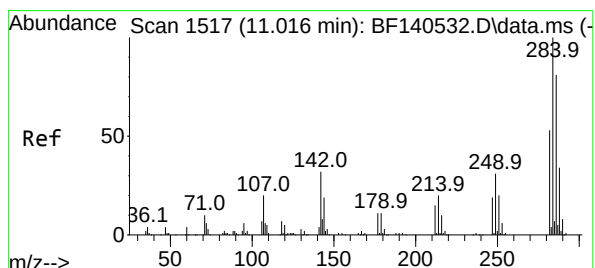
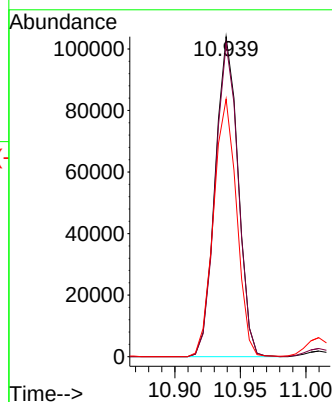
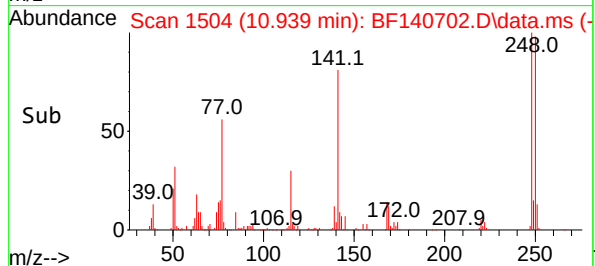
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



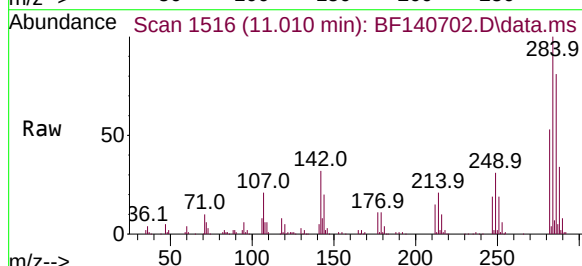
Tgt Ion:248 Resp: 126092
Ion Ratio Lower Upper
248 100
250 97.9 79.8 119.8
141 80.5 64.7 97.1

Manual Integrations
APPROVED

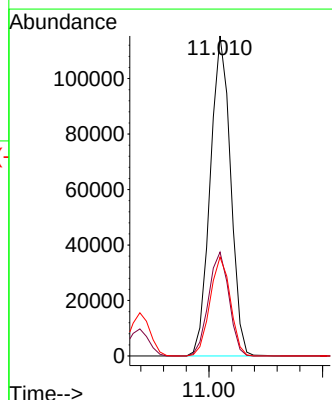
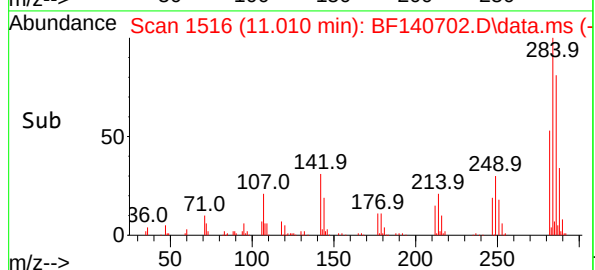
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

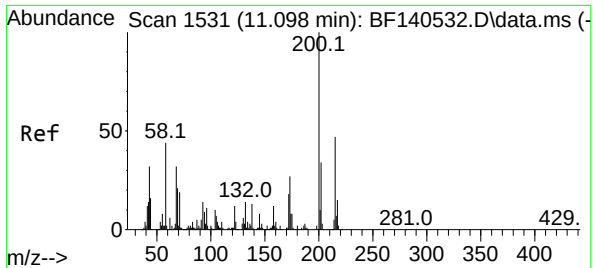


#68
Hexachlorobenzene
Concen: 38.874 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24



Tgt Ion:284 Resp: 143294
Ion Ratio Lower Upper
284 100
142 32.5 25.3 37.9
249 30.9 24.8 37.2





#69

Atrazine

Concen: 32.739 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 8419

Ion Ratio Lower Upper

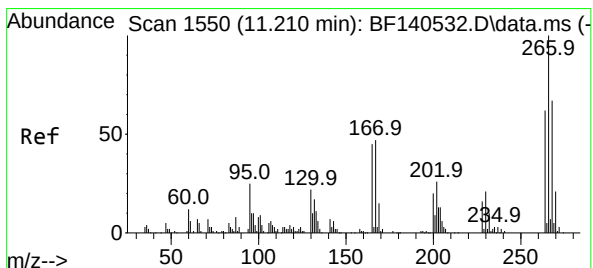
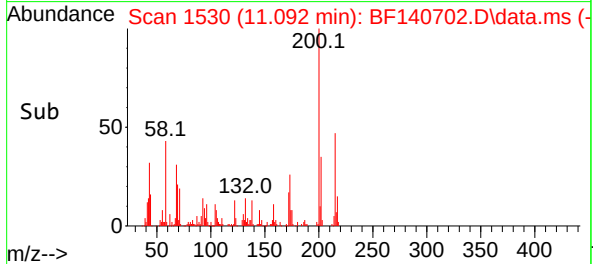
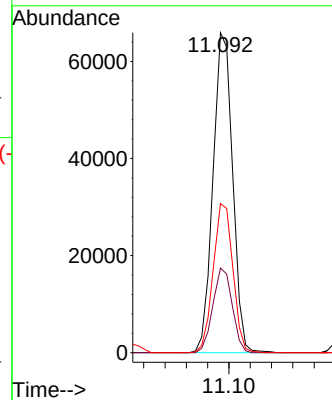
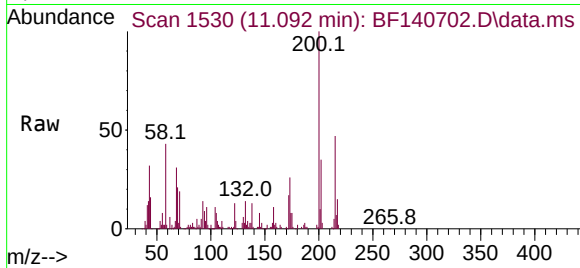
200 100

173 26.5 7.0 47.0

215 46.6 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#70

Pentachlorophenol

Concen: 32.757 ng m

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

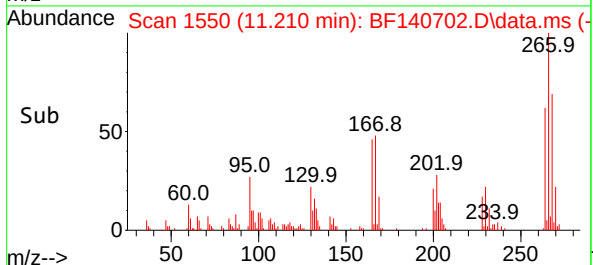
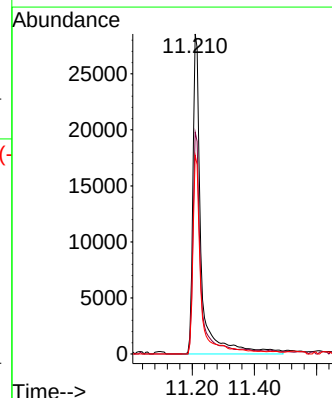
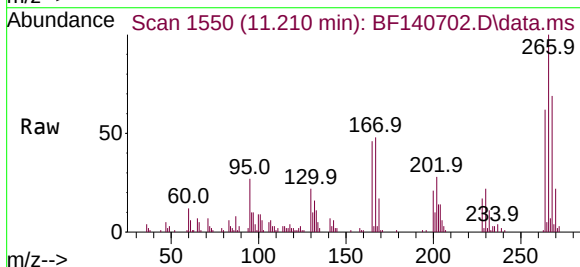
Tgt Ion:266 Resp: 53143

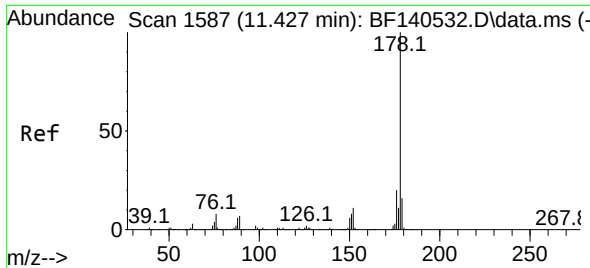
Ion Ratio Lower Upper

266 100

268 69.3 53.7 80.5

264 62.1 49.8 74.8





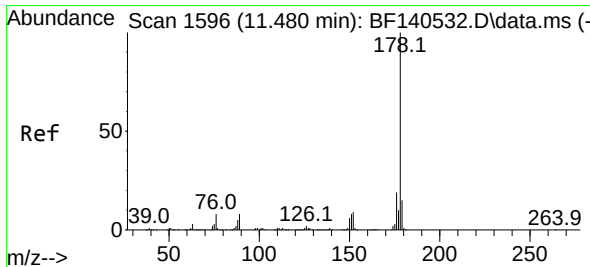
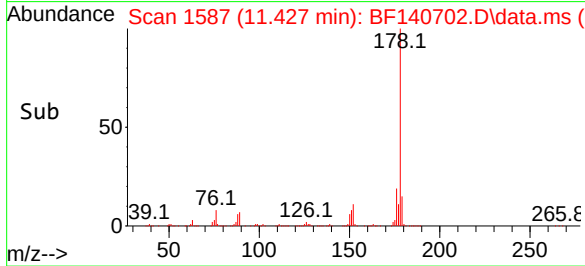
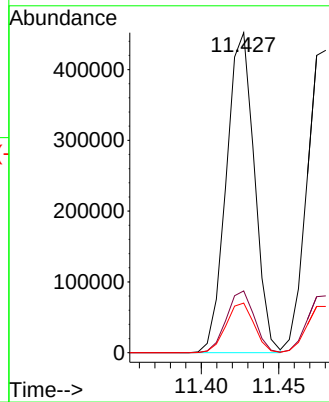
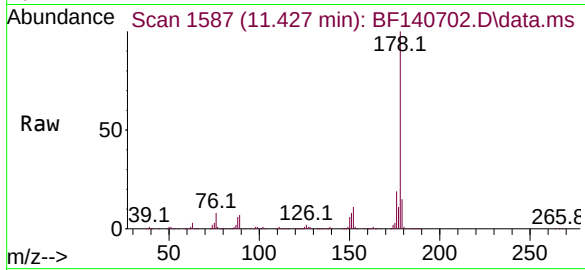
#71
Phenanthrene
Concen: 38.307 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 569205
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.5 12.4 18.6

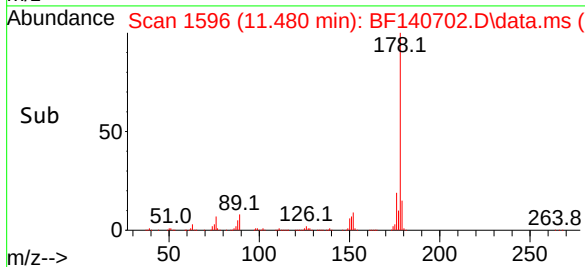
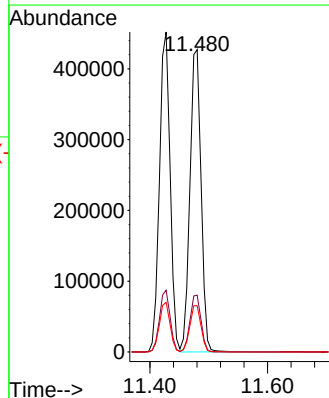
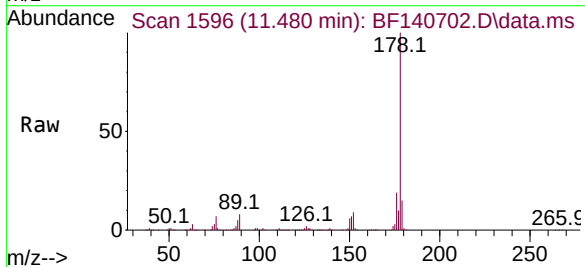
Manual Integrations
APPROVED

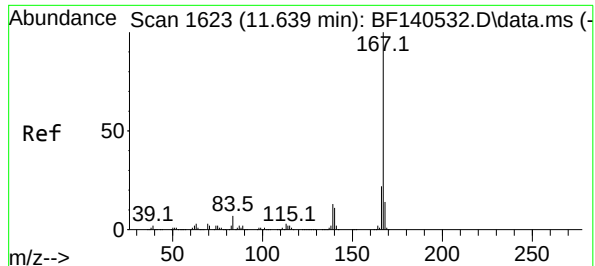
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#72
Anthracene
Concen: 38.526 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

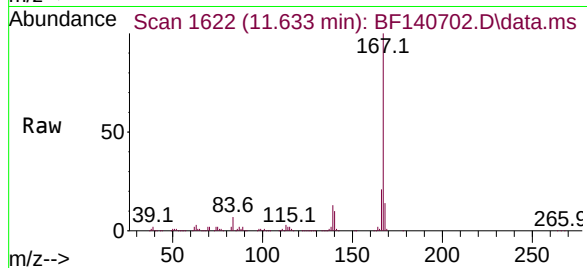
Tgt Ion:178 Resp: 559985
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.3 12.2 18.4





#73
 Carbazole
 Concen: 38.961 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140702.D
 Acq: 03 Dec 2024 11:24

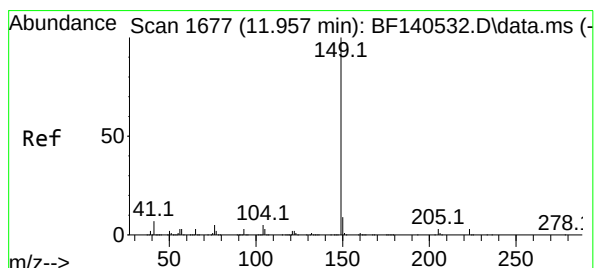
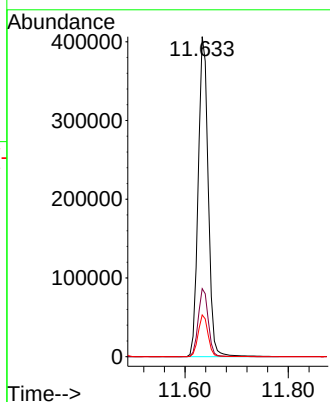
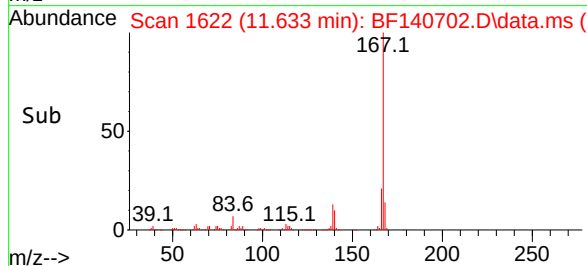
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



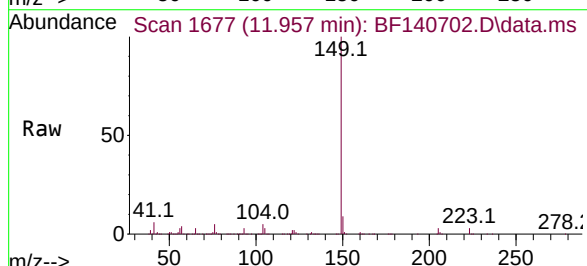
Tgt Ion:167 Resp: 54479
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 13.0 10.6 15.8

Manual Integrations
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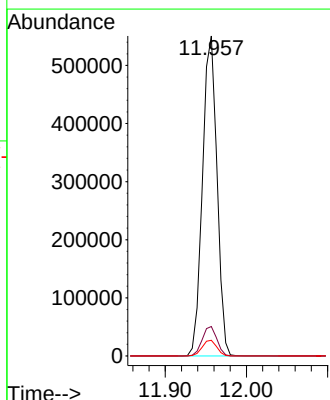
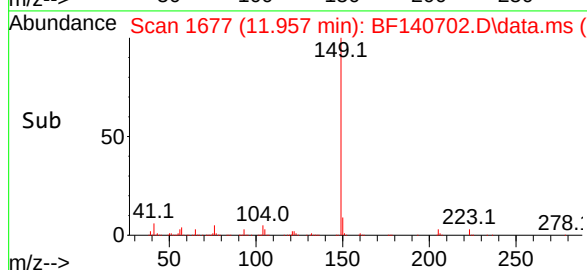
Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

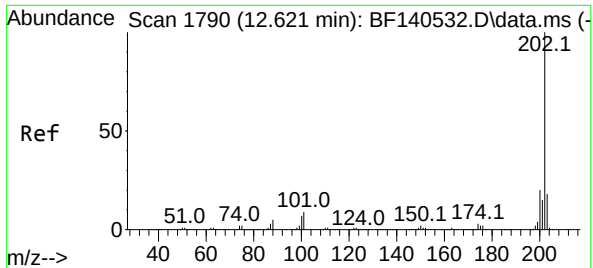


#74
 Di-n-butylphthalate
 Concen: 42.262 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.000 min
 Lab File: BF140702.D
 Acq: 03 Dec 2024 11:24



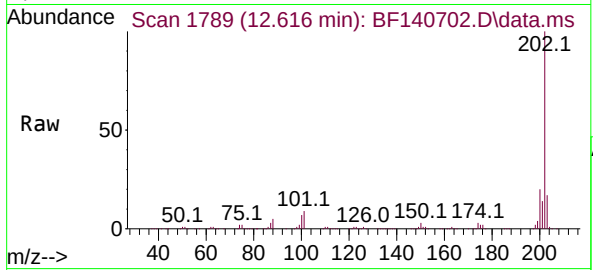
Tgt Ion:149 Resp: 682241
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 39.286 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

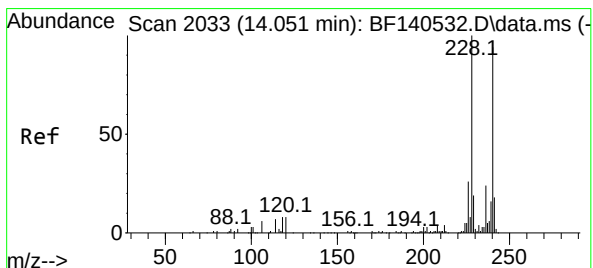
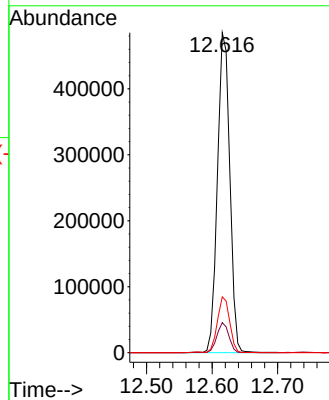
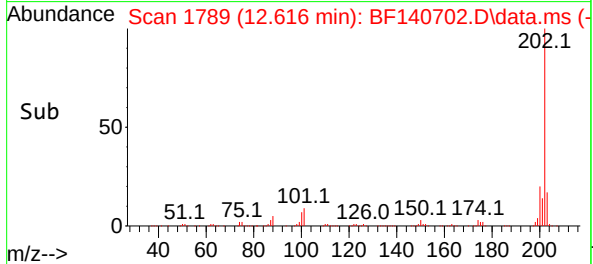
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 633810
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.9
203 17.5 0.0 37.6

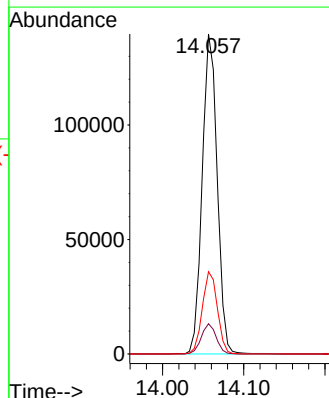
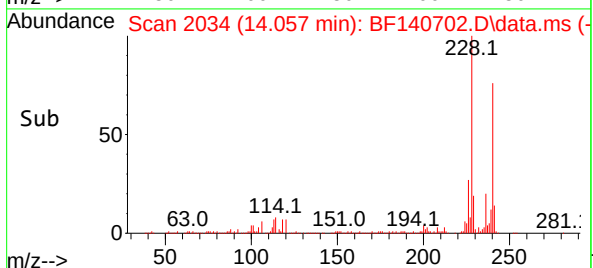
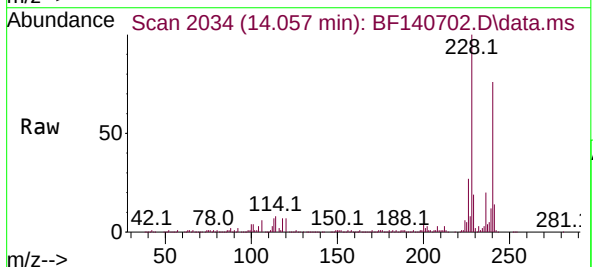
Manual Integrations
APPROVED

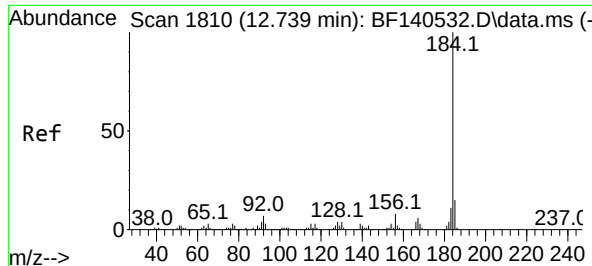
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Tgt Ion:240 Resp: 178961
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 25.7 20.6 31.0





#77

Benzidine

Concen: 37.410 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 194649

Ion Ratio Lower Upper

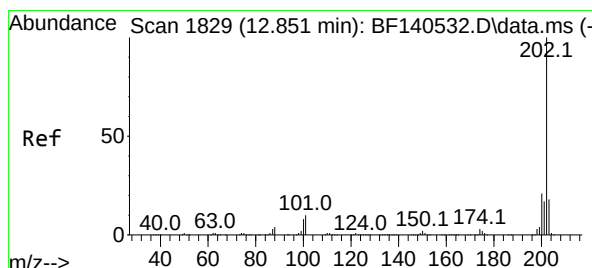
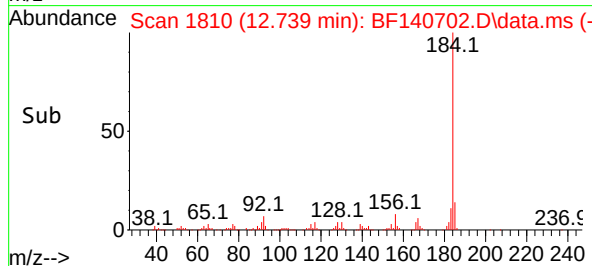
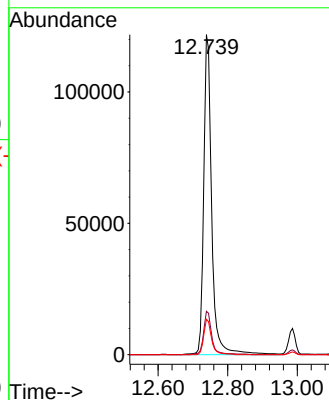
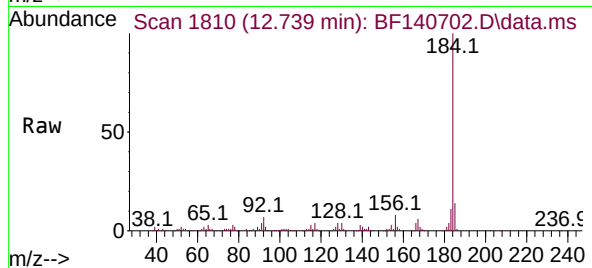
184 100

185 13.6 11.7 17.5

183 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#78

Pyrene

Concen: 38.629 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

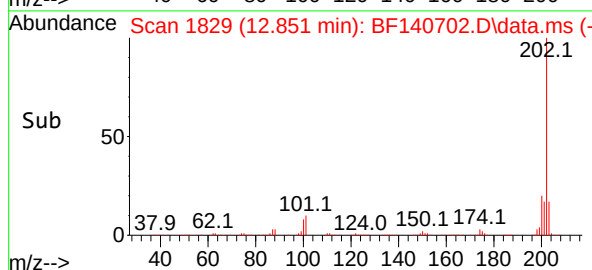
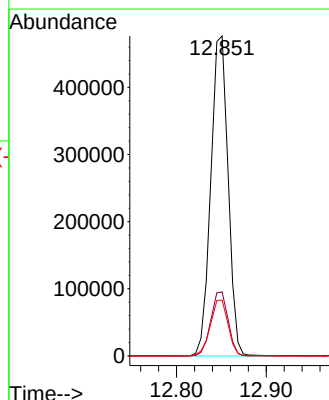
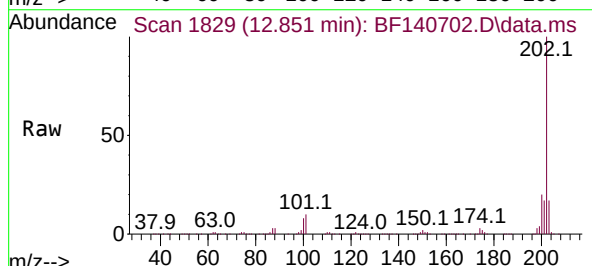
Tgt Ion:202 Resp: 639203

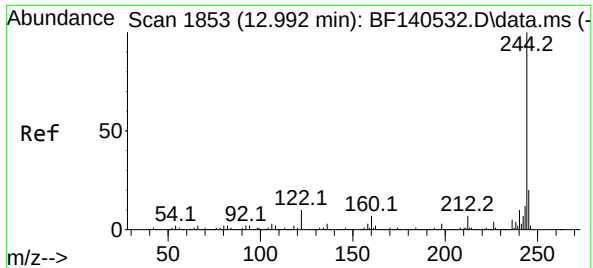
Ion Ratio Lower Upper

202 100

200 20.0 16.5 24.7

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 80.677 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 92722

Ion Ratio Lower Upper

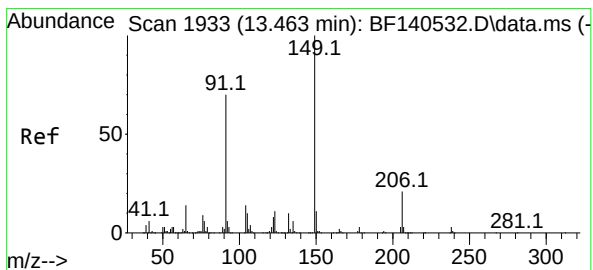
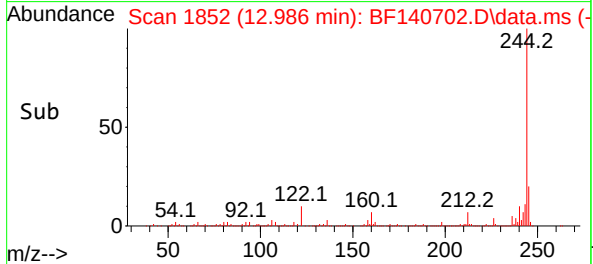
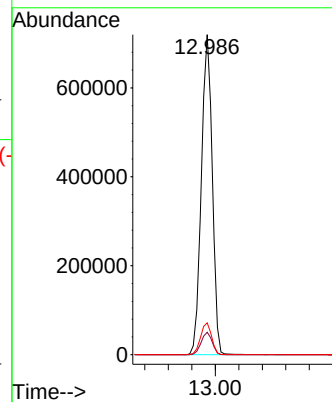
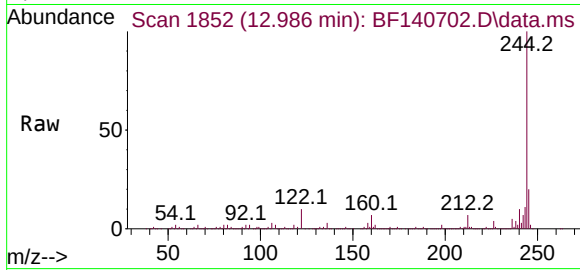
244 100

212 7.0 5.8 8.8

122 9.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#80

Butylbenzylphthalate

Concen: 43.826 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

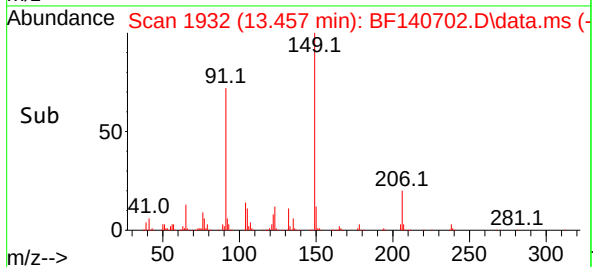
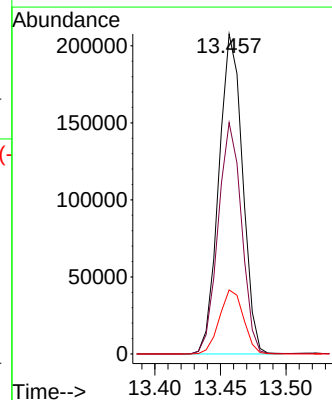
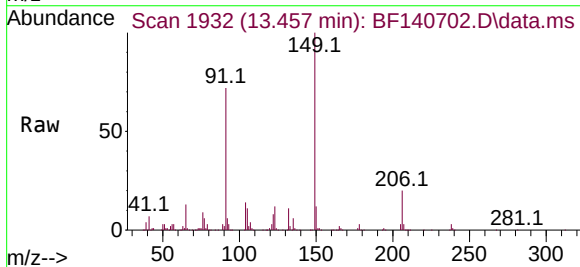
Tgt Ion:149 Resp: 261245

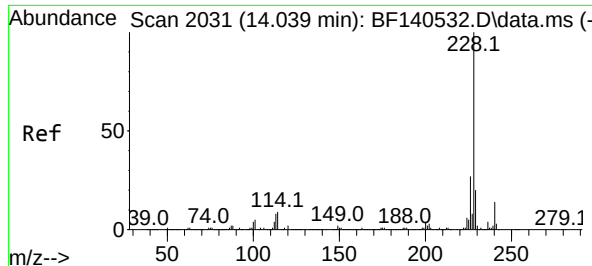
Ion Ratio Lower Upper

149 100

91 72.3 56.2 84.2

206 20.0 16.4 24.6





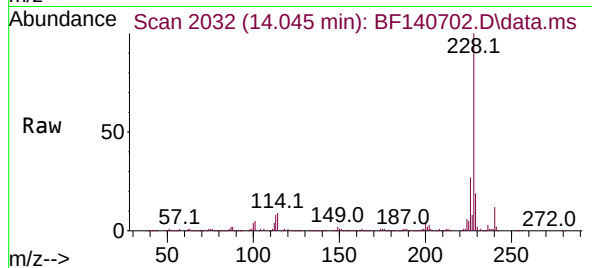
#81
Benzo(a)anthracene
Concen: 40.198 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

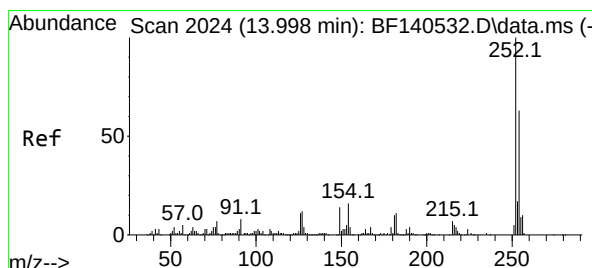
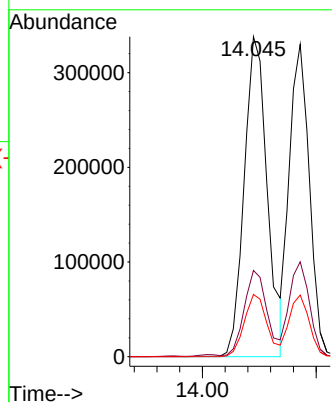
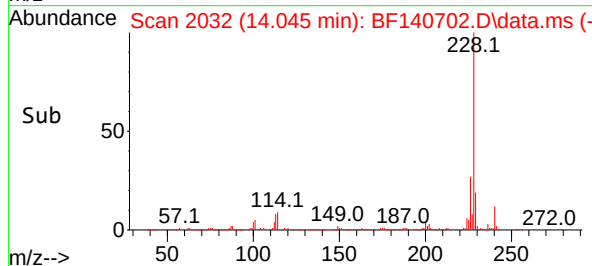


Tgt Ion:228 Resp: 476207
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.5 15.8 23.6

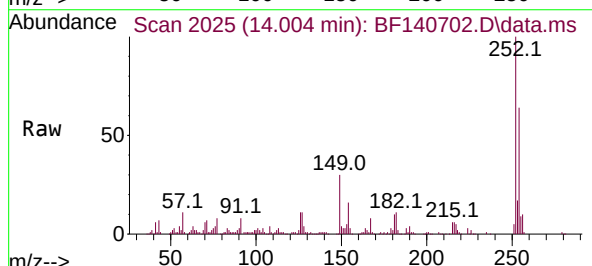
Manual Integrations

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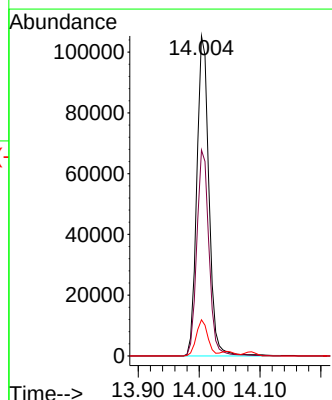
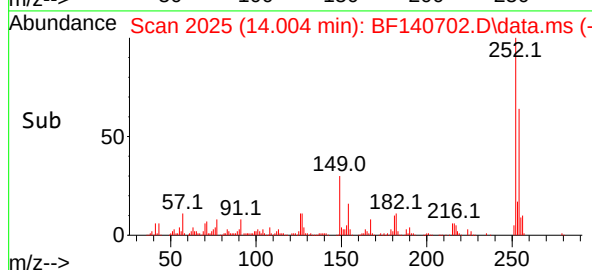
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

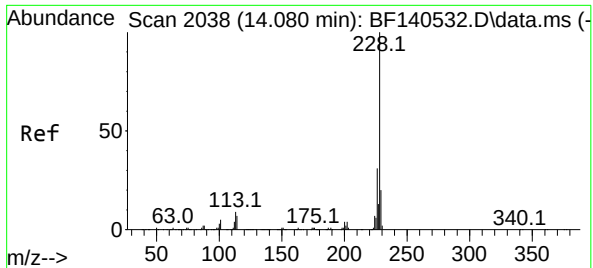


#82
3,3'-Dichlorobenzidine
Concen: 40.916 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24



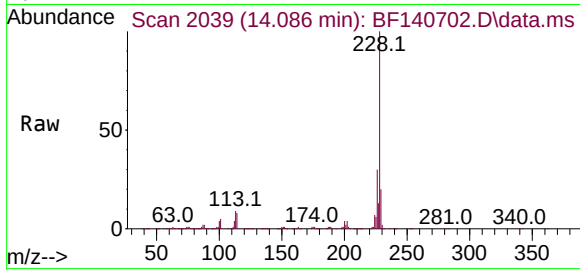
Tgt Ion:252 Resp: 145527
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 11.3 8.6 13.0





#83
Chrysene
Concen: 37.425 ng
RT: 14.086 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

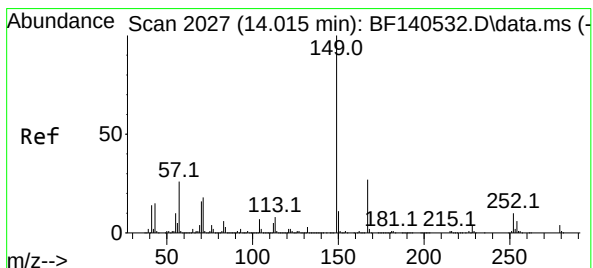
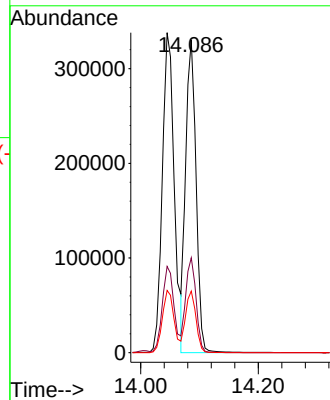
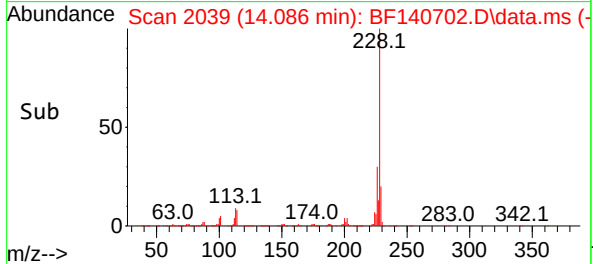
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 405400
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 19.7 15.8 23.6

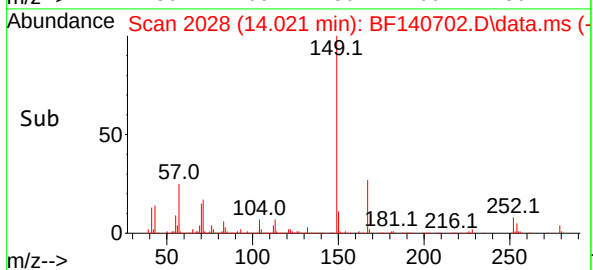
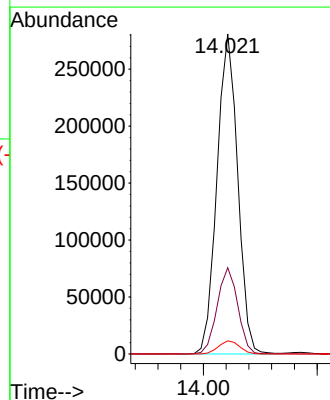
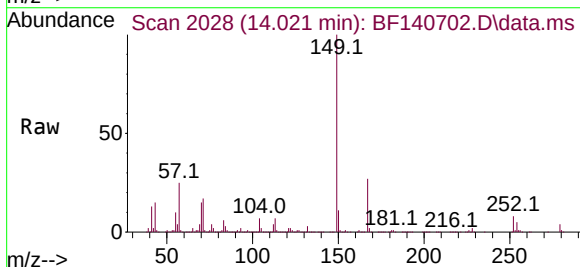
Manual Integrations
APPROVED

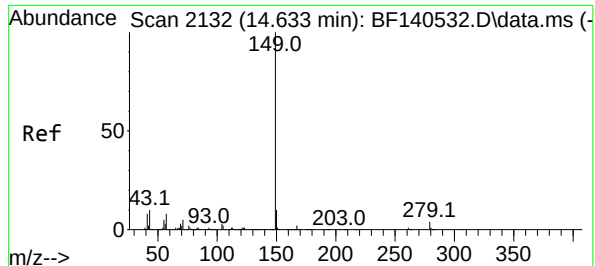
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.352 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

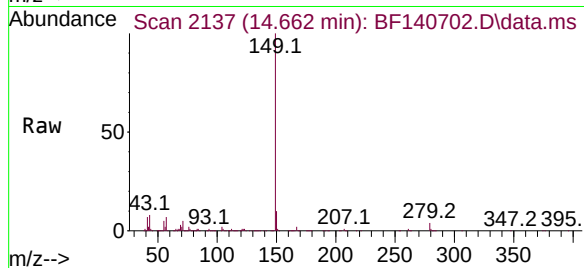
Tgt Ion:149 Resp: 356413
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 49.245 ng
RT: 14.662 min Scan# 2137
Delta R.T. 0.029 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

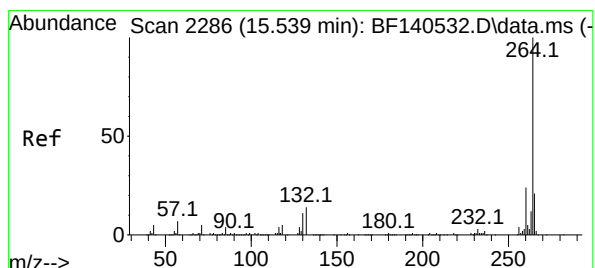
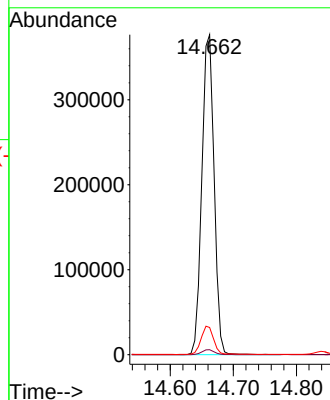
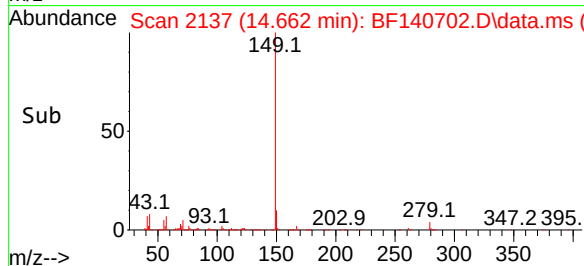
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



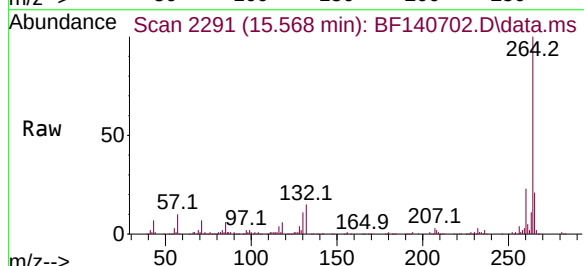
Tgt Ion:149 Resp: 506550
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.1 7.7 11.5

Manual Integrations
APPROVED

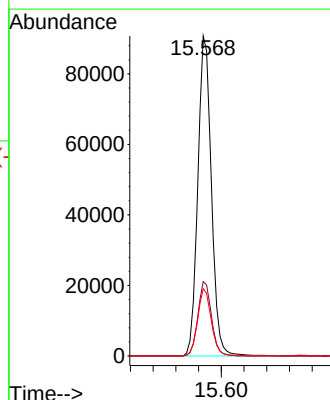
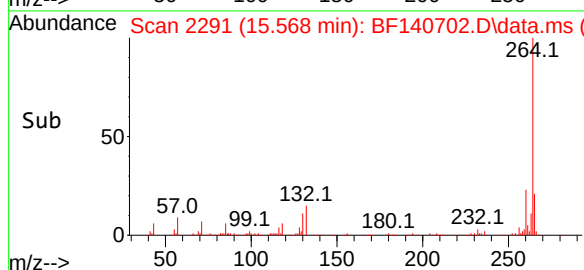
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

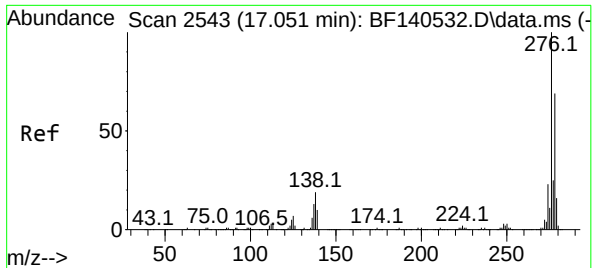


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2291
Delta R.T. 0.029 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24



Tgt Ion:264 Resp: 151018
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 21.0 16.6 25.0





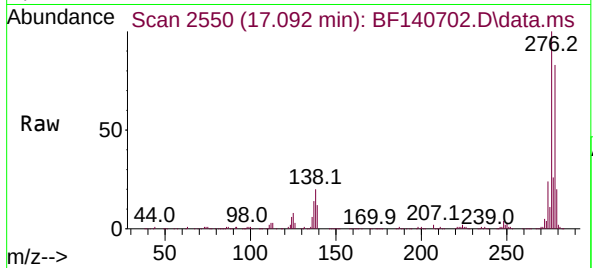
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.625 ng
RT: 17.092 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

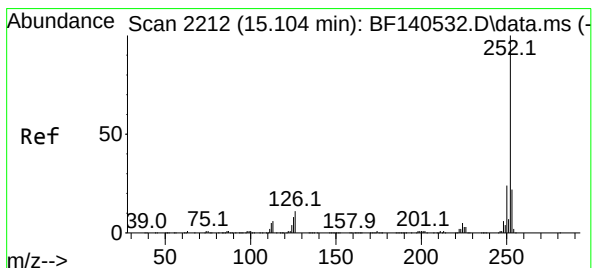
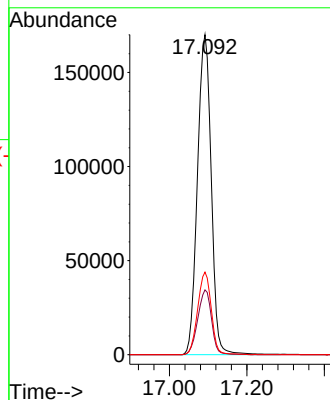
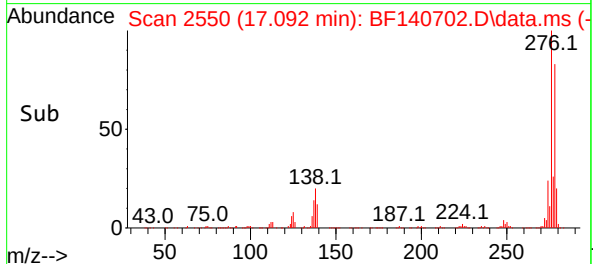


Tgt Ion:276 Resp: 41949
Ion Ratio Lower Upper
276 100
138 20.2 15.5 23.3
277 25.4 20.1 30.1

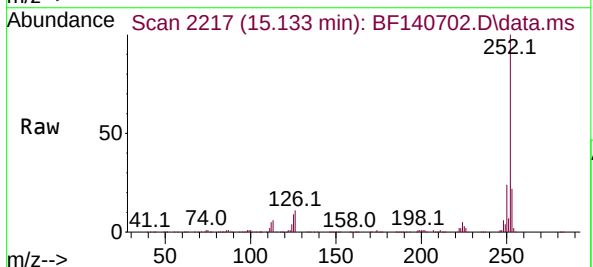
Manual Integrations

APPROVED

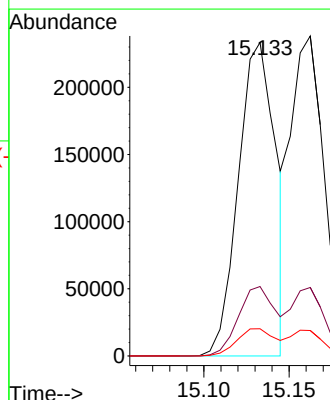
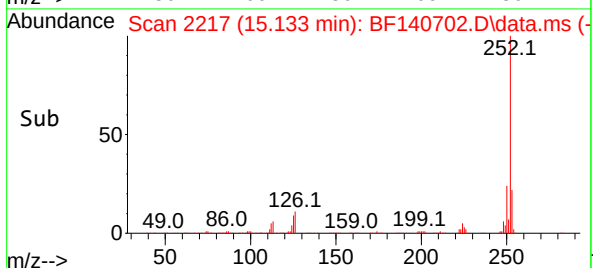
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

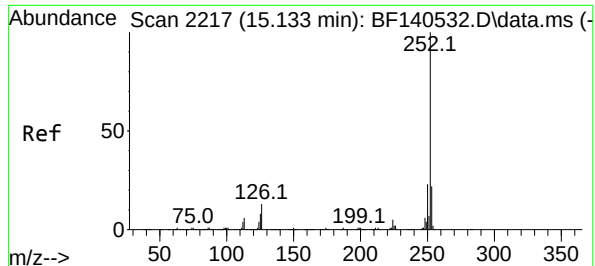


#88
Benzo(b)fluoranthene
Concen: 37.514 ng
RT: 15.133 min Scan# 2217
Delta R.T. 0.029 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24



Tgt Ion:252 Resp: 355842
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 8.7 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 39.470 ng

RT: 15.162 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 327628

Ion Ratio Lower Upper

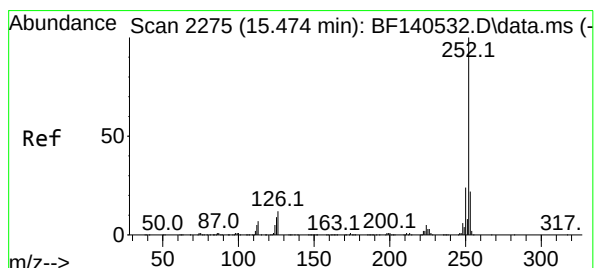
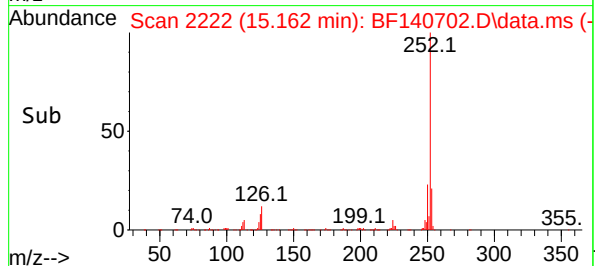
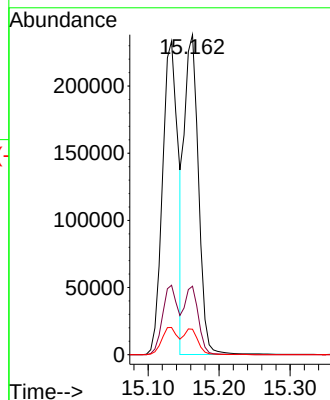
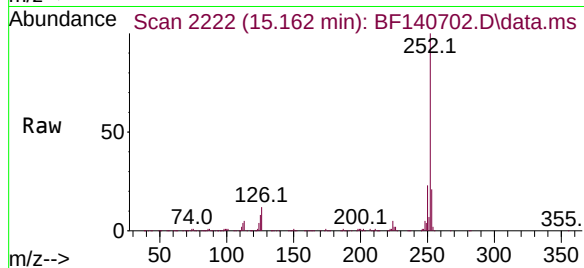
252 100

253 21.4 17.5 26.3

125 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#90

Benzo(a)pyrene

Concen: 38.738 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.035 min

Lab File: BF140702.D

Acq: 03 Dec 2024 11:24

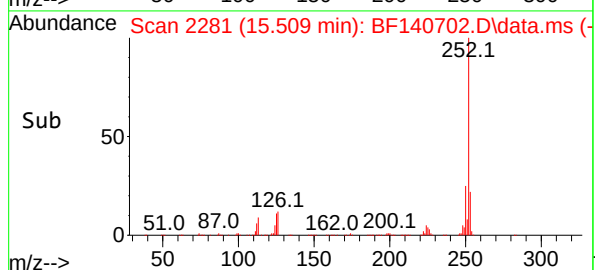
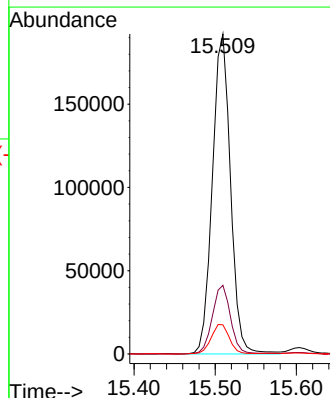
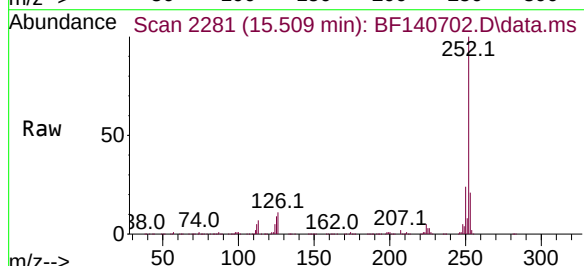
Tgt Ion:252 Resp: 298771

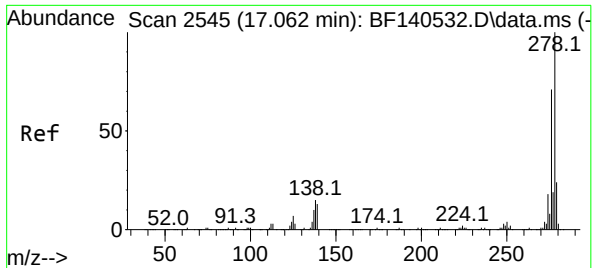
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 9.1 7.0 10.6





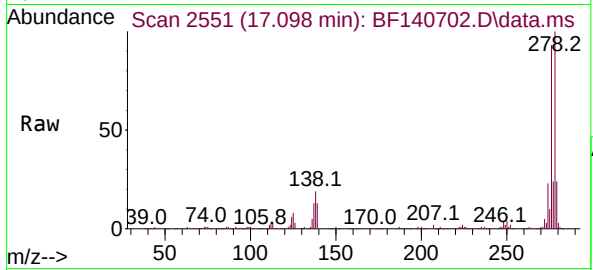
#91
Dibenzo(a,h)anthracene
Concen: 43.055 ng
RT: 17.098 min Scan# 2545
Delta R.T. 0.035 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

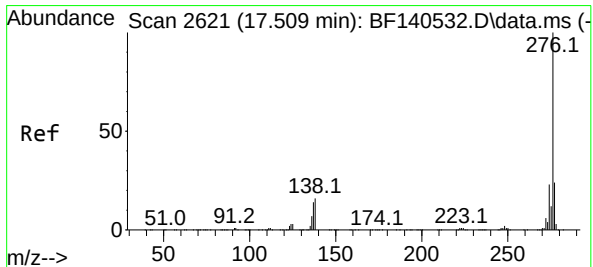
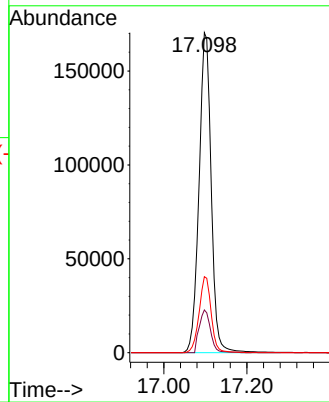
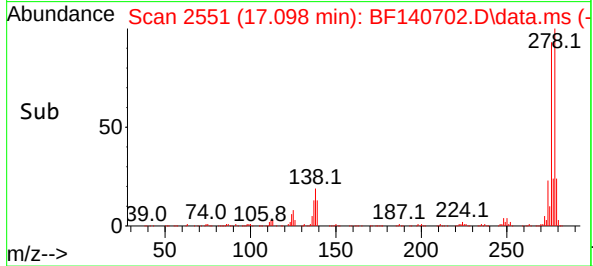


Tgt Ion:278 Resp: 347020
Ion Ratio Lower Upper
278 100
139 13.4 10.2 15.4
279 23.8 18.9 28.3

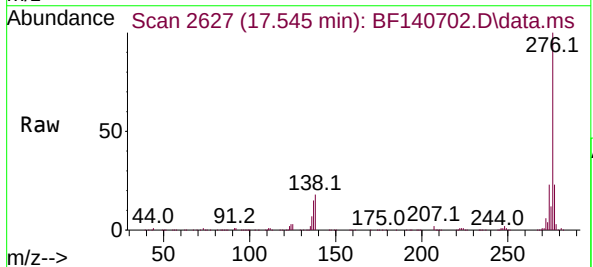
Manual Integrations

APPROVED

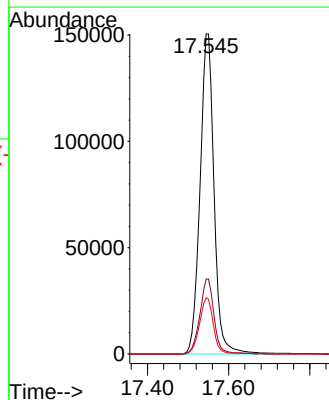
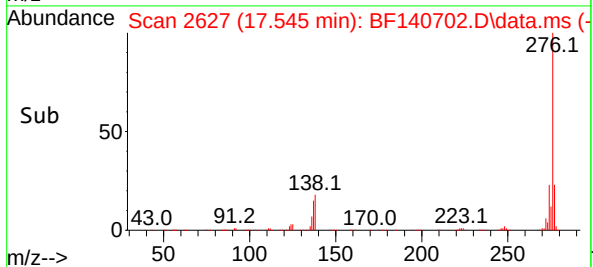
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#92
Benzo(g,h,i)perylene
Concen: 43.898 ng
RT: 17.545 min Scan# 2627
Delta R.T. 0.035 min
Lab File: BF140702.D
Acq: 03 Dec 2024 11:24



Tgt Ion:276 Resp: 361051
Ion Ratio Lower Upper
276 100
277 23.4 18.9 28.3
138 17.6 13.2 19.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140702.D
 Acq On : 03 Dec 2024 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 03 12:32:40 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	73	0.00
2	1,4-Dioxane	0.493	0.564	-14.4	84	-0.04
3	Pyridine	1.084	1.344	-24.0	82	-0.03
4	n-Nitrosodimethylamine	0.637	0.658	-3.3	74	-0.04
5 S	2-Fluorophenol	1.172	1.135	3.2	71	0.00
6	Aniline	1.091	1.223	-12.1	71	0.00
7 S	Phenol-d6	1.550	1.481	4.5	68	0.00
8	2-Chlorophenol	1.261	1.208	4.2	69	0.00
9	Benzaldehyde	0.820	0.777	5.2	77	0.00
10 C	Phenol	1.583	1.539	2.8	67	0.00
11	bis(2-Chloroethyl)ether	1.211	1.158	4.4	68	0.00
12	1,3-Dichlorobenzene	1.417	1.368	3.5	72	0.00
13 C	1,4-Dichlorobenzene	1.435	1.398	2.6	72	0.00
14	1,2-Dichlorobenzene	1.344	1.313	2.3	71	0.00
15	Benzyl Alcohol	1.149	1.089	5.2	65	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.391	2.8	69	0.00
17	2-Methylphenol	1.009	0.953	5.6	67	0.00
18	Hexachloroethane	0.536	0.521	2.8	71	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.873	4.7	67	0.00
20	3+4-Methylphenols	1.298	1.251	3.6	68	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	70	0.00
22	Acetophenone	0.488	0.466	4.5	68	0.00
23 S	Nitrobenzene-d5	0.391	0.372	4.9	66	0.00
24	Nitrobenzene	0.404	0.383	5.2	66	0.00
25	Isophorone	0.652	0.632	3.1	67	0.00
26 C	2-Nitrophenol	0.179	0.173	3.4	67	0.00
27	2,4-Dimethylphenol	0.214	0.218	-1.9	68	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.390	1.8	68	0.00
29 C	2,4-Dichlorophenol	0.284	0.283	0.4	70	0.00
30	1,2,4-Trichlorobenzene	0.324	0.319	1.5	70	0.00
31	Naphthalene	1.030	0.996	3.3	68	0.00
32	Benzoic acid	0.164	0.156	4.9	61	0.00
33	4-Chloroaniline	0.308	0.329	-6.8	70	0.00
34 C	Hexachlorobutadiene	0.215	0.215	0.0	71	0.00
35	Caprolactam	0.088	0.082	6.8	63	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.305	4.1	65	0.00
37	2-Methylnaphthalene	0.654	0.649	0.8	70	0.00
38	1-Methylnaphthalene	0.641	0.624	2.7	68	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	69	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.575	1.9	71	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.142	-32.7#	86	0.00
42 S	2,4,6-Tribromophenol	0.214	0.209	2.3	67	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.361	1.6	68	0.00
44	2,4,5-Trichlorophenol	0.399	0.385	3.5	66	0.00
45 S	2-Fluorobiphenyl	1.342	1.315	2.0	70	0.00
46	1,1'-Biphenyl	1.493	1.479	0.9	71	0.00
47	2-Chloronaphthalene	1.131	1.091	3.5	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140702.D
 Acq On : 03 Dec 2024 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 03 12:32:40 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	0.339	6.6	64	0.00
49	Acenaphthylene	1.710	1.655	3.2	69	0.00
50	Dimethylphthalate	1.317	1.298	1.4	69	0.00
51	2,6-Dinitrotoluene	0.299	0.293	2.0	67	0.00
52 C	Acenaphthene	1.086	1.031	5.1	67	0.00
53	3-Nitroaniline	0.292	0.293	-0.3	67	0.00
54 P	2,4-Dinitrophenol	0.122	0.136	-11.5	67	0.00
55	Dibenzofuran	1.657	1.609	2.9	69	0.00
56 P	4-Nitrophenol	0.199	0.163	18.1	54	0.00
57	2,4-Dinitrotoluene	0.397	0.396	0.3	68	0.00
58	Fluorene	1.330	1.306	1.8	70	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.298	2.6	66	0.00
60	Diethylphthalate	1.338	1.355	-1.3	71	0.00
61	4-Chlorophenyl-phenylether	0.653	0.663	-1.5	72	0.00
62	4-Nitroaniline	0.306	0.294	3.9	65	0.00
63	Azobenzene	1.267	1.240	2.1	69	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	71	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.096	5.9	62	0.00
66 c	n-Nitrosodiphenylamine	0.591	0.575	2.7	70	0.00
67	4-Bromophenyl-phenylether	0.206	0.204	1.0	72	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	70	0.00
69	Atrazine	0.166	0.136	18.1	69	0.00
70 C	Pentachlorophenol	0.105	0.086	18.1	52	0.00
71	Phenanthrene	0.961	0.921	4.2	69	0.00
72	Anthracene	0.940	0.906	3.6	69	0.00
73	Carbazole	0.905	0.881	2.7	70	0.00
74	Di-n-butylphthalate	1.044	1.104	-5.7	76	0.00
75 C	Fluoranthene	1.044	1.025	1.8	71	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	75	0.00
77	Benzydine	0.581	0.544	6.4	71	0.00
78	Pyrene	1.849	1.786	3.4	72	0.00
79 S	Terphenyl-d14	1.284	1.295	-0.9	76	0.00
80	Butylbenzylphthalate	0.666	0.730	-9.6	80	0.00
81	Benzo(a)anthracene	1.324	1.330	-0.5	77	0.00
82	3,3'-Dichlorobenzidine	0.397	0.407	-2.5	74	0.00
83	Chrysene	1.211	1.133	6.4	70	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.996	-18.4	89	0.00
85 c	Di-n-octyl phthalate	1.150	1.415	-23.0#	93	0.03
86 I	Perylene-d12	1.000	1.000	0.0	71	0.03
87	Indeno(1,2,3-cd)pyrene	1.303	1.389	-6.6	76	0.04
88	Benzo(b)fluoranthene	1.256	1.178	6.2	71	0.03
89	Benzo(k)fluoranthene	1.099	1.085	1.3	70	0.03
90 C	Benzo(a)pyrene	1.021	0.989	3.1	70	0.04
91	Dibenzo(a,h)anthracene	1.067	1.149	-7.7	77	0.04
92	Benzo(g,h,i)perylene	1.089	1.195	-9.7	79	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140702.D
Acq On : 03 Dec 2024 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 03 12:32:40 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 = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140702.D
 Acq On : 03 Dec 2024 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 03 12:32:40 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	73	0.00
2	1,4-Dioxane	40.000	45.766	-14.4	84	-0.04
3	Pyridine	40.000	49.593	-24.0	82	-0.03
4	n-Nitrosodimethylamine	40.000	41.283	-3.2	74	-0.04
5 S	2-Fluorophenol	80.000	77.455	3.2	71	0.00
6	Aniline	40.000	44.840	-12.1	71	0.00
7 S	Phenol-d6	80.000	76.474	4.4	68	0.00
8	2-Chlorophenol	40.000	38.325	4.2	69	0.00
9	Benzaldehyde	40.000	37.882	5.3	77	0.00
10 C	Phenol	40.000	38.899	2.8	67	0.00
11	bis(2-Chloroethyl)ether	40.000	38.252	4.4	68	0.00
12	1,3-Dichlorobenzene	40.000	38.625	3.4	72	0.00
13 C	1,4-Dichlorobenzene	40.000	38.980	2.6	72	0.00
14	1,2-Dichlorobenzene	40.000	39.066	2.3	71	0.00
15	Benzyl Alcohol	40.000	37.912	5.2	65	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.885	2.8	69	0.00
17	2-Methylphenol	40.000	37.747	5.6	67	0.00
18	Hexachloroethane	40.000	38.905	2.7	71	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.140	4.6	67	0.00
20	3+4-Methylphenols	40.000	38.568	3.6	68	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	70	0.00
22	Acetophenone	40.000	38.257	4.4	68	0.00
23 S	Nitrobenzene-d5	80.000	76.184	4.8	66	0.00
24	Nitrobenzene	40.000	37.883	5.3	66	0.00
25	Isophorone	40.000	38.738	3.2	67	0.00
26 C	2-Nitrophenol	40.000	38.717	3.2	67	0.00
27	2,4-Dimethylphenol	40.000	40.738	-1.8	68	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.270	1.8	68	0.00
29 C	2,4-Dichlorophenol	40.000	39.821	0.4	70	0.00
30	1,2,4-Trichlorobenzene	40.000	39.354	1.6	70	0.00
31	Naphthalene	40.000	38.658	3.4	68	0.00
32	Benzoic acid	40.000	35.627	10.9	61	0.00
33	4-Chloroaniline	40.000	42.636	-6.6	70	0.00
34 C	Hexachlorobutadiene	40.000	40.096	-0.2	71	0.00
35	Caprolactam	40.000	37.400	6.5	63	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.355	4.1	65	0.00
37	2-Methylnaphthalene	40.000	39.683	0.8	70	0.00
38	1-Methylnaphthalene	40.000	38.933	2.7	68	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	69	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.292	1.8	71	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.421	-16.1	86	0.00
42 S	2,4,6-Tribromophenol	80.000	78.050	2.4	67	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.253	1.9	68	0.00
44	2,4,5-Trichlorophenol	40.000	38.605	3.5	66	0.00
45 S	2-Fluorobiphenyl	80.000	78.355	2.1	70	0.00
46	1,1'-Biphenyl	40.000	39.625	0.9	71	0.00
47	2-Chloronaphthalene	40.000	38.572	3.6	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140702.D
 Acq On : 03 Dec 2024 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 03 12:32:40 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	37.346	6.6	64	0.00
49	Acenaphthylene	40.000	38.719	3.2	69	0.00
50	Dimethylphthalate	40.000	39.405	1.5	69	0.00
51	2,6-Dinitrotoluene	40.000	39.292	1.8	67	0.00
52 C	Acenaphthene	40.000	37.968	5.1	67	0.00
53	3-Nitroaniline	40.000	40.066	-0.2	67	0.00
54 P	2,4-Dinitrophenol	40.000	39.659	0.9	67	0.00
55	Dibenzofuran	40.000	38.851	2.9	69	0.00
56 P	4-Nitrophenol	40.000	32.754	18.1	54	0.00
57	2,4-Dinitrotoluene	40.000	39.860	0.4	68	0.00
58	Fluorene	40.000	39.266	1.8	70	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.960	2.6	66	0.00
60	Diethylphthalate	40.000	40.498	-1.2	71	0.00
61	4-Chlorophenyl-phenylether	40.000	40.622	-1.6	72	0.00
62	4-Nitroaniline	40.000	38.398	4.0	65	0.00
63	Azobenzene	40.000	39.125	2.2	69	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	71	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.542	6.1	62	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.882	2.8	70	0.00
67	4-Bromophenyl-phenylether	40.000	39.608	1.0	72	0.00
68	Hexachlorobenzene	40.000	38.874	2.8	70	0.00
69	Atrazine	40.000	32.739	18.2	69	0.00
70 C	Pentachlorophenol	40.000	32.757	18.1	52	0.00
71	Phenanthrene	40.000	38.307	4.2	69	0.00
72	Anthracene	40.000	38.526	3.7	69	0.00
73	Carbazole	40.000	38.961	2.6	70	0.00
74	Di-n-butylphthalate	40.000	42.262	-5.7	76	0.00
75 C	Fluoranthene	40.000	39.286	1.8	71	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	75	0.00
77	Benzydine	40.000	37.410	6.5	71	0.00
78	Pyrene	40.000	38.629	3.4	72	0.00
79 S	Terphenyl-d14	80.000	80.677	-0.8	76	0.00
80	Butylbenzylphthalate	40.000	43.826	-9.6	80	0.00
81	Benzo(a)anthracene	40.000	40.198	-0.5	77	0.00
82	3,3'-Dichlorobenzidine	40.000	40.916	-2.3	74	0.00
83	Chrysene	40.000	37.425	6.4	70	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	47.352	-18.4	89	0.00
85 c	Di-n-octyl phthalate	40.000	49.245	-23.1#	93	0.03
86 I	Perylene-d12	20.000	20.000	0.0	71	0.03
87	Indeno(1,2,3-cd)pyrene	40.000	42.625	-6.6	76	0.04
88	Benzo(b)fluoranthene	40.000	37.514	6.2	71	0.03
89	Benzo(k)fluoranthene	40.000	39.470	1.3	70	0.03
90 C	Benzo(a)pyrene	40.000	38.738	3.2	70	0.04
91	Dibenzo(a,h)anthracene	40.000	43.055	-7.6	77	0.04
92	Benzo(g,h,i)perylene	40.000	43.898	-9.7	79	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140702.D
Acq On : 03 Dec 2024 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 03 12:32:40 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 = 1



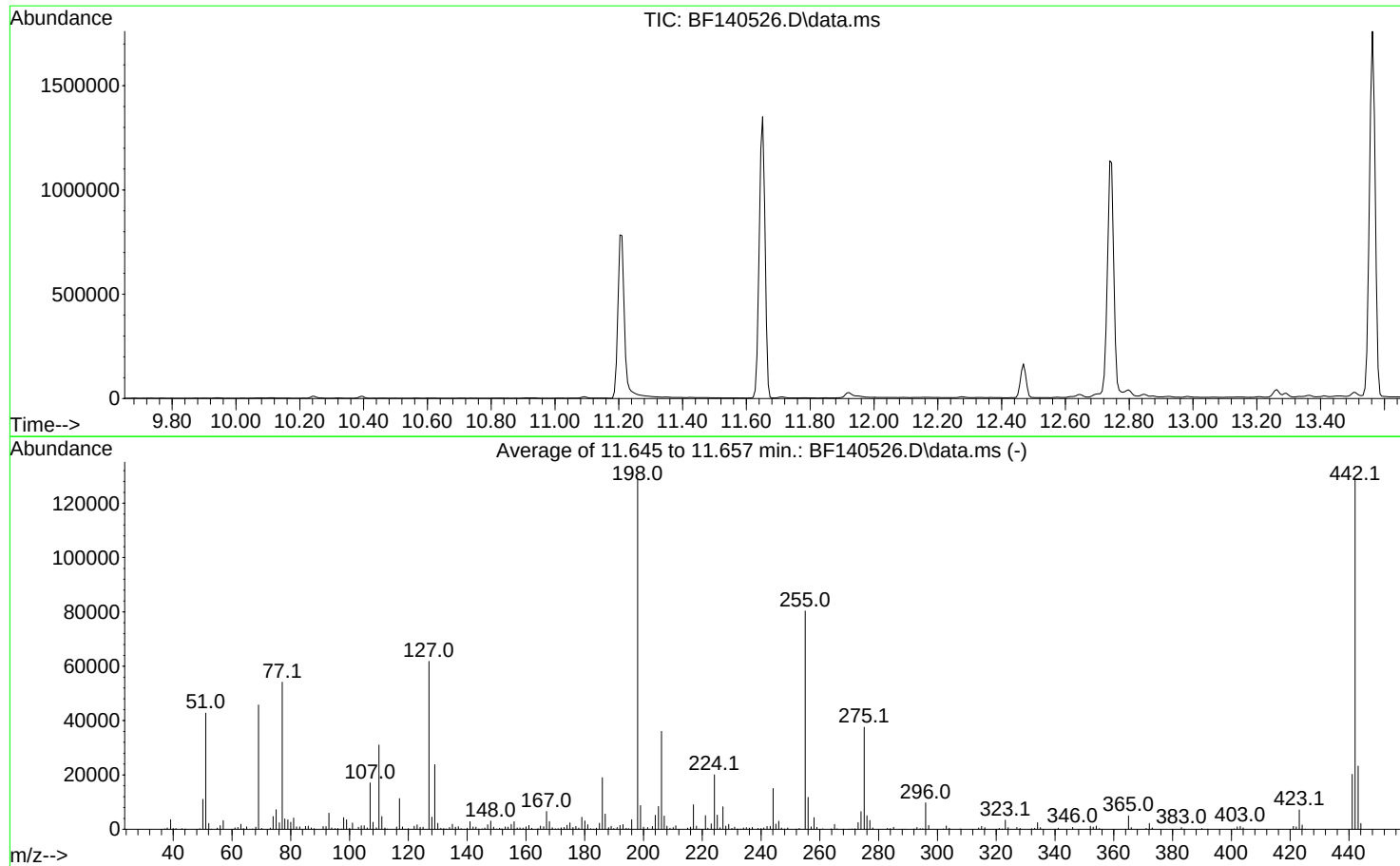
QC SAMPLE DATA

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

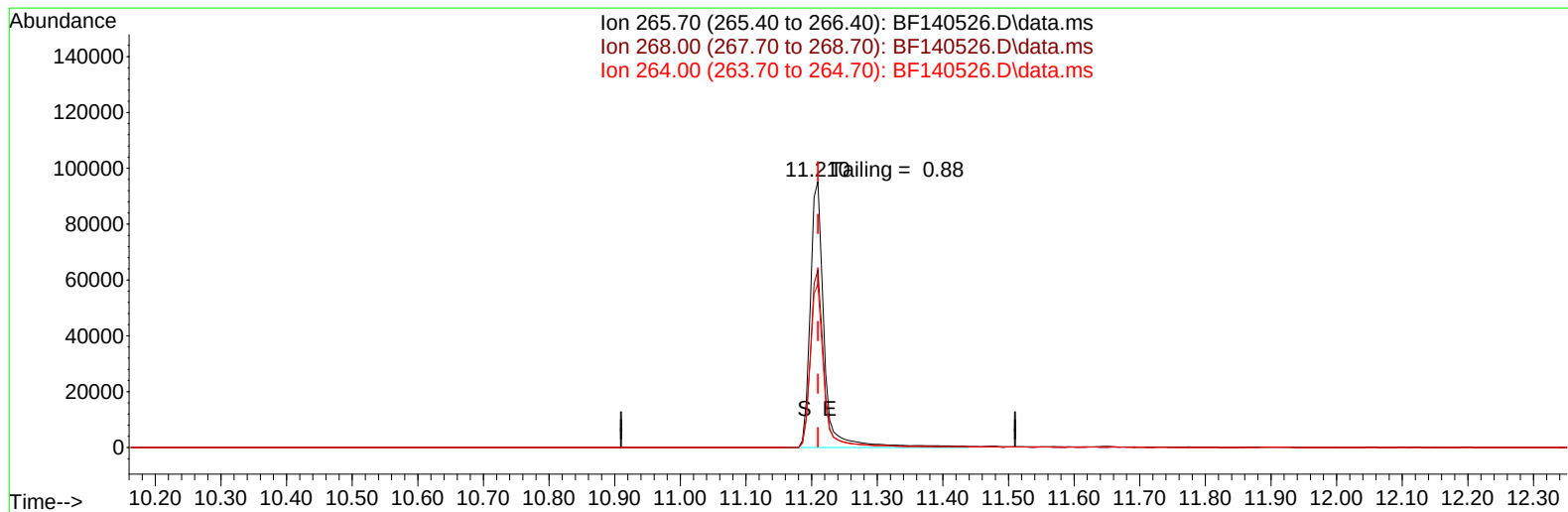
Date	Instrument Name	DFTPP Data File
11/21/2024	BNA_F	<u>BF140526.D</u>
Compound Name	Response	Retention Time
DDT	424151	13.562
DDD	14557	13.262
DDE	1132	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
15689	439840	3.57

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

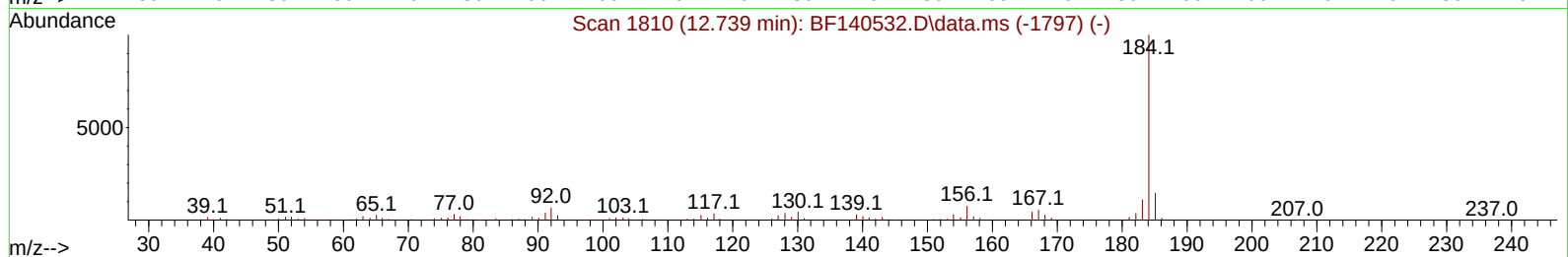
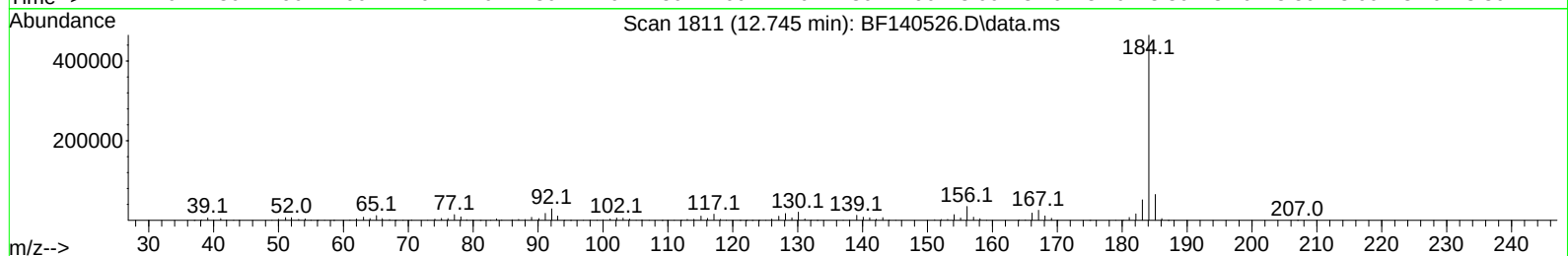
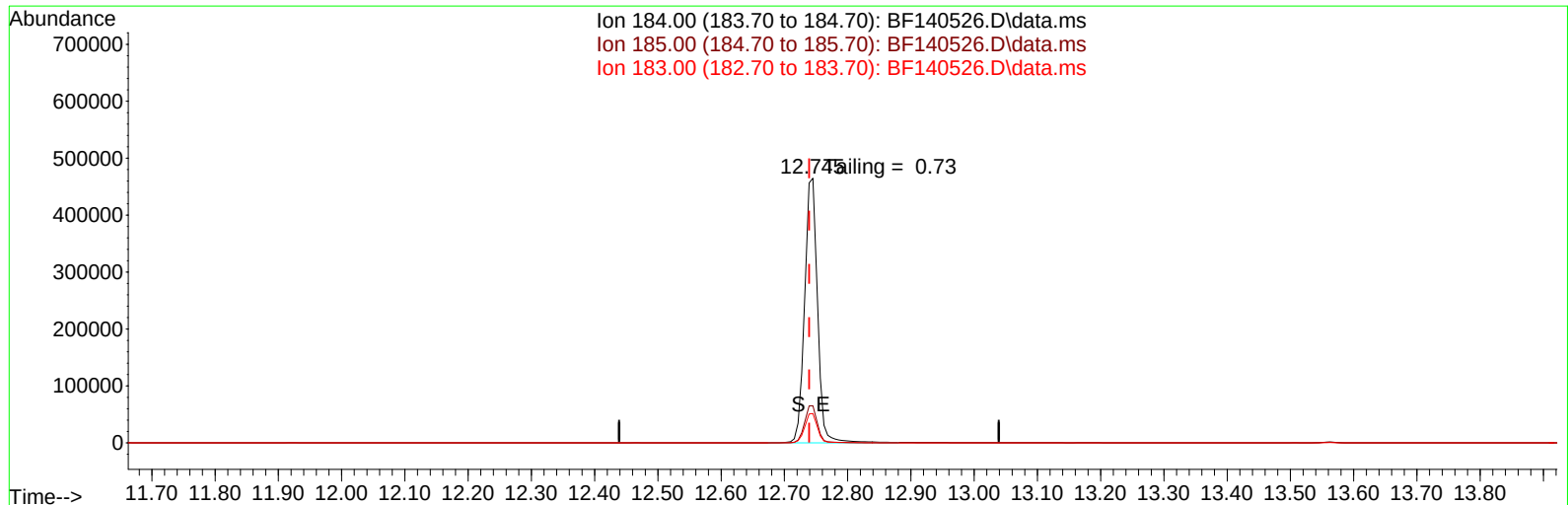
Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



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

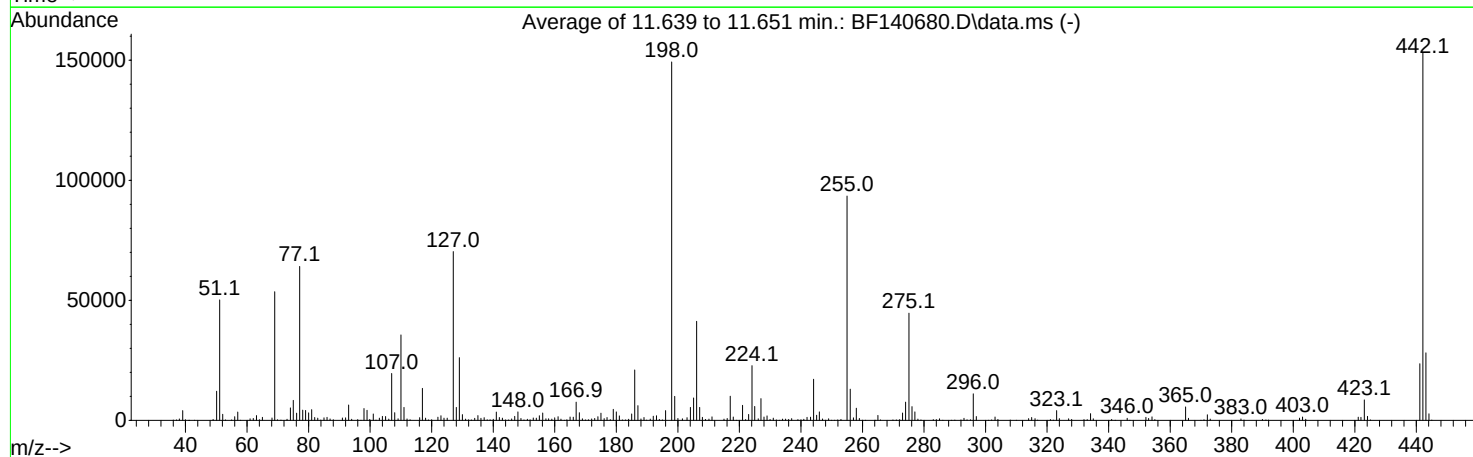
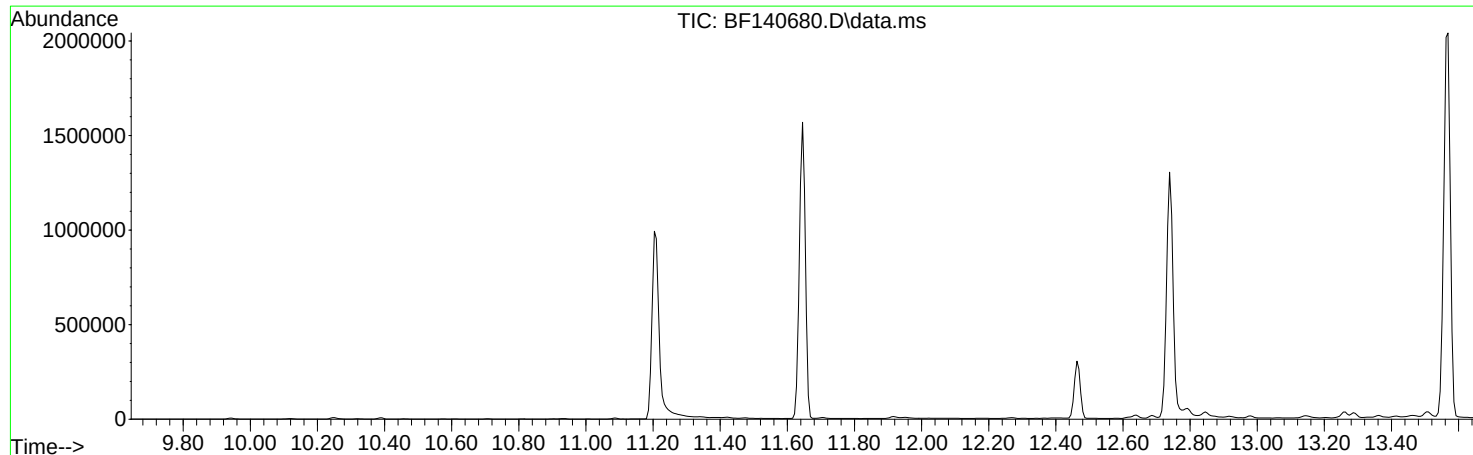
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.02
183.00	11.00	11.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140680.D
Acq On : 02 Dec 2024 09:05
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 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.6	50173	PASS
68	69	0.00	2	1.9	999	PASS
69	198	0.00	100	35.9	53580	PASS
70	69	0.00	2	0.5	280	PASS
127	198	10	80	47.1	70339	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	149269	PASS
199	198	5	9	6.7	10008	PASS
275	198	10	60	29.9	44685	PASS
365	198	1	100	3.8	5603	PASS
441	198	0.01	100	15.8	23611	PASS
442	442	50	100	100.0	153221	PASS
443	442	15	24	18.4	28133	PASS

DDT Breakdown

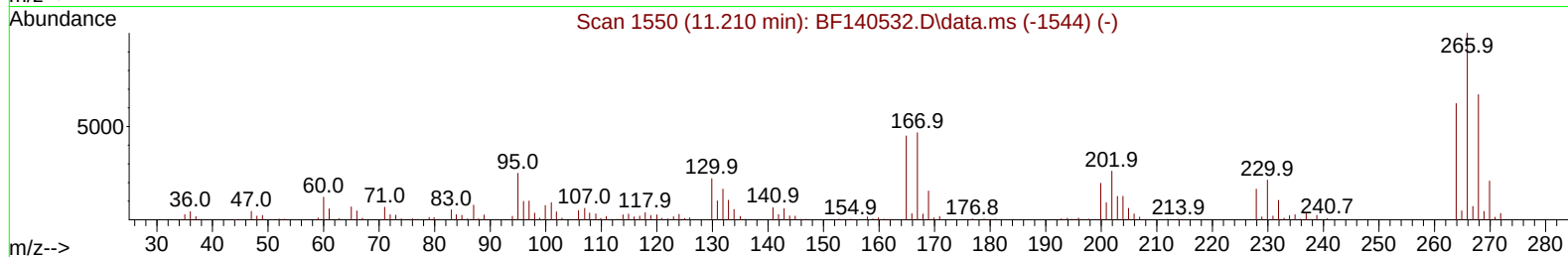
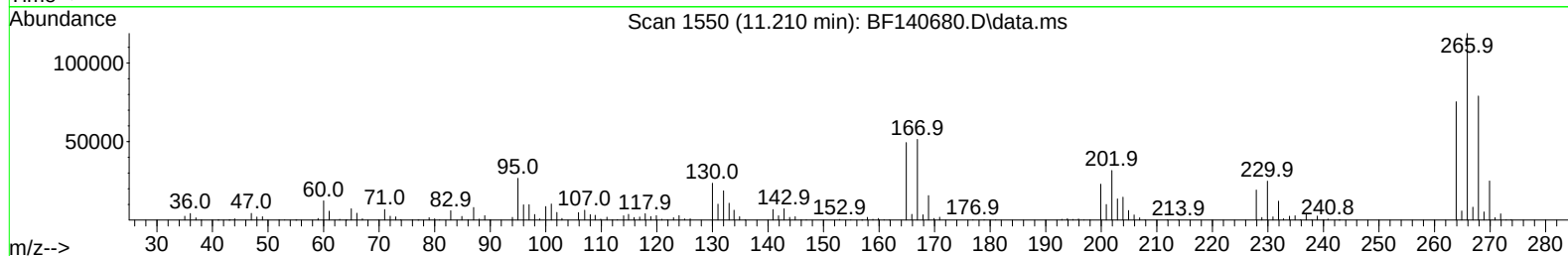
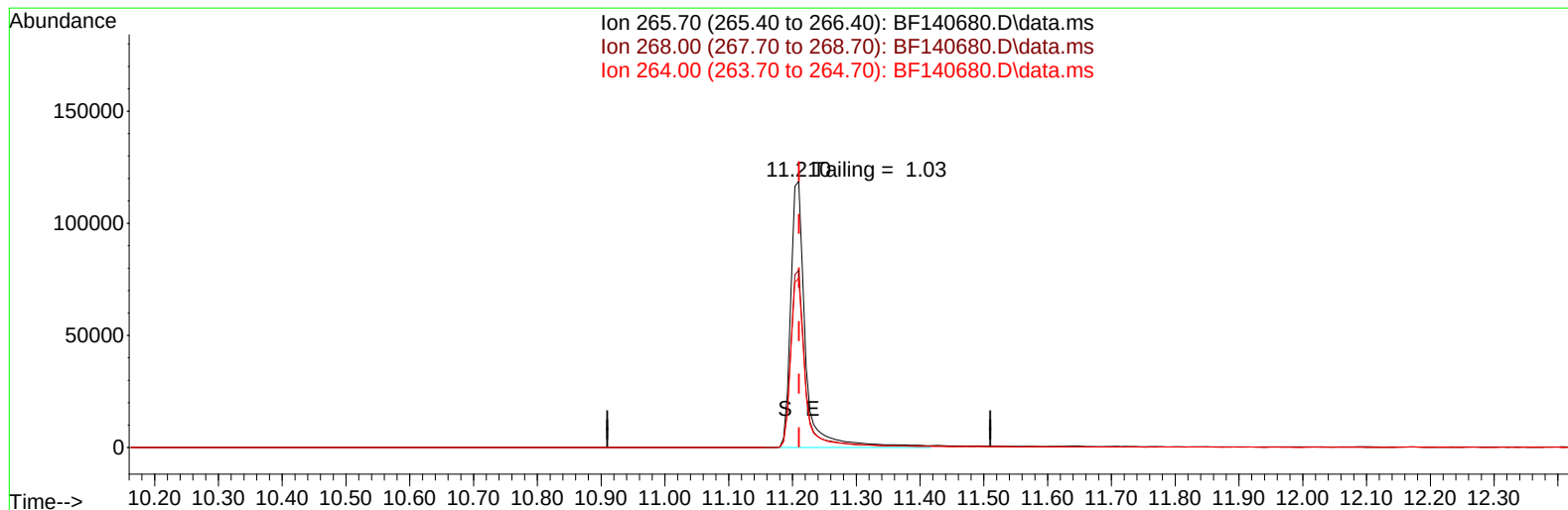
Date	Instrument Name	DFTPP Data File
12/2/2024	BNA_F	<u>BF140680.D</u>
Compound Name	Response	Retention Time
DDT	546879	13.568
DDD	16061	13.263
DDE	2435	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18496	565375	3.27

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140680.D
Acq On : 02 Dec 2024 09:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 02 10:53:38 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: BF140680.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 19742.67 ng

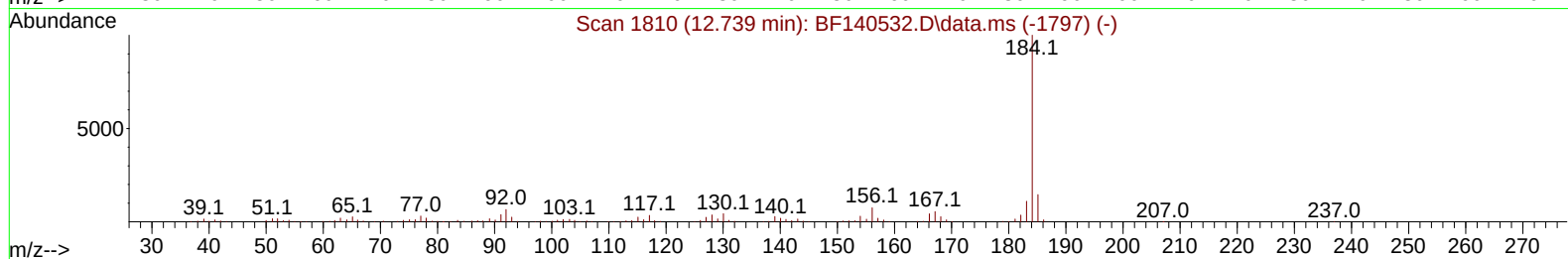
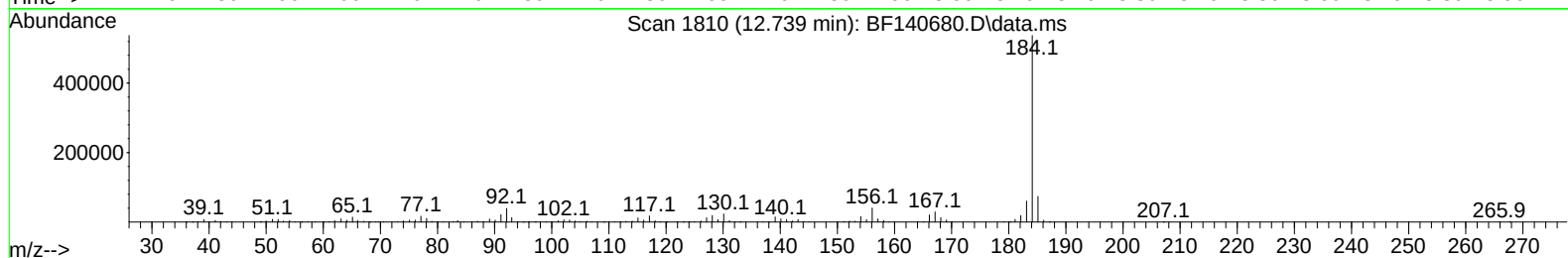
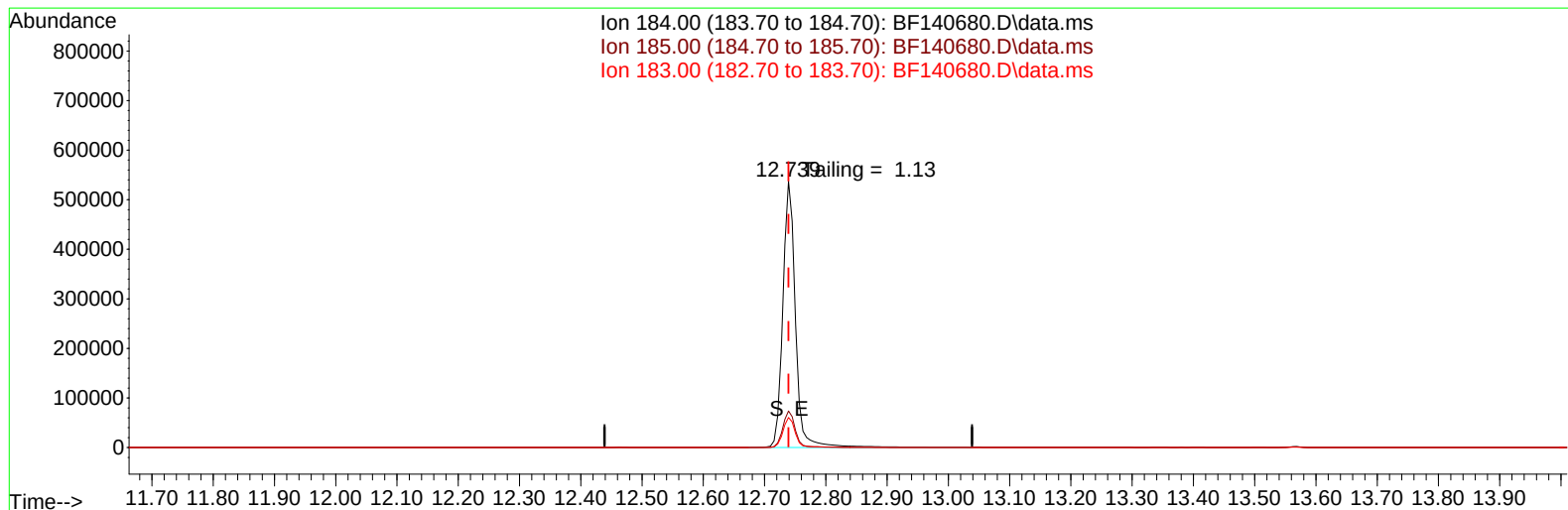
response 192207

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	66.55
264.00	62.30	63.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
Data File : BF140680.D
Acq On : 02 Dec 2024 09:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 02 10:53:38 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: BF140680.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 18798.86 ng

response 775031

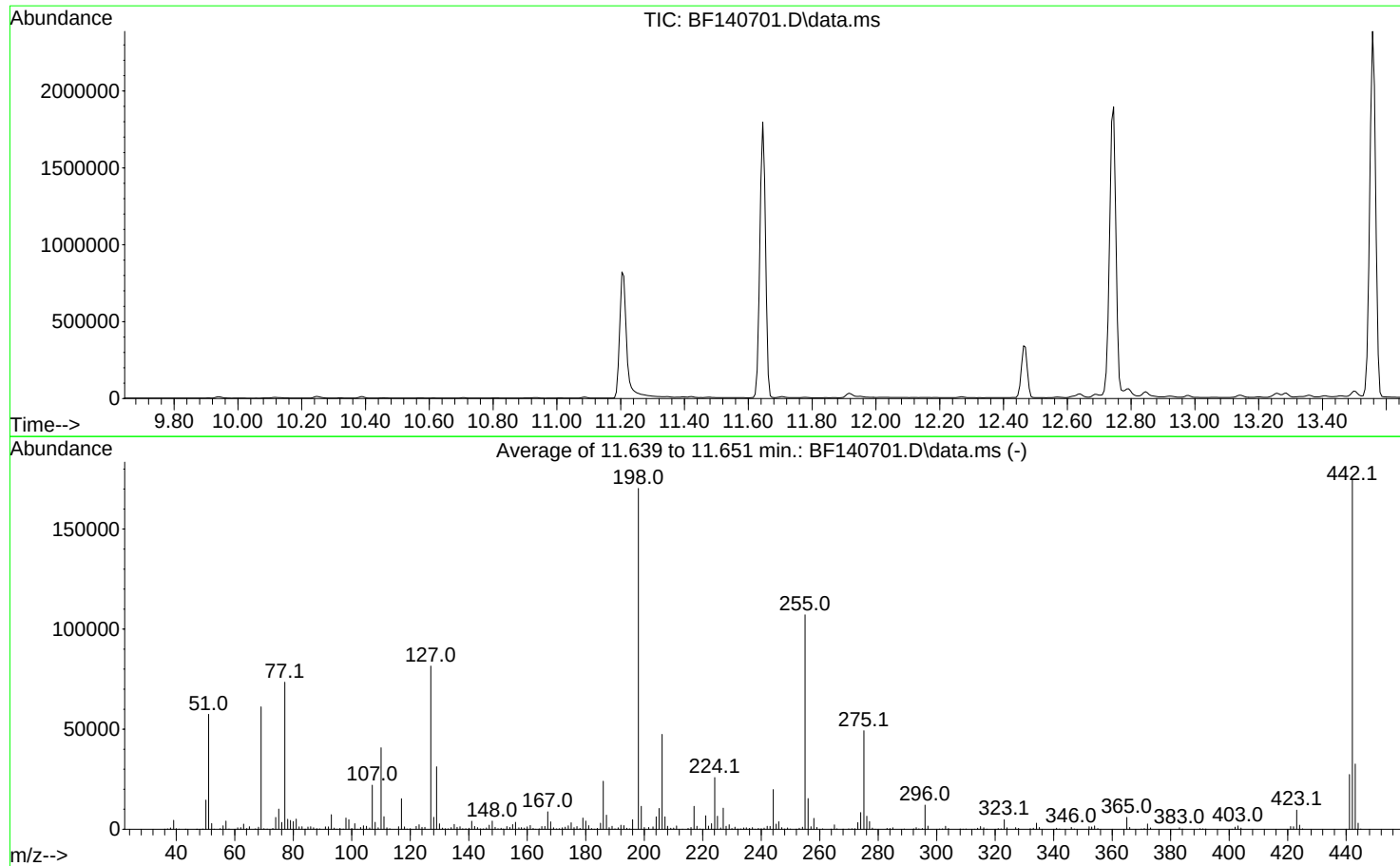
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	13.73
183.00	11.00	11.31
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140701.D
Acq On : 03 Dec 2024 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-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 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.7	57429	PASS
68	69	0.00	2	1.8	1107	PASS
69	198	0.00	100	35.9	61161	PASS
70	69	0.00	2	0.6	346	PASS
127	198	10	80	47.9	81539	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	170304	PASS
199	198	5	9	6.8	11503	PASS
275	198	10	60	28.9	49245	PASS
365	198	1	100	3.5	5967	PASS
441	198	0.01	100	16.1	27336	PASS
442	442	50	100	100.0	174739	PASS
443	442	15	24	18.7	32595	PASS

DDT Breakdown

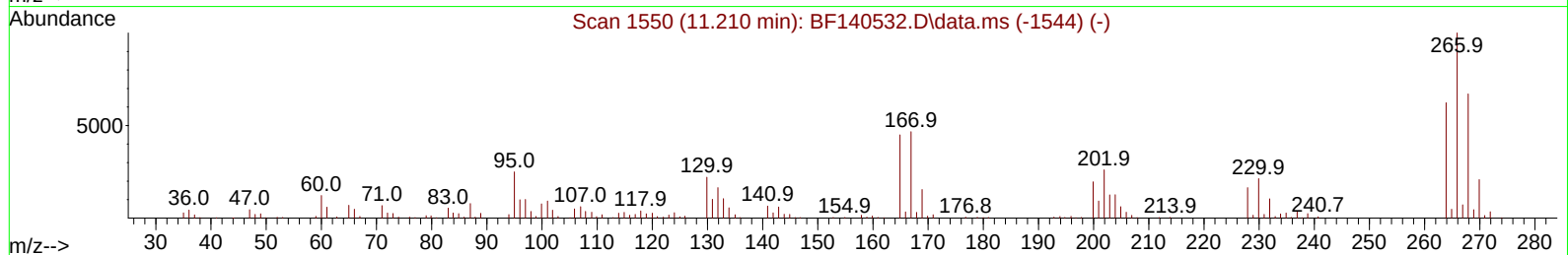
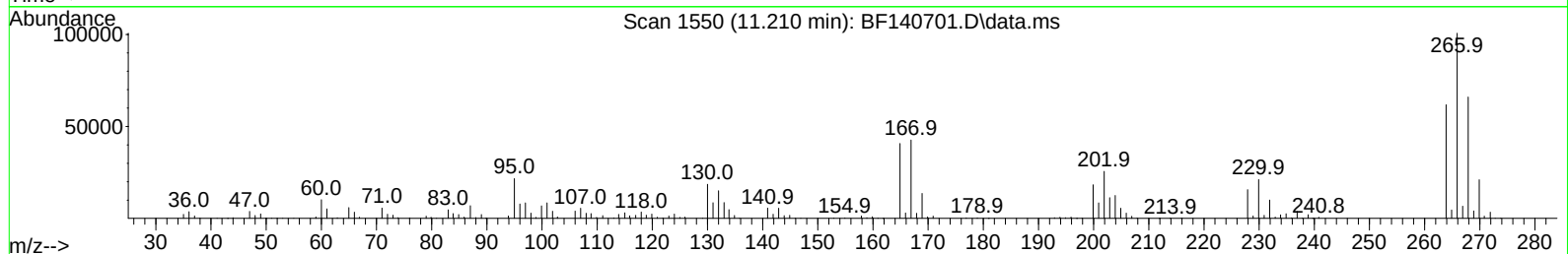
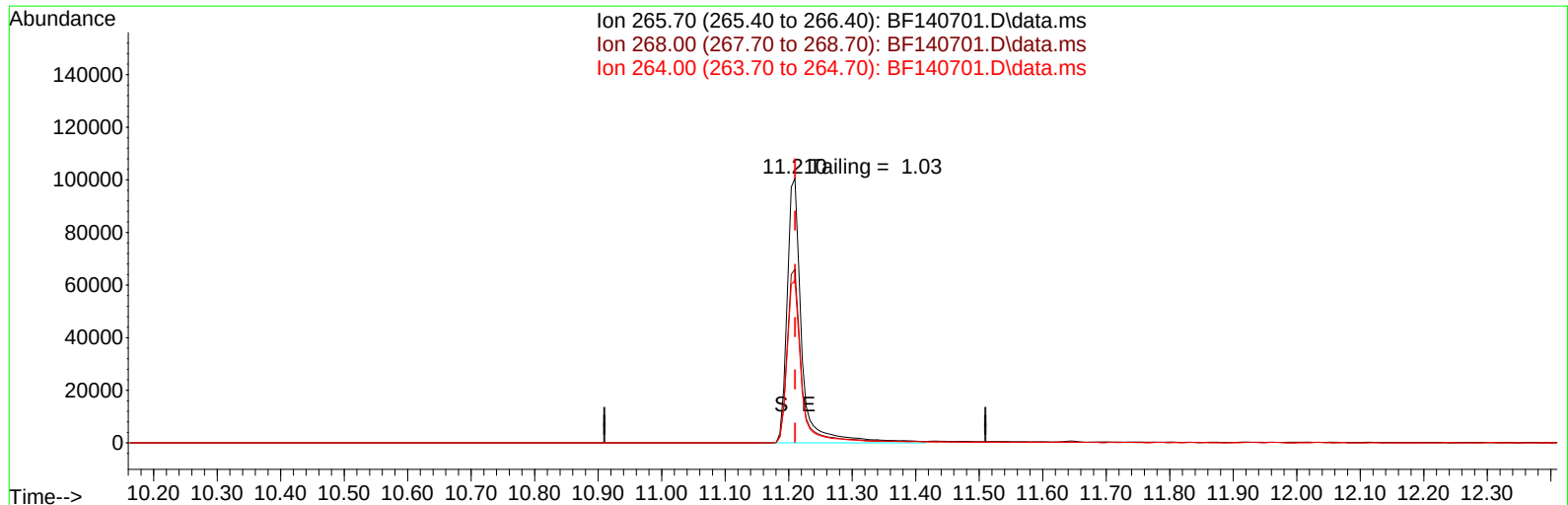
Date	Instrument Name	DFTPP Data File
12/3/2024	BNA_F	<u>BF140701.D</u>
Compound Name	Response	Retention Time
DDT	617260	13.557
DDD	16771	13.257
DDE	2986	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
19757	637017	3.10

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140701.D
Acq On : 03 Dec 2024 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 03 12:35:37 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: BF140701.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 13968.96 ng

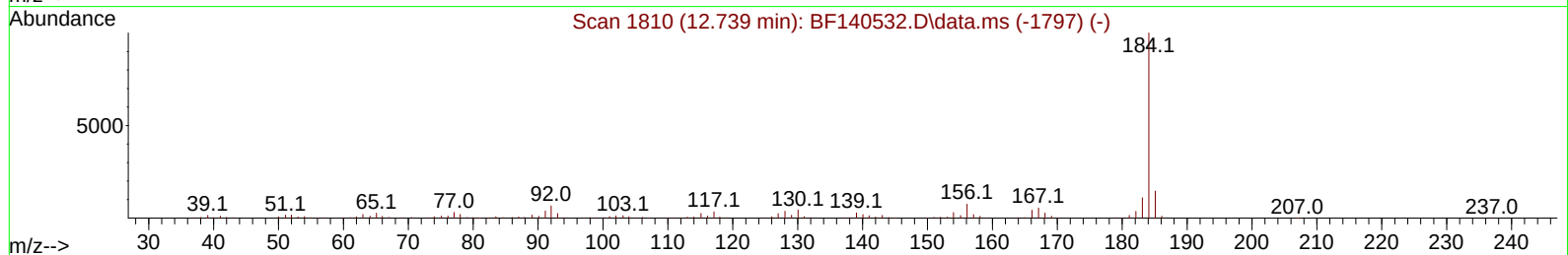
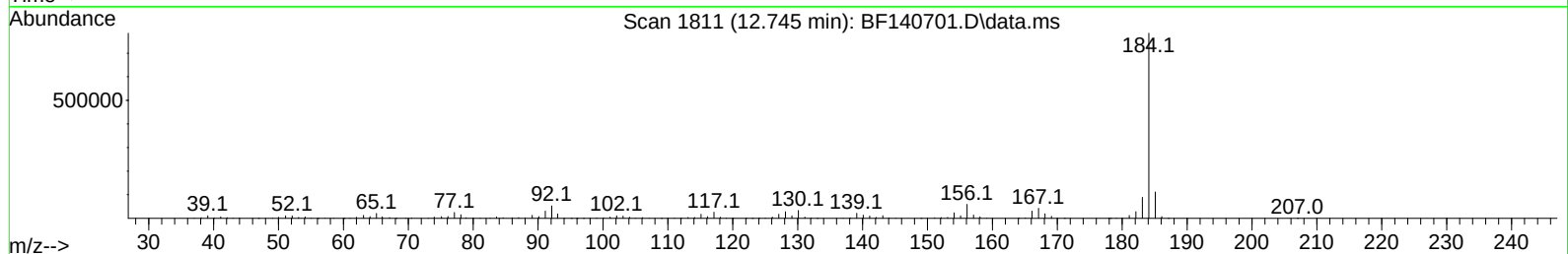
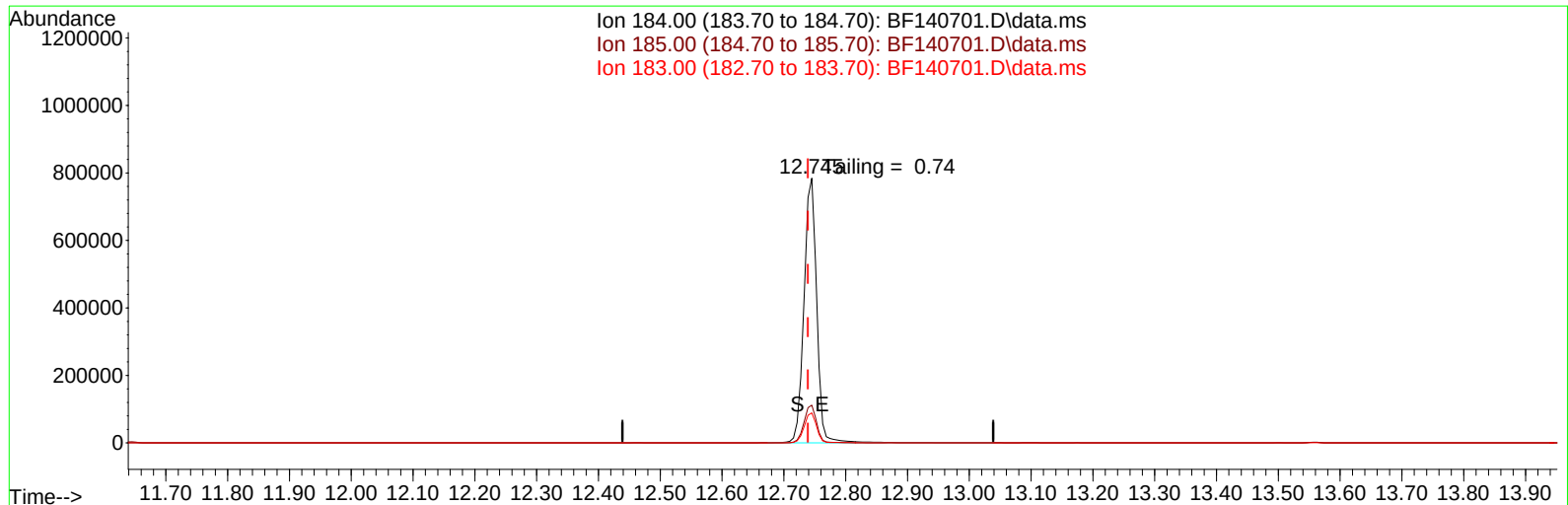
response 162096

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	65.61
264.00	62.30	61.42
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140701.D
Acq On : 03 Dec 2024 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 03 12:35:37 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: BF140701.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 19954.27 ng

response 1120287

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.27
183.00	11.00	11.36
0.00	0.00	0.00

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Hamilton	Date Received:	
Client Sample ID:	PB165312BL	SDG No.:	P5026
Lab Sample ID:	PB165312BL	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
BF140703.D	1	12/02/24 09:00	12/03/24 11:56	PB165312

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	0.086	U	0.086	0.17	mg/Kg
83-32-9	Acenaphthene	0.081	U	0.081	0.17	mg/Kg
86-73-7	Fluorene	0.085	U	0.085	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	0.079	U	0.079	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	86.6		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.4		20 - 109	90%	SPK: 100
1718-51-0	Terphenyl-d14	91.0		10 - 105	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79700	6.869			
1146-65-2	Naphthalene-d8	306000	8.145			
15067-26-2	Acenaphthene-d10	175000	9.904			
1517-22-2	Phenanthrene-d10	344000	11.398			
1719-03-5	Chrysene-d12	226000	14.063			
1520-96-3	Perylene-d12	179000	15.586			

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Hamilton	Date Received:	
Client Sample ID:	PB165312BL	SDG No.:	P5026
Lab Sample ID:	PB165312BL	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
BF140703.D	1	12/02/24 09:00	12/03/24 11:56	PB165312

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\BF120324\
Data File : BF140703.D
Acq On : 03 Dec 2024 11:56
Operator : RC/JU
Sample : PB165312BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165312BL

Quant Time: Dec 03 12:34:37 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	79681	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	306120	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	175092	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	343900	20.000	ng	0.00
76) Chrysene-d12	14.063	240	225506	20.000	ng	0.01
86) Perylene-d12	15.586	264	178705	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	617627	132.252	ng	0.01
7) Phenol-d6	6.510	99	785094	127.163	ng	0.00
23) Nitrobenzene-d5	7.428	82	518127	86.575	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	238269	127.238	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1062354	90.401	ng	-0.01
79) Terphenyl-d14	12.986	244	1317571	90.979	ng	0.00

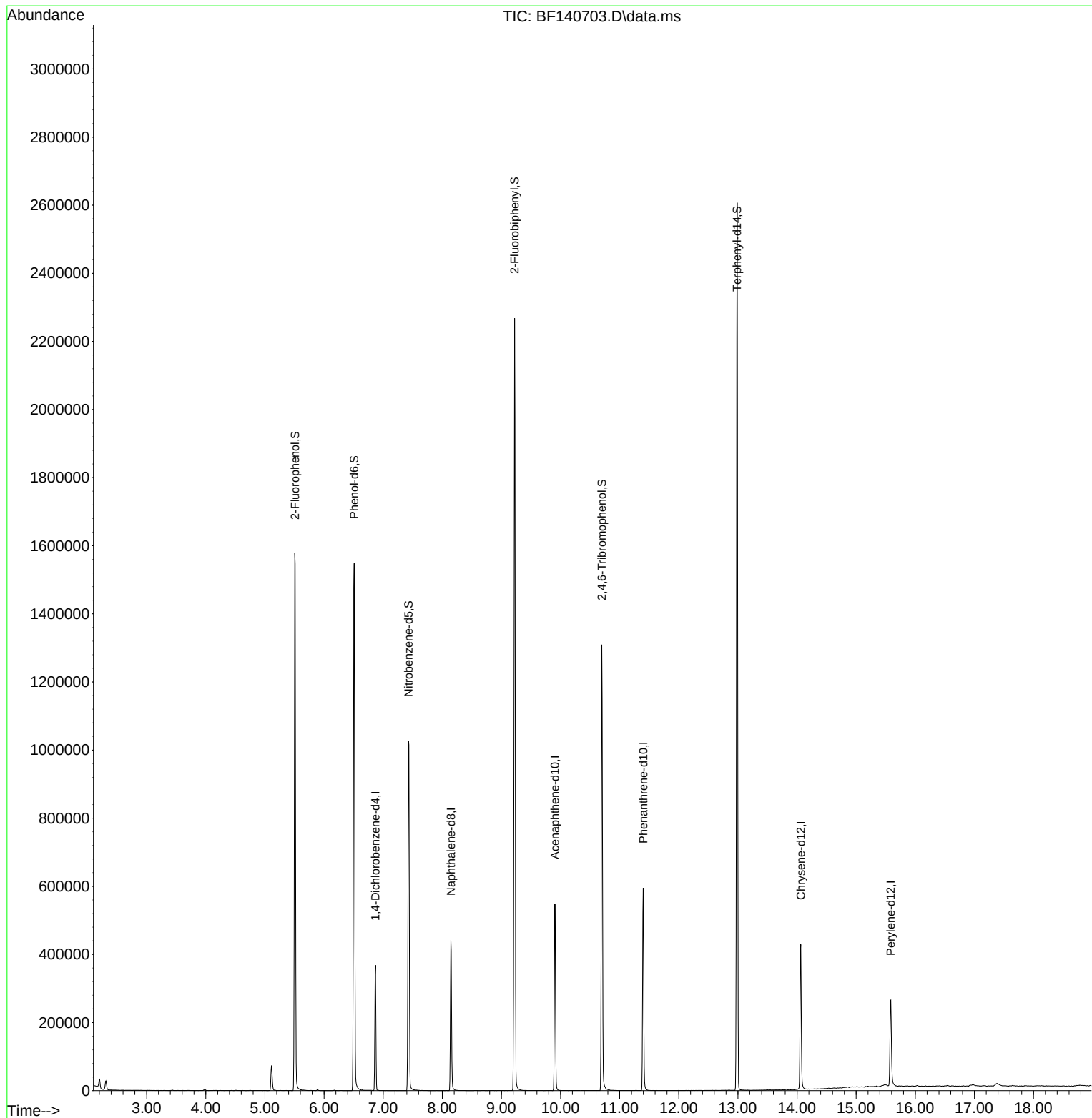
Target Compounds	Qvalue

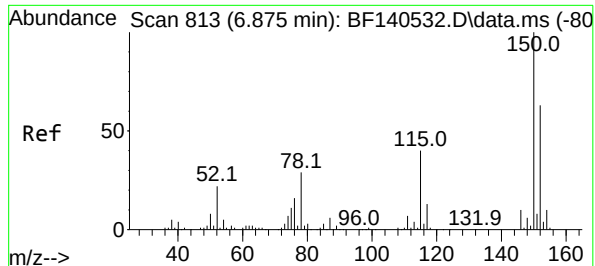
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140703.D
Acq On : 03 Dec 2024 11:56
Operator : RC/JU
Sample : PB165312BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165312BL

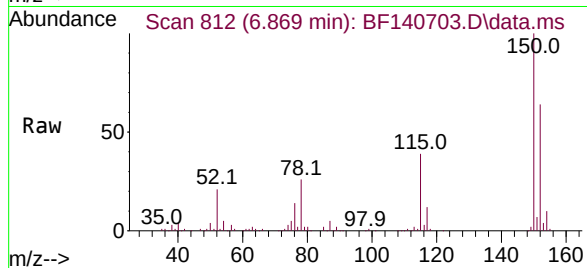
Quant Time: Dec 03 12:34:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



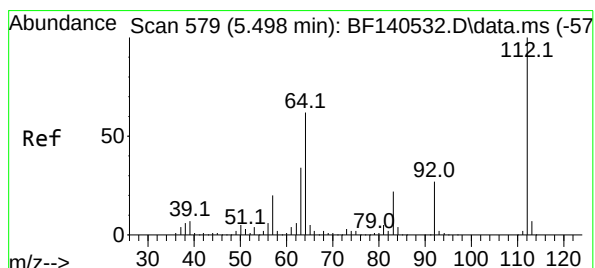
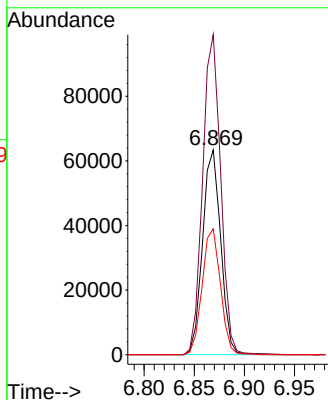
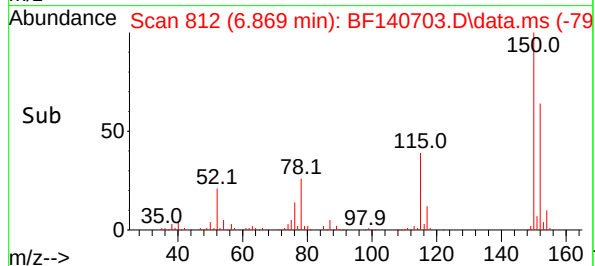


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

Instrument :
BNA_F
ClientSampleId :
PB165312BL

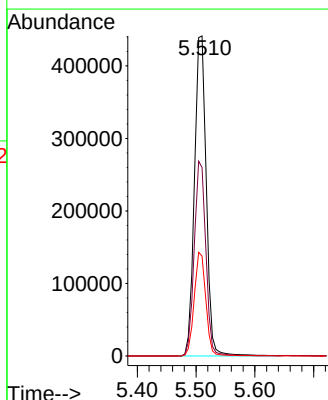
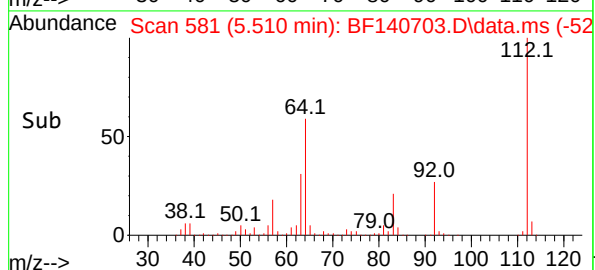
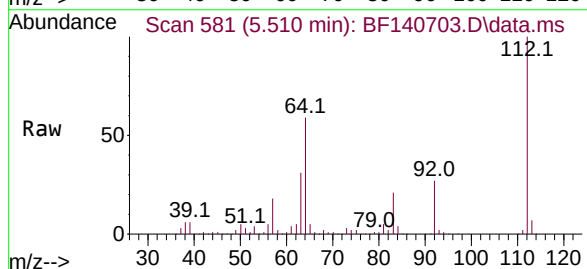


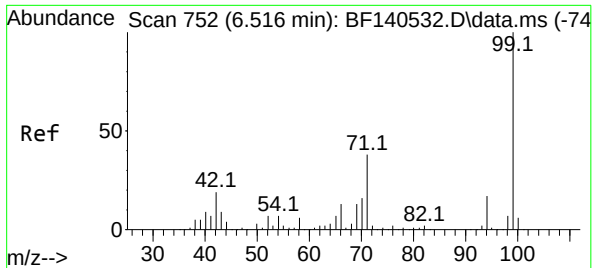
Tgt Ion:152 Resp: 79681
Ion Ratio Lower Upper
152 100
150 156.3 128.5 192.7
115 61.4 50.2 75.4



#5
2-Fluorophenol
Concen: 132.252 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

Tgt Ion:112 Resp: 617627
Ion Ratio Lower Upper
112 100
64 58.9 49.2 73.8
63 31.2 27.0 40.4

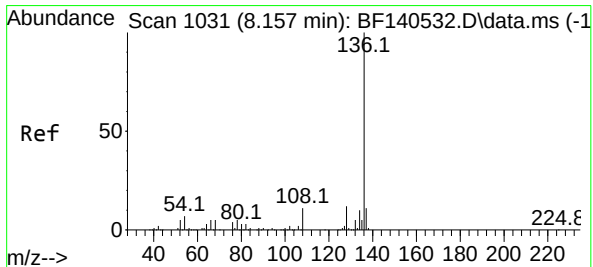
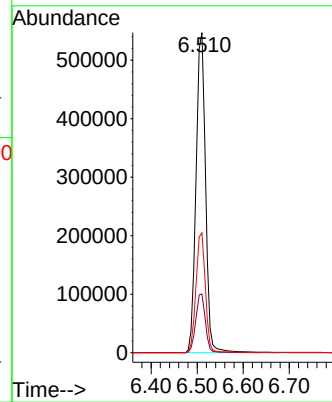
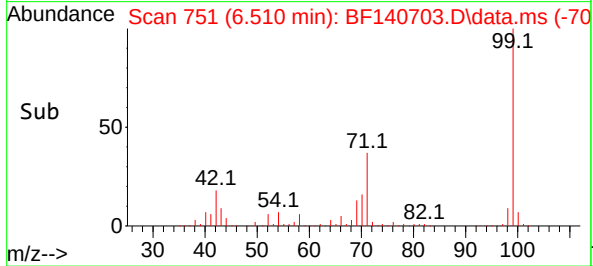
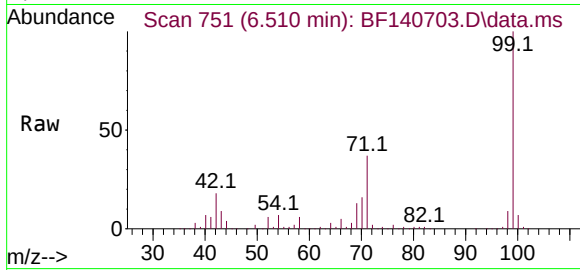




#7
Phenol-d6
Concen: 127.163 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

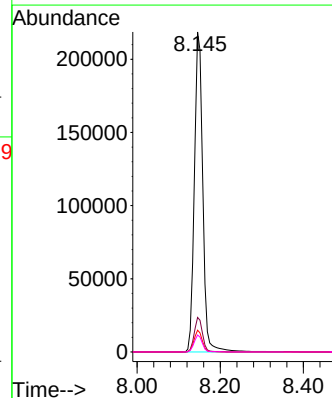
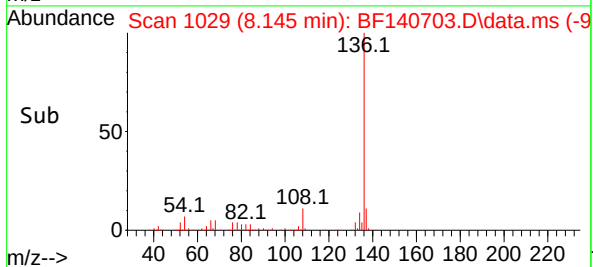
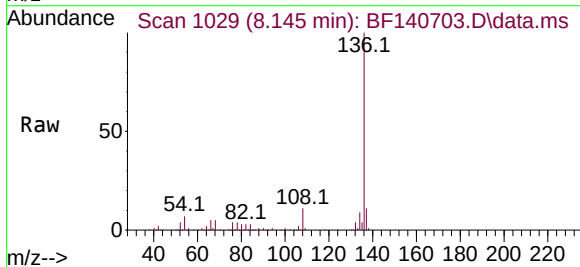
Instrument :
BNA_F
ClientSampleId :
PB165312BL

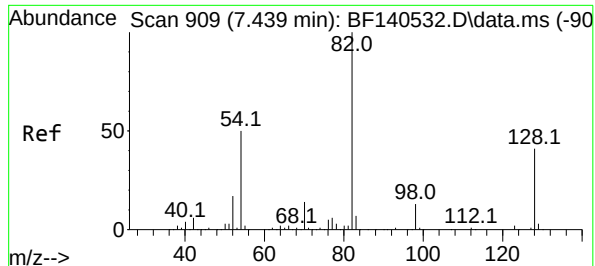
Tgt Ion: 99 Resp: 785094
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 37.4 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

Tgt Ion: 136 Resp: 306120
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.8 5.8 8.8
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 86.575 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140703.D

Acq: 03 Dec 2024 11:56

Instrument :

BNA_F

ClientSampleId :

PB165312BL

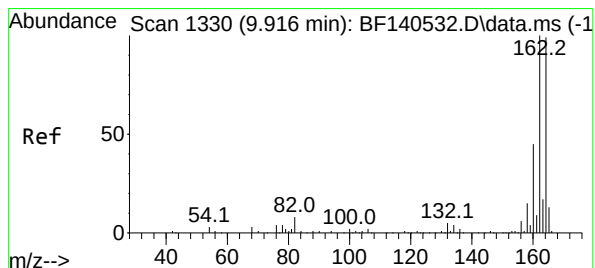
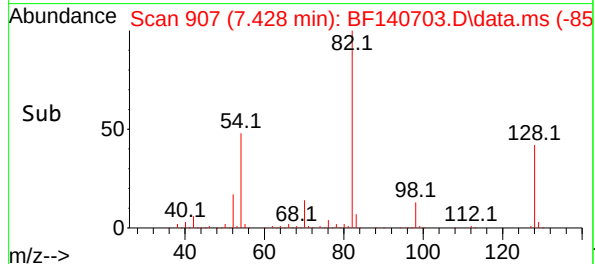
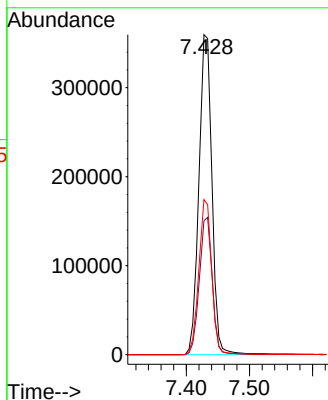
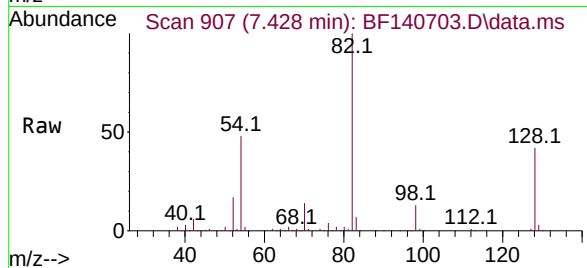
Tgt Ion: 82 Resp: 518127

Ion Ratio Lower Upper

82 100

128 41.9 33.0 49.4

54 48.5 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140703.D

Acq: 03 Dec 2024 11:56

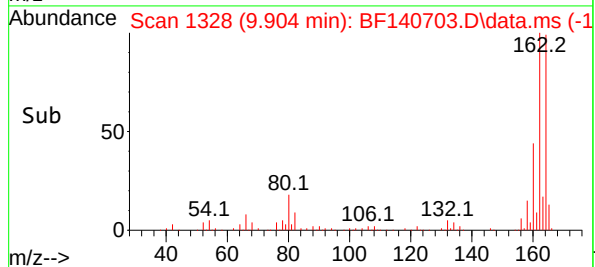
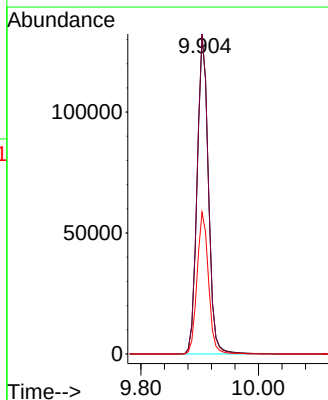
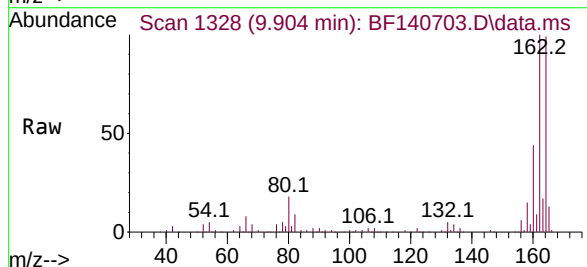
Tgt Ion: 164 Resp: 175092

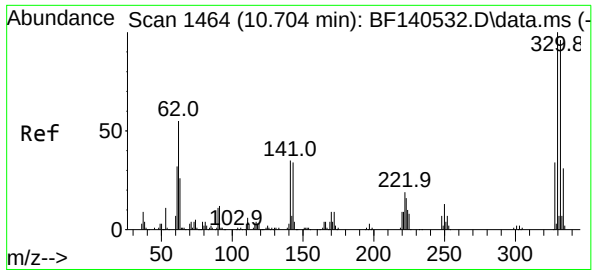
Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

160 44.6 36.2 54.4

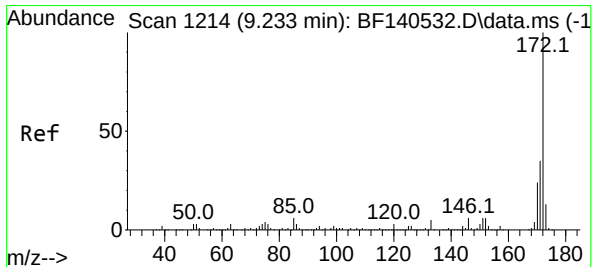
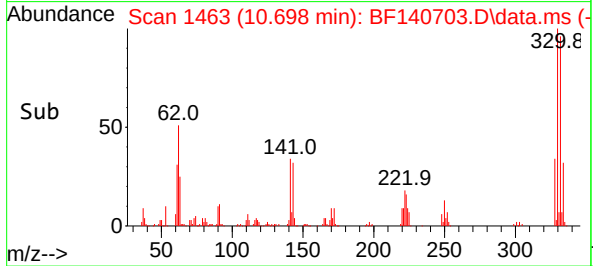
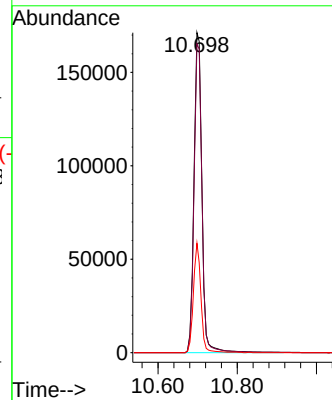
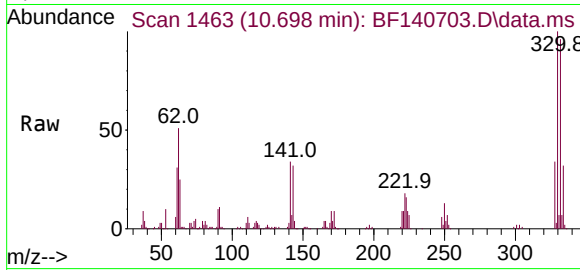




#42
2,4,6-Tribromophenol
Concen: 127.238 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

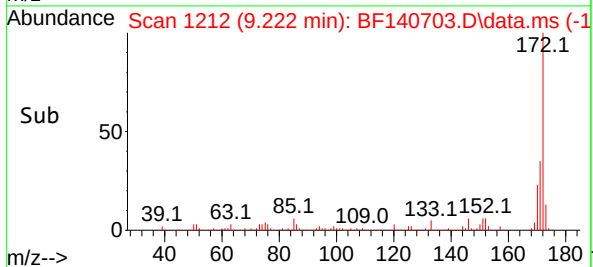
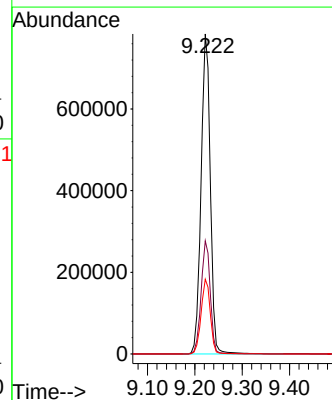
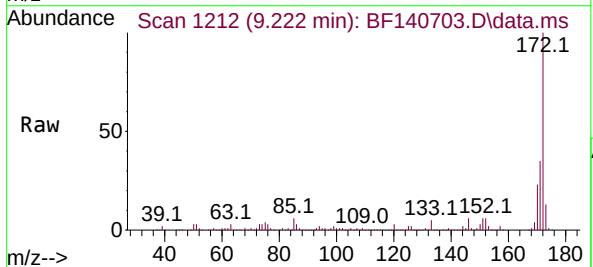
Instrument :
BNA_F
ClientSampleId :
PB165312BL

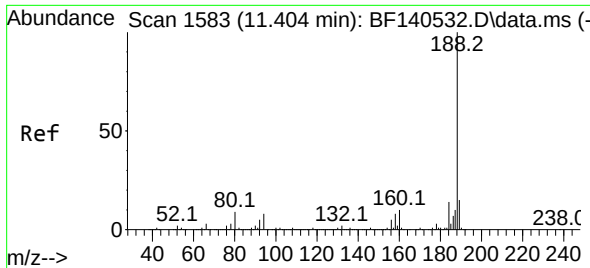
Tgt Ion:330 Resp: 238269
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 32.5 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 90.401 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

Tgt Ion:172 Resp: 1062354
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.3 19.0 28.6

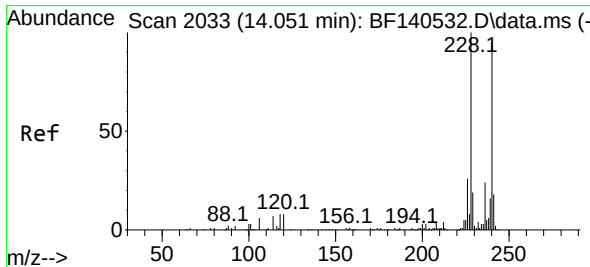
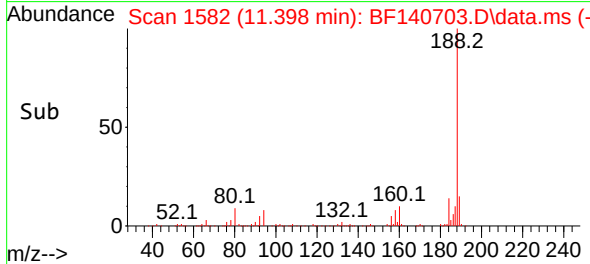
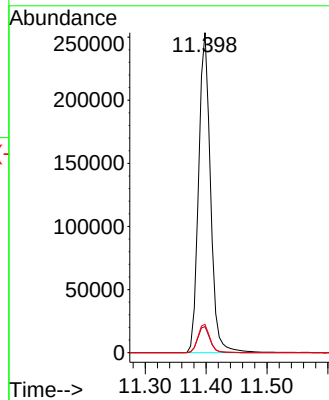
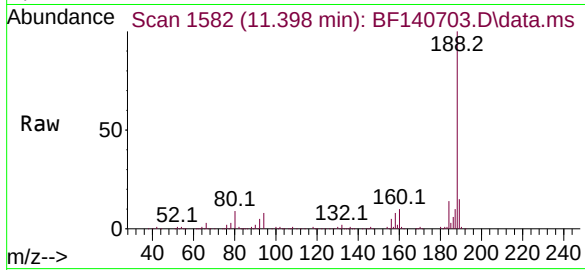




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

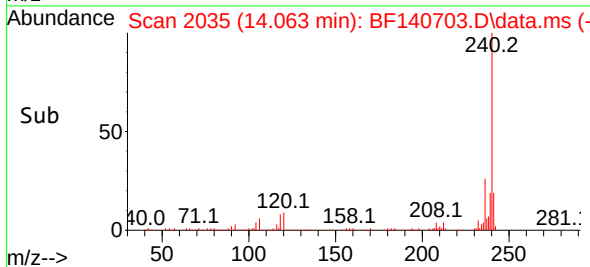
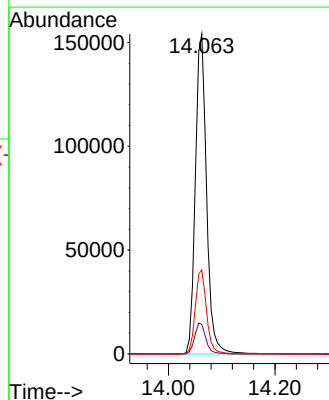
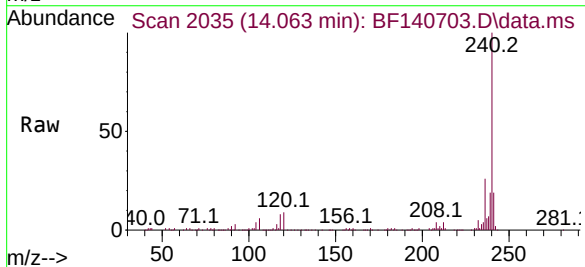
Instrument :
BNA_F
ClientSampleId :
PB165312BL

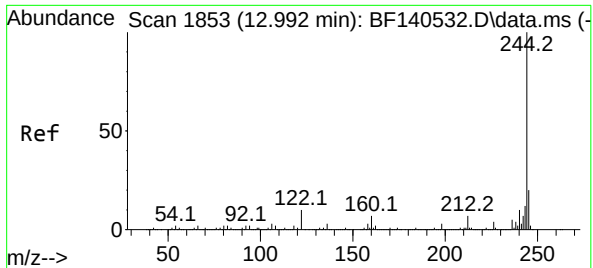
Tgt Ion:188 Resp: 343900
Ion Ratio Lower Upper
188 100
94 8.1 6.4 9.6
80 8.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

Tgt Ion:240 Resp: 225506
Ion Ratio Lower Upper
240 100
120 9.3 7.3 10.9
236 26.3 20.6 31.0

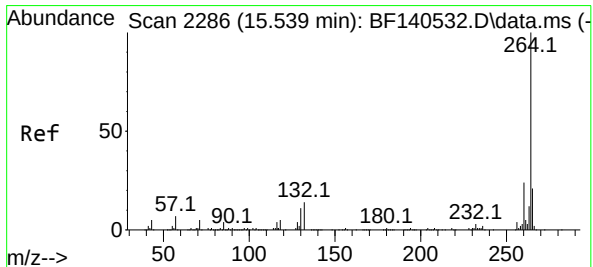
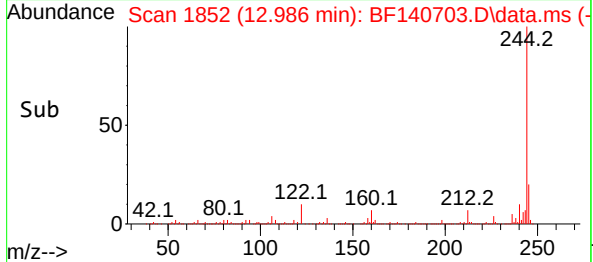
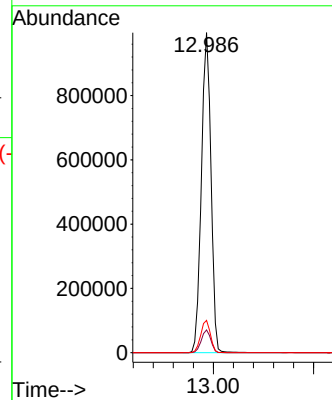
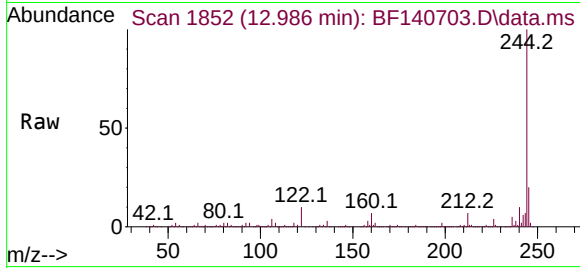




#79
Terphenyl-d14
Concen: 90.979 ng
RT: 12.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

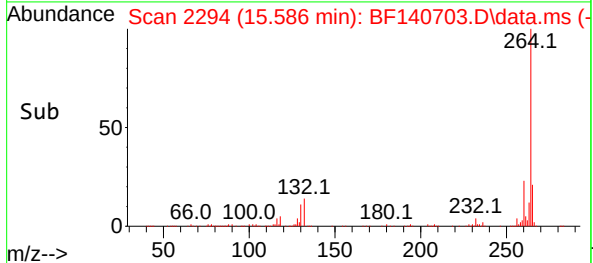
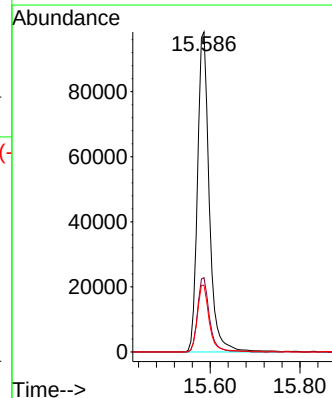
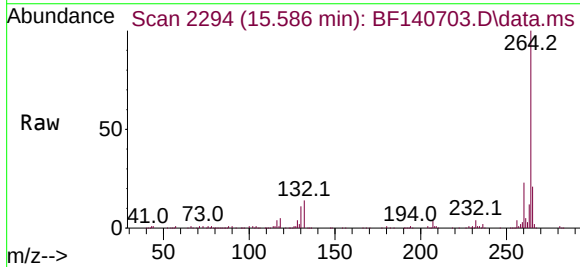
Instrument :
BNA_F
ClientSampleId :
PB165312BL

Tgt Ion:244 Resp: 1317571
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.1 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2294
Delta R.T. 0.047 min
Lab File: BF140703.D
Acq: 03 Dec 2024 11:56

Tgt Ion:264 Resp: 178705
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 20.8 16.6 25.0



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	Hamilton	Date Received:	
Client Sample ID:	PB165312BS	SDG No.:	P5026
Lab Sample ID:	PB165312BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140704.D	1	12/02/24 09:00	12/03/24 12:22	PB165312

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	1.70		0.086	0.17	mg/Kg
83-32-9	Acenaphthene	1.60		0.081	0.17	mg/Kg
86-73-7	Fluorene	1.60		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	1.60		0.082	0.17	mg/Kg
129-00-0	Pyrene	1.60		0.083	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.70		0.081	0.17	mg/Kg
218-01-9	Chrysene	1.70		0.079	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.70		0.081	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.083	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.80		0.093	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.80		0.078	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.80		0.081	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.080	0.17	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	84.7		18 - 107	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		20 - 109	88%	SPK: 100
1718-51-0	Terphenyl-d14	95.2		10 - 105	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	89500	6.869			
1146-65-2	Naphthalene-d8	356000	8.151			
15067-26-2	Acenaphthene-d10	205000	9.91			
1517-22-2	Phenanthrene-d10	400000	11.398			
1719-03-5	Chrysene-d12	241000	14.057			
1520-96-3	Perylene-d12	201000	15.563			

Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	
Project:	Hamilton		Date Received:	
Client Sample ID:	PB165312BS		SDG No.:	P5026
Lab Sample ID:	PB165312BS		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	100
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-PAH
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140704.D	1	12/02/24 09:00	12/03/24 12:22	PB165312

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\BF120324\
 Data File : BF140704.D
 Acq On : 03 Dec 2024 12:22
 Operator : RC/JU
 Sample : PB165312BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:55:08 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	89477	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	355921	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	205335	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	400071	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241048	20.000	ng	0.00
86) Perylene-d12	15.563	264	201165	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	697561	133.016	ng	0.01
7) Phenol-d6	6.516	99	896319	129.284	ng	0.00
23) Nitrobenzene-d5	7.434	82	589073	84.657	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	301764	137.411	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1219648	88.500	ng	0.00
79) Terphenyl-d14	12.986	244	1474108	95.225	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	89096	40.408	ng	99
3) Pyridine	3.487	79	220170	45.384	ng	99
4) n-Nitrosodimethylamine	3.434	42	121115	42.478	ng	92
6) Aniline	6.534	93	249081	51.043	ng	86
8) 2-Chlorophenol	6.663	128	283092	50.176	ng	95
9) Benzaldehyde	6.422	77	45580	12.419	ng	99
10) Phenol	6.528	94	344405	48.643	ng	99
11) bis(2-Chloroethyl)ether	6.604	93	270284	49.886	ng	100
12) 1,3-Dichlorobenzene	6.810	146	292082	46.073	ng	98
13) 1,4-Dichlorobenzene	6.887	146	298193	46.454	ng	99
14) 1,2-Dichlorobenzene	7.040	146	284253	47.258	ng	99
15) Benzyl Alcohol	7.016	79	251818	48.978	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	330582	51.647	ng	91
17) 2-Methylphenol	7.134	107	219106	48.514	ng	97
18) Hexachloroethane	7.375	117	111288	46.420	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	198906	48.545	ng	97
20) 3+4-Methylphenols	7.287	107	283882	48.903	ng	# 89
22) Acetophenone	7.281	105	383497	44.196	ng	98
24) Nitrobenzene	7.457	77	306556	42.627	ng	97
25) Isophorone	7.692	82	549561	47.352	ng	99
26) 2-Nitrophenol	7.769	139	150068	47.087	ng	97
27) 2,4-Dimethylphenol	7.804	122	230108m	60.345	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	340037	48.093	ng	100
29) 2,4-Dichlorophenol	8.016	162	241562	47.808	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	255790	44.338	ng	99
31) Naphthalene	8.175	128	850128	46.371	ng	99
32) Benzoic acid	7.939	122	103375	33.677	ng	98
33) 4-Chloroaniline	8.228	127	160604	29.259	ng	98
34) Hexachlorobutadiene	8.287	225	173390	45.376	ng	100
35) Caprolactam	8.598	113	79495m	50.838	ng	
36) 4-Chloro-3-methylphenol	8.716	107	277090	48.980	ng	99
37) 2-Methylnaphthalene	8.863	142	576985	49.550	ng	99
38) 1-Methylnaphthalene	8.963	142	532357	46.641	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	281335	46.802	ng	99
41) Hexachlorocyclopentadiene	9.010	237	227711	160.458	ng	97
43) 2,4,6-Trichlorophenol	9.145	196	178510	47.326	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140704.D
 Acq On : 03 Dec 2024 12:22
 Operator : RC/JU
 Sample : PB165312BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:55:08 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	9.198	196	187175	45.723	ng	97
46) 1,1'-Biphenyl	9.328	154	725593	47.330	ng	100
47) 2-Chloronaphthalene	9.357	162	539639	46.456	ng	98
48) 2-Nitroaniline	9.457	65	176469	47.329	ng	94
49) Acenaphthylene	9.769	152	886756	50.523	ng	100
50) Dimethylphthalate	9.628	163	679143	50.220	ng	100
51) 2,6-Dinitrotoluene	9.698	165	144864	47.233	ng	92
52) Acenaphthene	9.939	154	538713	48.306	ng	99
53) 3-Nitroaniline	9.869	138	92352	30.787	ng	95
54) 2,4-Dinitrophenol	9.986	184	115161	73.234	ng	93
55) Dibenzofuran	10.116	168	805707	47.366	ng	99
56) 4-Nitrophenol	10.045	139	186435	91.132	ng	94
57) 2,4-Dinitrotoluene	10.104	165	194710	47.768	ng	98
58) Fluorene	10.457	166	650887	47.671	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	164361	52.242	ng	92
60) Diethylphthalate	10.328	149	687077	50.006	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	321780	48.022	ng	100
62) 4-Nitroaniline	10.486	138	150493	47.835	ng	92
63) Azobenzene	10.610	77	662311	50.902	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	98447	48.155	ng	98
66) n-Nitrosodiphenylamine	10.569	169	569197	48.110	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	196326	47.651	ng	98
68) Hexachlorobenzene	11.010	284	219248	45.957	ng	99
69) Atrazine	11.098	200	193200	58.047	ng	99
70) Pentachlorophenol	11.210	266	172712	82.256	ng	99
71) Phenanthrene	11.428	178	936606	48.703	ng	99
72) Anthracene	11.475	178	971403	51.638	ng	99
73) Carbazole	11.633	167	876731	48.447	ng	99
74) Di-n-butylphthalate	11.951	149	1111182	53.185	ng	100
75) Fluoranthene	12.616	202	1025108	49.095	ng	99
77) Benzidine	12.739	184	290435	41.441	ng	99
78) Pyrene	12.845	202	1054453	47.311	ng	100
80) Butylbenzylphthalate	13.457	149	444305	55.338	ng	98
81) Benzo(a)anthracene	14.045	228	810018	50.764	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	148845	31.069	ng	99
83) Chrysene	14.080	228	733200	50.252	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	602451	59.423	ng	99
85) Di-n-octyl phthalate	14.651	149	898867	64.876	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	725035	55.305	ng	97
88) Benzo(b)fluoranthene	15.121	252	636213	50.351	ng	98
89) Benzo(k)fluoranthene	15.151	252	533132	48.216	ng	99
90) Benzo(a)pyrene	15.498	252	547908	53.331	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	591095	55.055	ng	99
92) Benzo(g,h,i)perylene	17.539	276	562024	51.299	ng	97

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

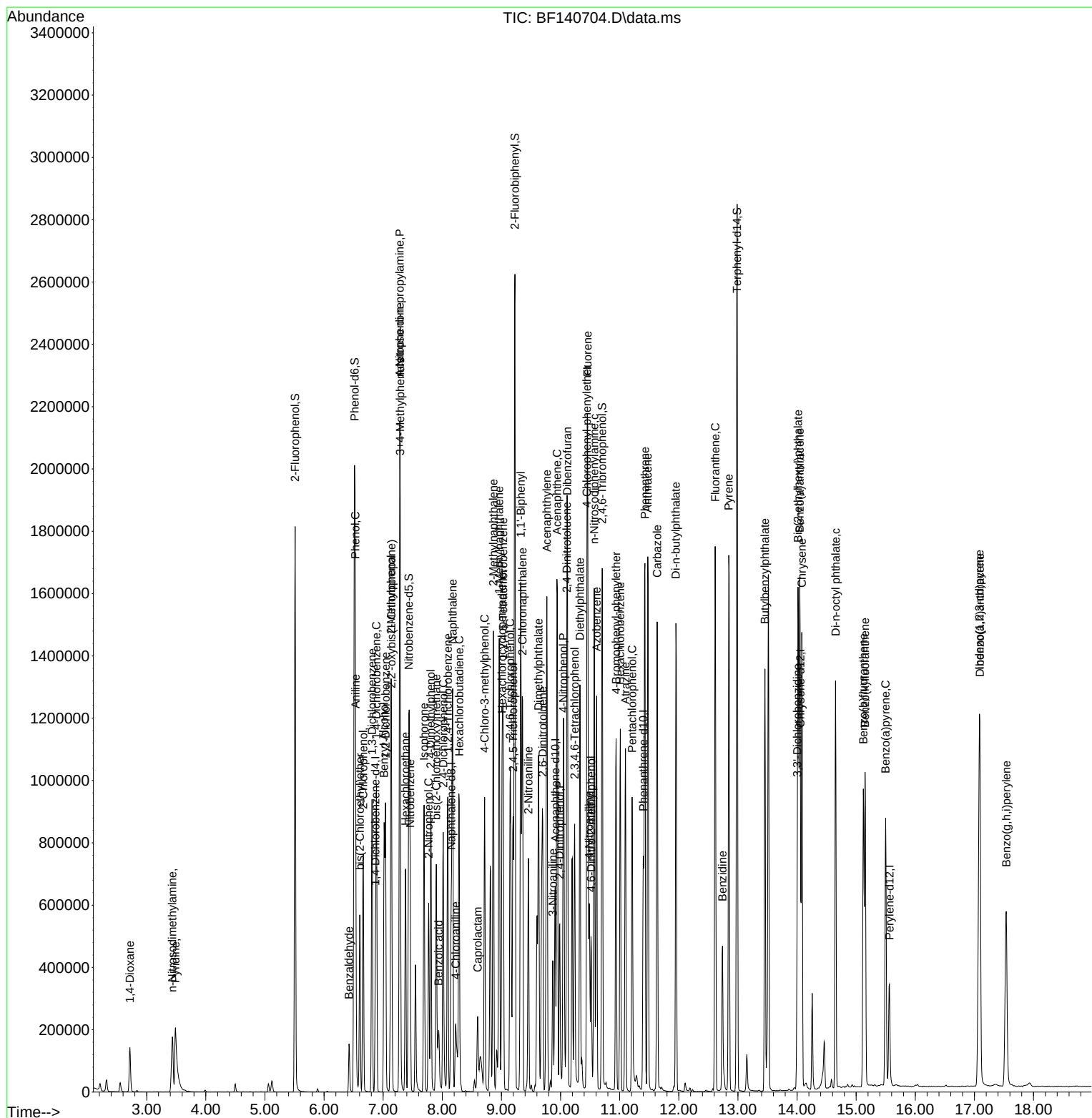
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Acq On    : 03 Dec 2024  12:22  
Operator  : RC/JU  
Sample    : PB165312BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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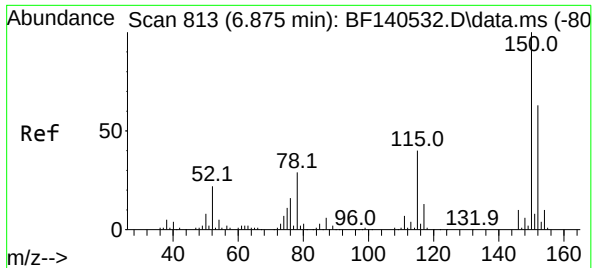
Instrument :
BNA_F
ClientSampleId :
PB165312BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 12:55:08 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





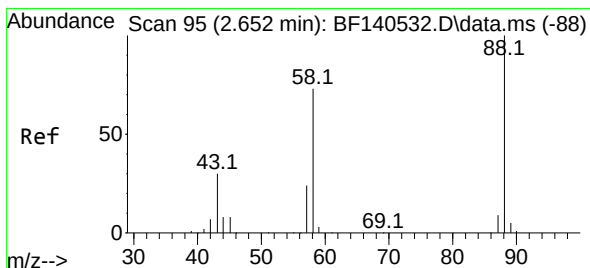
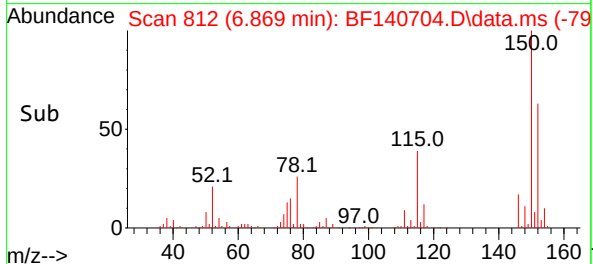
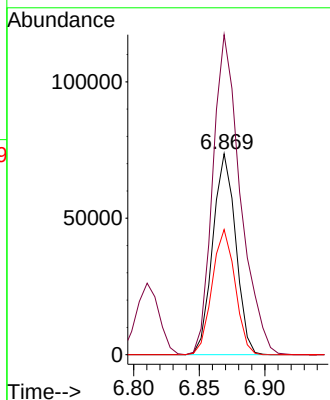
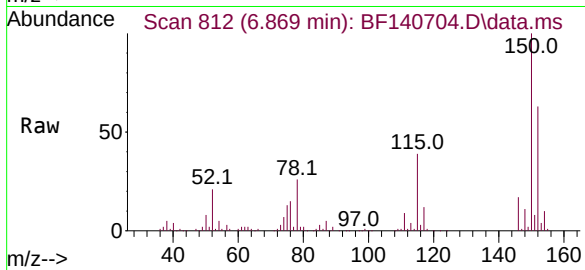
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :
BNA_F
ClientSampleId :
PB165312BS

Tgt Ion:152 Resp: 8947
Ion Ratio Lower Upper
152 100
150 159.3 128.5 192.7
115 62.3 50.2 75.4

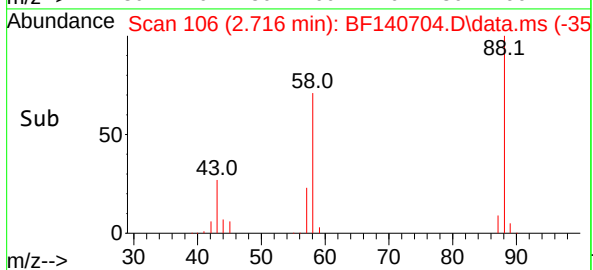
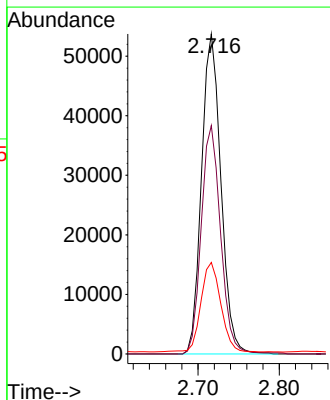
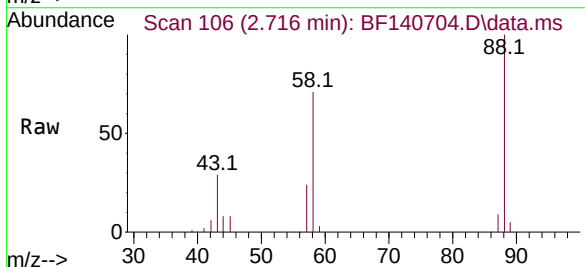
Manual Integrations
APPROVED

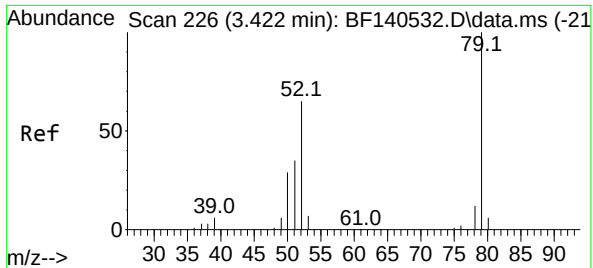
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#2
1,4-Dioxane
Concen: 40.408 ng
RT: 2.716 min Scan# 106
Delta R.T. 0.065 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion: 88 Resp: 89096
Ion Ratio Lower Upper
88 100
58 71.3 57.4 86.2
43 28.8 24.3 36.5





#3

Pyridine

Concen: 45.384 ng

RT: 3.487 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion: 79 Resp: 220170

Ion Ratio Lower Upper

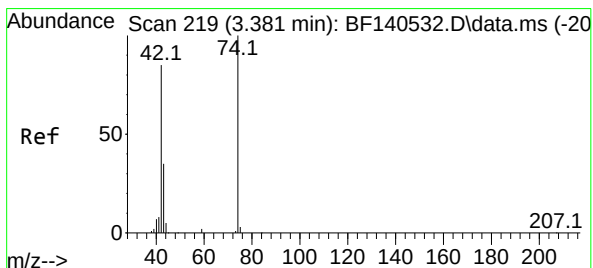
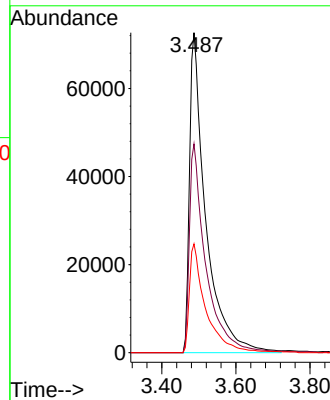
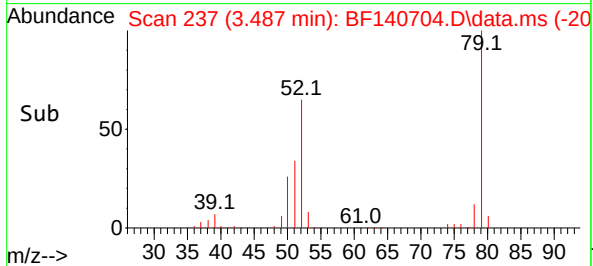
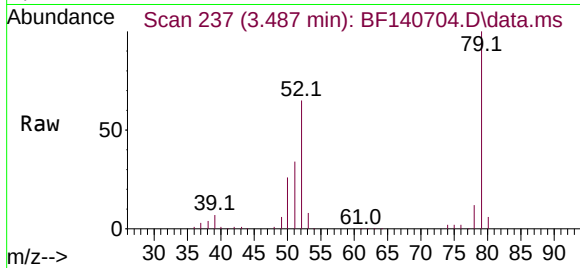
79 100

52 65.3 52.1 78.1

51 34.0 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#4

n-Nitrosodimethylamine

Concen: 42.478 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.053 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

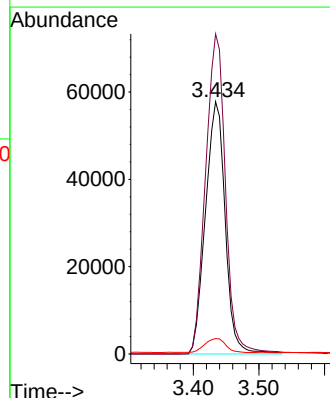
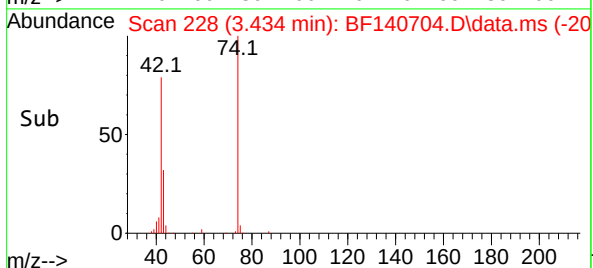
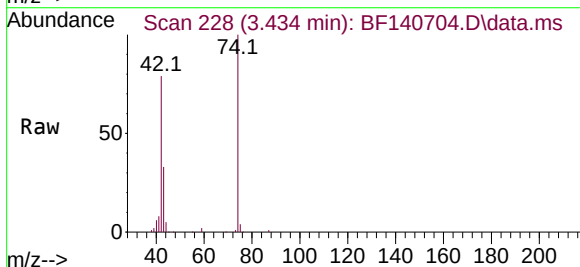
Tgt Ion: 42 Resp: 121115

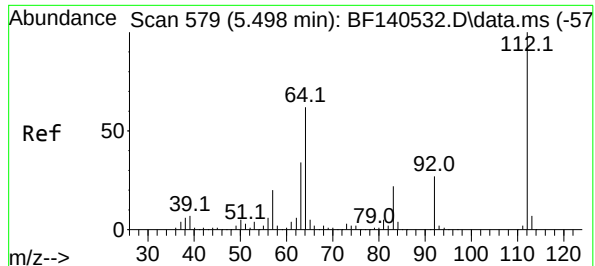
Ion Ratio Lower Upper

42 100

74 126.8 93.8 140.6

44 6.1 4.6 6.8





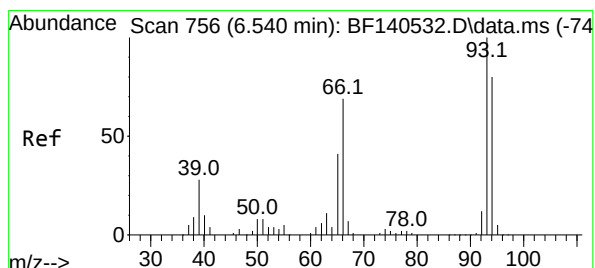
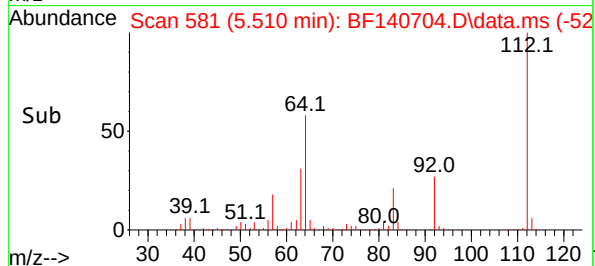
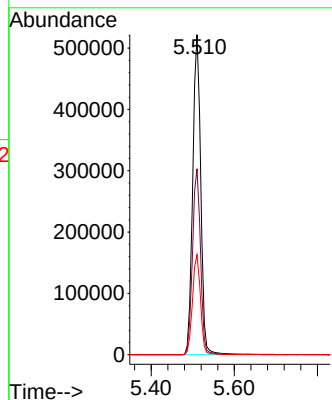
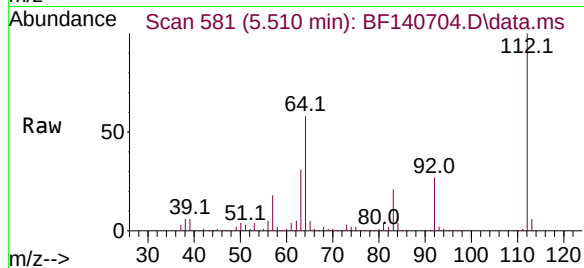
#5
2-Fluorophenol
Concen: 133.016 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :
BNA_F
ClientSampleId :
PB165312BS

Tgt Ion:112 Resp: 69756
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 31.2 27.0 40.4

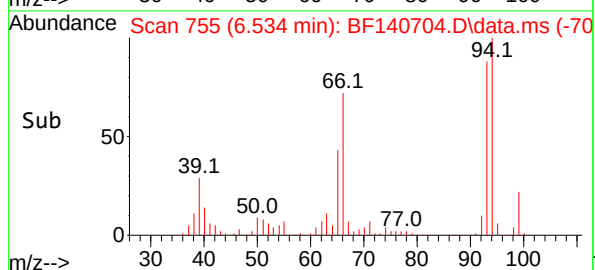
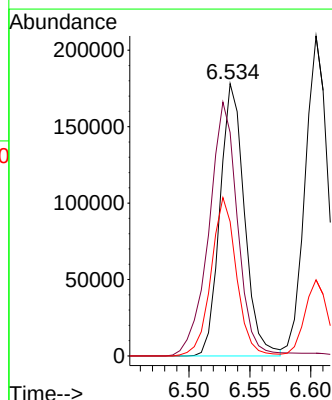
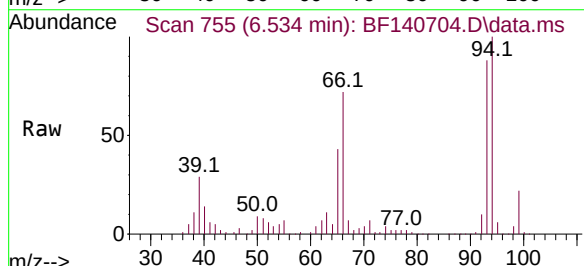
Manual Integrations
APPROVED

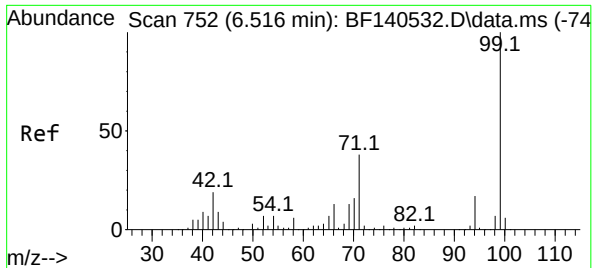
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#6
Aniline
Concen: 51.043 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion: 93 Resp: 249081
Ion Ratio Lower Upper
93 100
66 82.0 56.5 84.7
65 49.3 32.9 49.3





#7

Phenol-d6

Concen: 129.284 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion: 99 Resp: 896319

Ion Ratio Lower Upper

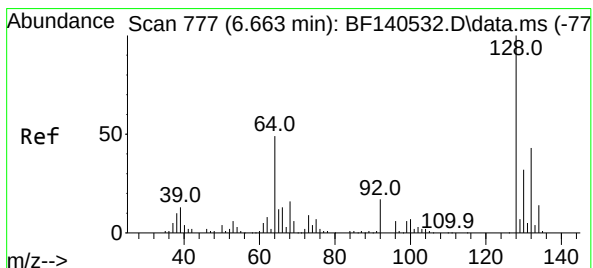
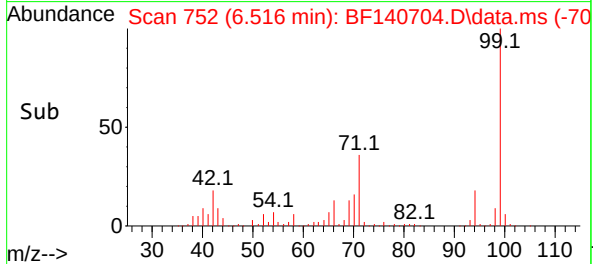
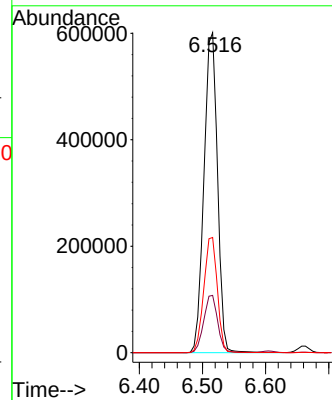
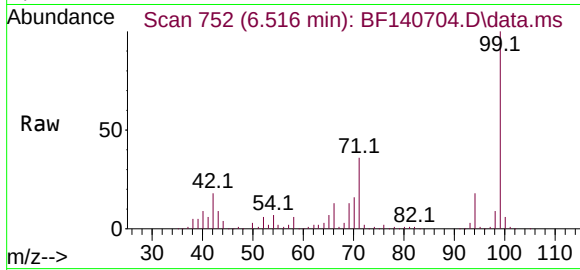
99 100

42 17.9 15.4 23.0

71 36.0 30.6 46.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#8

2-Chlorophenol

Concen: 50.176 ng

RT: 6.663 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

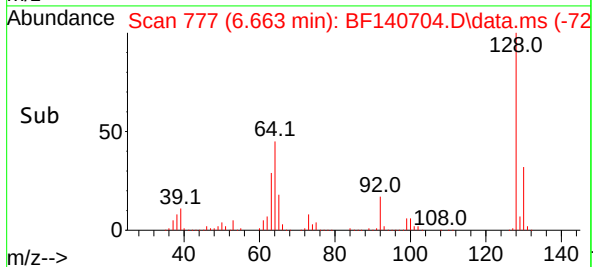
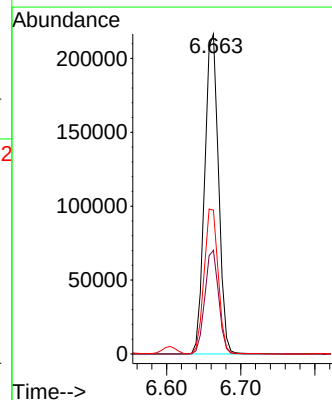
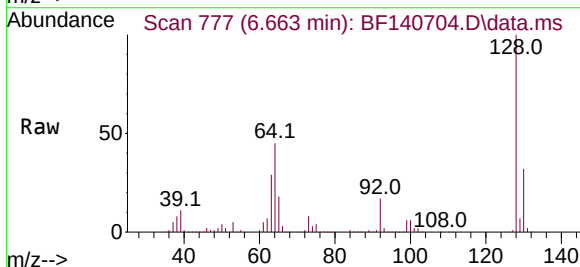
Tgt Ion:128 Resp: 283092

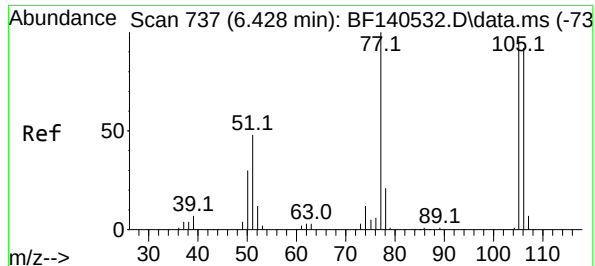
Ion Ratio Lower Upper

128 100

130 32.4 12.3 52.3

64 44.9 30.2 70.2





#9

Benzaldehyde

Concen: 12.419 ng

RT: 6.422 min Scan# 736

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion: 77 Resp: 45580

Ion Ratio Lower Upper

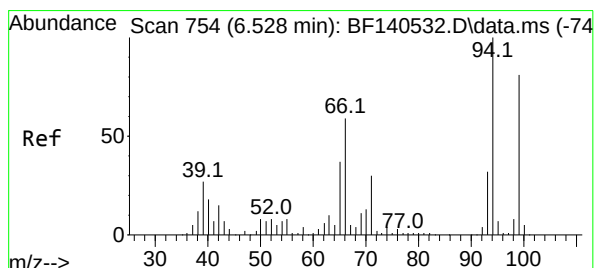
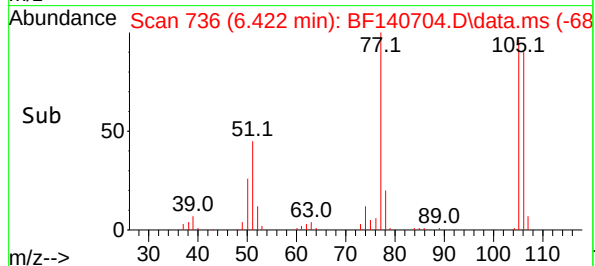
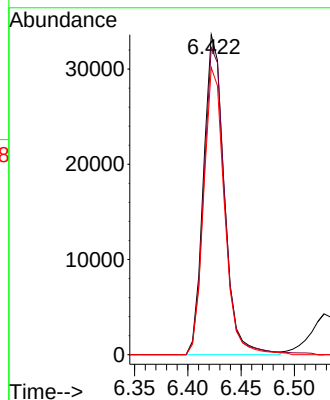
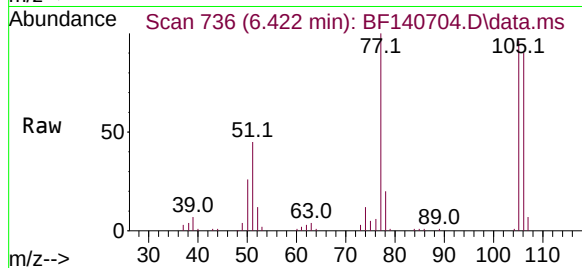
77 100

105 95.9 75.6 115.6

106 89.7 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#10

Phenol

Concen: 48.643 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

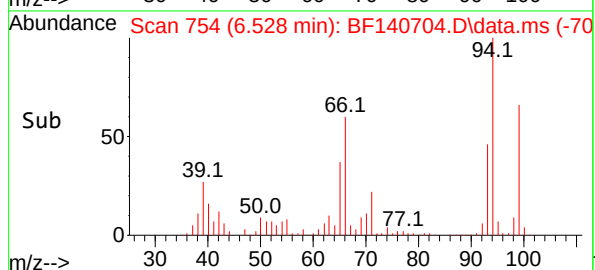
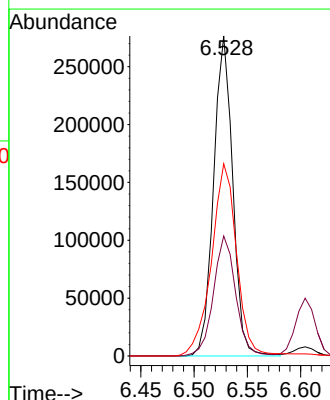
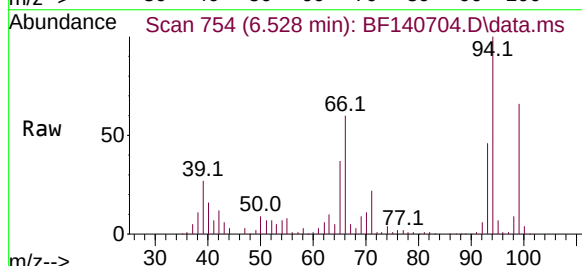
Tgt Ion: 94 Resp: 344405

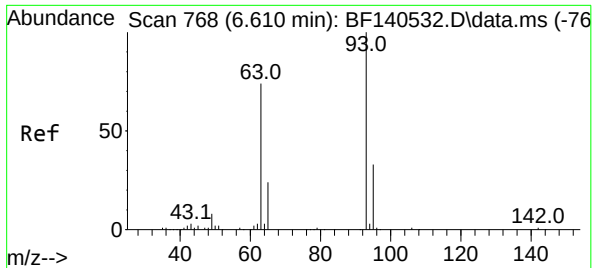
Ion Ratio Lower Upper

94 100

65 37.5 17.2 57.2

66 60.1 39.2 79.2





#11

bis(2-Chloroethyl)ether

Concen: 49.886 ng

RT: 6.604 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion: 93 Resp: 270284

Ion Ratio Lower Upper

93 100

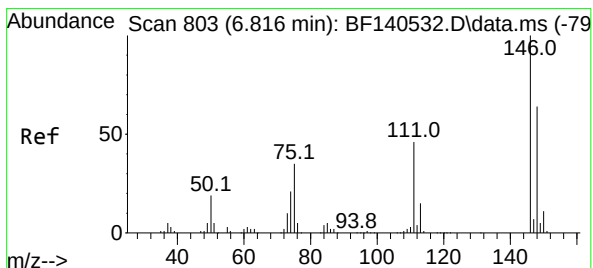
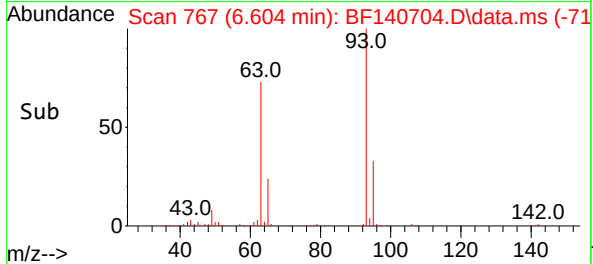
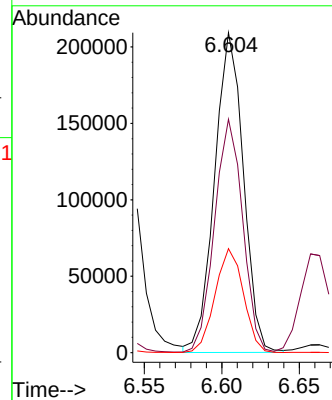
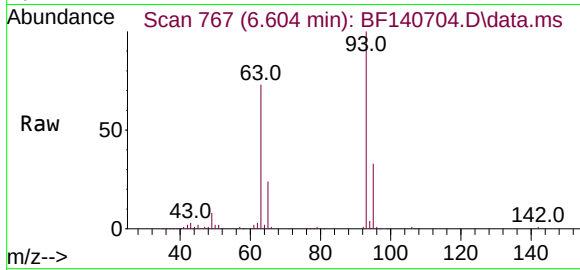
63 73.0 52.8 92.8

95 32.5 12.3 52.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#12

1,3-Dichlorobenzene

Concen: 46.073 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

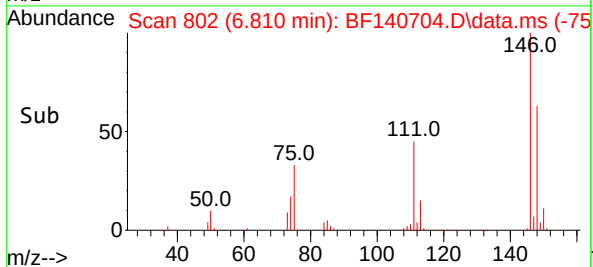
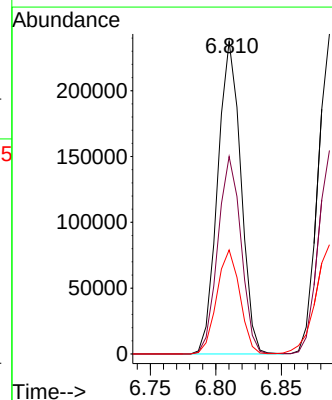
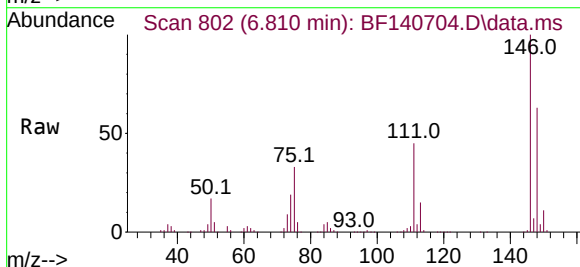
Tgt Ion:146 Resp: 292082

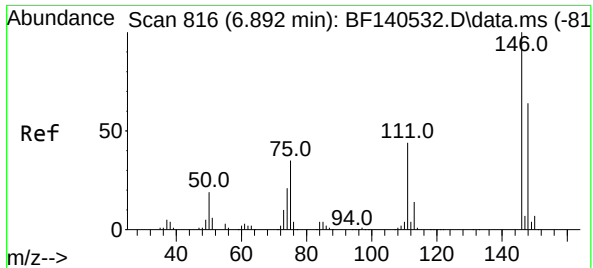
Ion Ratio Lower Upper

146 100

148 63.2 51.3 76.9

75 33.3 28.2 42.2





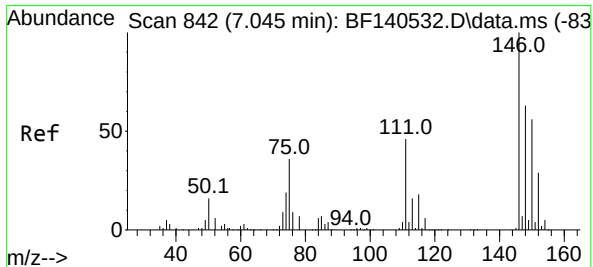
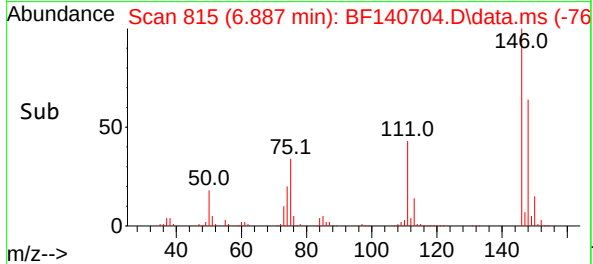
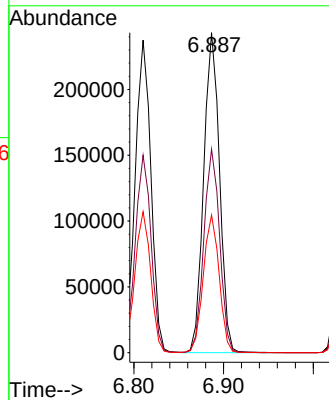
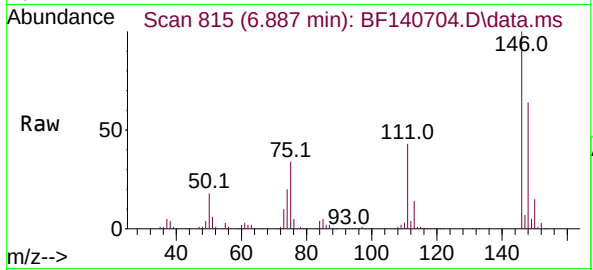
#13
1,4-Dichlorobenzene
Concen: 46.454 ng
RT: 6.887 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :
BNA_F
ClientSampleId :
PB165312BS

Tgt Ion:146 Resp: 29819
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.6
111 43.0 35.3 52.9

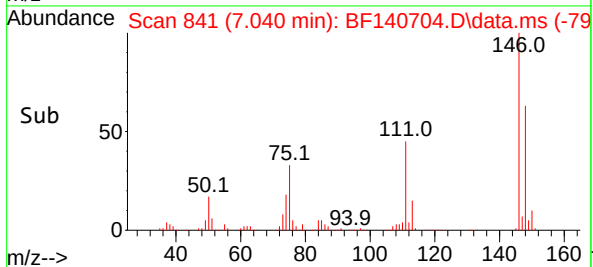
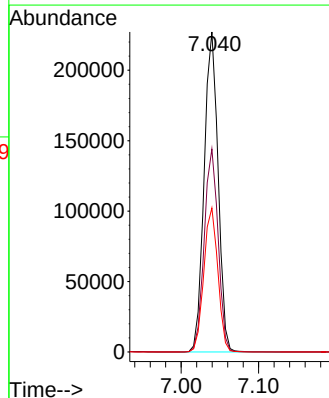
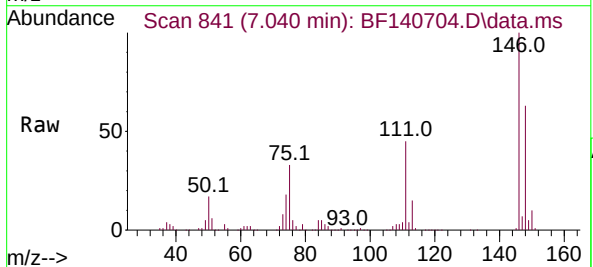
Manual Integrations
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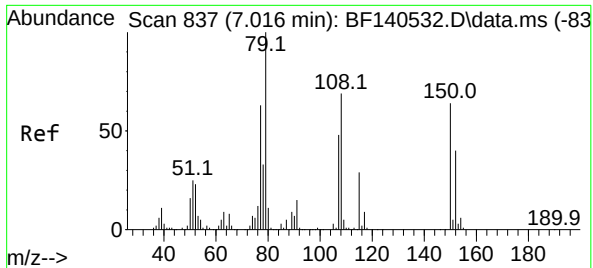
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#14
1,2-Dichlorobenzene
Concen: 47.258 ng
RT: 7.040 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:146 Resp: 284253
Ion Ratio Lower Upper
146 100
148 63.5 50.5 75.7
111 45.0 36.7 55.1





#15

Benzyl Alcohol

Concen: 48.978 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion: 79 Resp: 251818

Ion Ratio Lower Upper

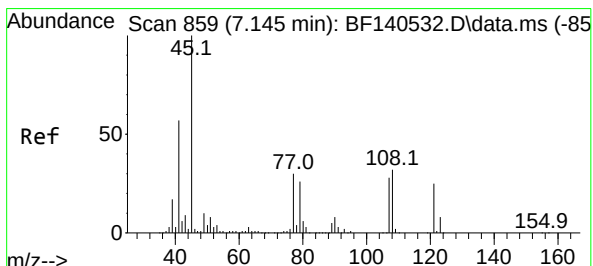
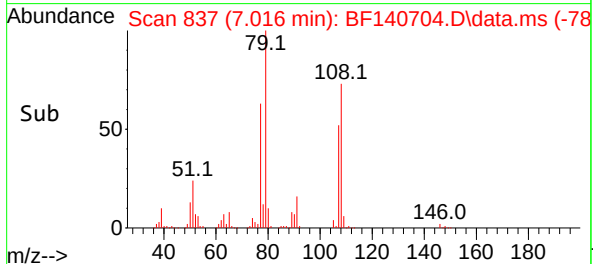
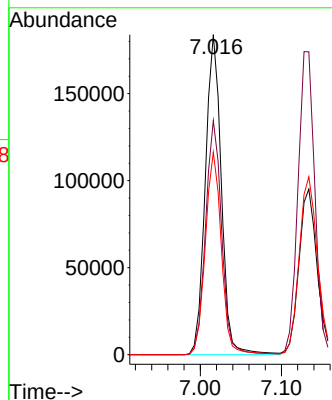
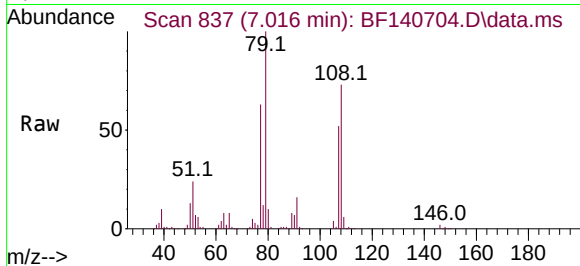
79 100

108 73.2 55.0 82.6

77 63.3 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.647 ng

RT: 7.140 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

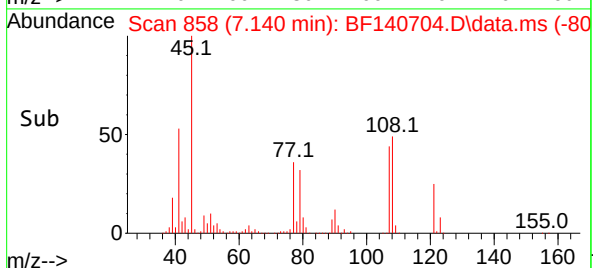
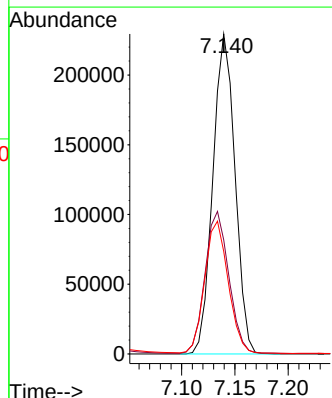
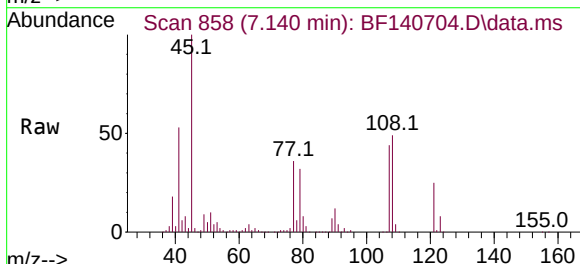
Tgt Ion: 45 Resp: 330582

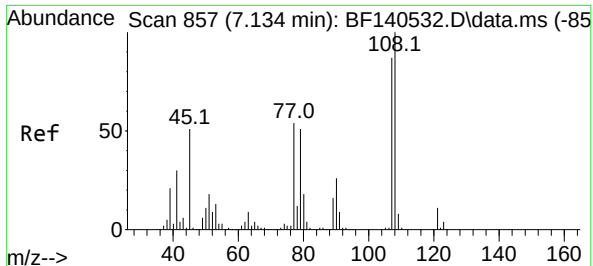
Ion Ratio Lower Upper

45 100

77 35.7 10.7 50.7

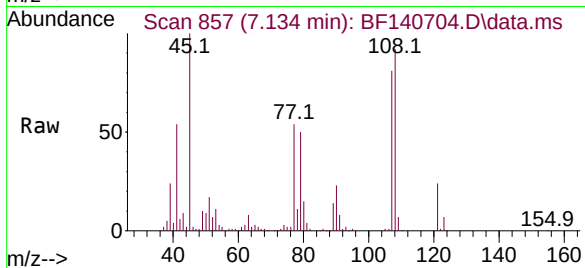
79 32.1 7.0 47.0





#17
2-Methylphenol
Concen: 48.514 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

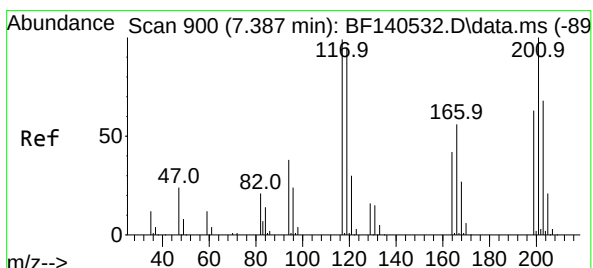
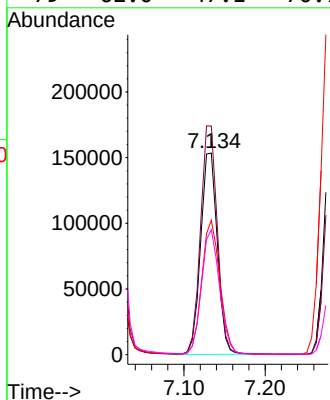
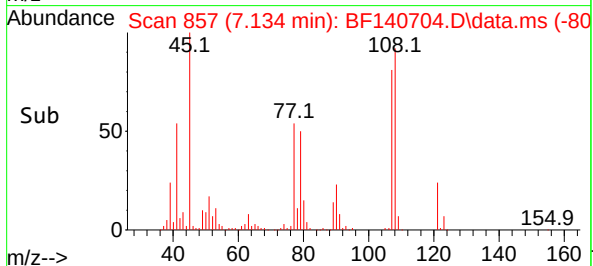
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:107 Resp: 219100
Ion Ratio Lower Upper
107 100
108 113.4 91.7 137.5
77 66.6 49.3 73.9
79 62.0 47.1 70.7

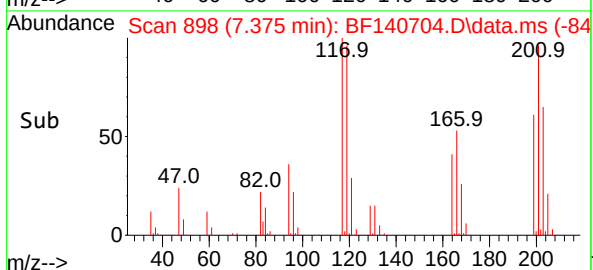
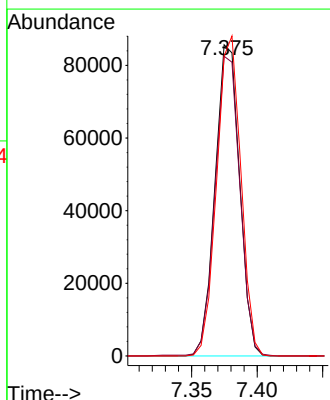
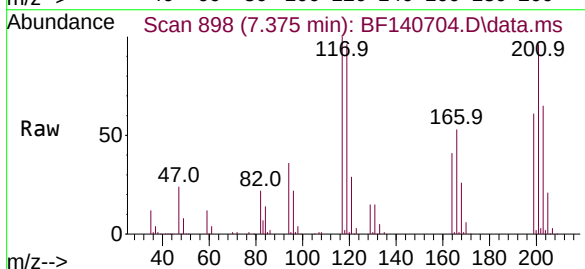
Manual Integrations
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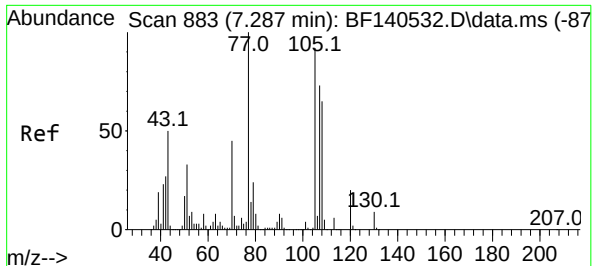
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#18
Hexachloroethane
Concen: 46.420 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:117 Resp: 111288
Ion Ratio Lower Upper
117 100
119 96.3 77.1 115.7
201 96.4 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 48.545 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140704.D

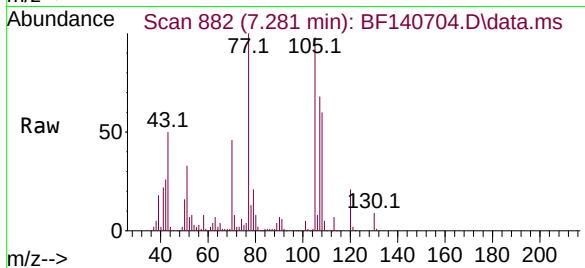
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS



Tgt Ion: 70 Resp: 198900

Ion Ratio Lower Upper

70 100

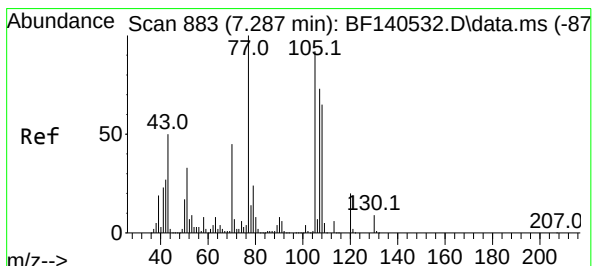
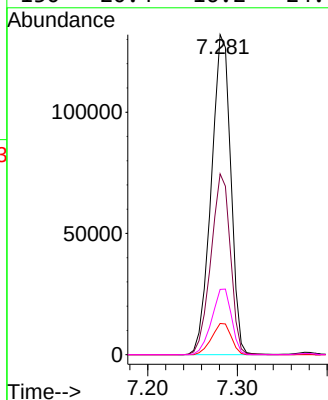
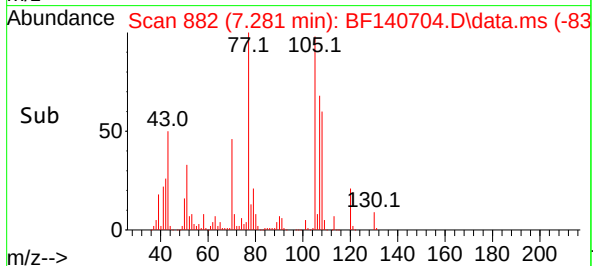
42 56.5 47.6 71.4

101 9.8 7.6 11.4

130 20.4 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#20

3+4-Methylphenols

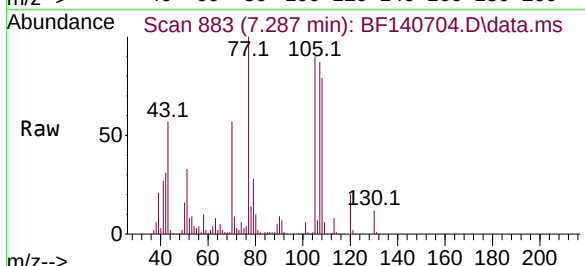
Concen: 48.903 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22



Tgt Ion:107 Resp: 283882

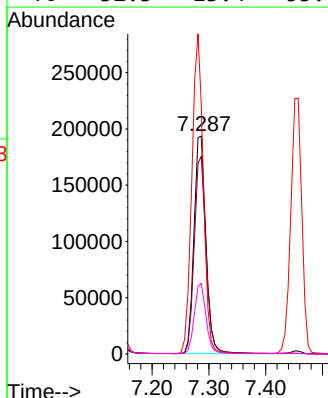
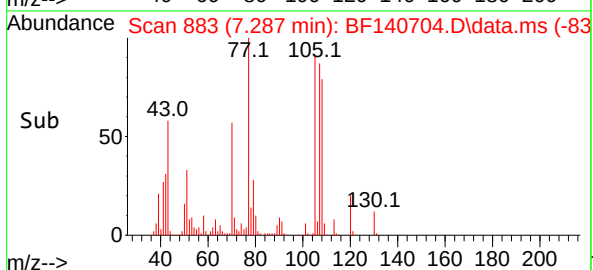
Ion Ratio Lower Upper

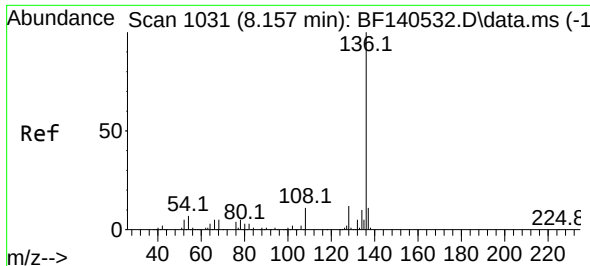
107 100

108 90.7 69.9 109.9

77 114.7 117.7 157.7#

79 32.3 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: BF140704.D

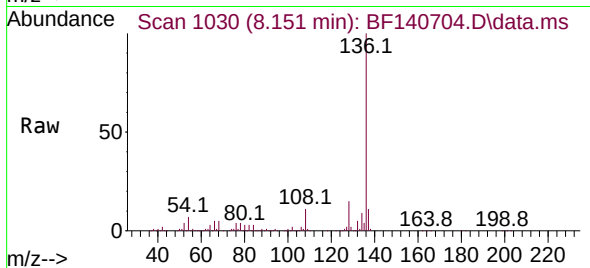
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS



Tgt Ion:136 Resp: 35592

Ion Ratio Lower Upper

136 100

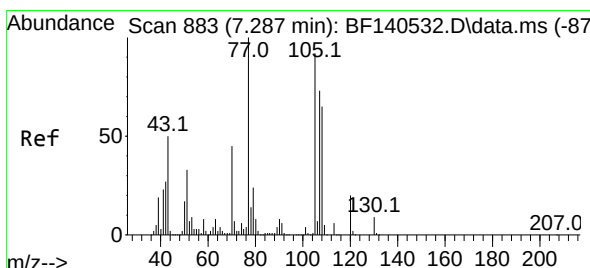
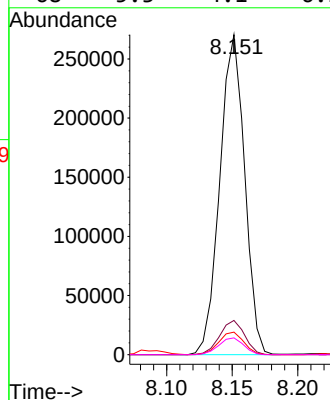
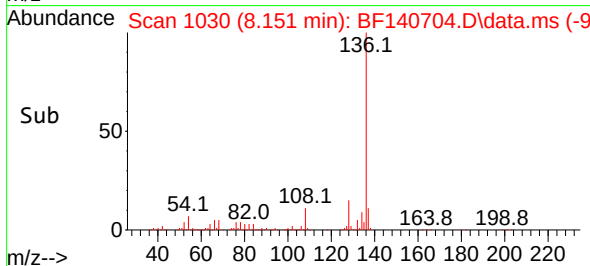
137 10.7 8.6 13.0

54 7.1 5.8 8.8

68 5.3 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#22

Acetophenone

Concen: 44.196 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Tgt Ion:105 Resp: 383497

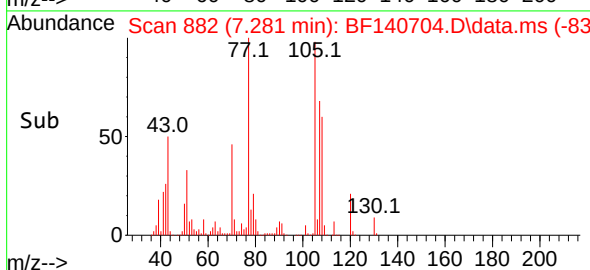
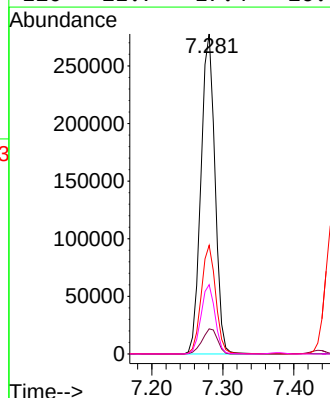
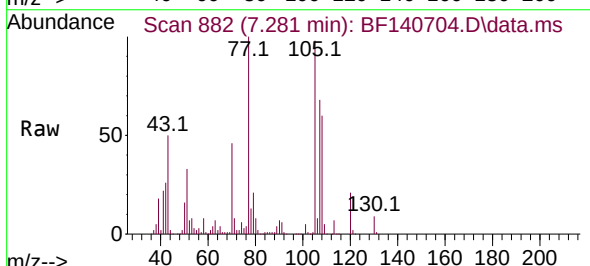
Ion Ratio Lower Upper

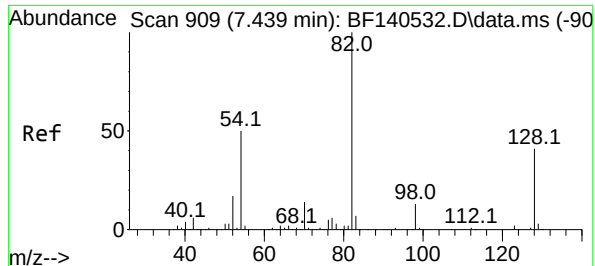
105 100

71 7.9 6.2 9.2

51 33.9 29.0 43.6

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 84.657 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion: 82 Resp: 58907

Ion Ratio Lower Upper

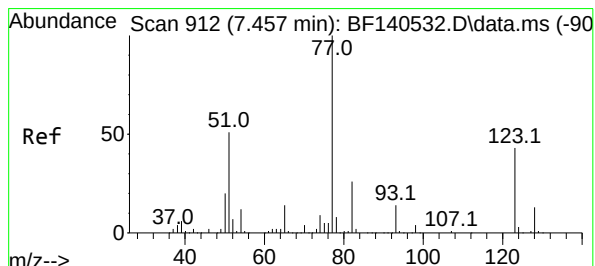
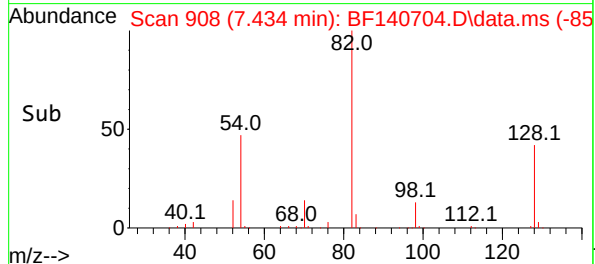
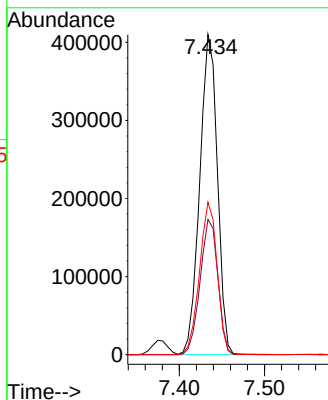
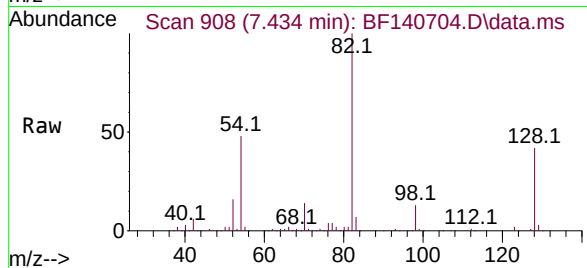
82 100

128 42.3 33.0 49.4

54 47.6 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#24

Nitrobenzene

Concen: 42.627 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

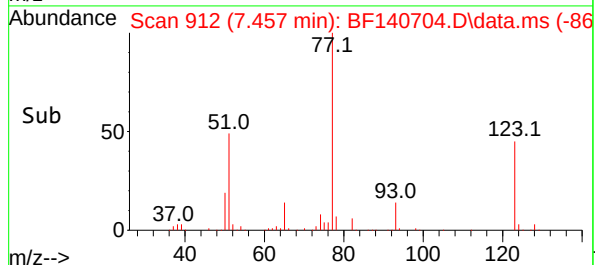
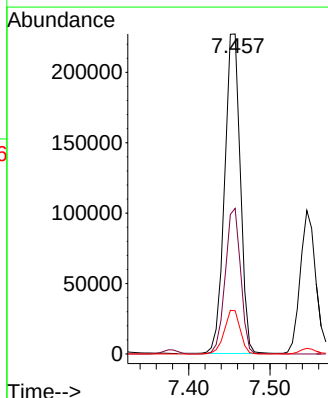
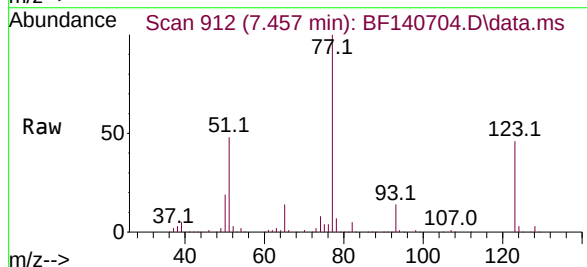
Tgt Ion: 77 Resp: 306556

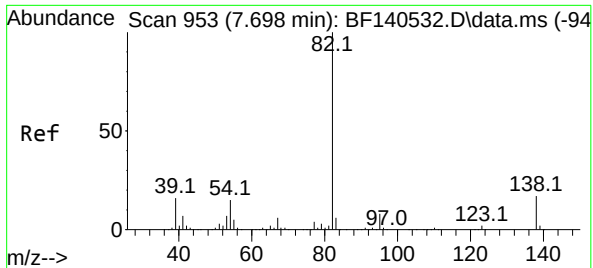
Ion Ratio Lower Upper

77 100

123 45.5 34.3 51.5

65 13.5 11.2 16.8





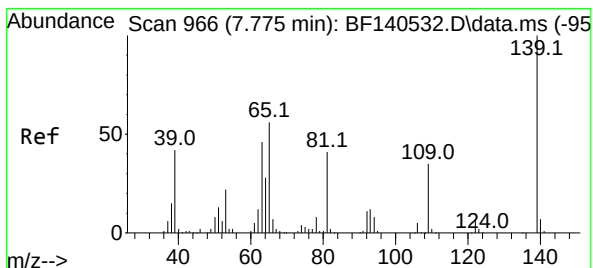
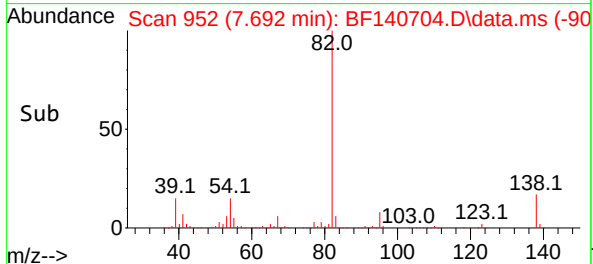
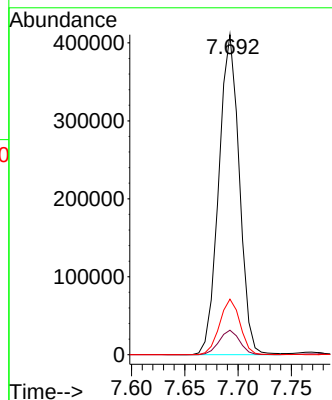
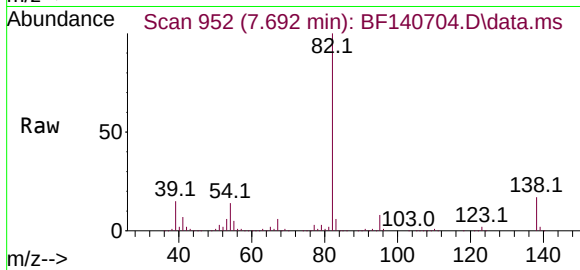
#25
Isophorone
Concen: 47.352 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :
BNA_F
ClientSampleId :
PB165312BS

Tgt Ion: 82 Resp: 54956
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 17.4 13.8 20.6

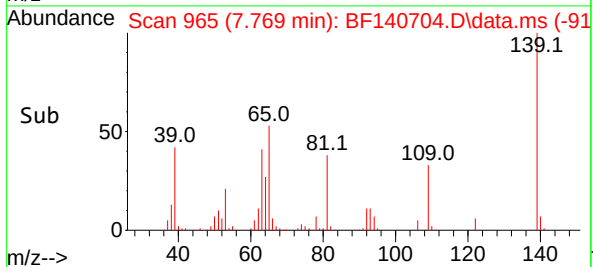
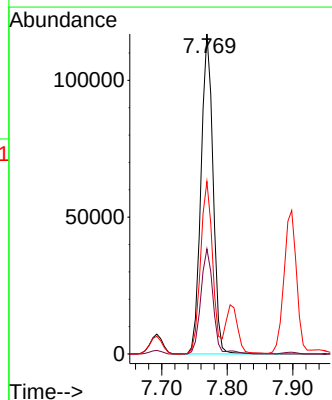
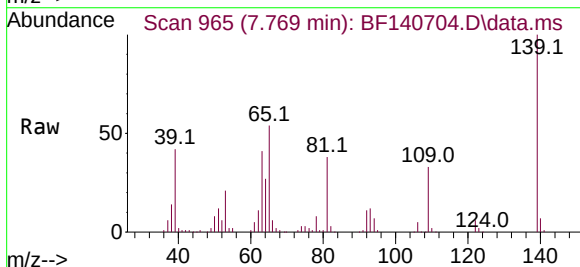
Manual Integrations
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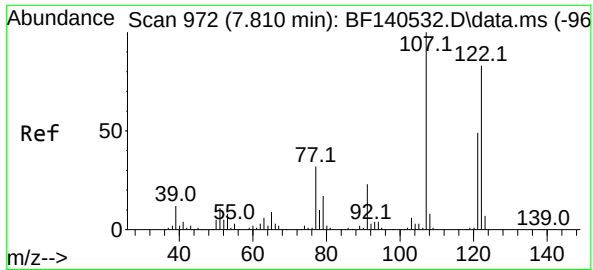
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#26
2-Nitrophenol
Concen: 47.087 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:139 Resp: 150068
Ion Ratio Lower Upper
139 100
109 32.9 28.0 42.0
65 53.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 60.345 ng m

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:122 Resp: 230108

Ion Ratio Lower Upper

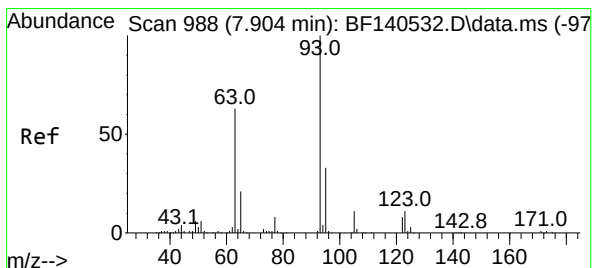
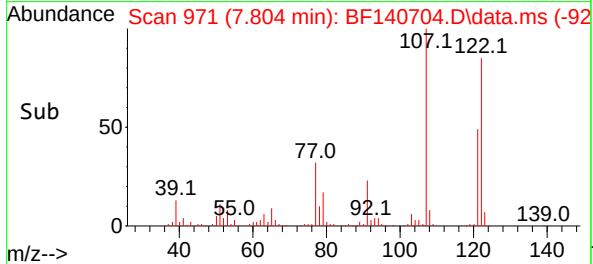
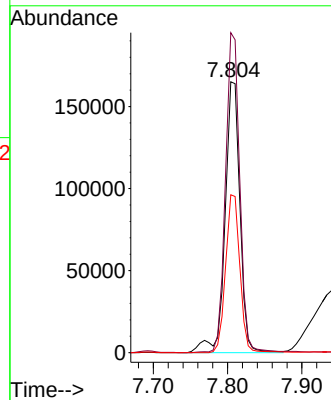
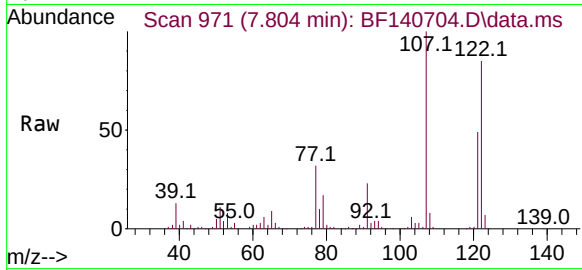
122 100

107 118.1 96.8 145.2

121 58.3 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#28

bis(2-Chloroethoxy)methane

Concen: 48.093 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

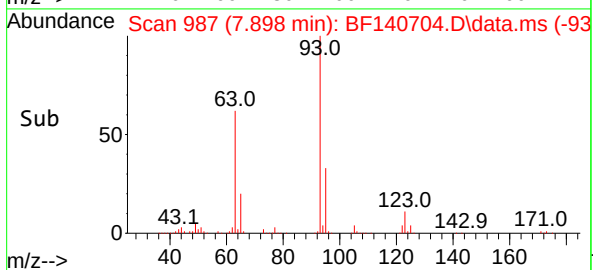
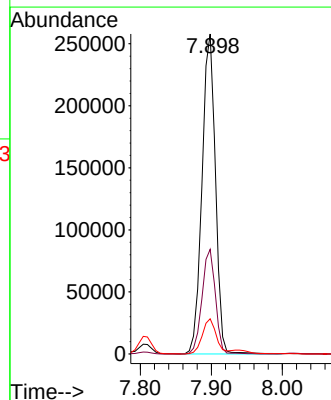
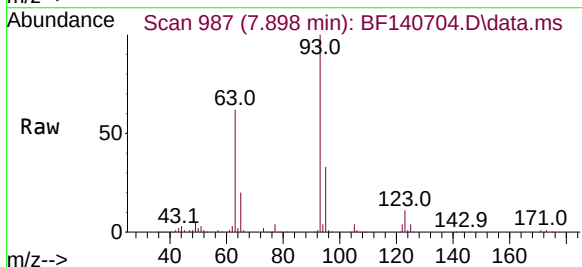
Tgt Ion: 93 Resp: 340037

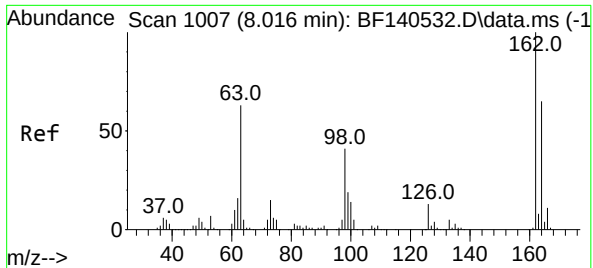
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 11.0 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 47.808 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

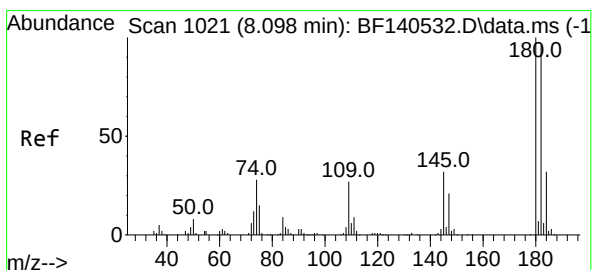
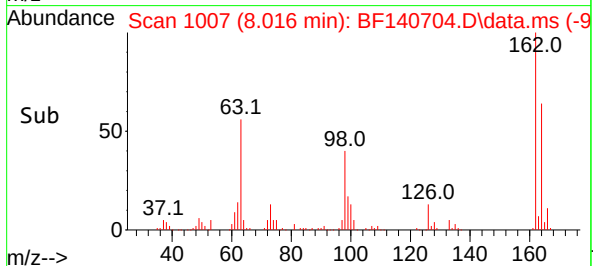
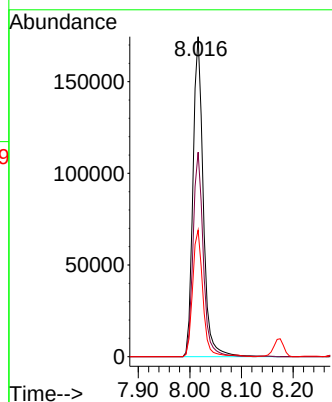
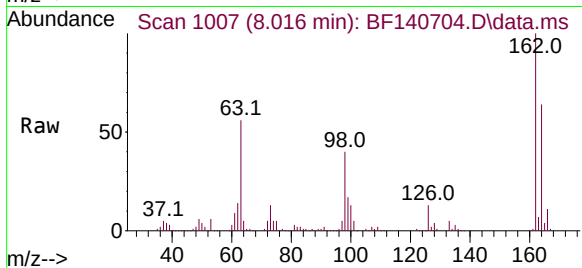
PB165312BS

Tgt Ion:162 Resp: 241562
Ion Ratio Lower Upper
162 100
164 63.9 44.8 84.8
98 39.6 21.2 61.2

Manual Integrations

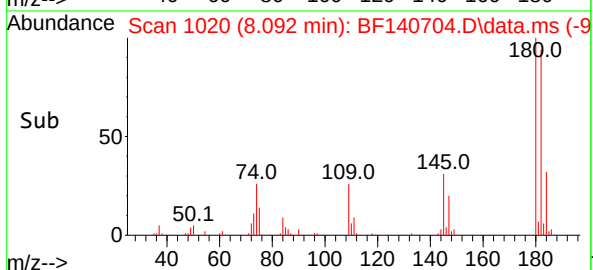
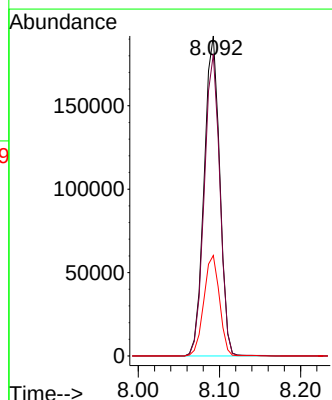
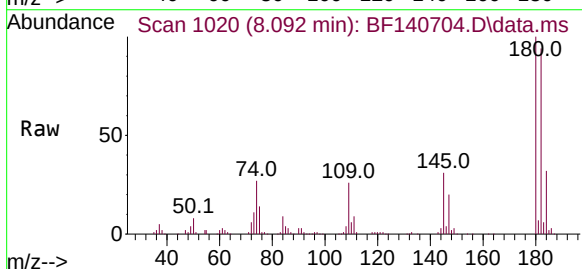
APPROVED

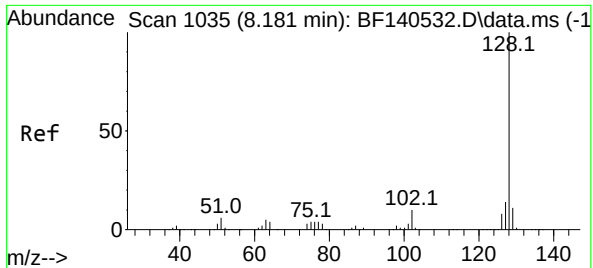
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#30
1,2,4-Trichlorobenzene
Concen: 44.338 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

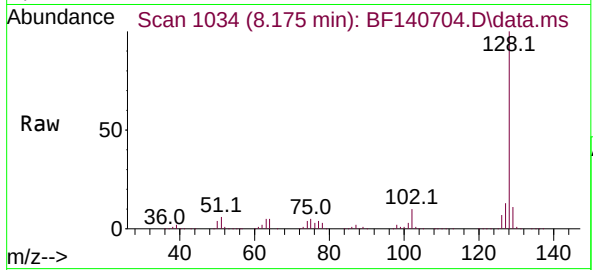
Tgt Ion:180 Resp: 255790
Ion Ratio Lower Upper
180 100
182 94.2 76.4 114.6
145 31.4 25.9 38.9





#31
Naphthalene
Concen: 46.371 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

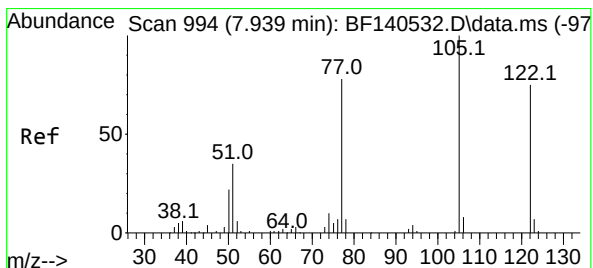
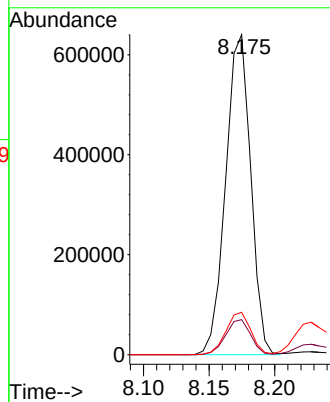
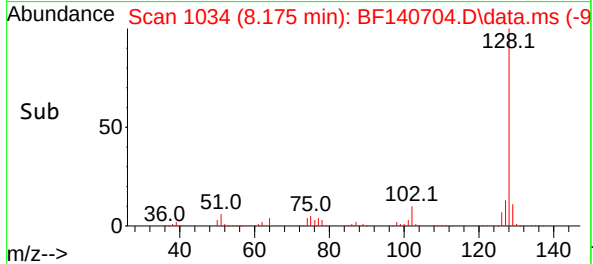
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:128 Resp: 850128
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.2 10.8 16.2

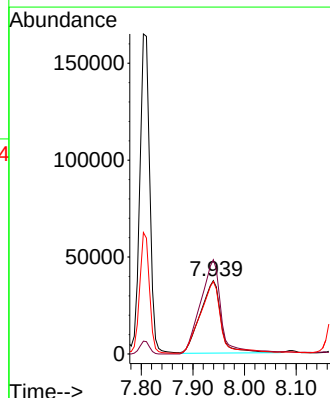
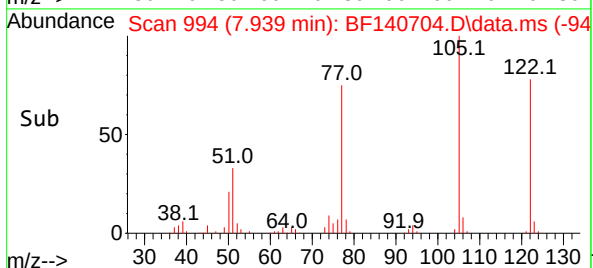
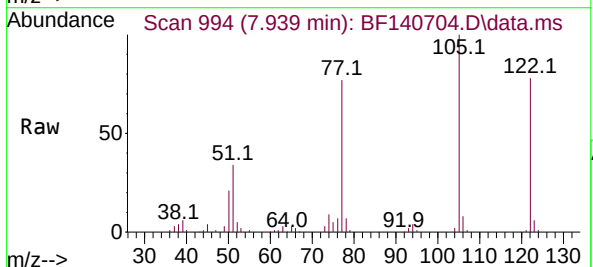
Manual Integrations
APPROVED

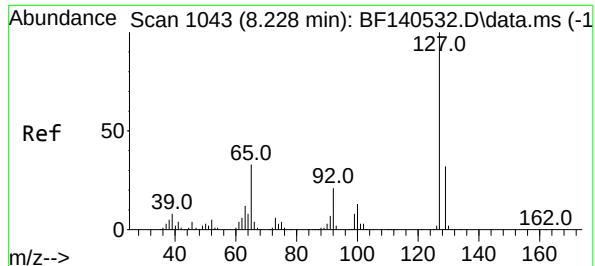
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#32
Benzoic acid
Concen: 33.677 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:122 Resp: 103375
Ion Ratio Lower Upper
122 100
105 128.6 109.3 149.3
77 99.0 82.3 122.3





#33

4-Chloroaniline

Concen: 29.259 ng

RT: 8.228 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:127 Resp: 160604

Ion Ratio Lower Upper

127 100

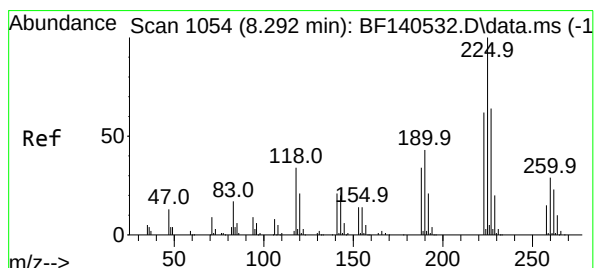
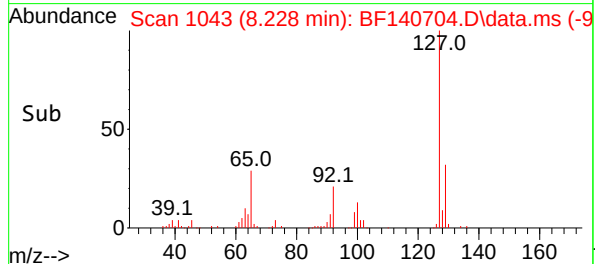
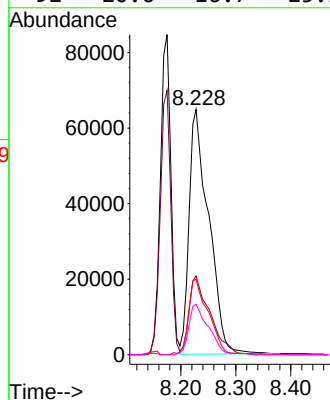
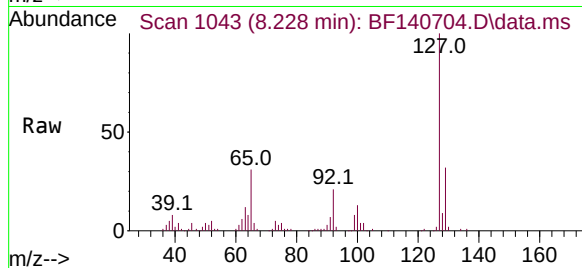
129 32.1 26.0 39.0

65 30.8 26.0 39.0

92 20.6 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#34

Hexachlorobutadiene

Concen: 45.376 ng

RT: 8.287 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

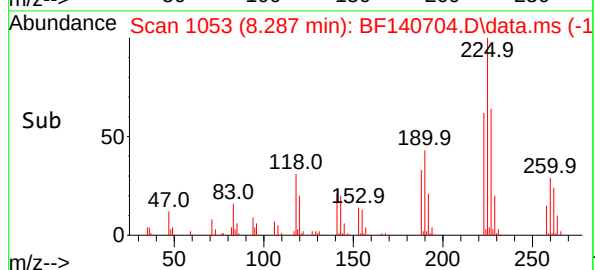
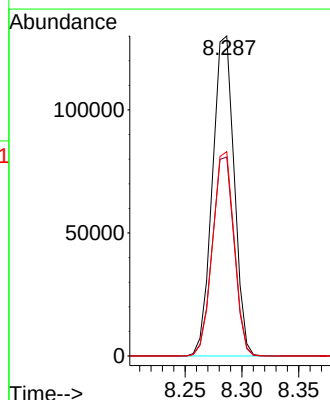
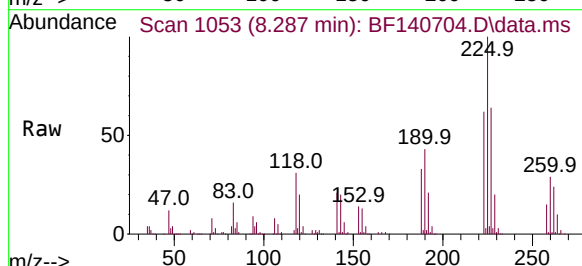
Tgt Ion:225 Resp: 173390

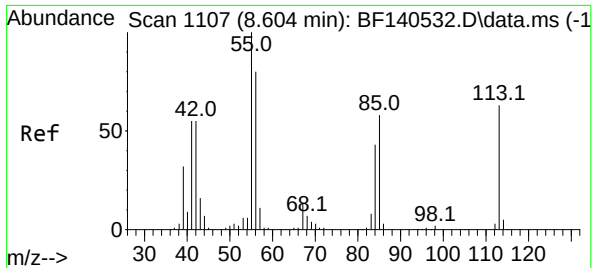
Ion Ratio Lower Upper

225 100

223 62.1 49.8 74.8

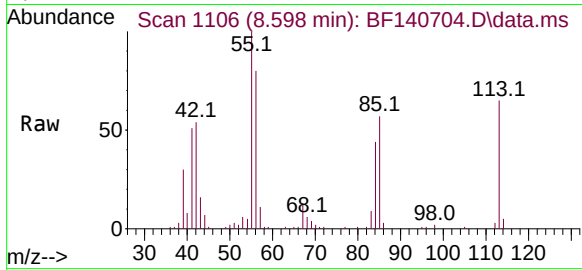
227 63.8 51.3 76.9





#35
Caprolactam
Concen: 50.838 ng m
RT: 8.598 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

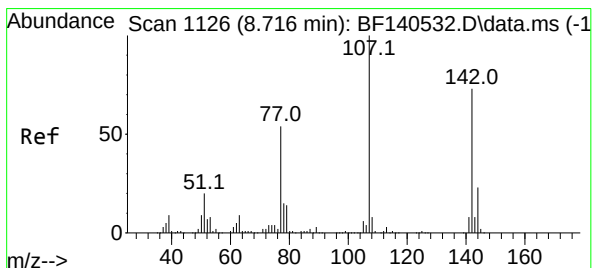
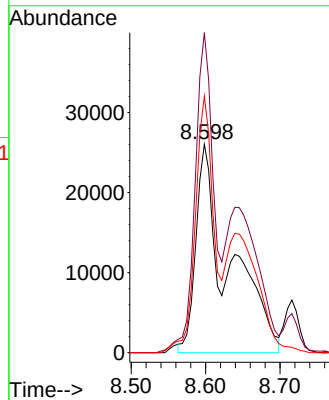
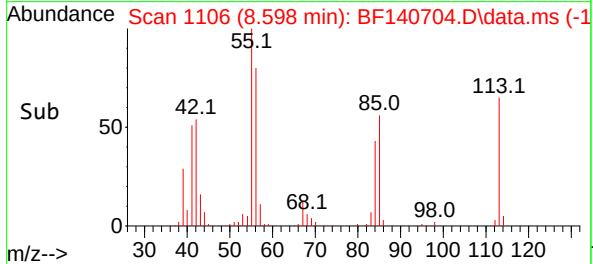
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:113 Resp: 7949
Ion Ratio Lower Upper
113 100
55 153.5 137.7 177.7
56 123.1 106.4 146.4

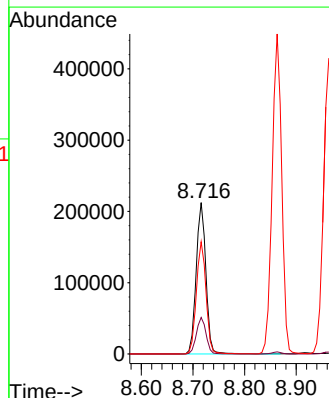
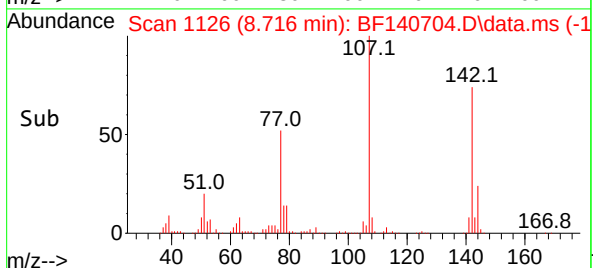
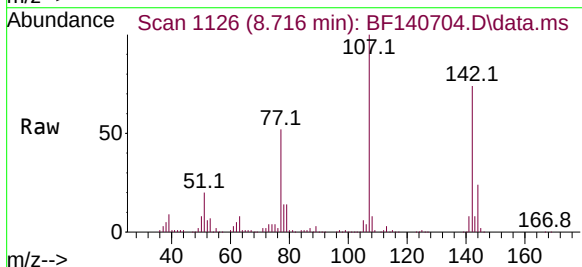
Manual Integrations
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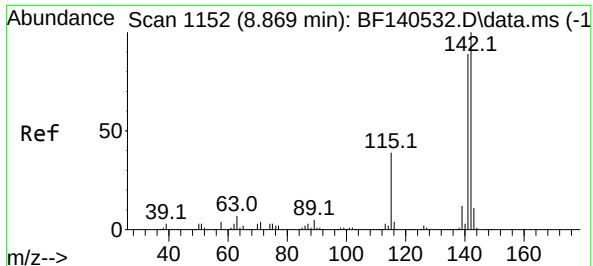
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#36
4-Chloro-3-methylphenol
Concen: 48.980 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:107 Resp: 277090
Ion Ratio Lower Upper
107 100
144 24.1 18.7 28.1
142 74.1 58.3 87.5





#37

2-Methylnaphthalene

Concen: 49.550 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:142 Resp: 57698

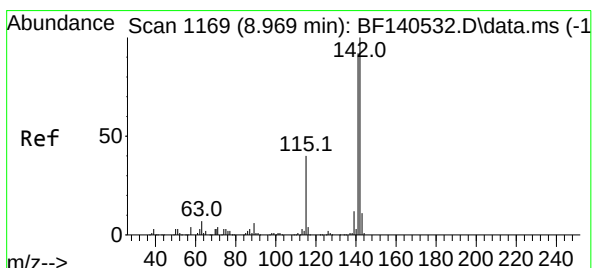
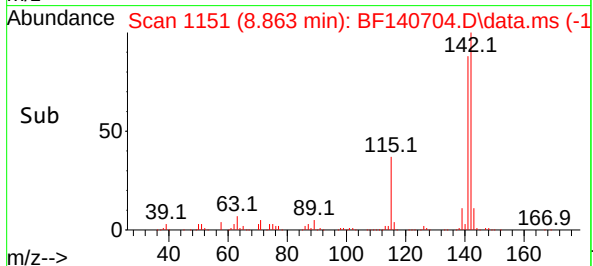
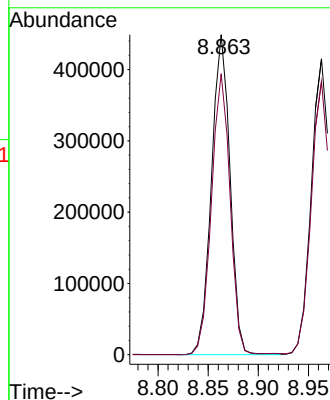
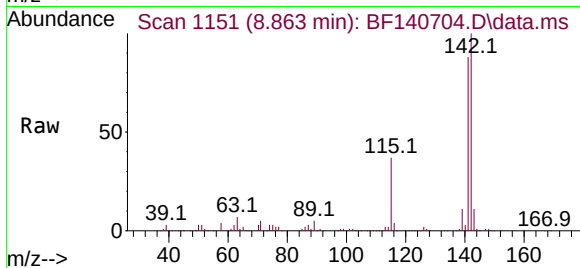
Ion Ratio Lower Upper

142 100

141 87.8 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#38

1-Methylnaphthalene

Concen: 46.641 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140704.D

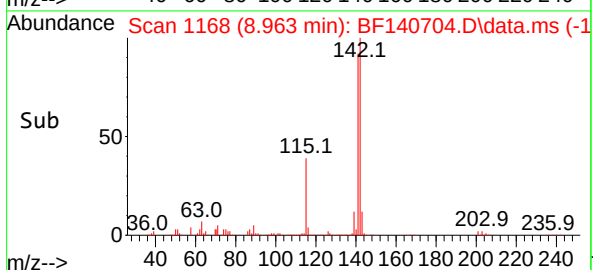
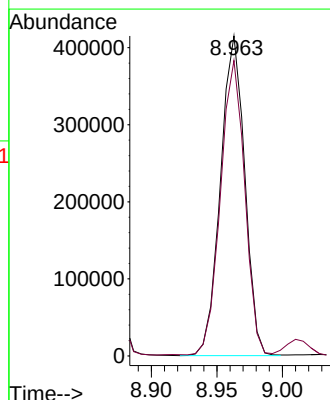
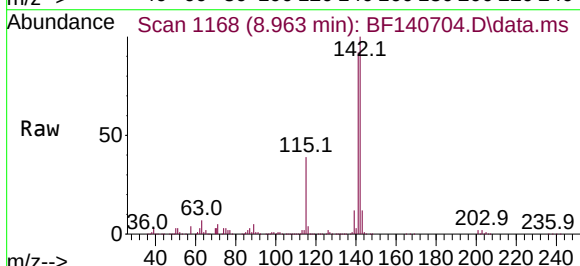
Acq: 03 Dec 2024 12:22

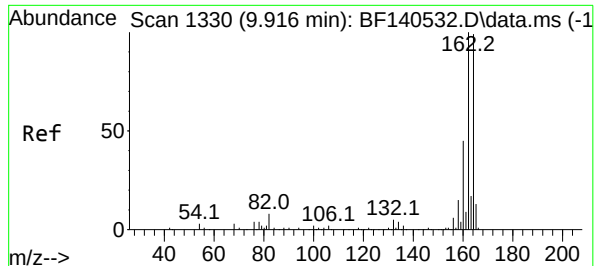
Tgt Ion:142 Resp: 532357

Ion Ratio Lower Upper

142 100

141 92.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140704.D

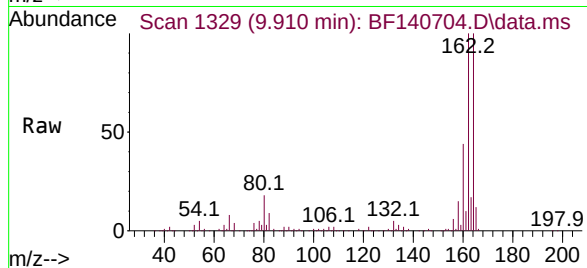
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS



Tgt Ion:164 Resp: 205335

Ion Ratio Lower Upper

164 100

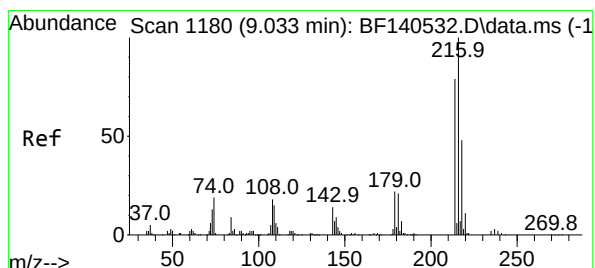
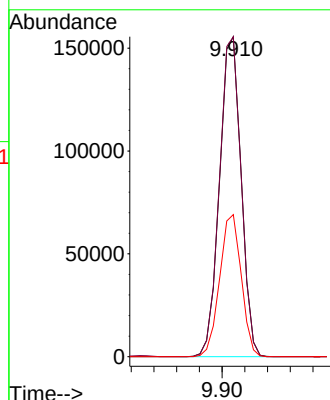
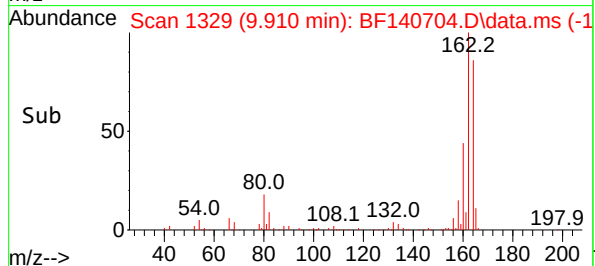
162 100.0 80.6 120.8

160 44.4 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

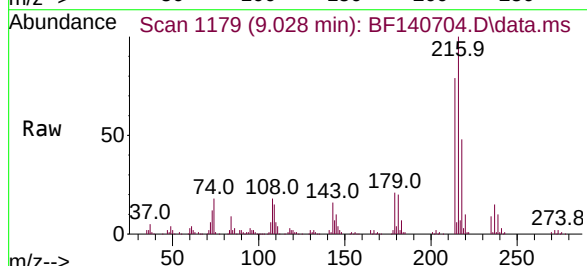
Concen: 46.802 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22



Tgt Ion:216 Resp: 281335

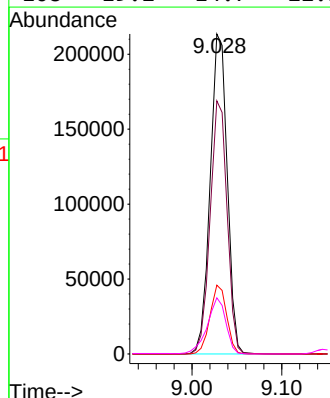
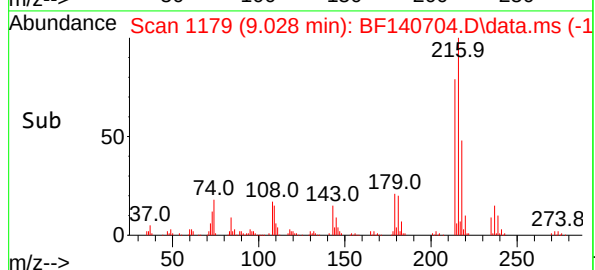
Ion Ratio Lower Upper

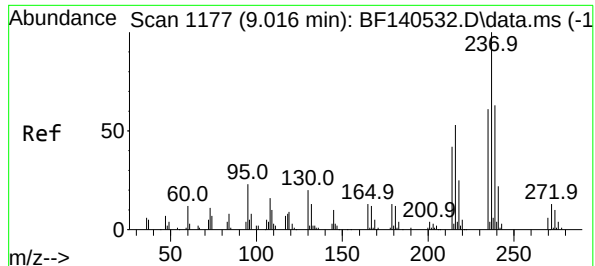
216 100

214 78.6 63.0 94.4

179 21.1 17.5 26.3

108 19.2 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 160.458 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:237 Resp: 22771

Ion Ratio Lower Upper

237 100

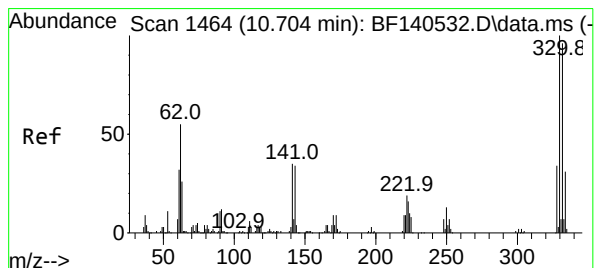
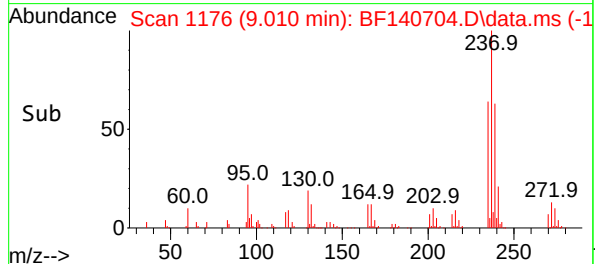
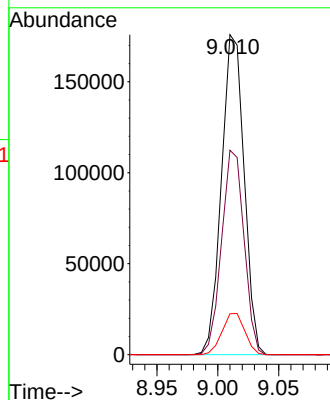
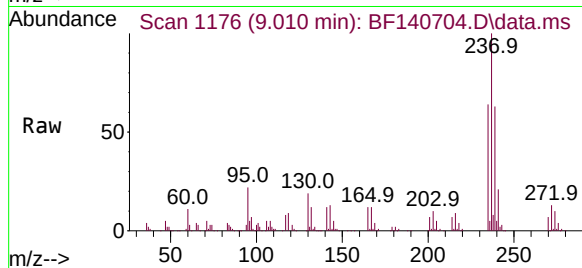
235 63.9 41.1 81.1

272 12.8 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#42

2,4,6-Tribromophenol

Concen: 137.411 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

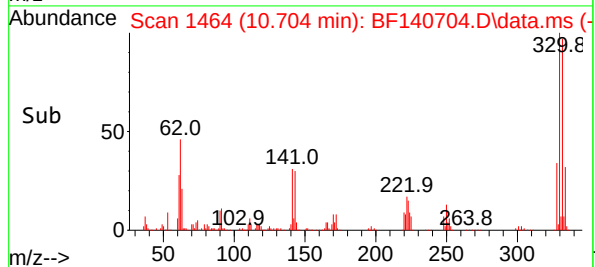
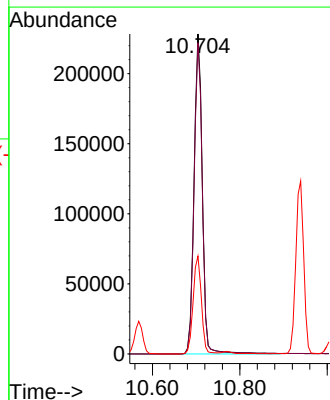
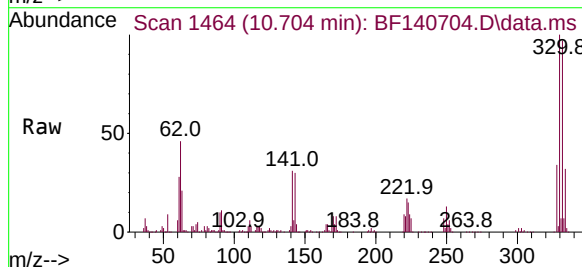
Tgt Ion:330 Resp: 301764

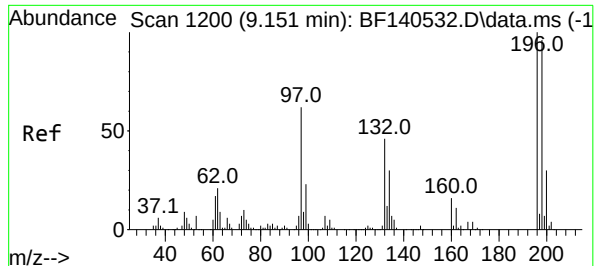
Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 30.5 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 47.326 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:196 Resp: 178510

Ion Ratio Lower Upper

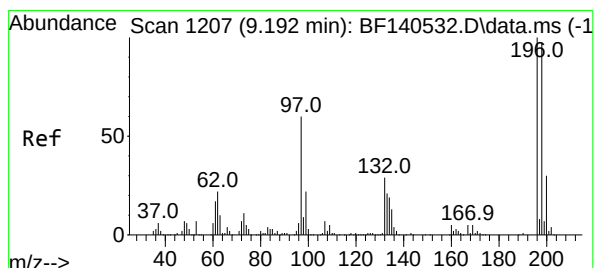
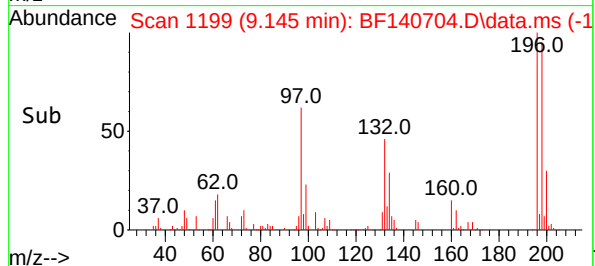
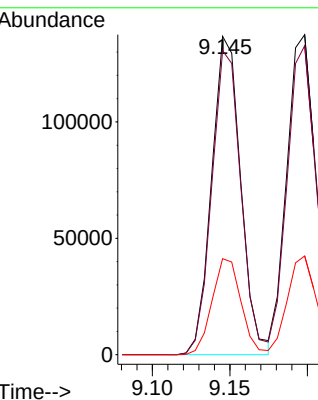
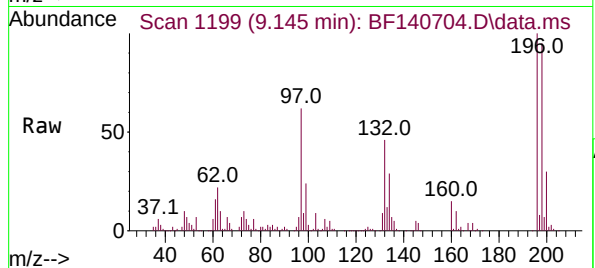
196 100

198 95.5 76.8 115.2

200 30.1 24.3 36.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#44

2,4,5-Trichlorophenol

Concen: 45.723 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Tgt Ion:196 Resp: 187175

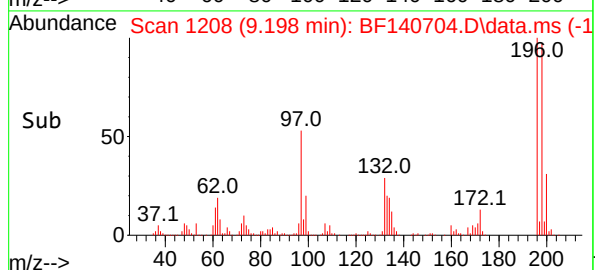
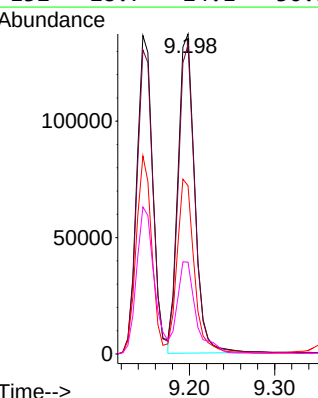
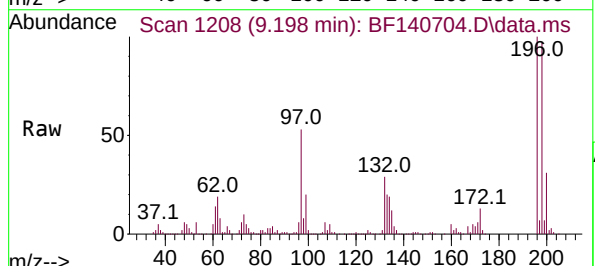
Ion Ratio Lower Upper

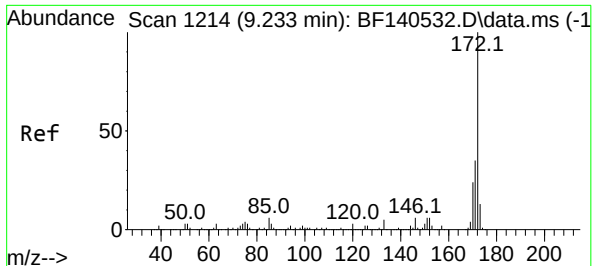
196 100

198 96.6 77.2 115.8

97 52.6 47.1 70.7

132 28.7 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 88.500 ng

RT: 9.228 min Scan# 121964

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:172 Resp: 121964

Ion Ratio Lower Upper

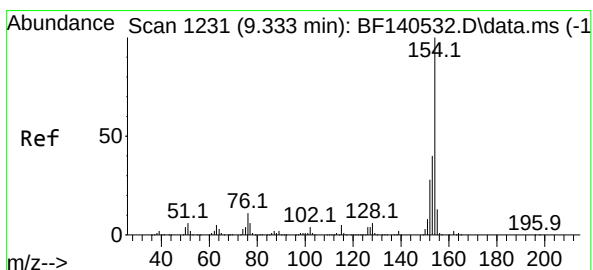
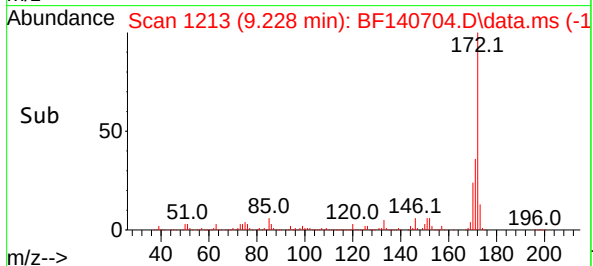
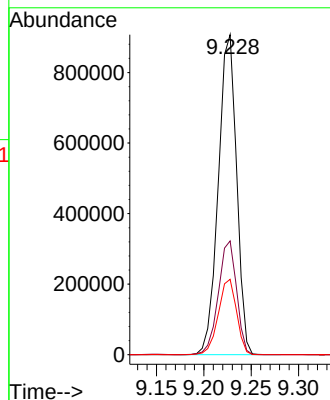
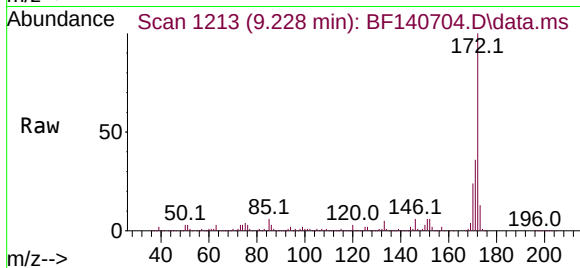
172 100

171 35.5 28.4 42.6

170 23.6 19.0 28.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#46

1,1'-Biphenyl

Concen: 47.330 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

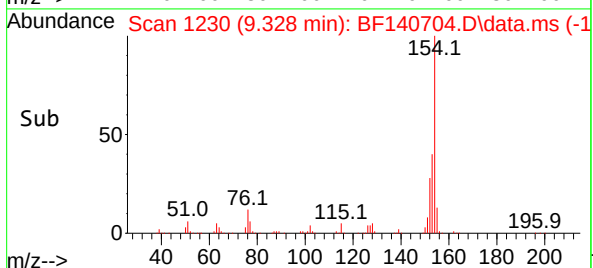
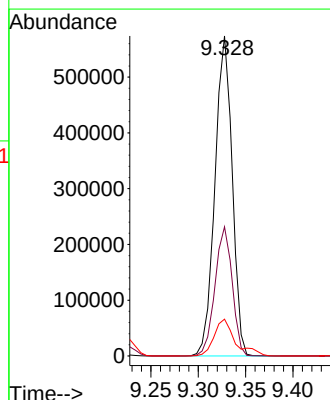
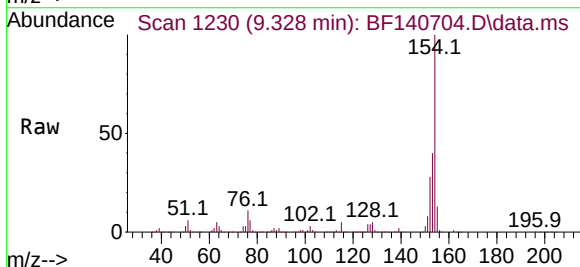
Tgt Ion:154 Resp: 725593

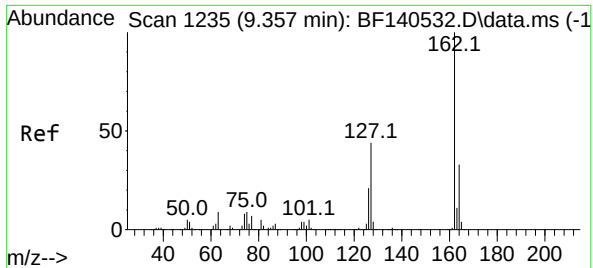
Ion Ratio Lower Upper

154 100

153 40.3 20.4 60.4

76 11.5 0.0 31.2





#47

2-Chloronaphthalene

Concen: 46.456 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:162 Resp: 539639

Ion Ratio Lower Upper

162 100

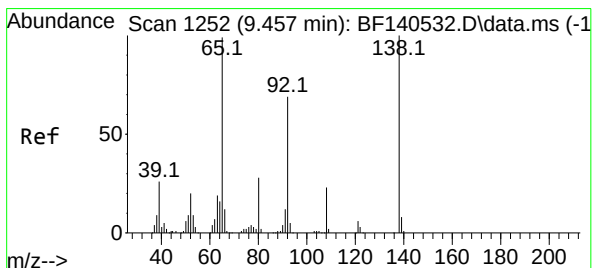
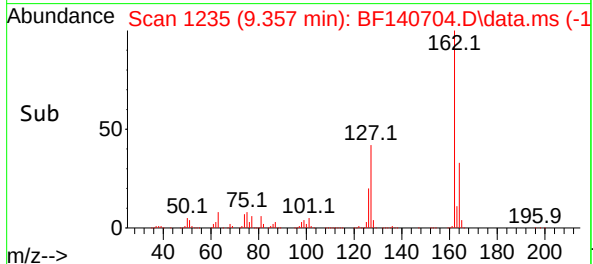
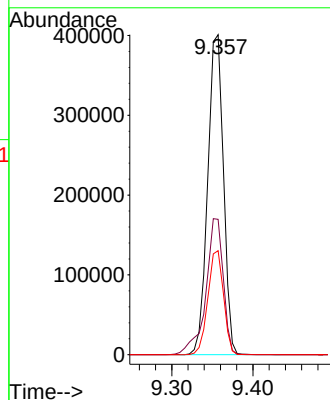
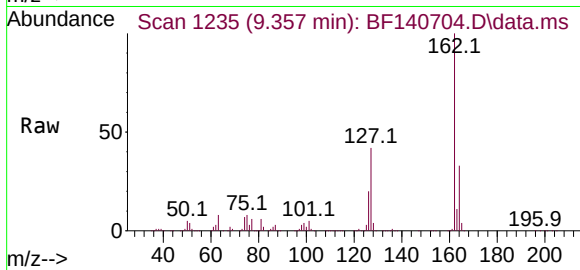
127 42.3 35.7 53.5

164 32.5 26.1 39.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#48

2-Nitroaniline

Concen: 47.329 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

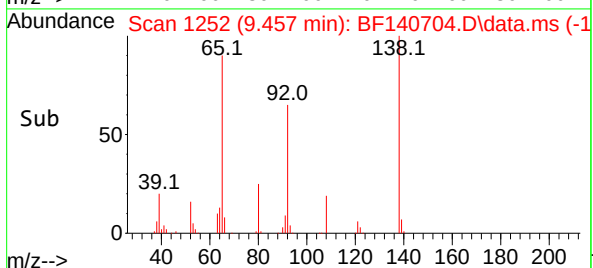
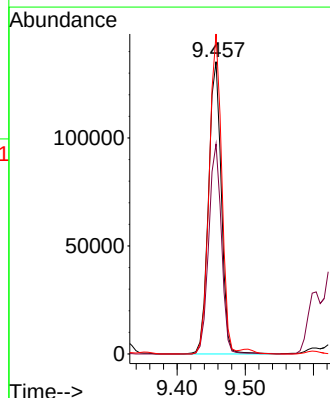
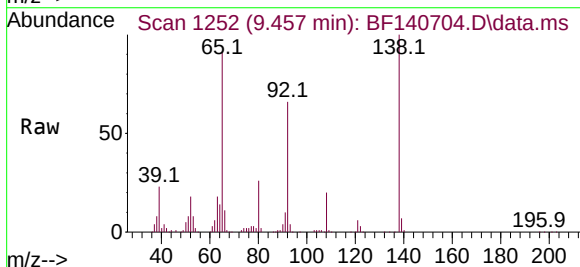
Tgt Ion: 65 Resp: 176469

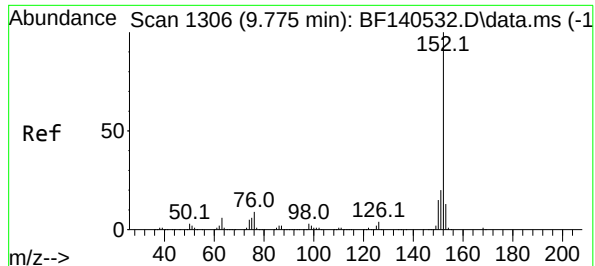
Ion Ratio Lower Upper

65 100

92 71.8 56.1 84.1

138 109.5 81.0 121.6





#49

Acenaphthylene

Concen: 50.523 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:152 Resp: 886750

Ion Ratio Lower Upper

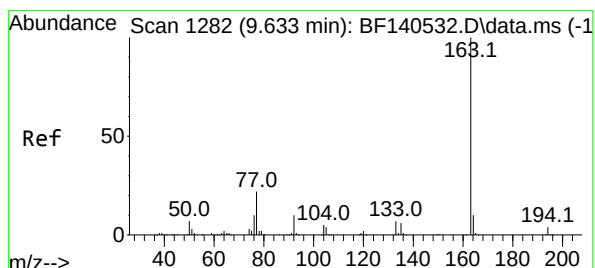
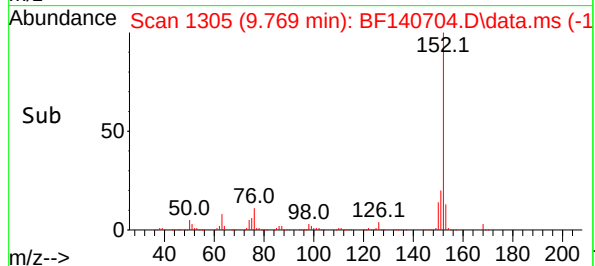
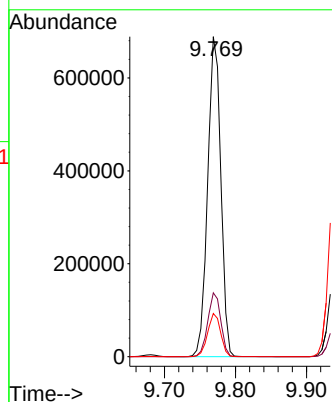
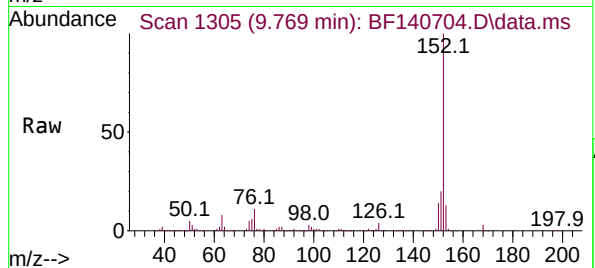
152 100

151 20.0 15.9 23.9

153 13.5 10.6 16.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#50

Dimethylphthalate

Concen: 50.220 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

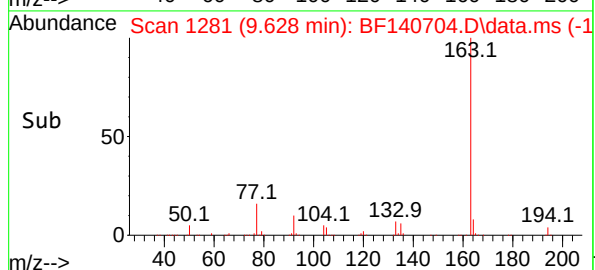
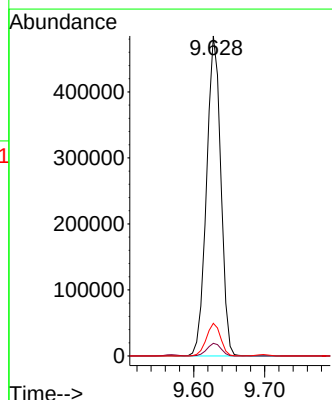
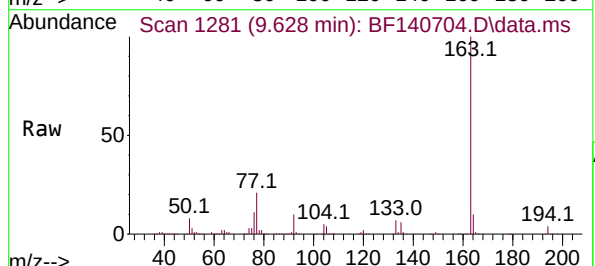
Tgt Ion:163 Resp: 679143

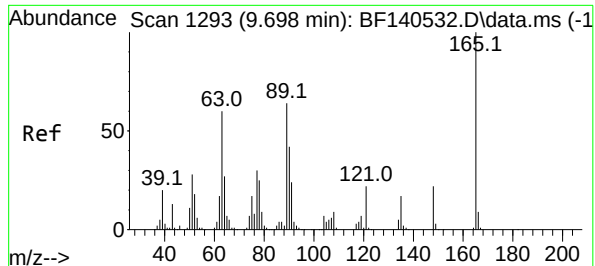
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.2 8.2 12.2





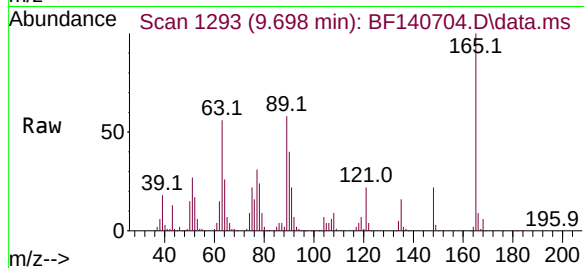
#51
2,6-Dinitrotoluene
Concen: 47.233 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

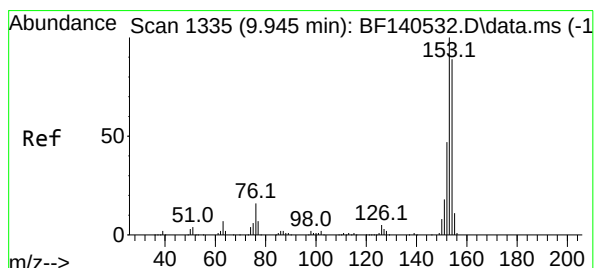
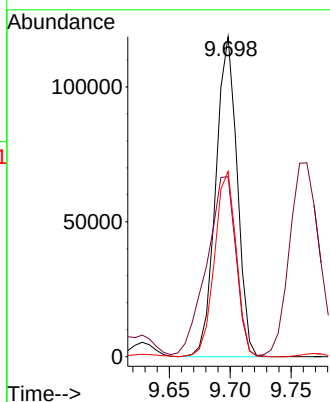
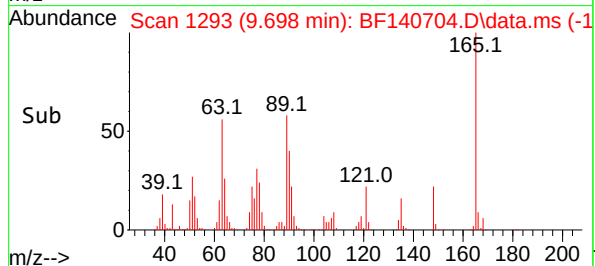


Tgt Ion:165 Resp: 144864
Ion Ratio Lower Upper
165 100
63 56.2 49.9 74.9
89 57.9 50.9 76.3

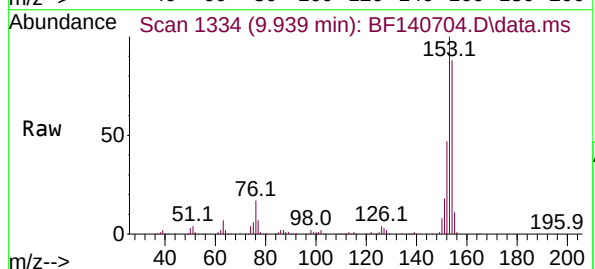
Manual Integrations

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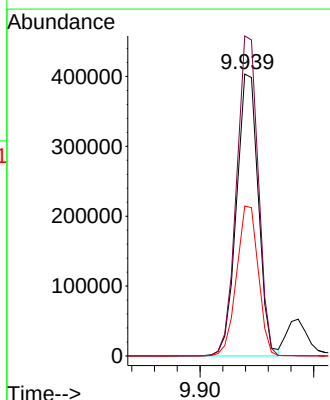
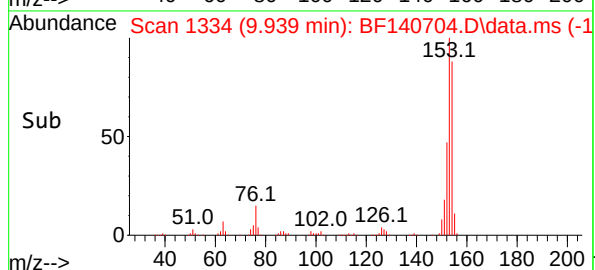
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

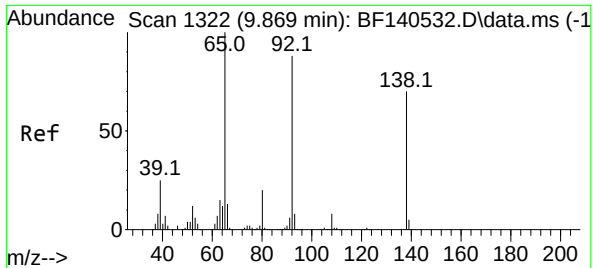


#52
Acenaphthene
Concen: 48.306 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22



Tgt Ion:154 Resp: 538713
Ion Ratio Lower Upper
154 100
153 113.5 89.7 134.5
152 53.2 42.5 63.7





#53
3-Nitroaniline
Concen: 30.787 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

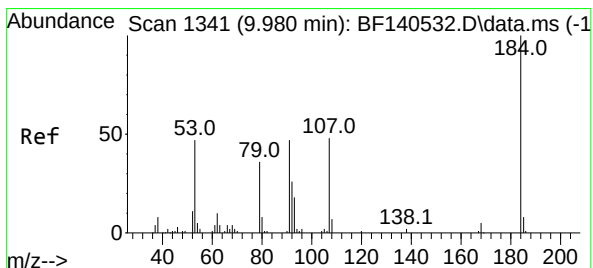
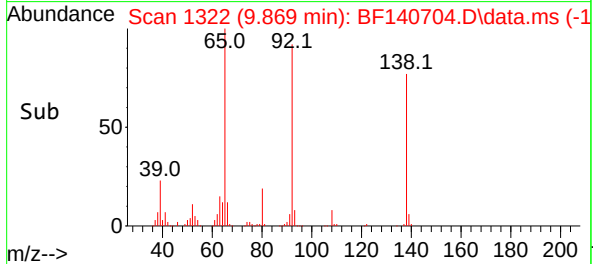
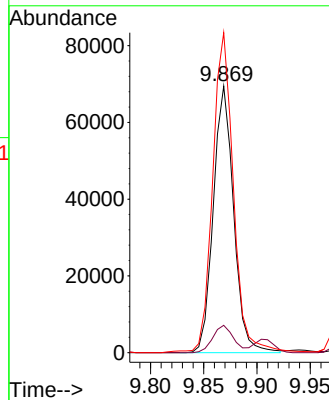
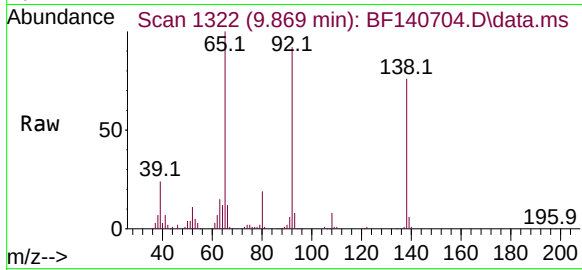
PB165312BS

Tgt Ion:138 Resp: 92352
Ion Ratio Lower Upper
138 100
108 10.3 9.2 13.8
92 120.0 100.6 150.8

Manual Integrations

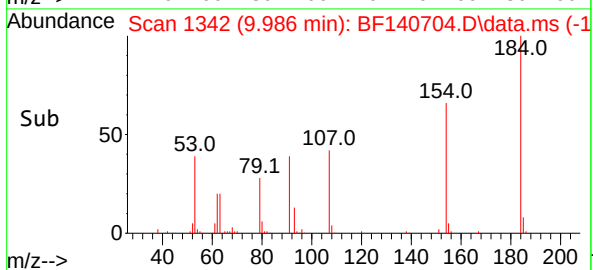
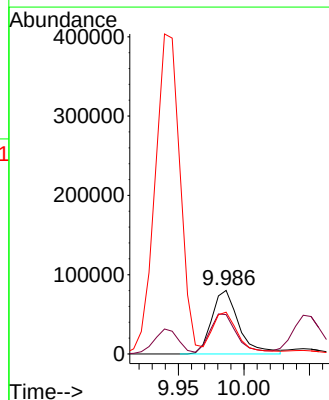
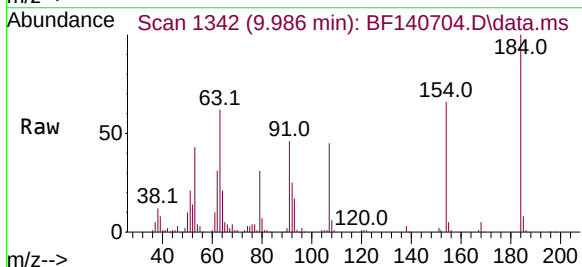
APPROVED

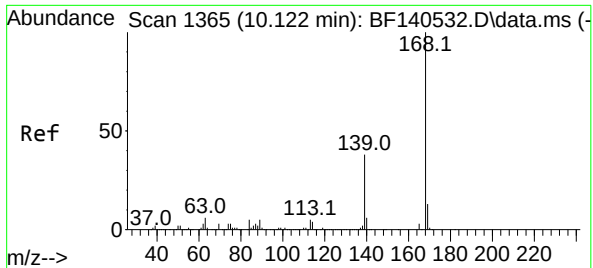
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#54
2,4-Dinitrophenol
Concen: 73.234 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

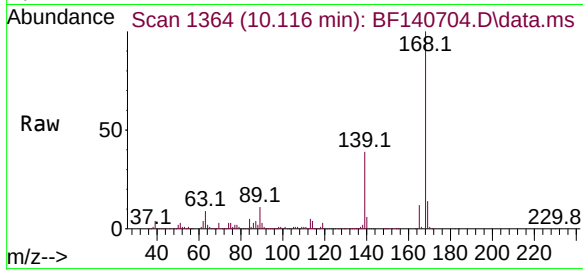
Tgt Ion:184 Resp: 115161
Ion Ratio Lower Upper
184 100
63 61.9 54.1 81.1
154 65.8 57.4 86.0





#55
Dibenzenofuran
Concen: 47.366 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

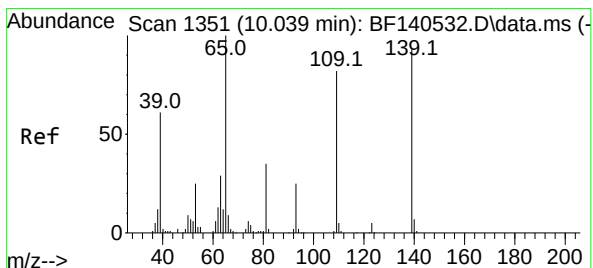
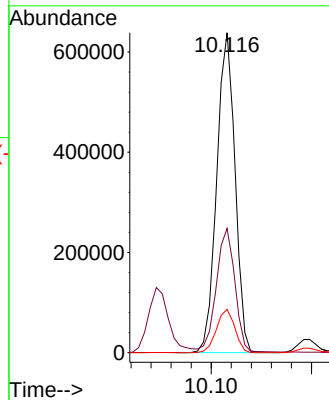
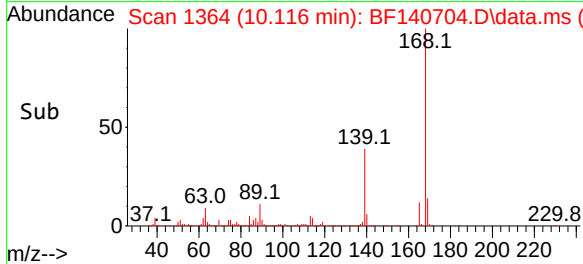
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:168 Resp: 80570
Ion Ratio Lower Upper
168 100
139 38.9 31.3 46.9
169 13.5 10.5 15.7

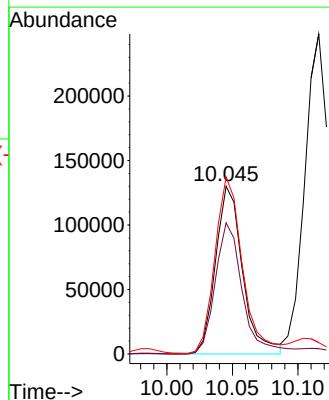
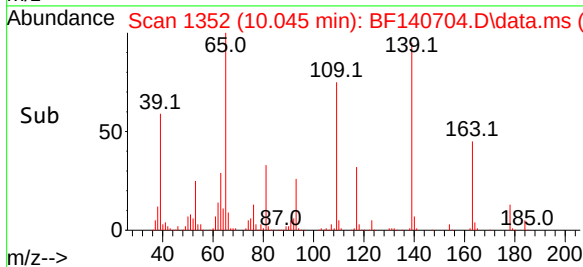
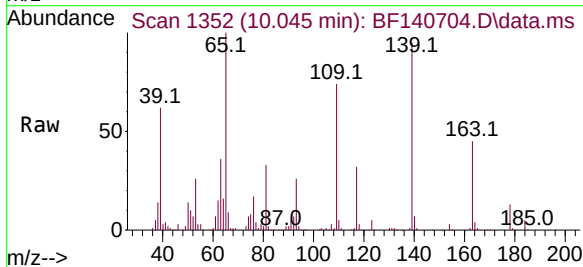
Manual Integrations
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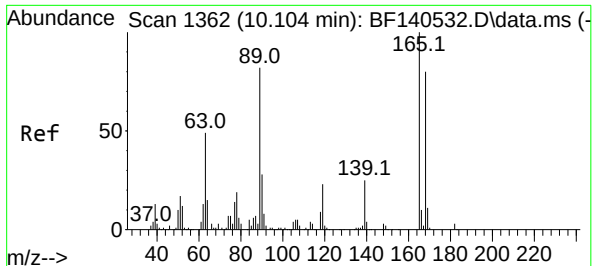
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#56
4-Nitrophenol
Concen: 91.132 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:139 Resp: 186435
Ion Ratio Lower Upper
139 100
109 78.3 68.4 108.4
65 105.5 88.6 128.6





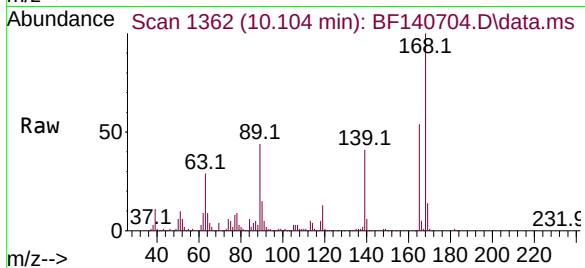
#57
2,4-Dinitrotoluene
Concen: 47.768 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

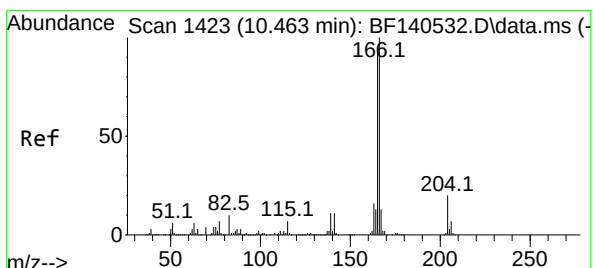
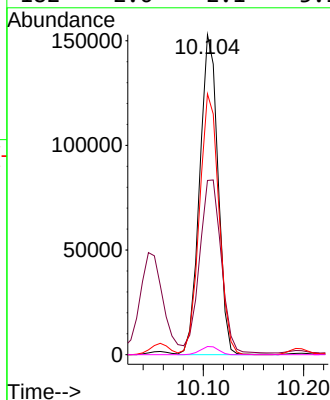
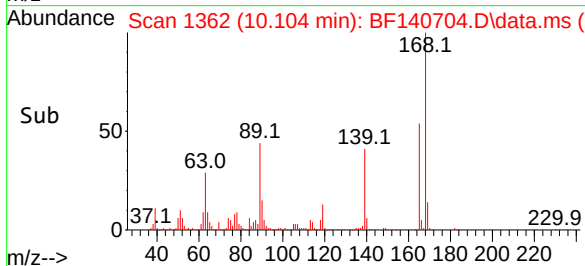


Tgt Ion:165 Resp: 194710
Ion Ratio Lower Upper
165 100
63 54.5 41.7 62.5
89 81.5 65.8 98.8
182 2.6 2.1 3.1

Manual Integrations

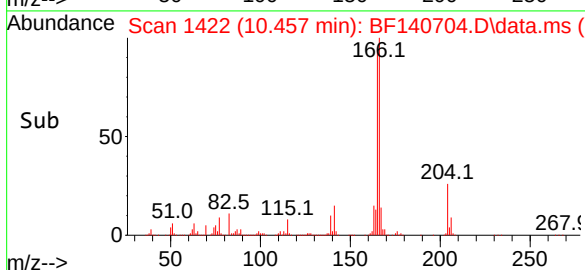
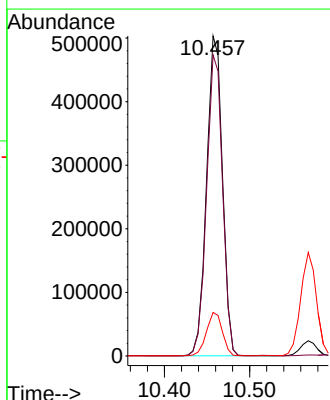
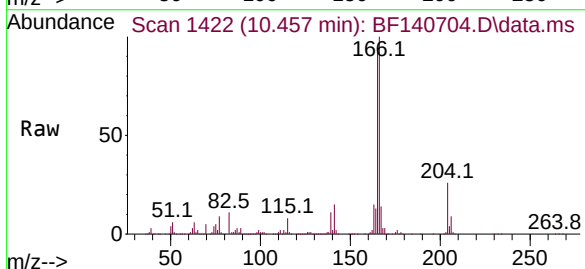
APPROVED

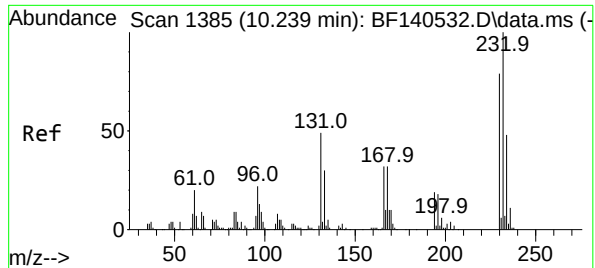
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#58
Fluorene
Concen: 47.671 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

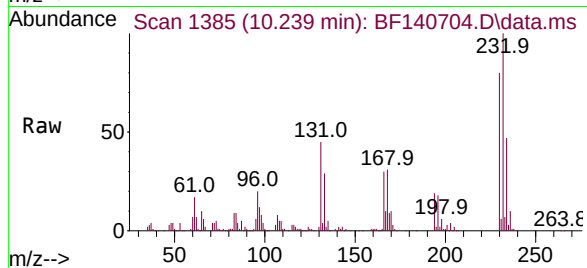
Tgt Ion:166 Resp: 650887
Ion Ratio Lower Upper
166 100
165 94.0 74.6 111.8
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.242 ng
RT: 10.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

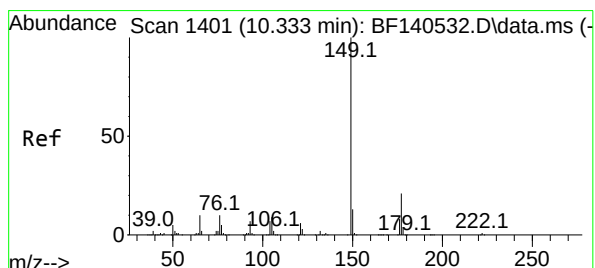
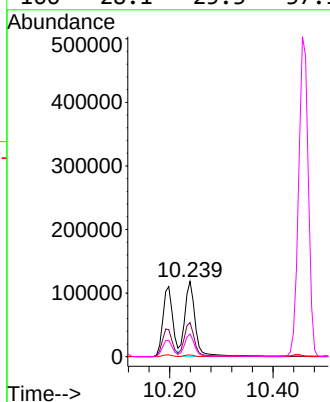
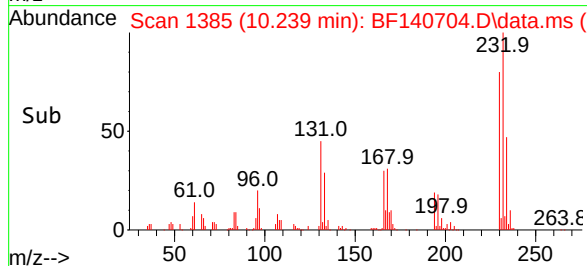
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:232 Resp: 16436
Ion Ratio Lower Upper
232 100
131 43.5 39.6 59.4
130 2.3 1.9 2.9
166 28.1 25.3 37.9

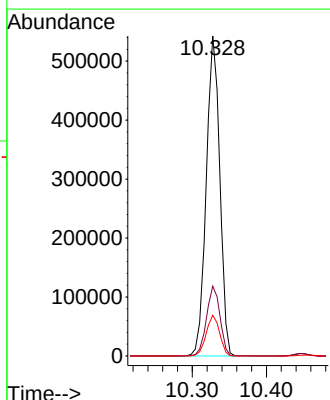
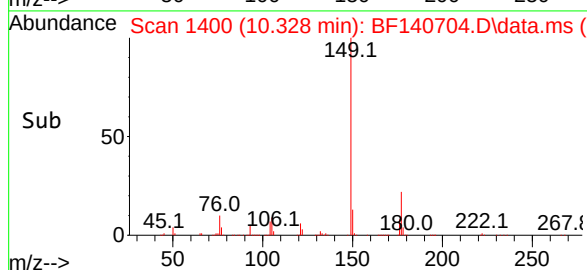
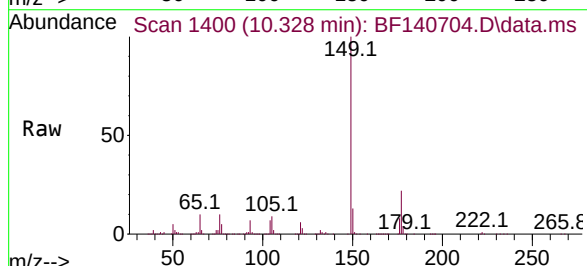
Manual Integrations
APPROVED

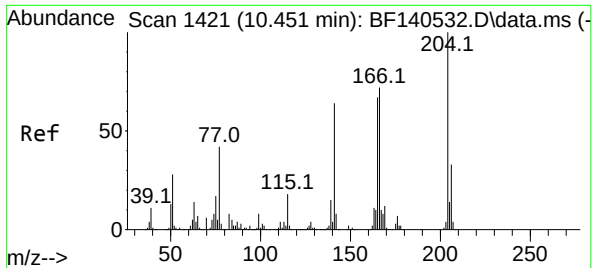
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#60
Diethylphthalate
Concen: 50.006 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

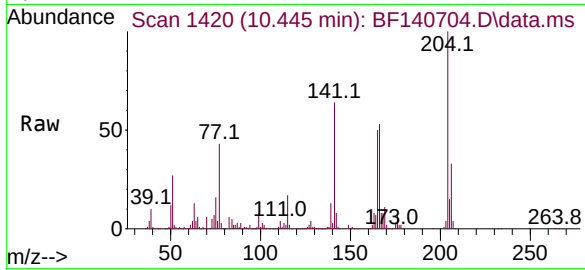
Tgt Ion:149 Resp: 687077
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 48.022 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

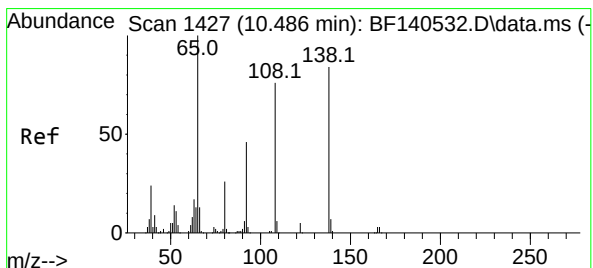
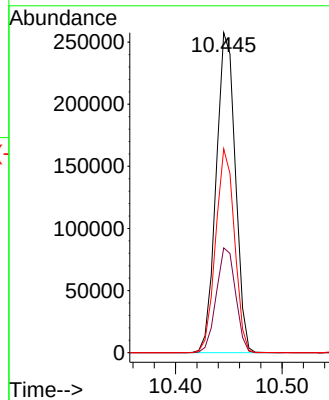
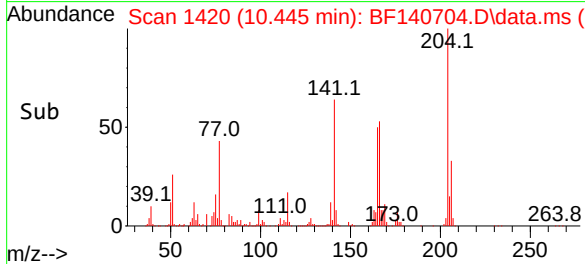
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:204 Resp: 321780
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 63.7 51.1 76.7

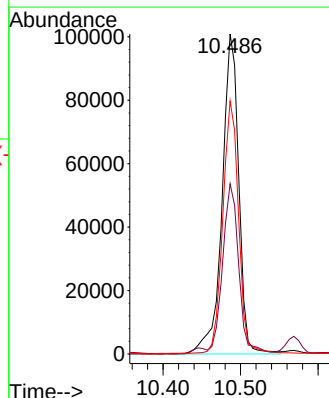
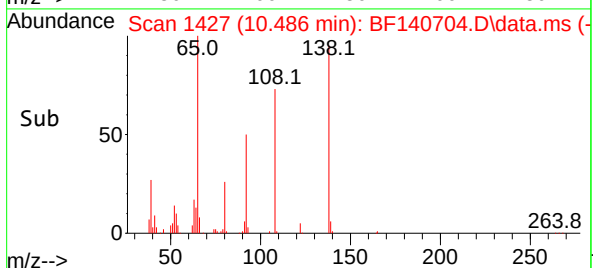
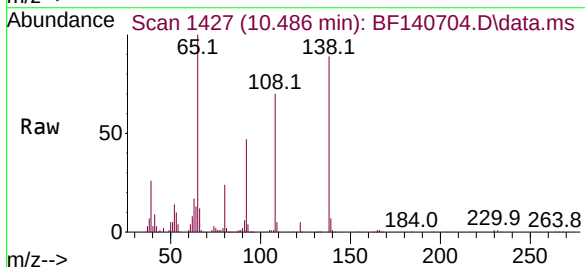
Manual Integrations
APPROVED

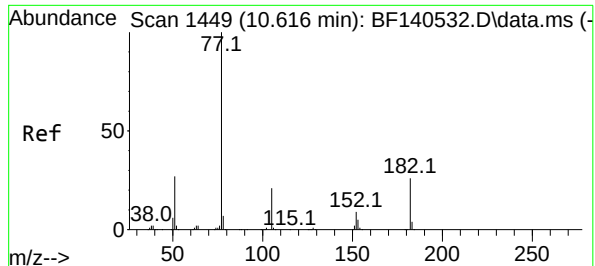
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#62
4-Nitroaniline
Concen: 47.835 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

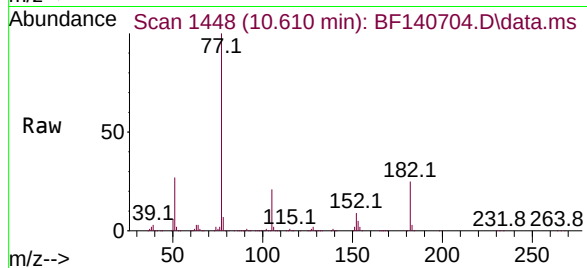
Tgt Ion:138 Resp: 150493
Ion Ratio Lower Upper
138 100
92 53.2 34.5 74.5
108 79.1 70.6 110.6





#63
Azobenzene
Concen: 50.902 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

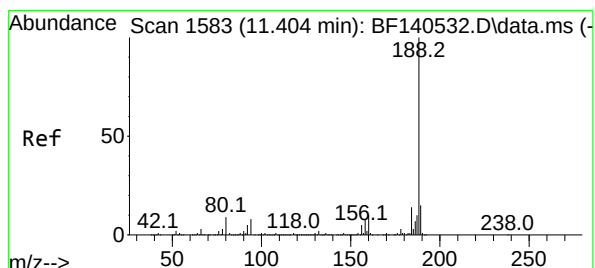
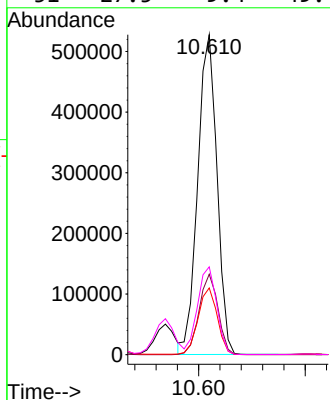
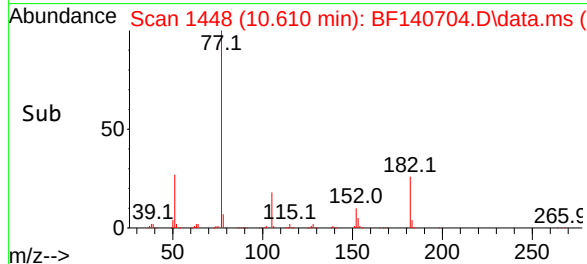
Instrument :
BNA_F
ClientSampleId :
PB165312BS



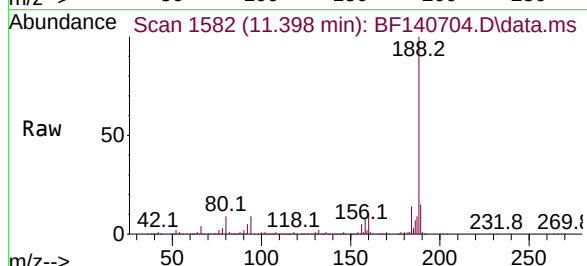
Tgt Ion: 77 Resp: 66231
Ion Ratio Lower Upper
77 100
182 25.2 5.3 45.3
105 20.9 0.3 40.3
51 27.5 9.4 49.4

Manual Integrations
APPROVED

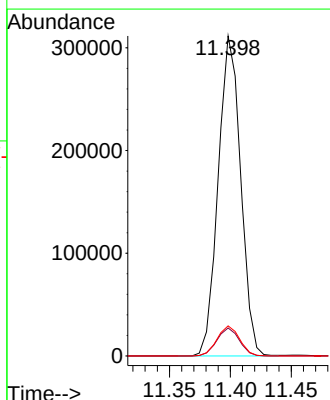
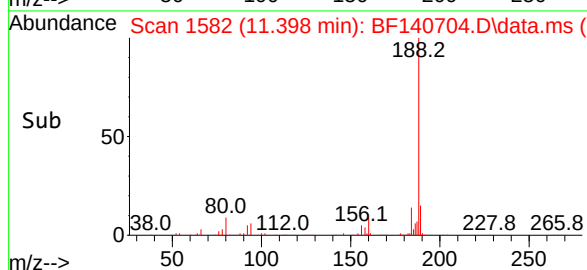
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

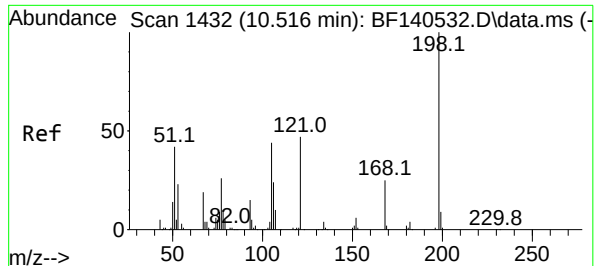


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22



Tgt Ion:188 Resp: 400071
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 9.4 6.9 10.3





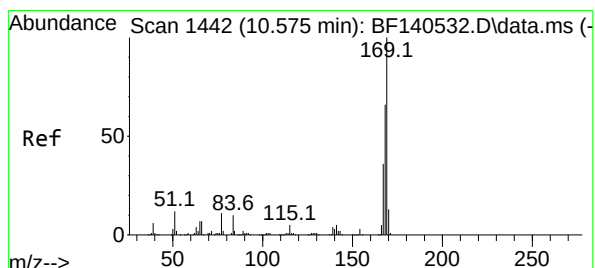
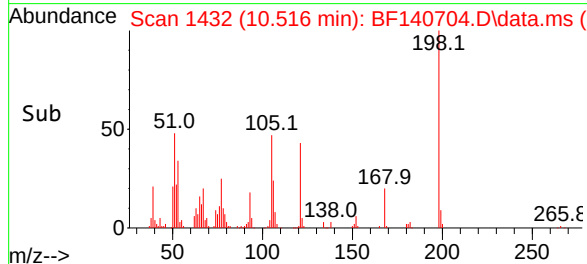
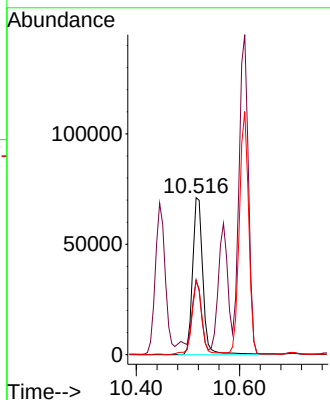
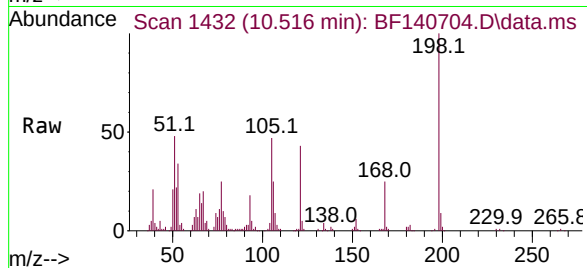
#65
4,6-Dinitro-2-methylphenol
Concen: 48.155 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :
BNA_F
ClientSampleId :
PB165312BS

Tgt Ion:198 Resp: 9844
Ion Ratio Lower Upper
198 100
51 47.7 29.4 69.4
105 46.8 25.4 65.4

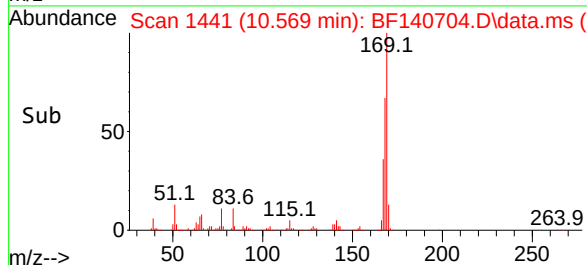
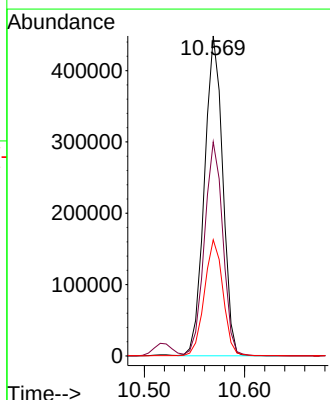
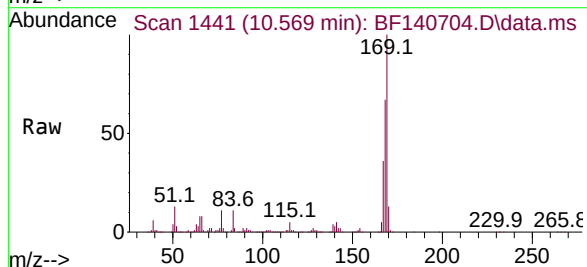
Manual Integrations
APPROVED

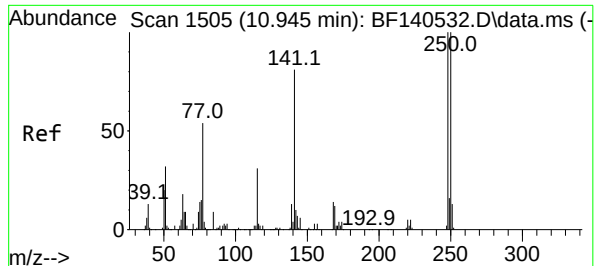
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#66
n-Nitrosodiphenylamine
Concen: 48.110 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:169 Resp: 569197
Ion Ratio Lower Upper
169 100
168 66.9 53.2 79.8
167 36.3 29.0 43.6





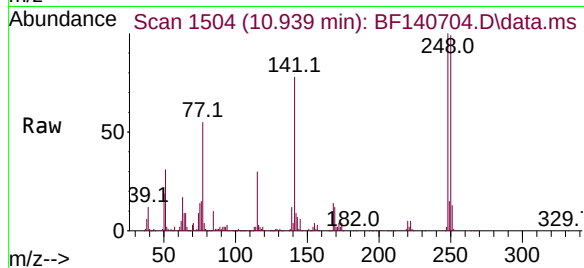
#67
4-Bromophenyl-phenylether
Concen: 47.651 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

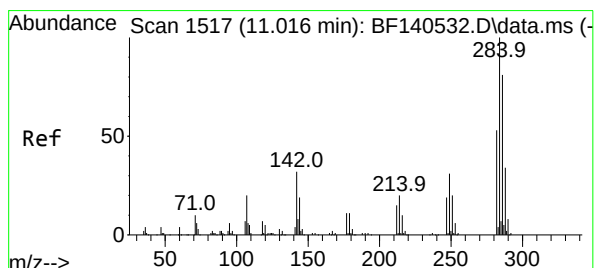
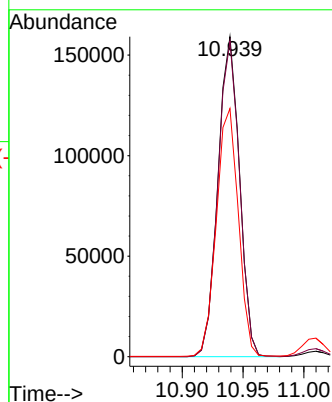
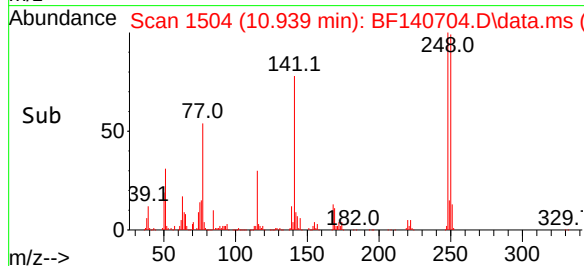


Tgt Ion:248 Resp: 196320
Ion Ratio Lower Upper
248 100
250 98.6 79.8 119.8
141 77.5 64.7 97.1

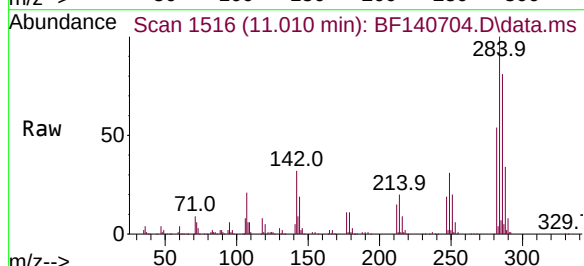
Manual Integrations

APPROVED

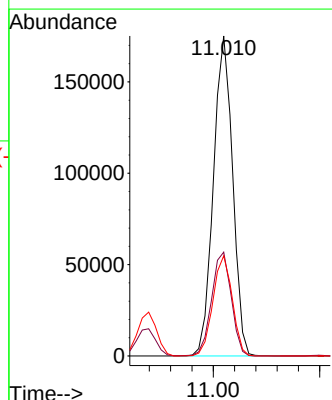
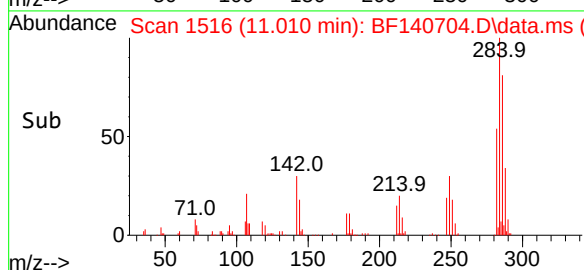
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

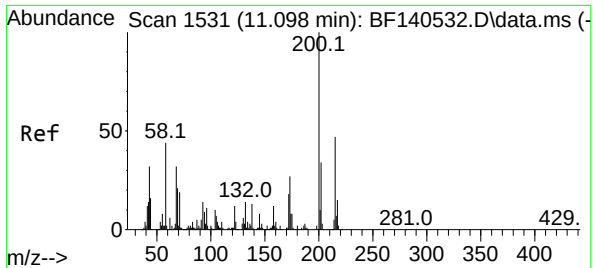


#68
Hexachlorobenzene
Concen: 45.957 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22



Tgt Ion:284 Resp: 219248
Ion Ratio Lower Upper
284 100
142 32.5 25.3 37.9
249 31.3 24.8 37.2





#69

Atrazine

Concen: 58.047 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:200 Resp: 193200

Ion Ratio Lower Upper

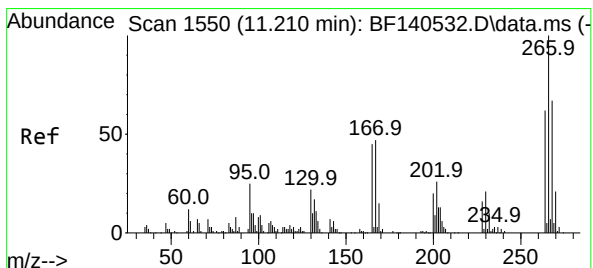
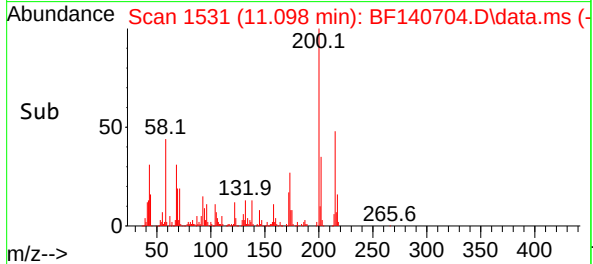
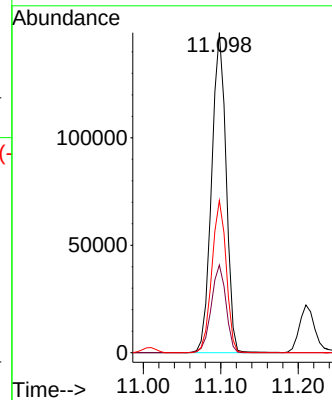
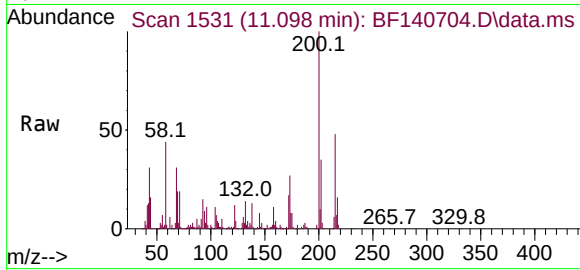
200 100

173 27.4 7.0 47.0

215 47.6 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#70

Pentachlorophenol

Concen: 82.256 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

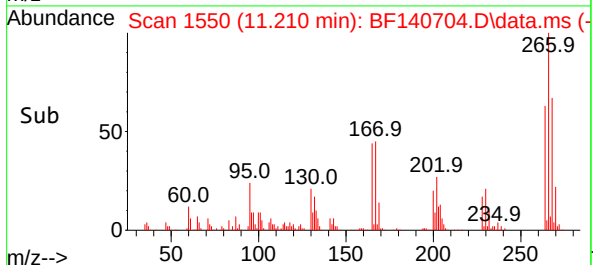
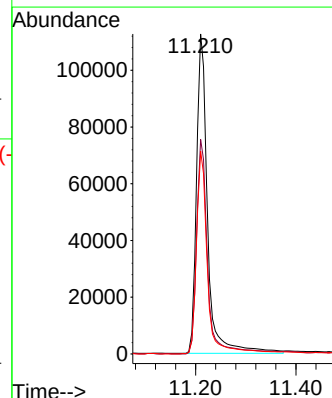
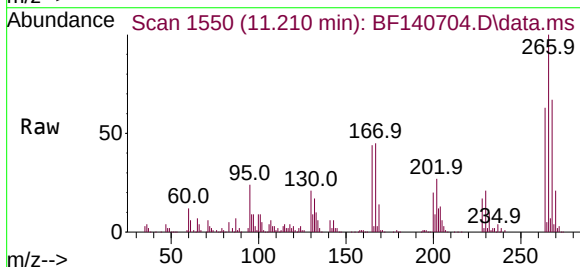
Tgt Ion:266 Resp: 172712

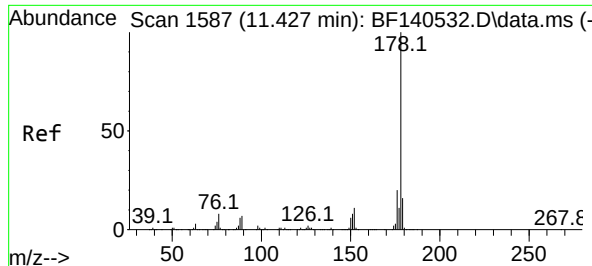
Ion Ratio Lower Upper

266 100

268 67.0 53.7 80.5

264 63.4 49.8 74.8





#71

Phenanthrene

Concen: 48.703 ng

RT: 11.428 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:178 Resp: 936600

Ion Ratio Lower Upper

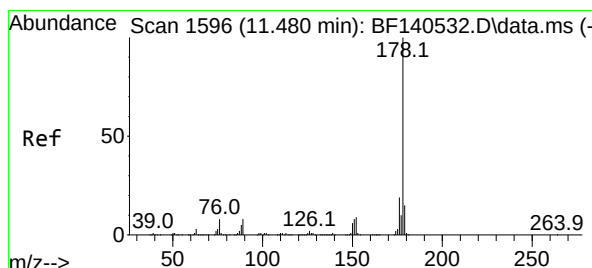
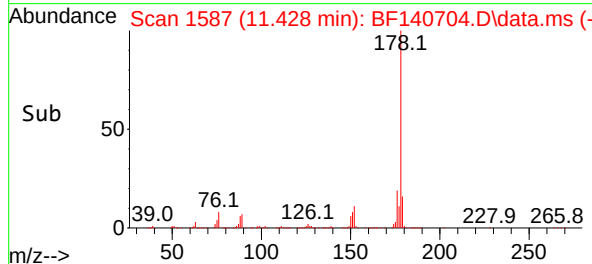
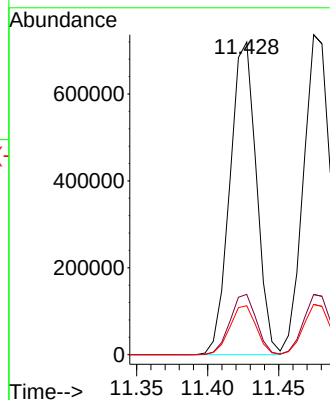
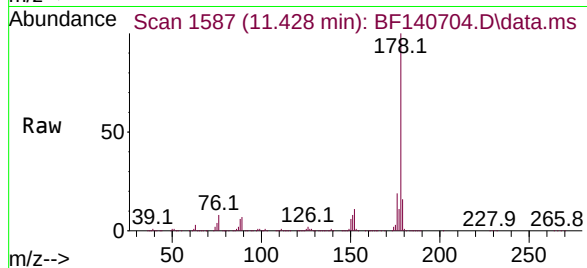
178 100

176 19.3 15.8 23.6

179 15.7 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#72

Anthracene

Concen: 51.638 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

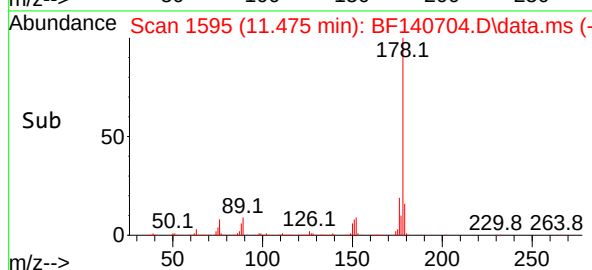
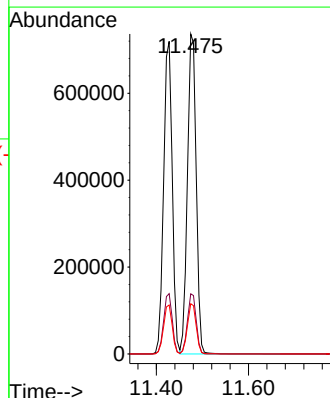
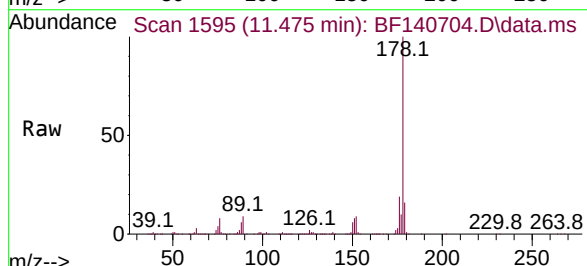
Tgt Ion:178 Resp: 971403

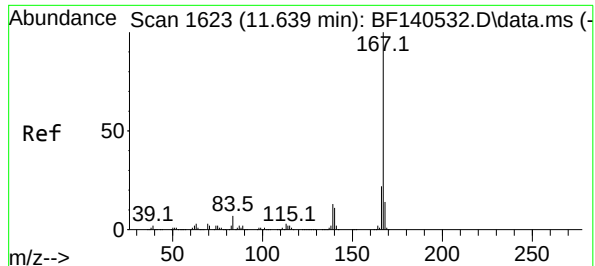
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

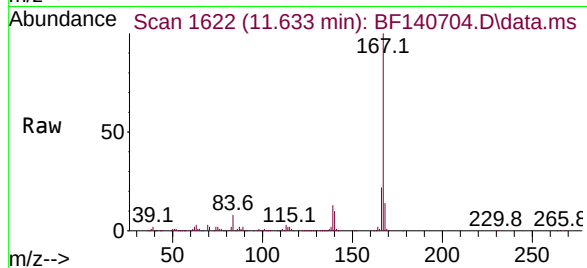
179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 48.447 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140704.D
 Acq: 03 Dec 2024 12:22

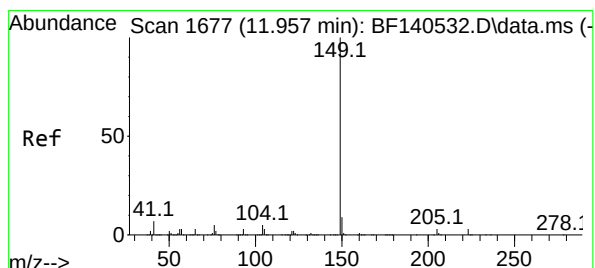
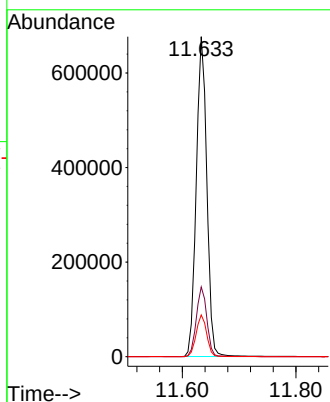
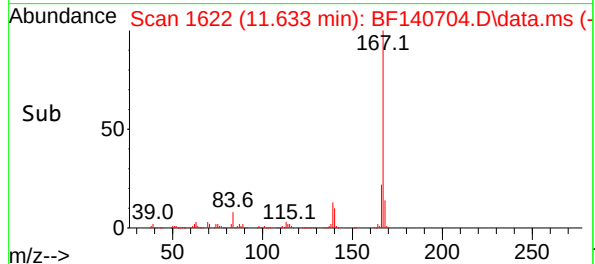
Instrument :
 BNA_F
 ClientSampleId :
 PB165312BS



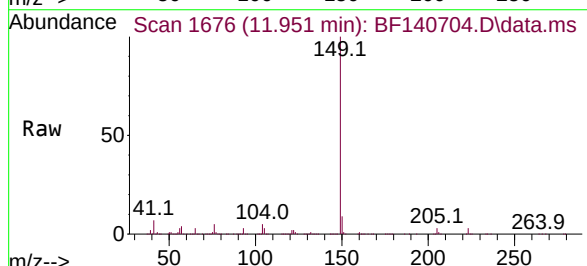
Tgt Ion:167 Resp: 876733
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.0 10.6 15.8

Manual Integrations
 APPROVED

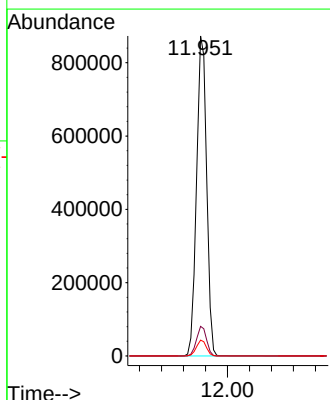
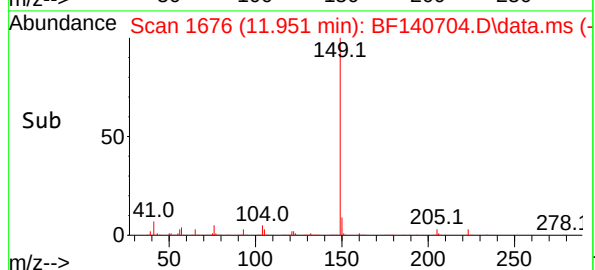
Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

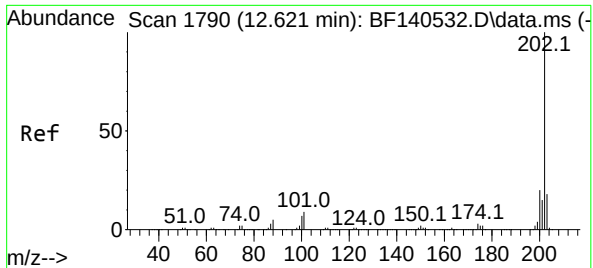


#74
 Di-n-butylphthalate
 Concen: 53.185 ng
 RT: 11.951 min Scan# 1676
 Delta R.T. -0.006 min
 Lab File: BF140704.D
 Acq: 03 Dec 2024 12:22



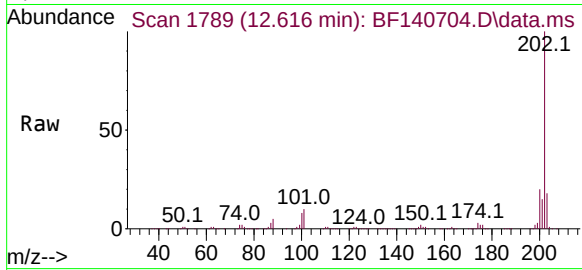
Tgt Ion:149 Resp: 1111182
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.0 4.1 6.1





#75
Fluoranthene
Concen: 49.095 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

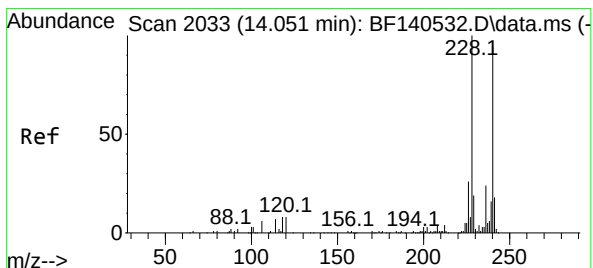
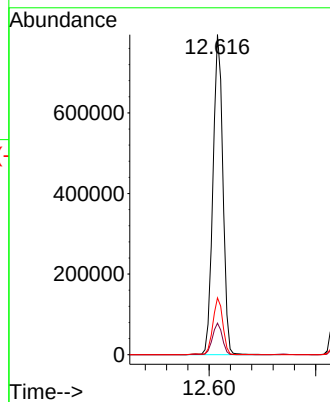
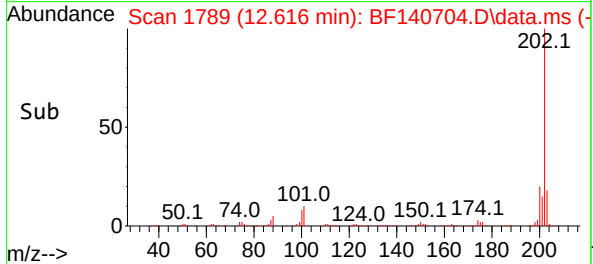
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:202 Resp: 1025108
Ion Ratio Lower Upper
202 100
101 9.9 0.0 28.9
203 17.7 0.0 37.6

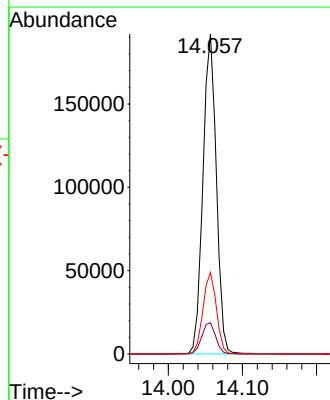
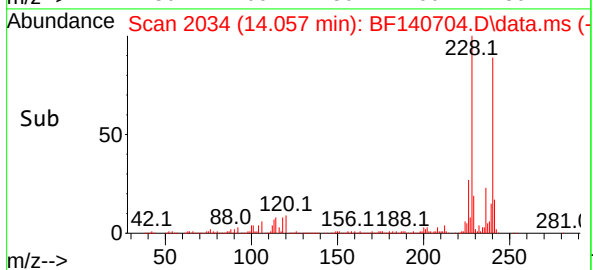
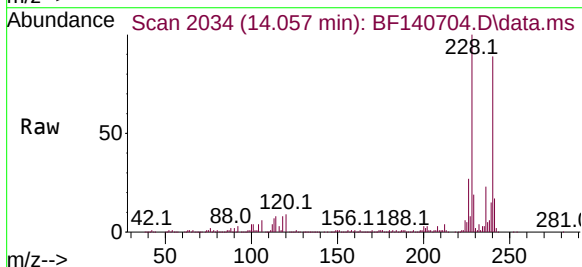
Manual Integrations
APPROVED

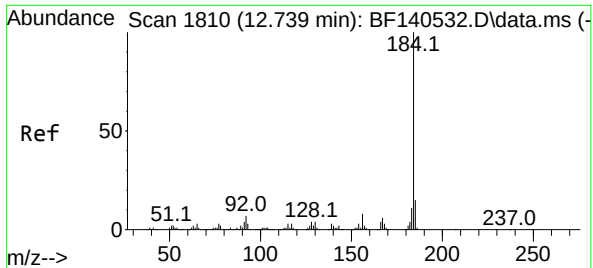
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

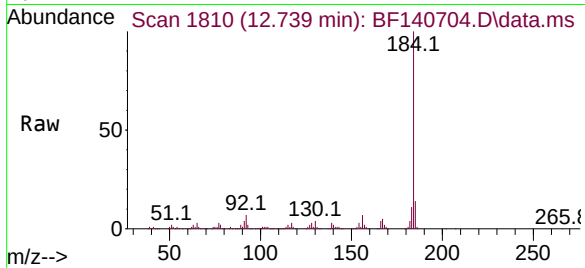
Tgt Ion:240 Resp: 241048
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.5 20.6 31.0





#77
Benzidine
Concen: 41.441 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

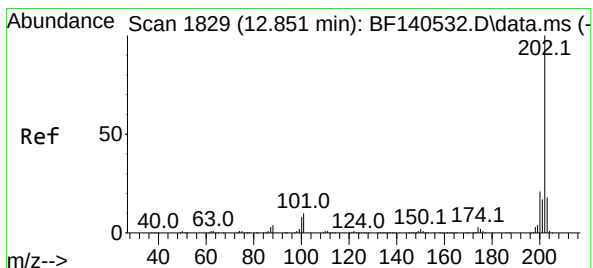
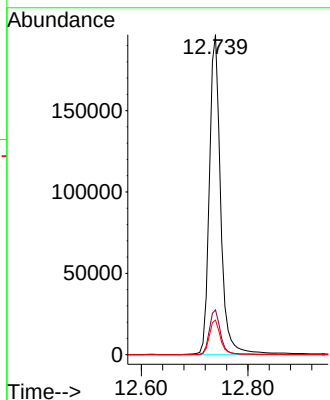
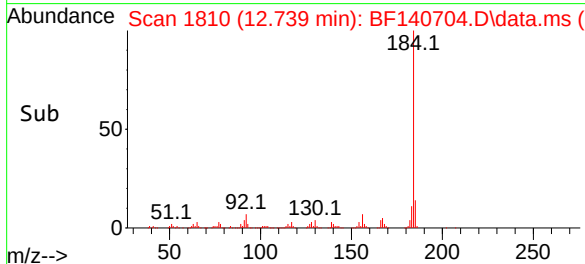
Instrument :
BNA_F
ClientSampleId :
PB165312BS



Tgt Ion:184 Resp: 290435
Ion Ratio Lower Upper
184 100
185 14.0 11.7 17.5
183 10.8 8.8 13.2

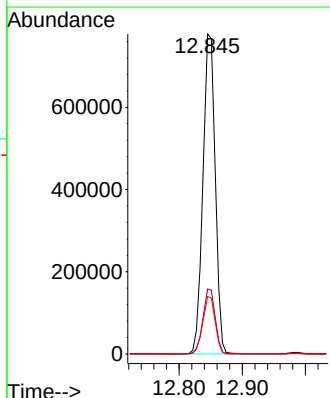
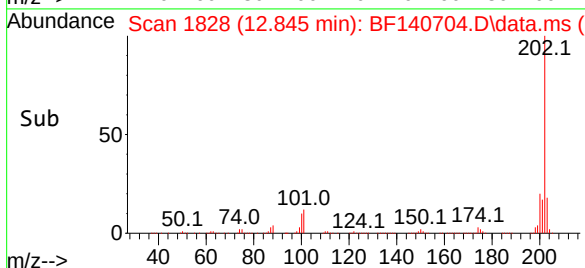
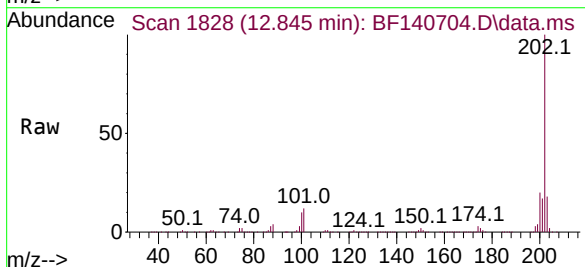
Manual Integrations
APPROVED

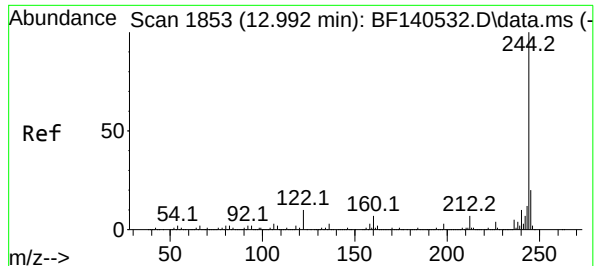
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#78
Pyrene
Concen: 47.311 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:202 Resp: 1054453
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 95.225 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:244 Resp: 1474108

Ion Ratio Lower Upper

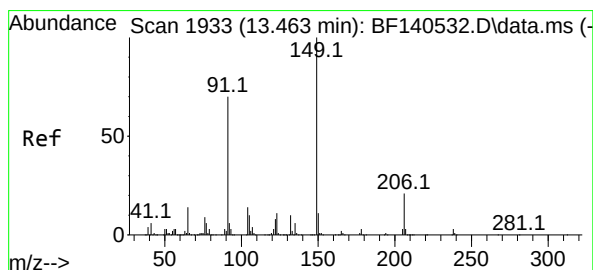
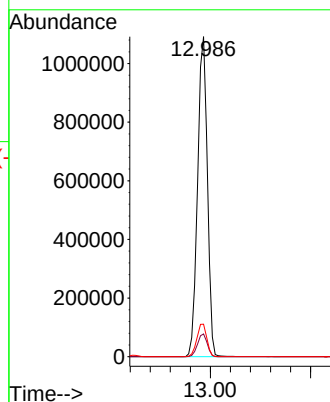
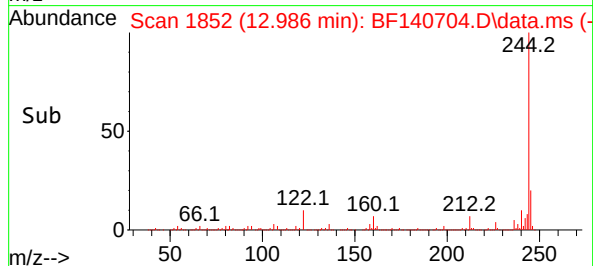
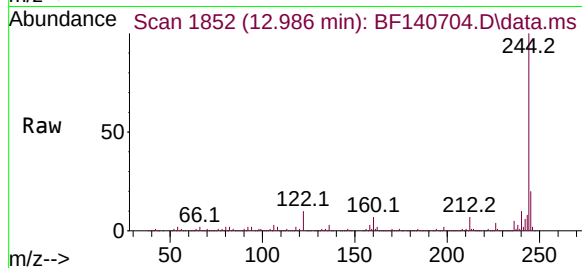
244 100

212 7.1 5.8 8.8

122 10.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#80

Butylbenzylphthalate

Concen: 55.338 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

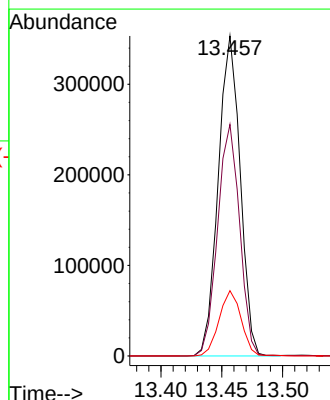
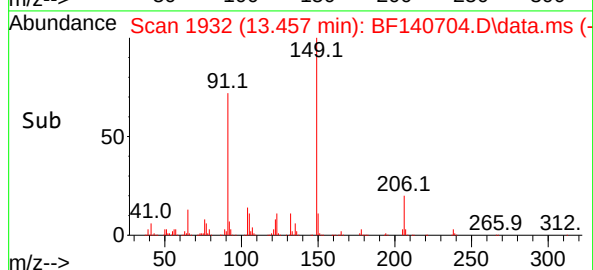
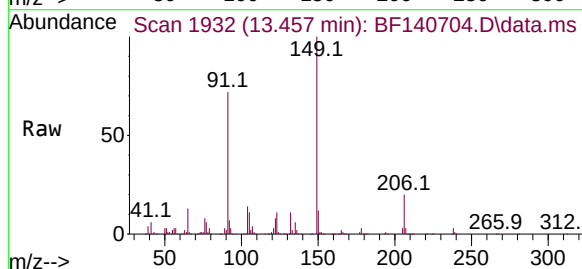
Tgt Ion:149 Resp: 444305

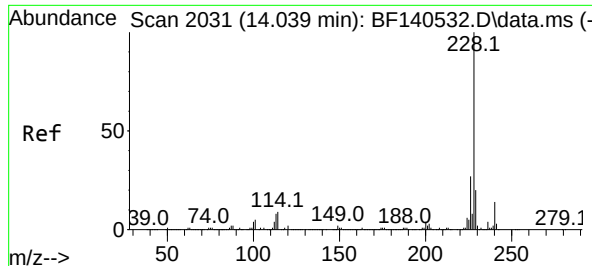
Ion Ratio Lower Upper

149 100

91 72.3 56.2 84.2

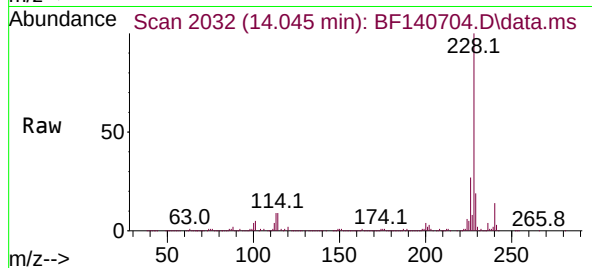
206 20.4 16.4 24.6





#81
Benzo(a)anthracene
Concen: 50.764 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

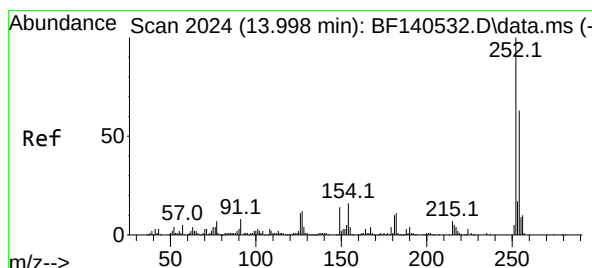
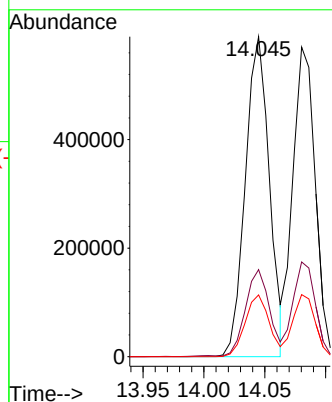
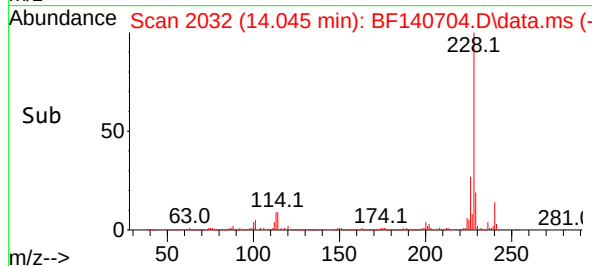
Instrument :
BNA_F
ClientSampleId :
PB165312BS



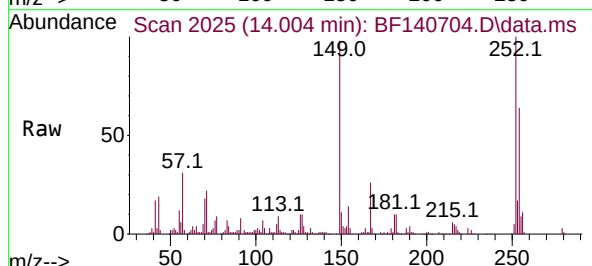
Tgt Ion:228 Resp: 810018
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.3 15.8 23.6

Manual Integrations
APPROVED

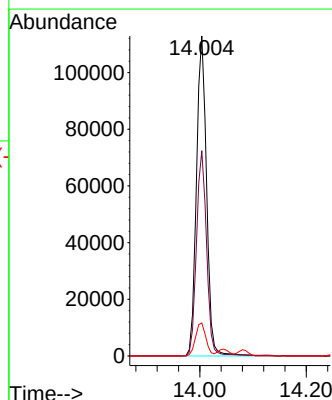
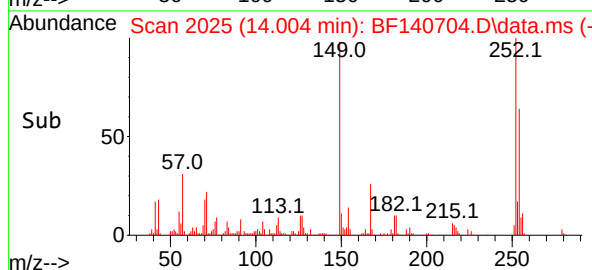
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

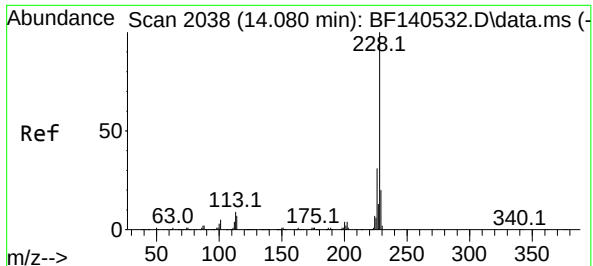


#82
3,3'-Dichlorobenzidine
Concen: 31.069 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22



Tgt Ion:252 Resp: 148845
Ion Ratio Lower Upper
252 100
254 64.2 50.8 76.2
126 10.3 8.6 13.0





#83

Chrysene

Concen: 50.252 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:228 Resp: 733200

Ion Ratio Lower Upper

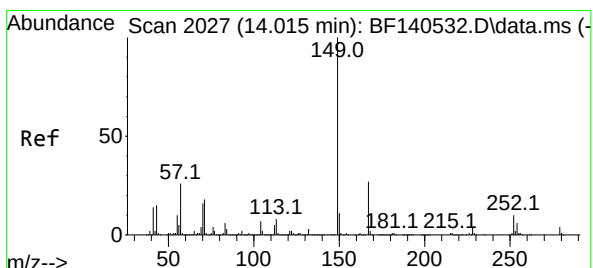
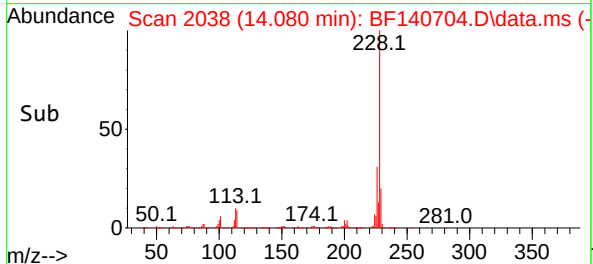
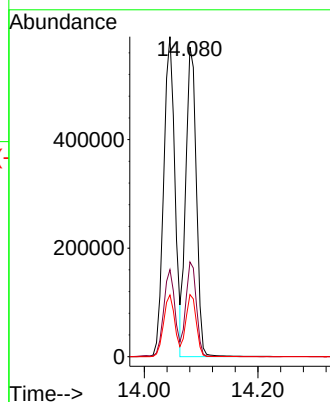
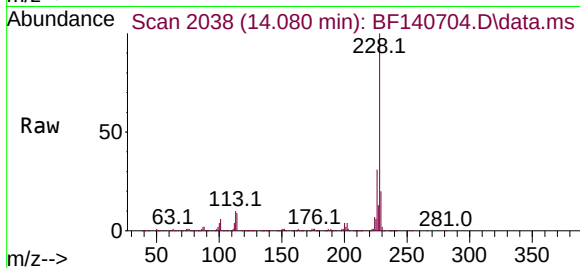
228 100

226 30.6 24.4 36.6

229 20.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 59.423 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

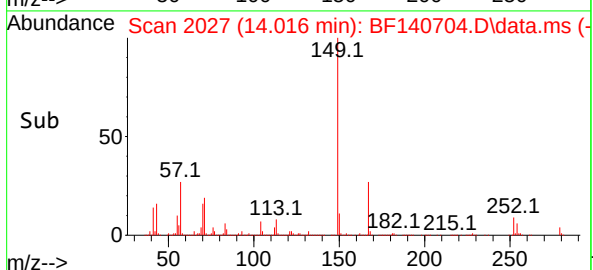
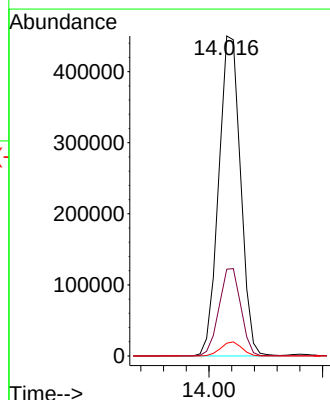
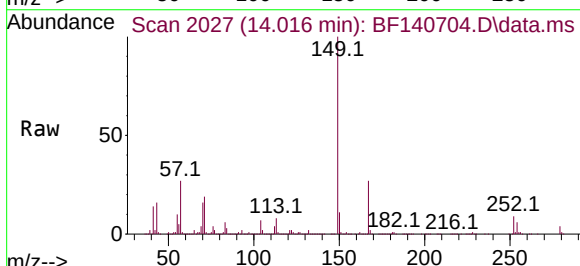
Tgt Ion:149 Resp: 602451

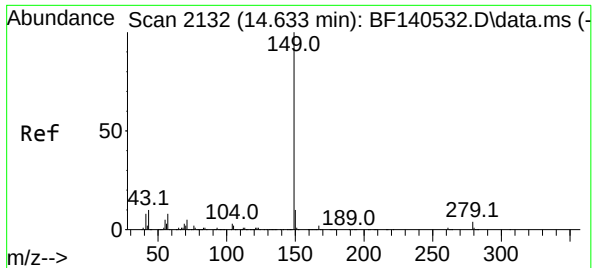
Ion Ratio Lower Upper

149 100

167 27.1 21.2 31.8

279 4.0 3.2 4.8





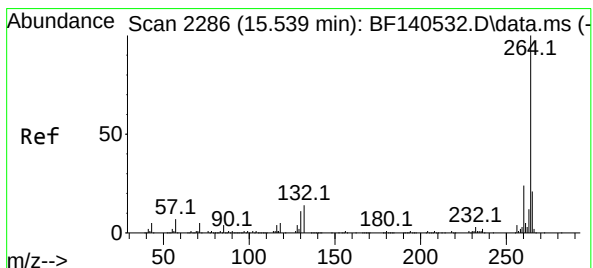
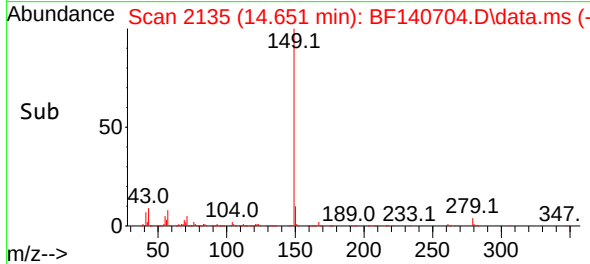
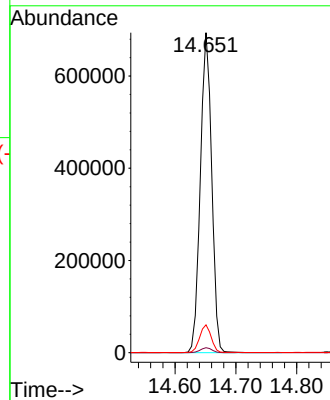
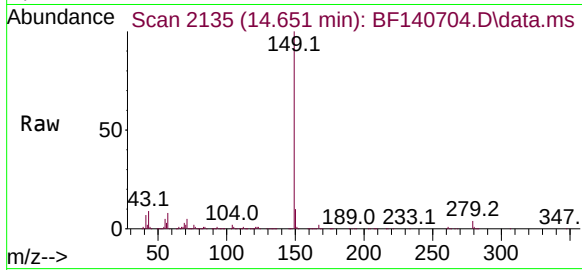
#85
Di-n-octyl phthalate
Concen: 64.876 ng
RT: 14.651 min Scan# 2135
Delta R.T. 0.018 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Instrument :
BNA_F
ClientSampleId :
PB165312BS

Tgt Ion:149 Resp: 89886
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.7 7.7 11.5

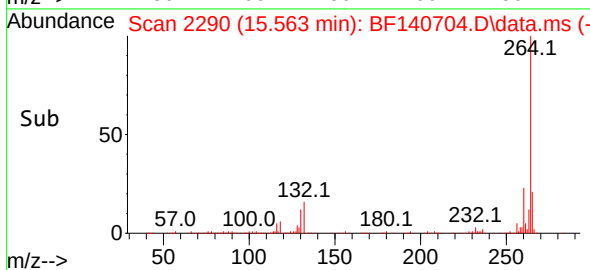
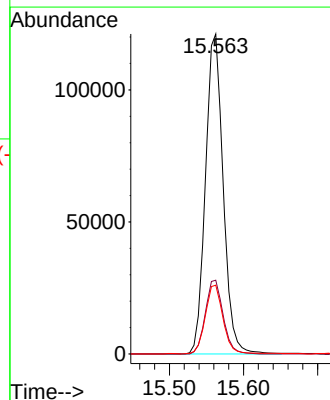
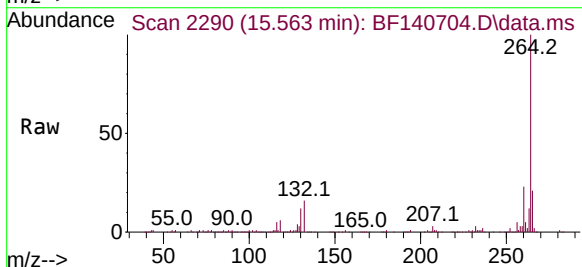
Manual Integrations
APPROVED

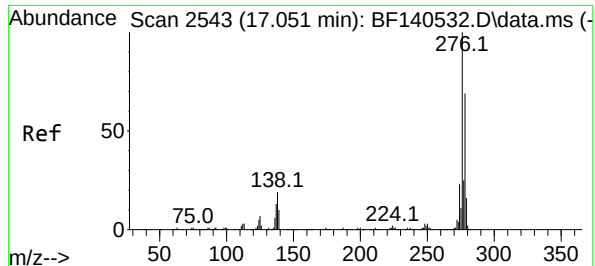
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.024 min
Lab File: BF140704.D
Acq: 03 Dec 2024 12:22

Tgt Ion:264 Resp: 201165
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 21.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.305 ng

RT: 17.086 min Scan# 2115

Delta R.T. 0.035 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:276 Resp: 72503

Ion Ratio Lower Upper

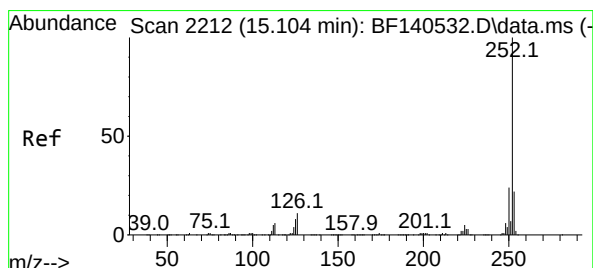
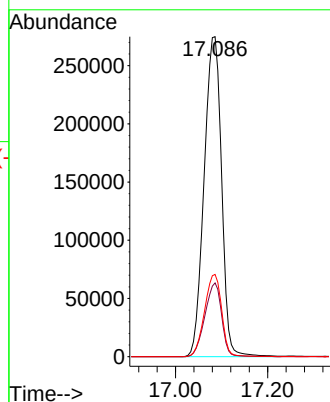
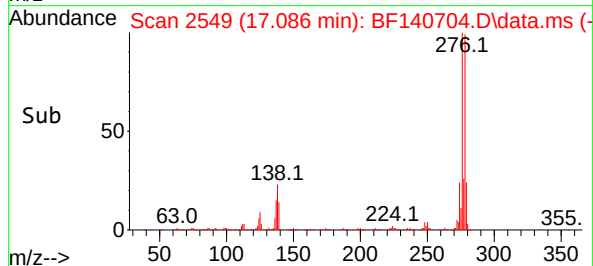
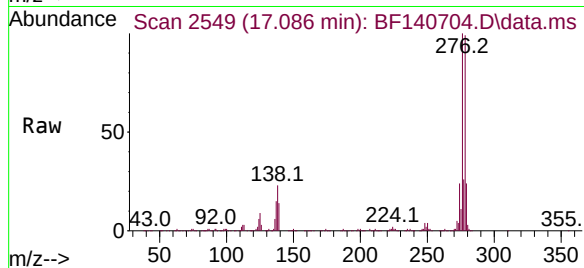
276 100

138 22.2 15.5 23.3

277 25.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#88

Benzo(b)fluoranthene

Concen: 50.351 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.018 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

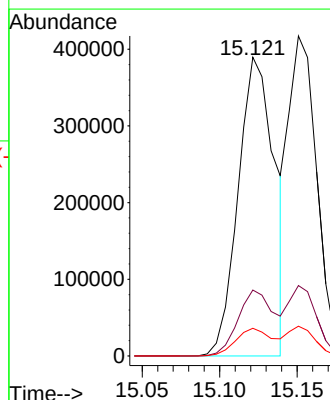
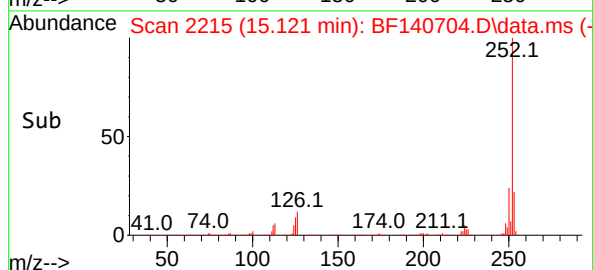
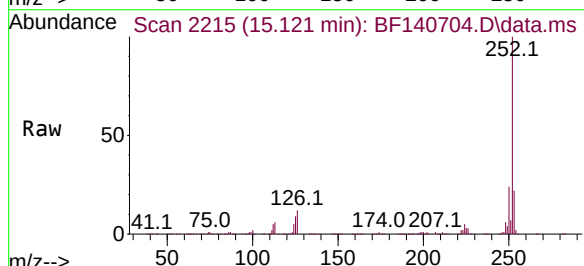
Tgt Ion:252 Resp: 636213

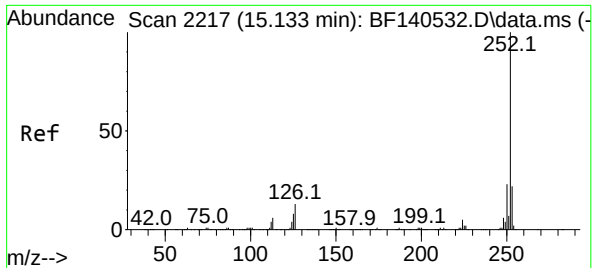
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 9.3 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 48.216 ng

RT: 15.151 min Scan# 2220

Delta R.T. 0.018 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:252 Resp: 53313

Ion Ratio Lower Upper

252 100

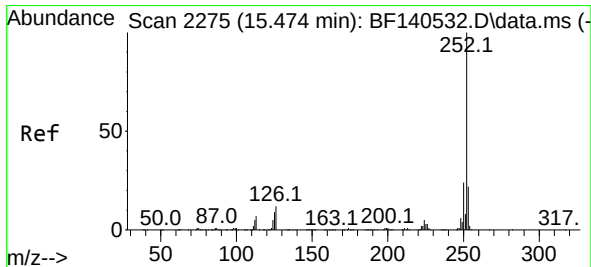
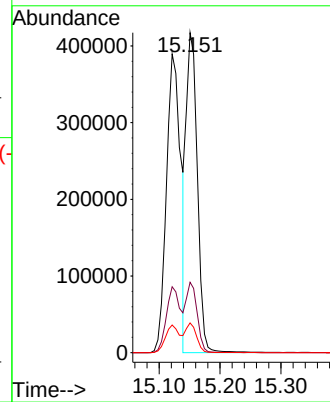
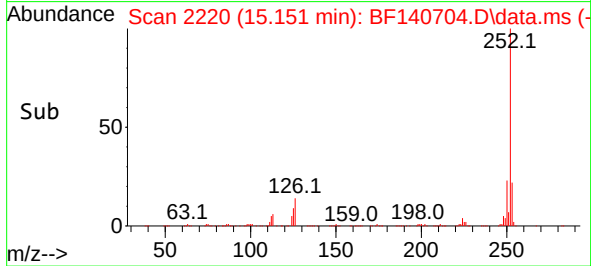
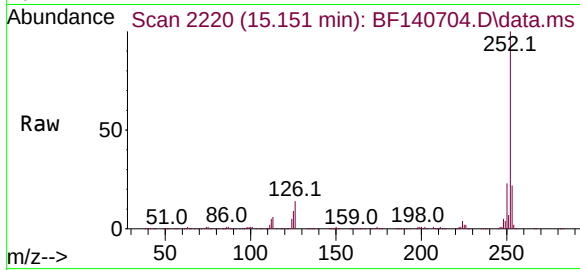
253 22.0 17.5 26.3

125 9.3 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 53.331 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.024 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

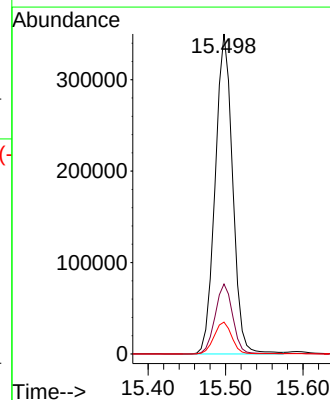
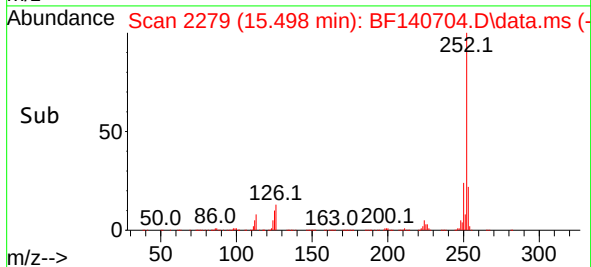
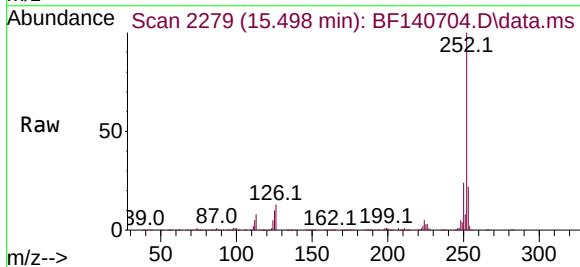
Tgt Ion:252 Resp: 547908

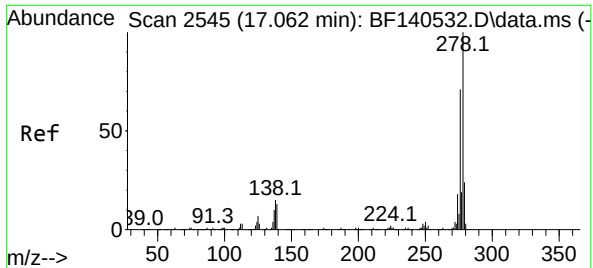
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.0 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 55.055 ng

RT: 17.092 min Scan# 2550

Delta R.T. 0.029 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

Instrument :

BNA_F

ClientSampleId :

PB165312BS

Tgt Ion:278 Resp: 59109

Ion Ratio Lower Upper

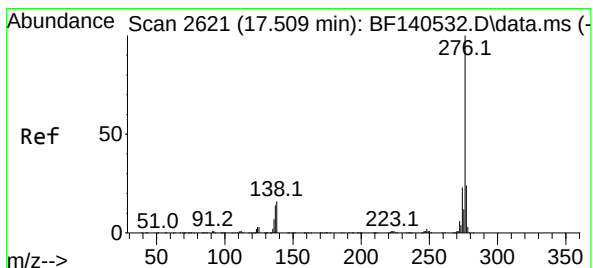
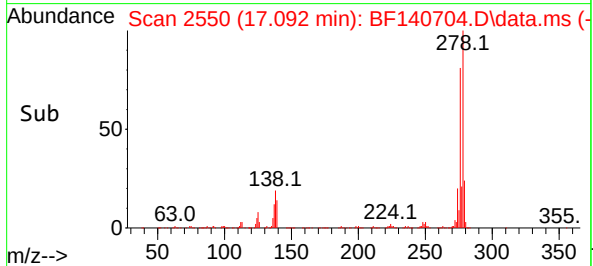
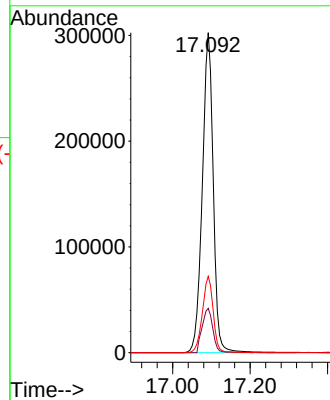
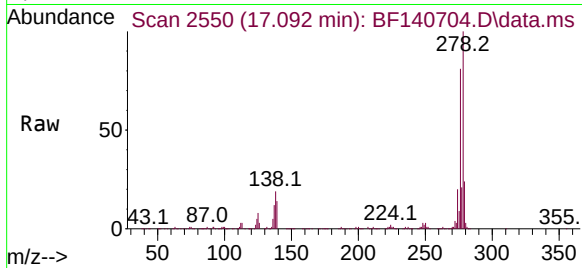
278 100

139 13.9 10.2 15.4

279 23.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#92

Benzo(g,h,i)perylene

Concen: 51.299 ng

RT: 17.539 min Scan# 2626

Delta R.T. 0.029 min

Lab File: BF140704.D

Acq: 03 Dec 2024 12:22

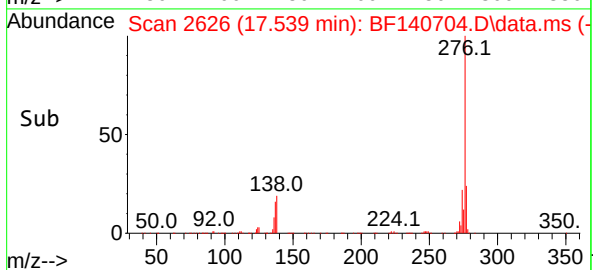
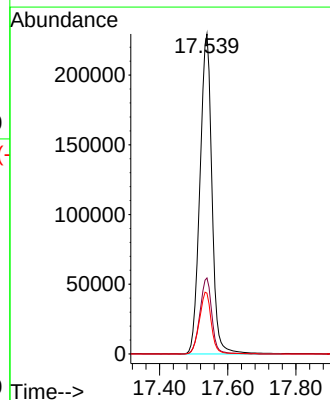
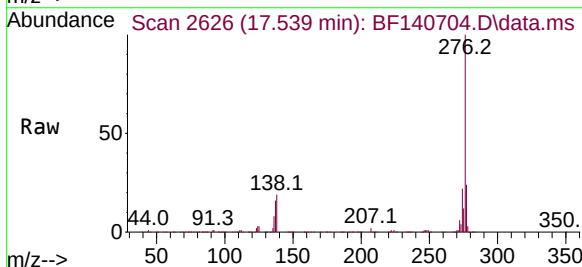
Tgt Ion:276 Resp: 562024

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 19.0 13.2 19.8



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAMMS	SDG No.:	P5026
Lab Sample ID:	P5026-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140697.D	1	12/02/24 09:00	12/02/24 18:57	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1.90		0.11	0.22	mg/Kg
208-96-8	Acenaphthylene	2.10		0.11	0.22	mg/Kg
83-32-9	Acenaphthene	2.00		0.10	0.22	mg/Kg
86-73-7	Fluorene	2.00		0.11	0.22	mg/Kg
85-01-8	Phenanthrene	2.00		0.11	0.22	mg/Kg
120-12-7	Anthracene	2.10		0.11	0.22	mg/Kg
206-44-0	Fluoranthene	2.10		0.10	0.22	mg/Kg
129-00-0	Pyrene	2.00		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	2.10		0.10	0.22	mg/Kg
218-01-9	Chrysene	2.00		0.10	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.10		0.10	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.90		0.11	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	2.20		0.12	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.10		0.10	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.00		0.10	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.90		0.10	0.22	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.7		20 - 109	50%	SPK: 100
1718-51-0	Terphenyl-d14	47.1		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87000		6.869		
1146-65-2	Naphthalene-d8	326000		8.151		
15067-26-2	Acenaphthene-d10	185000		9.91		
1517-22-2	Phenanthrene-d10	361000		11.398		
1719-03-5	Chrysene-d12	215000		14.051		
1520-96-3	Perylene-d12	179000		15.539		

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAMMS	SDG No.:	P5026
Lab Sample ID:	P5026-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140697.D	1	12/02/24 09:00	12/02/24 18:57	PB165312

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\BF120224\
 Data File : BF140697.D
 Acq On : 02 Dec 2024 18:57
 Operator : RC/JU
 Sample : P5026-05MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMS

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Dec 03 00:05:05 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	6.869	152	86982	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	326220	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	185319	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	361245	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215378	20.000	ng	0.00
86) Perylene-d12	15.539	264	179173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	404761	79.397	ng	0.01
7) Phenol-d6	6.510	99	520507	77.231	ng	0.00
23) Nitrobenzene-d5	7.434	82	326875	51.253	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	156373	78.897	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	617867	49.676	ng	-0.01
79) Terphenyl-d14	12.980	244	651465	47.099	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	97314	45.401	ng	96
3) Pyridine	3.481	79	232285	49.254	ng	99
4) n-Nitrosodimethylamine	3.434	42	125835	45.399	ng	93
6) Aniline	6.534	93	202004	42.583	ng	93
8) 2-Chlorophenol	6.663	128	261231	47.630	ng	95
9) Benzaldehyde	6.422	77	92190	25.839	ng	99
10) Phenol	6.528	94	335261	48.710	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	241087	45.774	ng	99
12) 1,3-Dichlorobenzene	6.810	146	270476	43.889	ng	99
13) 1,4-Dichlorobenzene	6.886	146	277935	44.540	ng	100
14) 1,2-Dichlorobenzene	7.039	146	266699	45.612	ng	99
15) Benzyl Alcohol	7.016	79	238550	47.728	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	295947	47.562	ng	90
17) 2-Methylphenol	7.128	107	206380	47.007	ng	97
18) Hexachloroethane	7.381	117	101781	43.672	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	183718	46.124	ng	96
20) 3+4-Methylphenols	7.286	107	270560	47.945	ng	# 88
22) Acetophenone	7.281	105	356828	44.867	ng	98
24) Nitrobenzene	7.451	77	282479	42.855	ng	98
25) Isophorone	7.692	82	495522	46.583	ng	99
26) 2-Nitrophenol	7.769	139	138912	47.555	ng	96
27) 2,4-Dimethylphenol	7.804	122	206467m	59.075	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	298103	46.001	ng	99
29) 2,4-Dichlorophenol	8.016	162	223268	48.210	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	227995	43.118	ng	99
31) Naphthalene	8.175	128	752162	44.763	ng	99
32) Benzoic acid	7.945	122	110420	38.058	ng	98
33) 4-Chloroaniline	8.228	127	88445	17.580	ng	98
34) Hexachlorobutadiene	8.286	225	147954	42.244	ng	99
35) Caprolactam	8.598	113	70253m	49.019	ng	
36) 4-Chloro-3-methylphenol	8.716	107	249424	48.104	ng	100
37) 2-Methylnaphthalene	8.863	142	496414	46.513	ng	100
38) 1-Methylnaphthalene	8.963	142	461372	44.102	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	241508	44.516	ng	99
41) Hexachlorocyclopentadiene	9.016	237	193001	151.133	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	154115	45.271	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140697.D
 Acq On : 02 Dec 2024 18:57
 Operator : RC/JU
 Sample : P5026-05MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMS

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Dec 03 00:05:05 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)
44) 2,4,5-Trichlorophenol	9.192	196	168210	45.529	ng	97
46) 1,1'-Biphenyl	9.328	154	631770	45.661	ng	99
47) 2-Chloronaphthalene	9.351	162	472794	45.097	ng	99
48) 2-Nitroaniline	9.457	65	158460	47.089	ng	97
49) Acenaphthylene	9.769	152	778803	49.165	ng	100
50) Dimethylphthalate	9.627	163	570326	46.729	ng	100
51) 2,6-Dinitrotoluene	9.698	165	124988	45.154	ng	94
52) Acenaphthene	9.945	154	468552	46.553	ng	98
53) 3-Nitroaniline	9.869	138	76391	28.217	ng	96
54) 2,4-Dinitrophenol	9.986	184	129635	89.408	ng	92
55) Dibenzofuran	10.116	168	708430	46.145	ng	99
56) 4-Nitrophenol	10.045	139	158869	86.045	ng	95
57) 2,4-Dinitrotoluene	10.104	165	172063	46.771	ng	98
58) Fluorene	10.457	166	575880	46.733	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	145636	51.290	ng	92
60) Diethylphthalate	10.327	149	575157	46.382	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	278573	46.064	ng	99
62) 4-Nitroaniline	10.486	138	133321	46.954	ng	96
63) Azobenzene	10.610	77	595388	50.701	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	95467	51.716	ng	98
66) n-Nitrosodiphenylamine	10.569	169	494813	46.318	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	168456	45.281	ng	96
68) Hexachlorobenzene	11.010	284	190245	44.164	ng	99
69) Atrazine	11.098	200	166080	55.262	ng	100
70) Pentachlorophenol	11.210	266	162158	85.530	ng	98
71) Phenanthrene	11.427	178	822711	47.378	ng	99
72) Anthracene	11.474	178	842789	49.617	ng	100
73) Carbazole	11.633	167	780430	47.760	ng	100
74) Di-n-butylphthalate	11.951	149	905796	48.014	ng	100
75) Fluoranthene	12.616	202	905950	48.052	ng	99
77) Benzidine	12.739	184	210111	33.553	ng	99
78) Pyrene	12.845	202	924020	46.400	ng	100
80) Butylbenzylphthalate	13.457	149	350493	48.856	ng	99
81) Benzo(a)anthracene	14.039	228	690465	48.429	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	113614	26.542	ng	100
83) Chrysene	14.074	228	623612	47.836	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	455784	50.315	ng	100
85) Di-n-octyl phthalate	14.633	149	641952	51.855	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	561222	48.064	ng	99
88) Benzo(b)fluoranthene	15.104	252	563925	50.108	ng	99
89) Benzo(k)fluoranthene	15.133	252	447597	45.449	ng	99
90) Benzo(a)pyrene	15.480	252	474294	51.833	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	457088	47.799	ng	99
92) Benzo(g,h,i)perylene	17.509	276	428277	43.889	ng	98

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

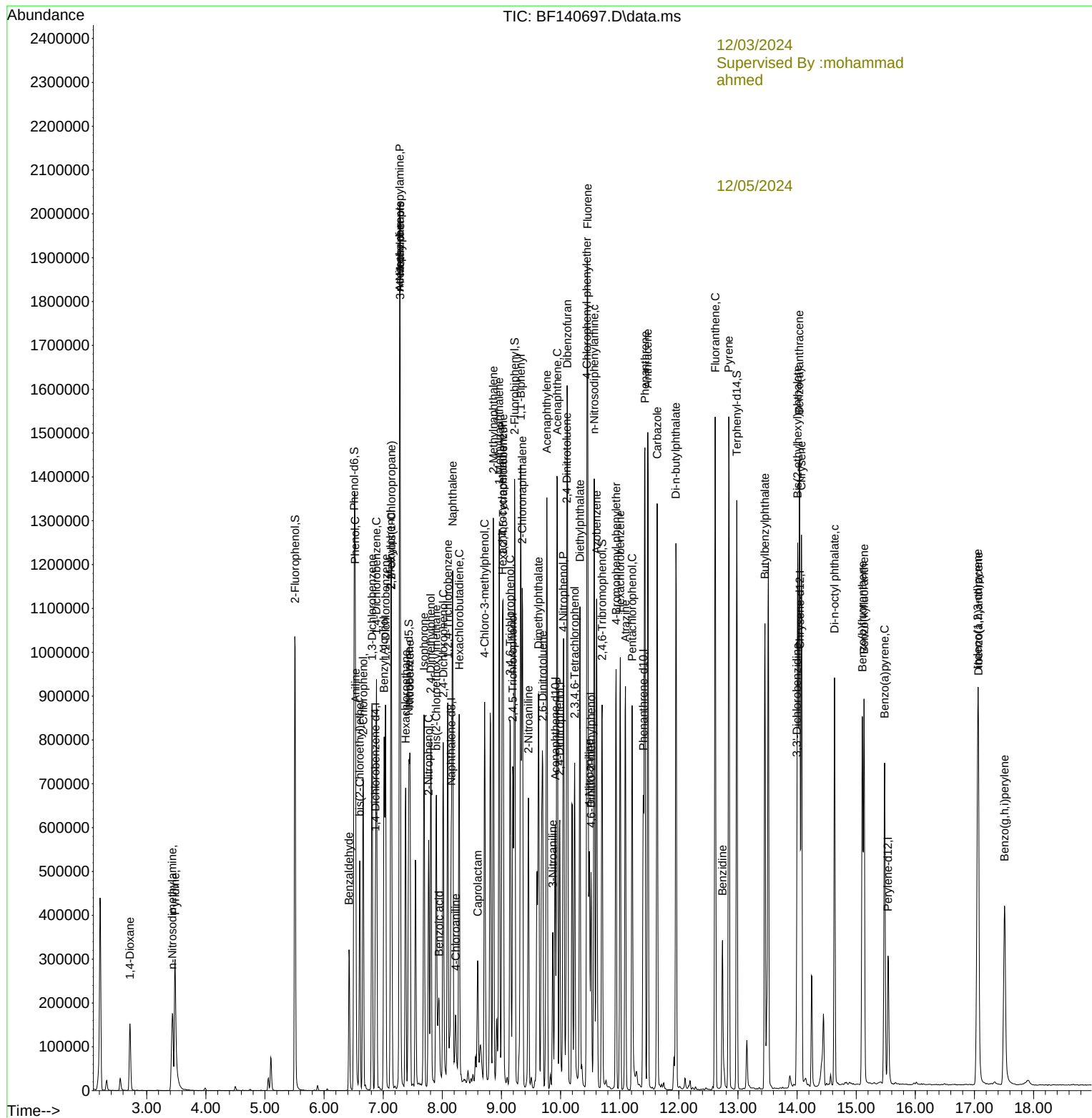
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Data File : BF140697.D  
Acq On    : 02 Dec 2024  18:57  
Operator  : RC/JU  
Sample    : P5026-05MS  
Misc      :  
ALS Vial  : 21    Sample Multiplier: 1
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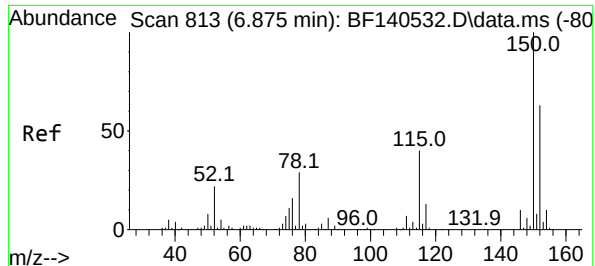
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Manual Integrations

Reviewed By :Jagrut Upadhyay

Quant Time: Dec 03 00:05:05 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





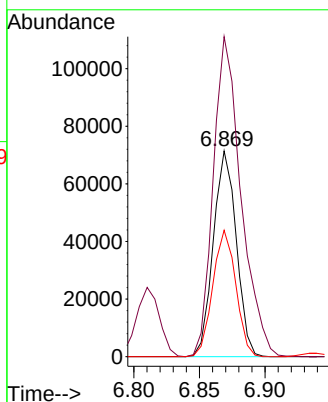
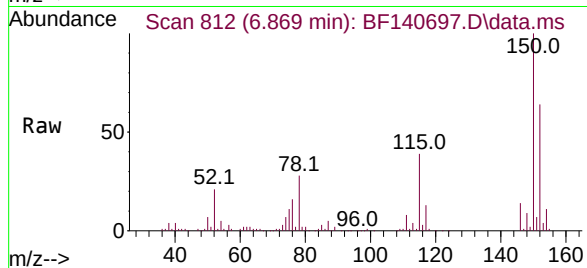
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:152 Resp: 8698
Ion Ratio Lower Upper
152 100
150 155.5 128.5 192.7
115 61.4 50.2 75.4

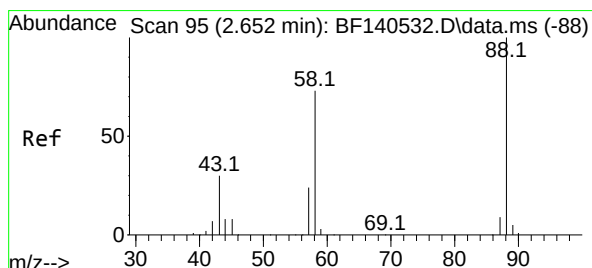
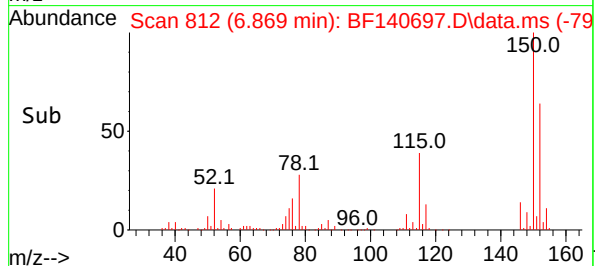
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



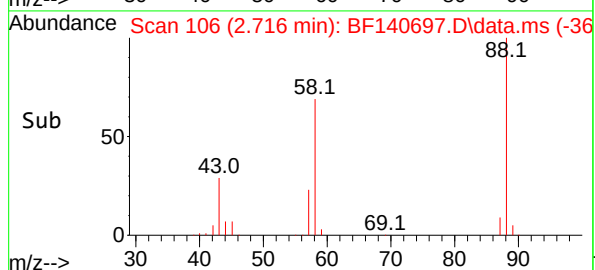
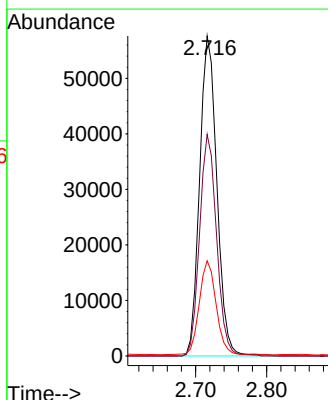
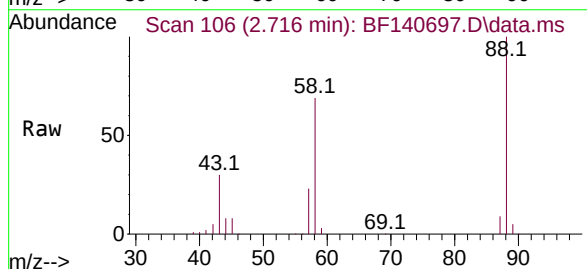
12/03/2024
Supervised By :mohammad
ahmed

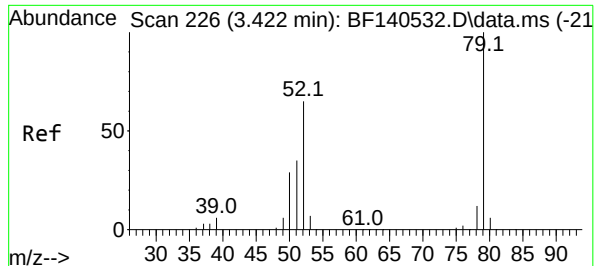
12/05/2024



#2
1,4-Dioxane
Concen: 45.401 ng
RT: 2.716 min Scan# 106
Delta R.T. 0.065 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion: 88 Resp: 97314
Ion Ratio Lower Upper
88 100
58 68.4 57.4 86.2
43 28.4 24.3 36.5





#3

Pyridine

Concen: 49.254 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion: 79 Resp: 23228

Ion Ratio Lower Upper

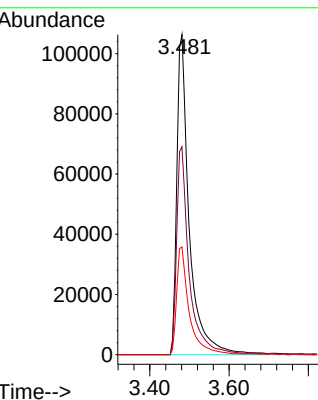
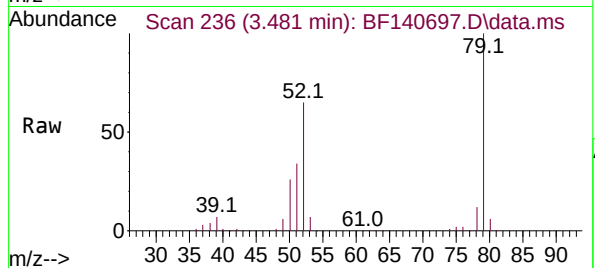
79 100

52 64.9 52.1 78.1

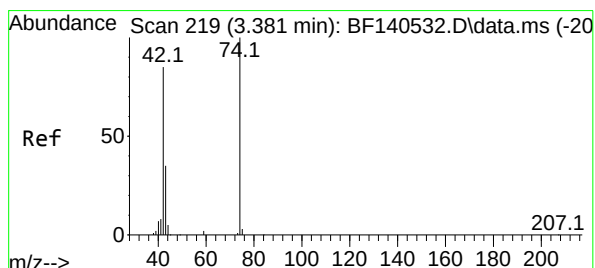
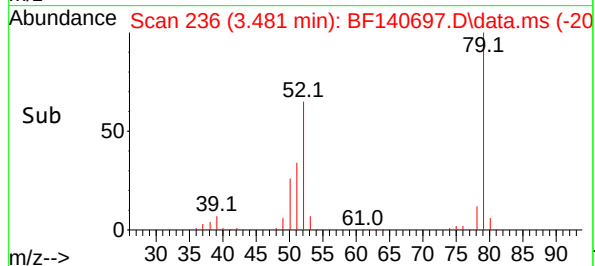
51 33.7 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

12/05/2024



#4

n-Nitrosodimethylamine

Concen: 45.399 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.053 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

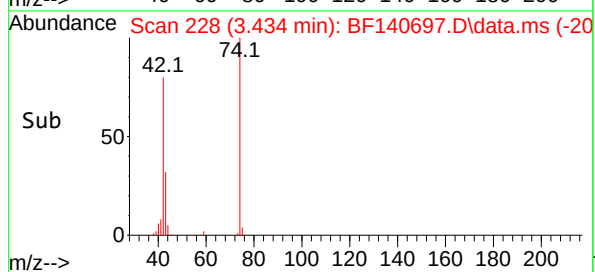
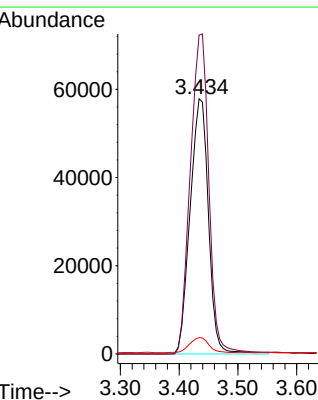
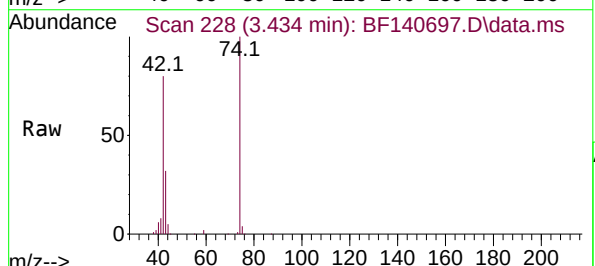
Tgt Ion: 42 Resp: 125835

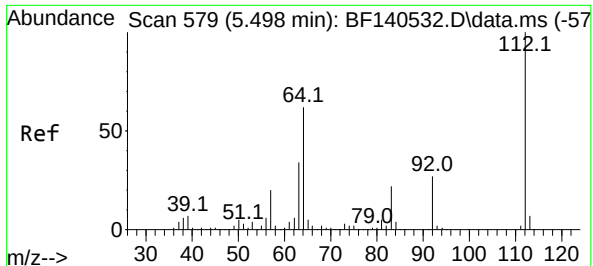
Ion Ratio Lower Upper

42 100

74 124.9 93.8 140.6

44 6.4 4.6 6.8





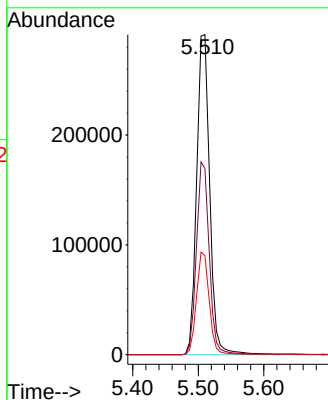
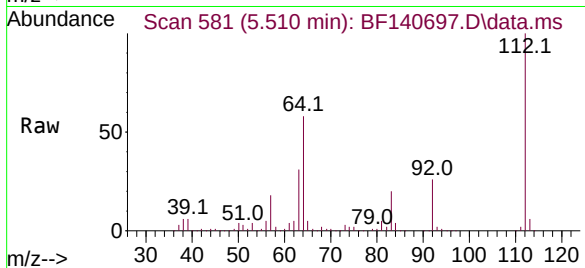
#5
2-Fluorophenol
Concen: 79.397 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:112 Resp: 40476
Ion Ratio Lower Upper
112 100
64 58.2 49.2 73.8
63 30.9 27.0 40.4

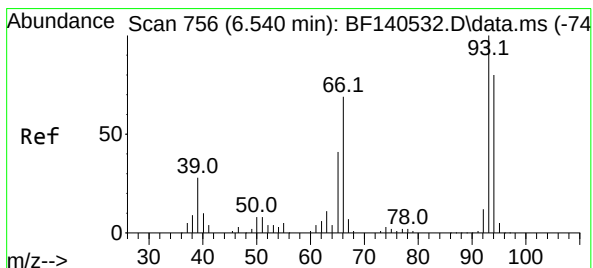
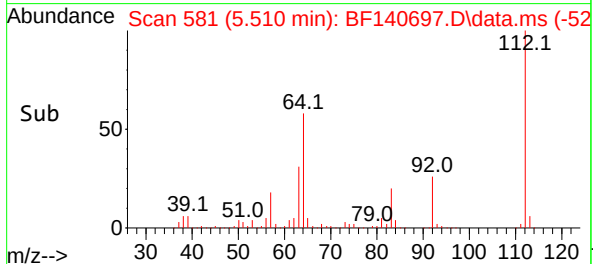
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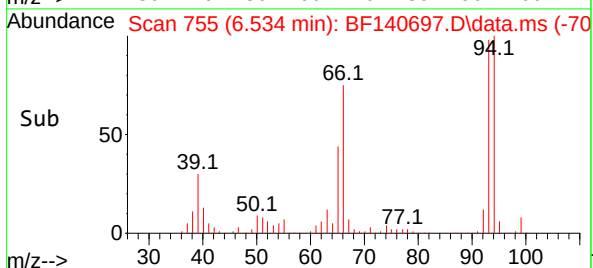
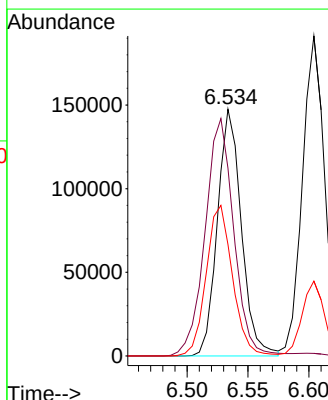
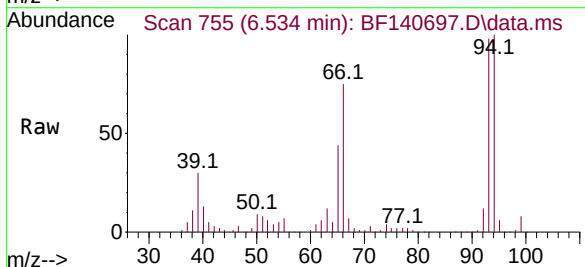
12/03/2024
Supervised By :mohammad
ahmed

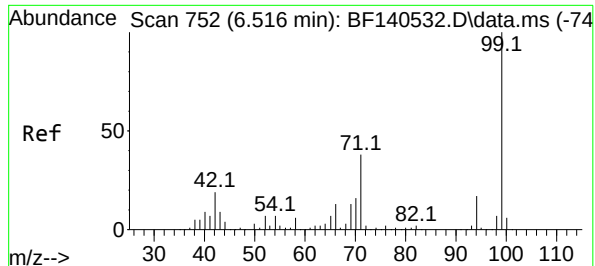
12/05/2024



#6
Aniline
Concen: 42.583 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

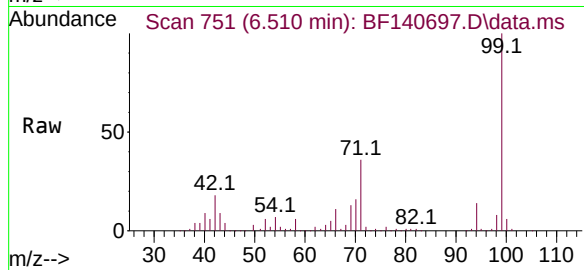
Tgt Ion: 93 Resp: 202004
Ion Ratio Lower Upper
93 100
66 76.1 56.5 84.7
65 45.2 32.9 49.3





#7
Phenol-d6
Concen: 77.231 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

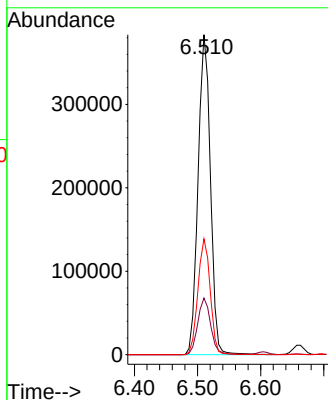
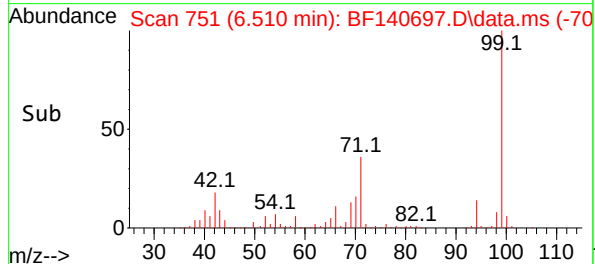
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion: 99 Resp: 52050
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 36.2 30.6 46.0

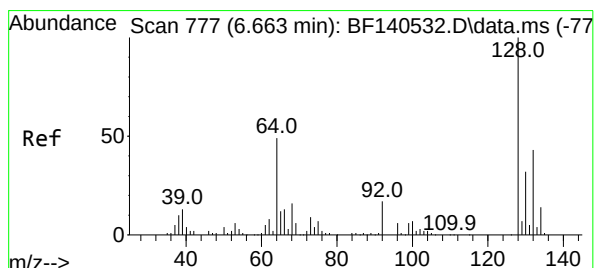
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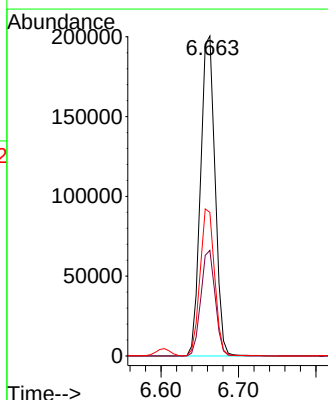
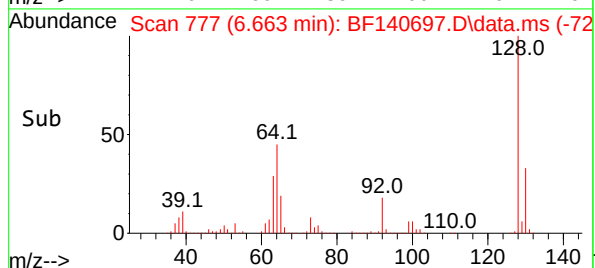
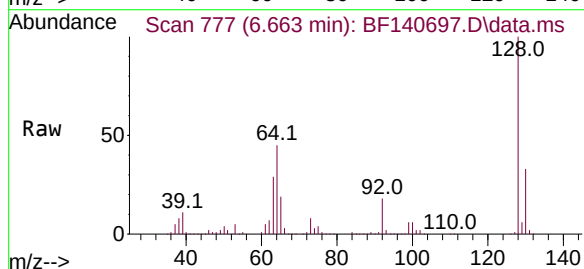
12/03/2024
Supervised By :mohammad
ahmed

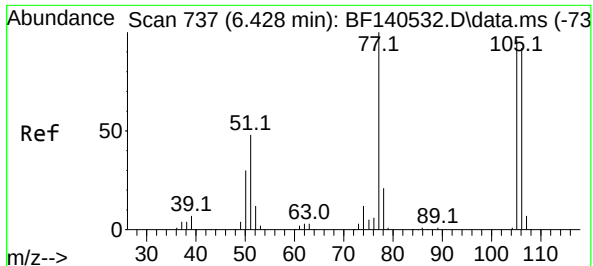
12/05/2024



#8
2-Chlorophenol
Concen: 47.630 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

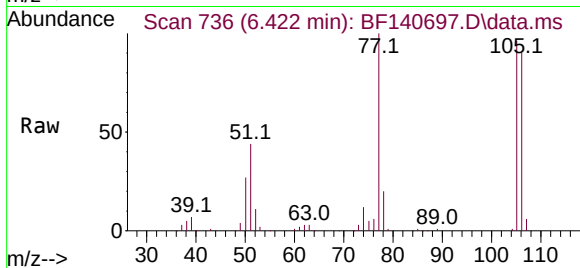
Tgt Ion:128 Resp: 261231
Ion Ratio Lower Upper
128 100
130 33.0 12.3 52.3
64 44.9 30.2 70.2





#9
Benzaldehyde
Concen: 25.839 ng
RT: 6.422 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

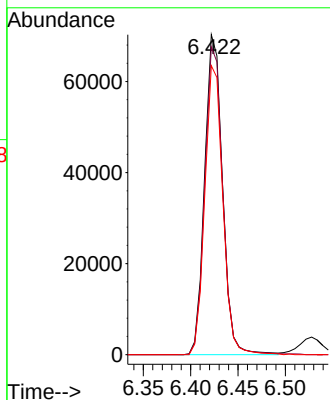
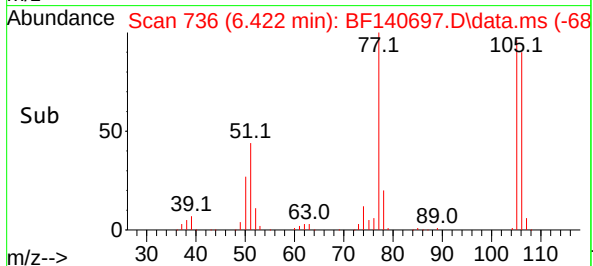
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion: 77 Resp: 92190
Ion Ratio Lower Upper
77 100
105 96.2 75.6 115.6
106 90.3 72.0 112.0

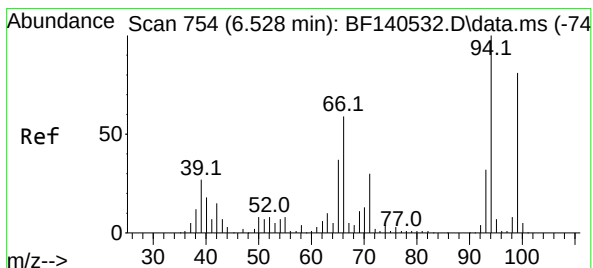
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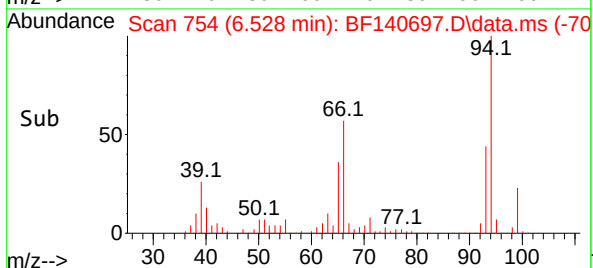
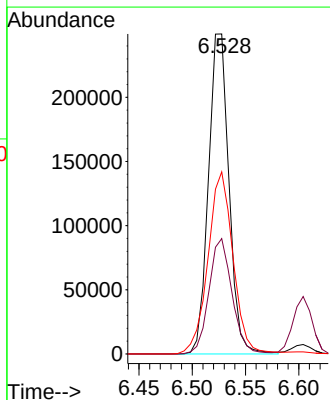
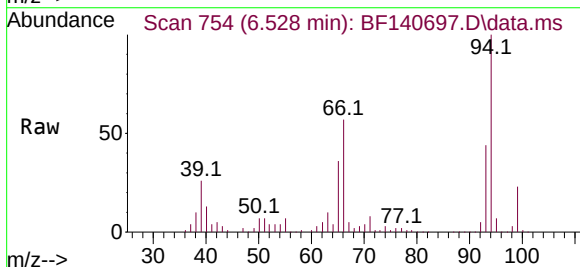
12/03/2024
Supervised By :mohammad
ahmed

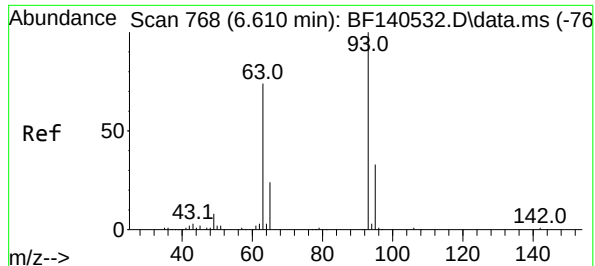
12/05/2024



#10
Phenol
Concen: 48.710 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

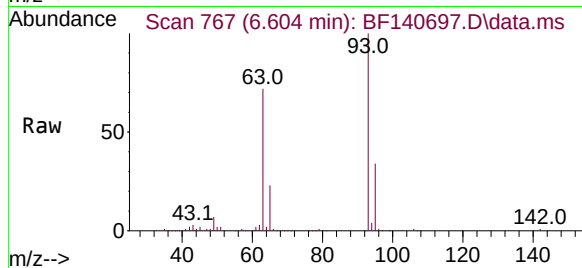
Tgt Ion: 94 Resp: 335261
Ion Ratio Lower Upper
94 100
65 36.1 17.2 57.2
66 56.9 39.2 79.2





#11
bis(2-Chloroethyl)ether
Concen: 45.774 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

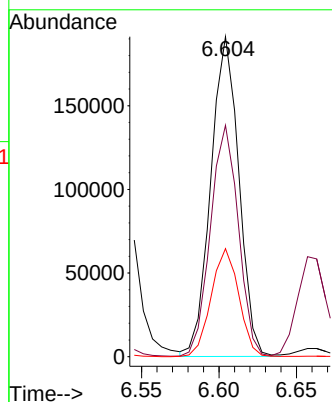
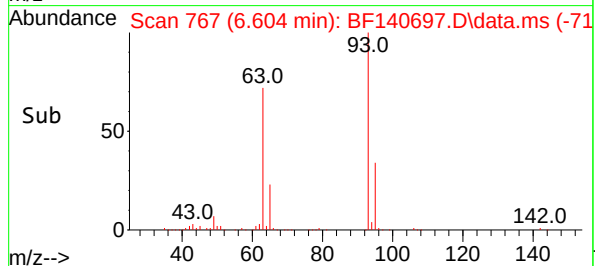
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion: 93 Resp: 24108
Ion Ratio Lower Upper
93 100
63 72.3 52.8 92.8
95 33.8 12.3 52.3

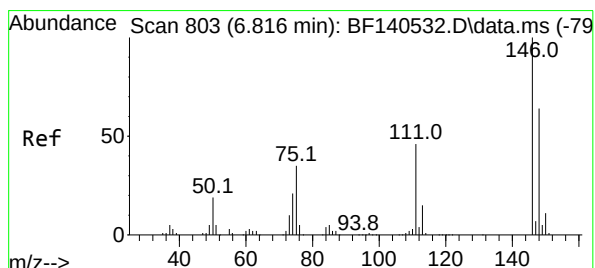
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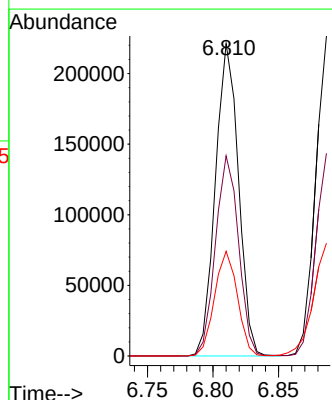
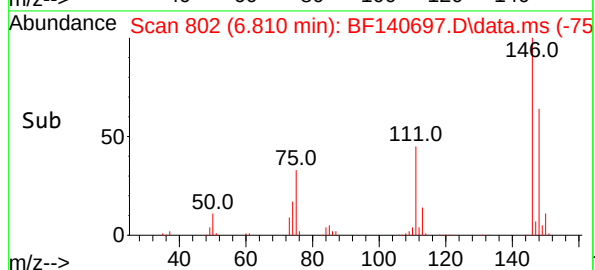
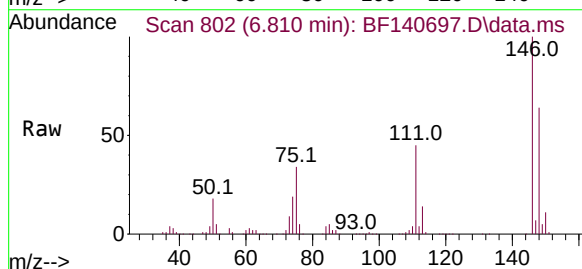
12/03/2024
Supervised By :mohammad
ahmed

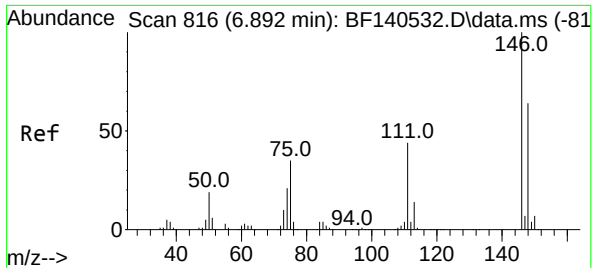
12/05/2024



#12
1,3-Dichlorobenzene
Concen: 43.889 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:146 Resp: 270476
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 33.5 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 44.540 ng

RT: 6.886 min Scan# 816

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:146 Resp: 27793

Ion Ratio Lower Upper

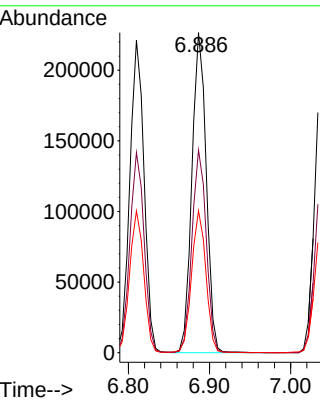
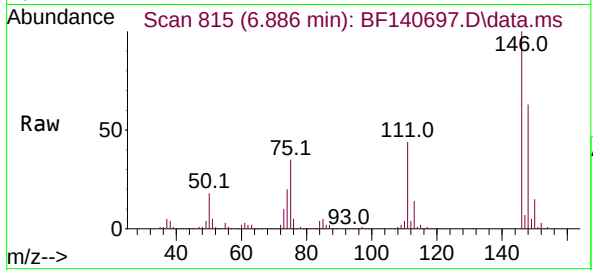
146 100

148 63.4 51.0 76.6

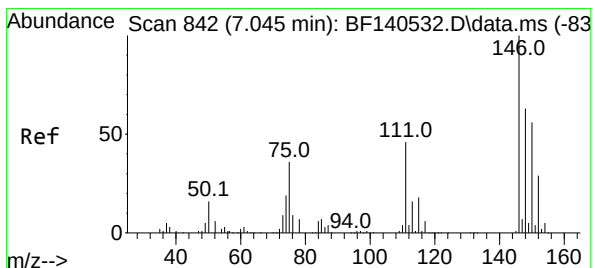
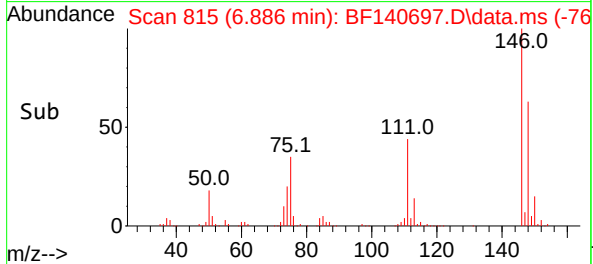
111 44.3 35.3 52.9

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Upadhyay12/03/2024
Supervised By :mohammad
ahmed

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#14

1,2-Dichlorobenzene

Concen: 45.612 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

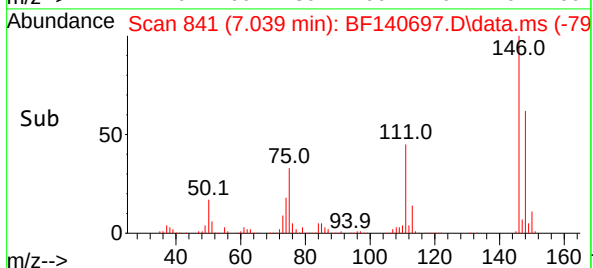
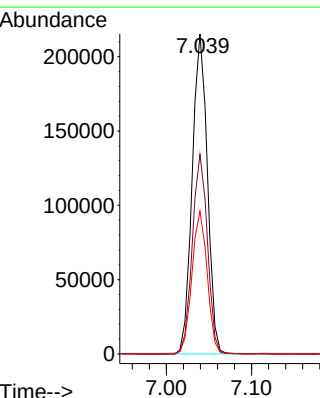
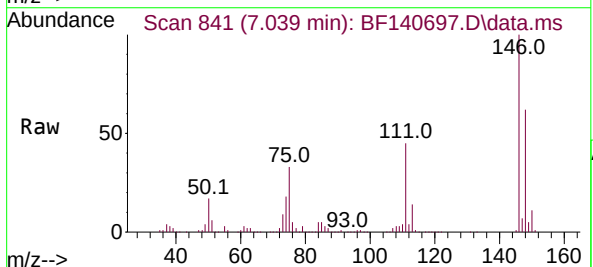
Tgt Ion:146 Resp: 266699

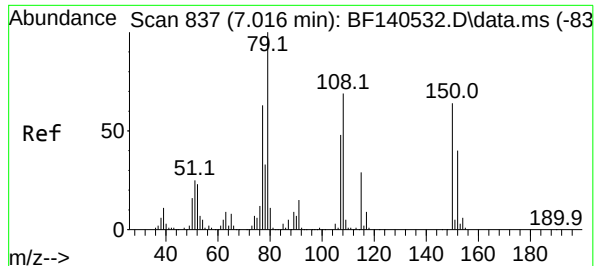
Ion Ratio Lower Upper

146 100

148 62.3 50.5 75.7

111 44.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 47.728 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion: 79 Resp: 238550

Ion Ratio Lower Upper

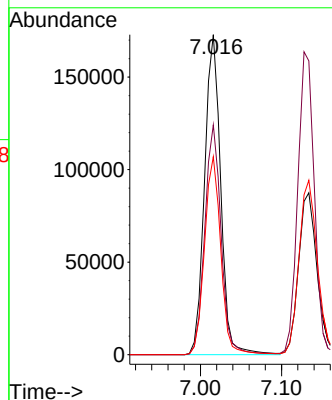
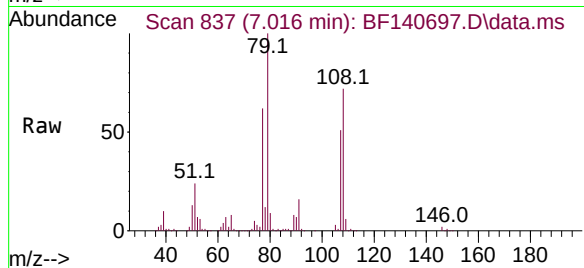
79 100

108 71.8 55.0 82.6

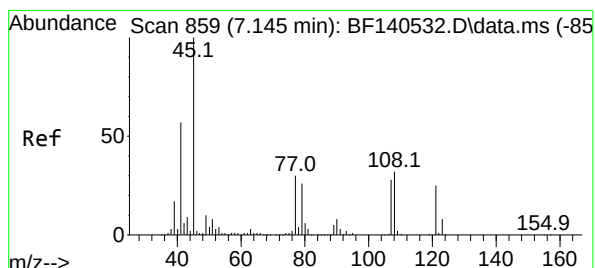
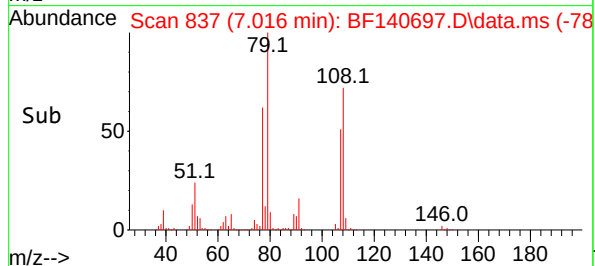
77 61.8 50.1 75.1

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Supervised By :mohammad
ahmed

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.562 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

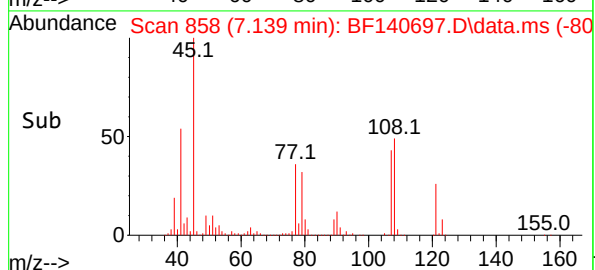
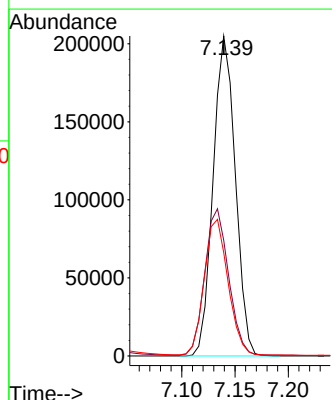
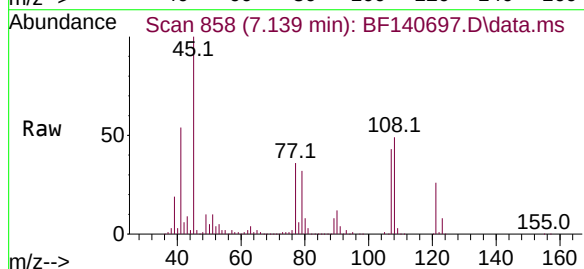
Tgt Ion: 45 Resp: 295947

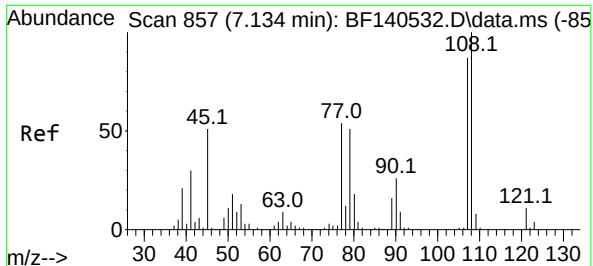
Ion Ratio Lower Upper

45 100

77 36.2 10.7 50.7

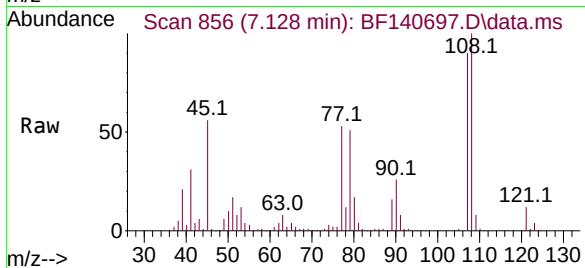
79 32.3 7.0 47.0





#17
2-Methylphenol
Concen: 47.007 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

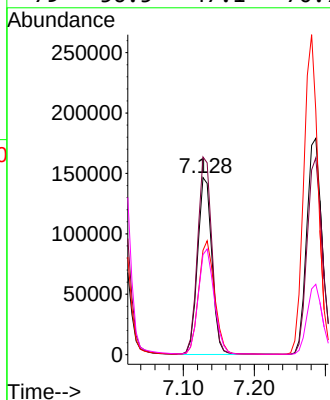
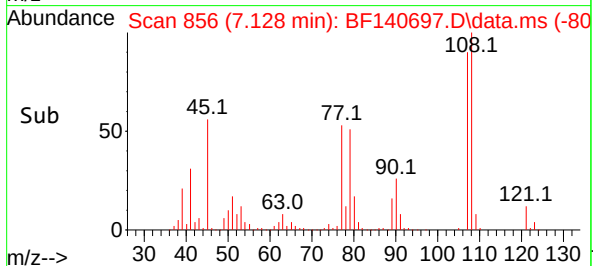
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:107 Resp: 206380
Ion Ratio Lower Upper
107 100
108 111.7 91.7 137.5
77 58.9 49.3 73.9
79 56.5 47.1 70.7

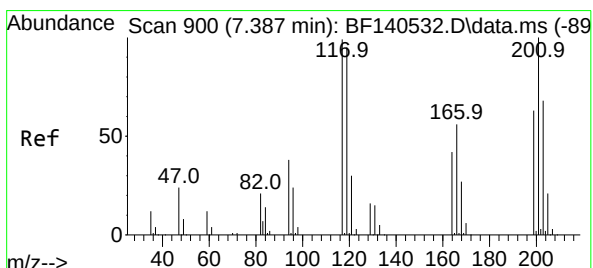
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Upadhyay



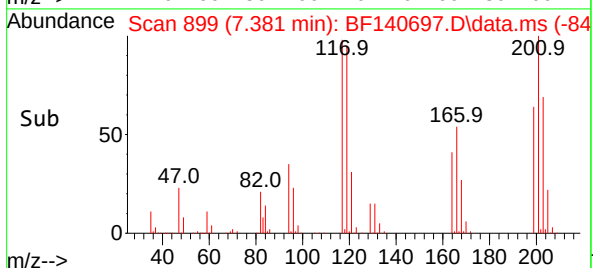
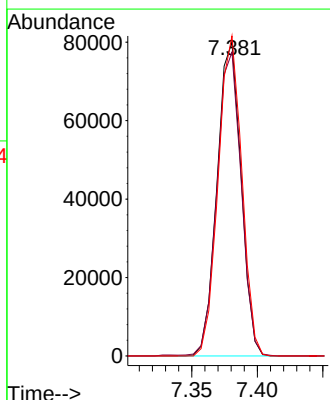
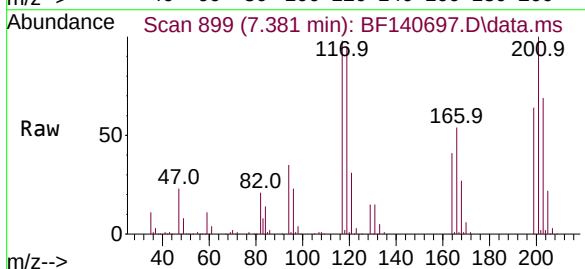
12/03/2024
Supervised By :mohammad
ahmed

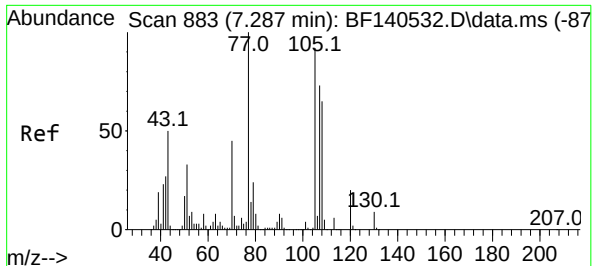
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#18
Hexachloroethane
Concen: 43.672 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:117 Resp: 101781
Ion Ratio Lower Upper
117 100
119 96.9 77.1 115.7
201 102.0 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 46.124 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140697.D

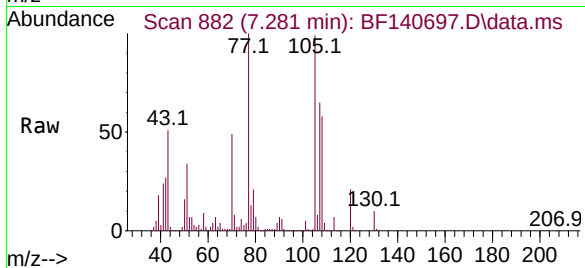
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS



Tgt Ion: 70 Resp: 183718

Ion Ratio Lower Upper

70 100

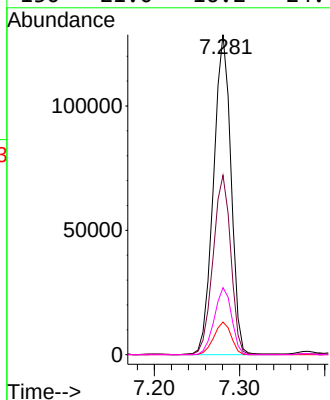
42 56.1 47.6 71.4

101 10.2 7.6 11.4

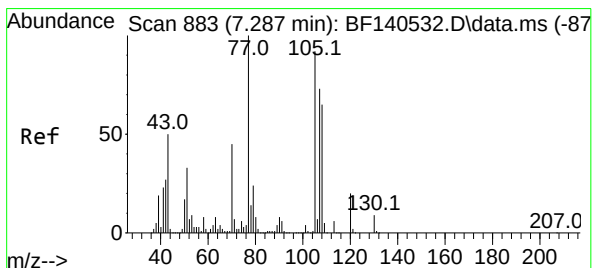
130 21.0 16.2 24.4

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Upadhyay12/03/2024
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#20

3+4-Methylphenols

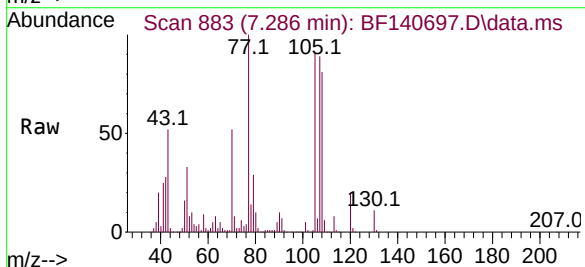
Concen: 47.945 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57



Tgt Ion:107 Resp: 270560

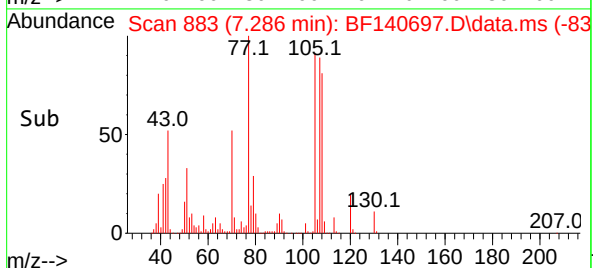
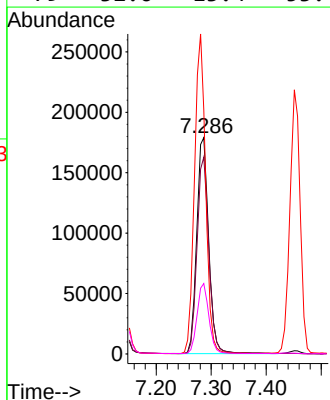
Ion Ratio Lower Upper

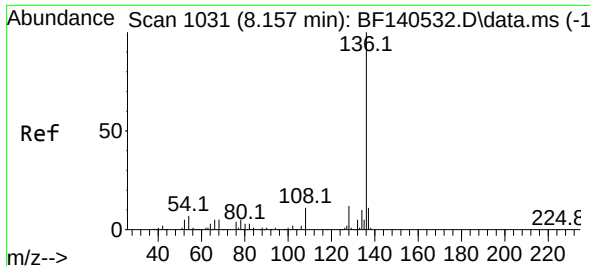
107 100

108 91.0 69.9 109.9

77 112.7 117.7 157.7#

79 32.6 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: BF140697.D

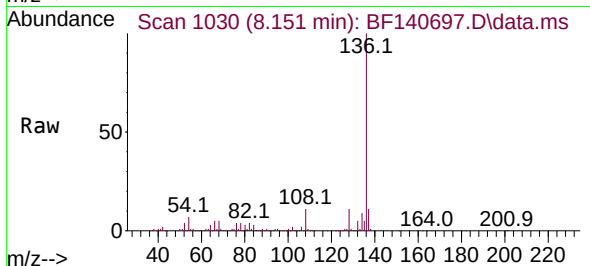
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS



Tgt Ion:136 Resp: 326220

Ion Ratio Lower Upper

136 100

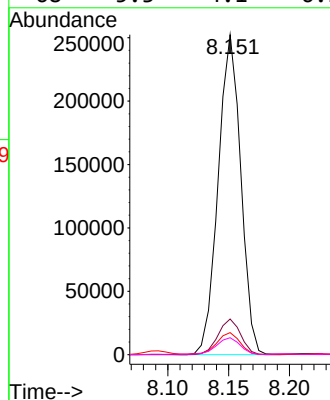
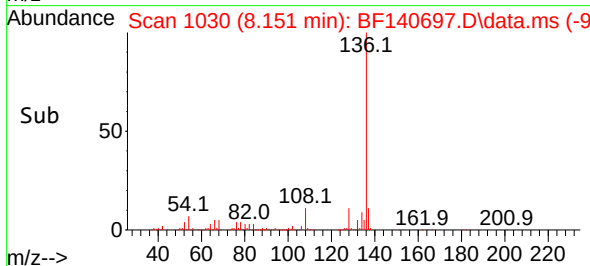
137 11.1 8.6 13.0

54 6.9 5.8 8.8

68 5.3 4.1 6.1

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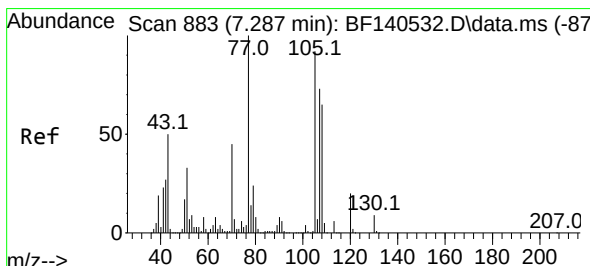
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Reviewed By :Jagrut
Upadhyay

12/03/2024

Supervised By :mohammad
ahmed

12/05/2024



#22

Acetophenone

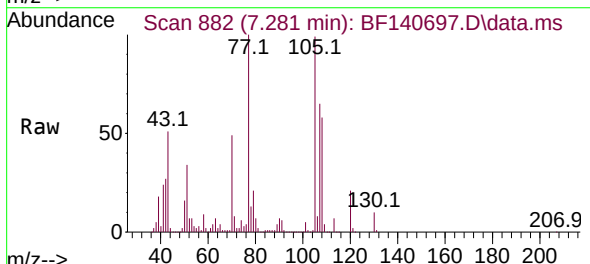
Concen: 44.867 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57



Tgt Ion:105 Resp: 356828

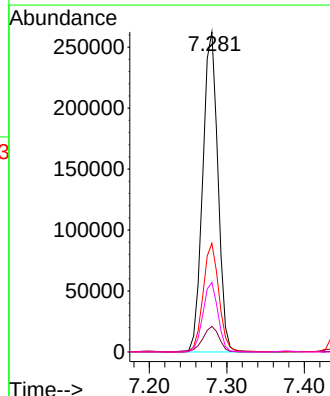
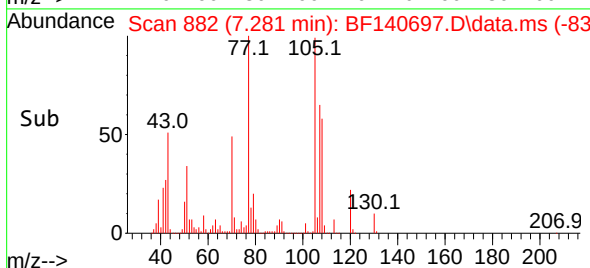
Ion Ratio Lower Upper

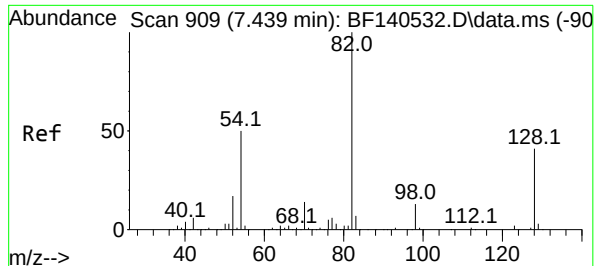
105 100

71 8.0 6.2 9.2

51 34.0 29.0 43.6

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 51.253 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion: 82 Resp: 326879

Ion Ratio Lower Upper

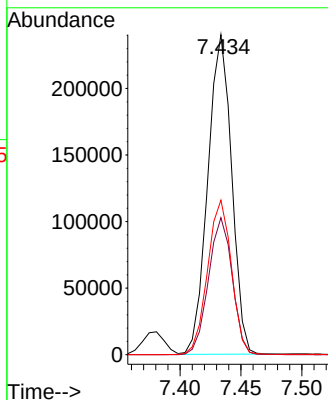
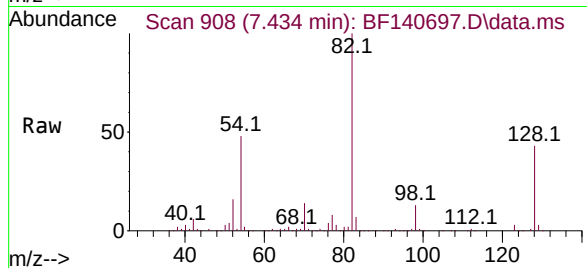
82 100

128 42.8 33.0 49.4

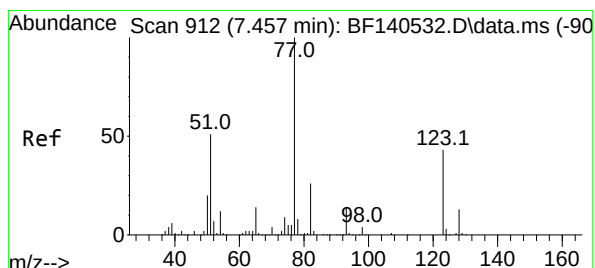
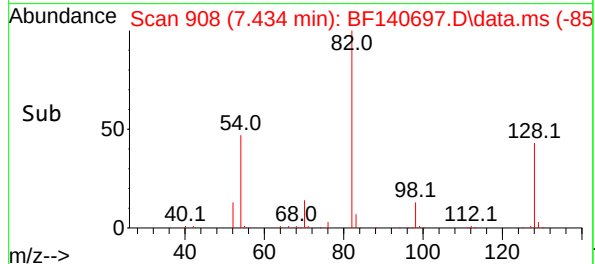
54 48.3 39.5 59.3

Manual Integrations

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Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

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#24

Nitrobenzene

Concen: 42.855 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

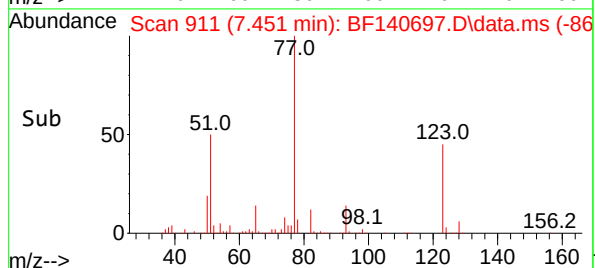
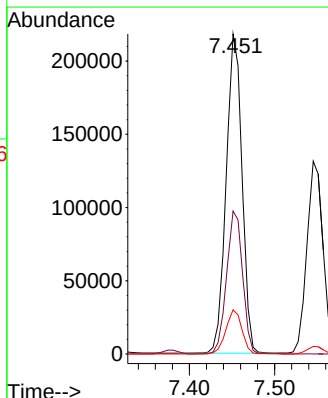
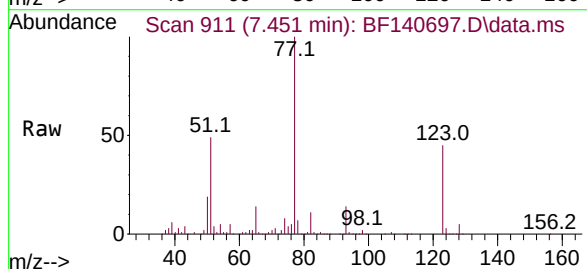
Tgt Ion: 77 Resp: 282479

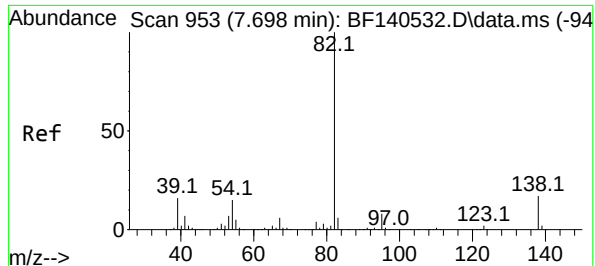
Ion Ratio Lower Upper

77 100

123 44.7 34.3 51.5

65 13.8 11.2 16.8





#25

Isophorone

Concen: 46.583 ng

RT: 7.692 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion: 82 Resp: 49552

Ion Ratio Lower Upper

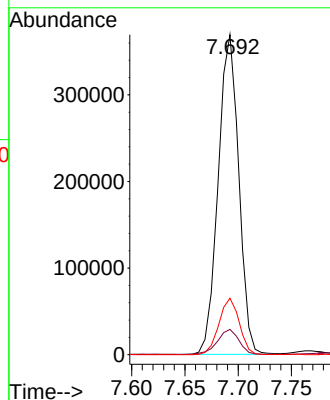
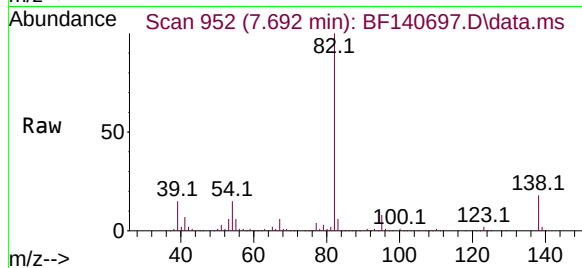
82 100

95 7.9 6.4 9.6

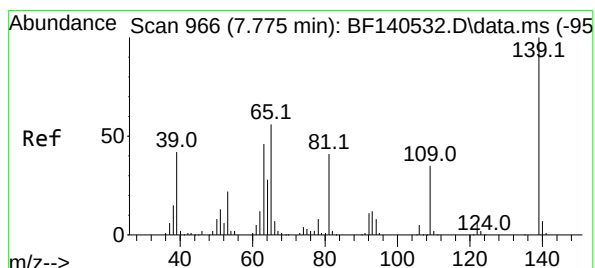
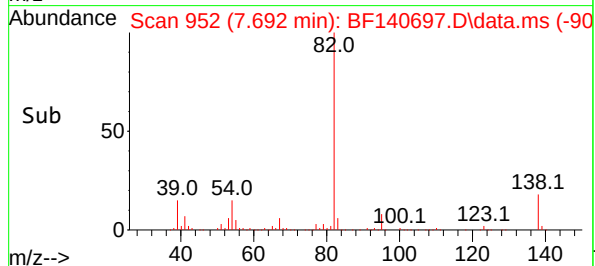
138 17.7 13.8 20.6

Manual Integrations

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Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

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#26

2-Nitrophenol

Concen: 47.555 ng

RT: 7.769 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

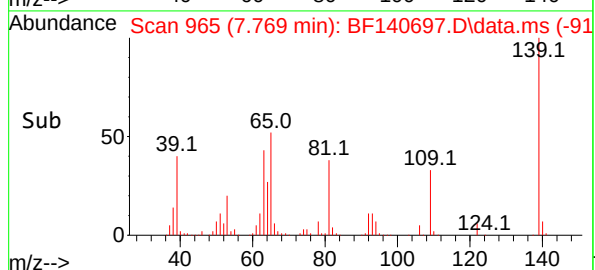
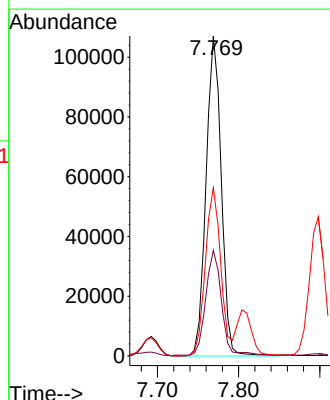
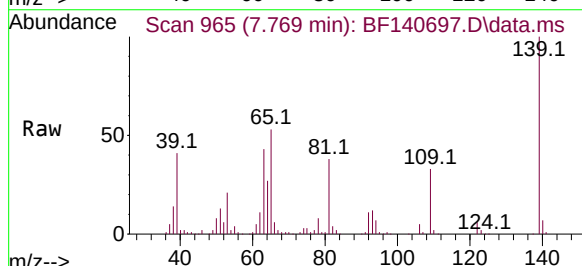
Tgt Ion:139 Resp: 138912

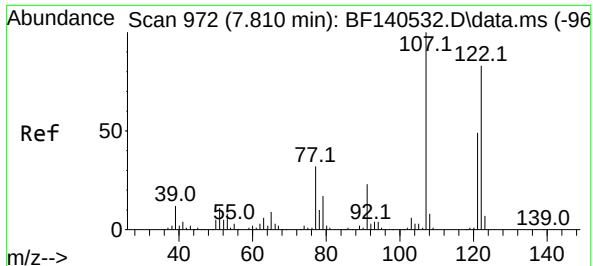
Ion Ratio Lower Upper

139 100

109 33.0 28.0 42.0

65 52.5 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 59.075 ng m

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:122 Resp: 20646

Ion Ratio Lower Upper

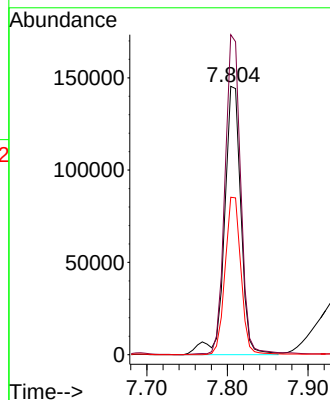
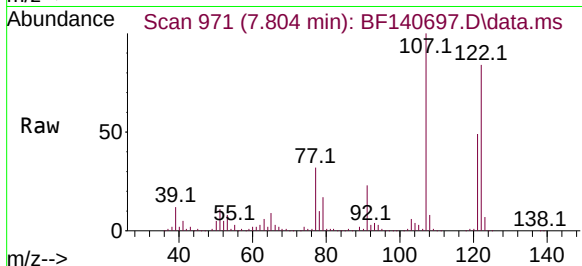
122 100

107 119.3 96.8 145.2

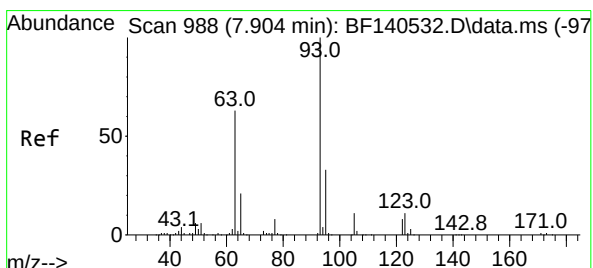
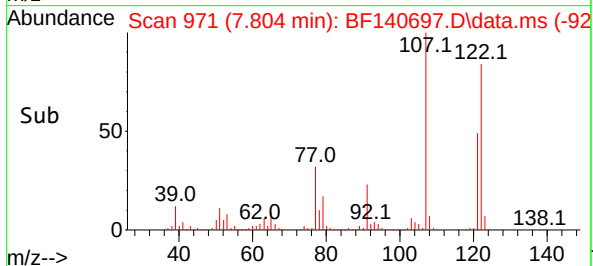
121 58.7 47.4 71.0

Manual Integrations

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Supervised By :mohammad
ahmed

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#28

bis(2-Chloroethoxy)methane

Concen: 46.001 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

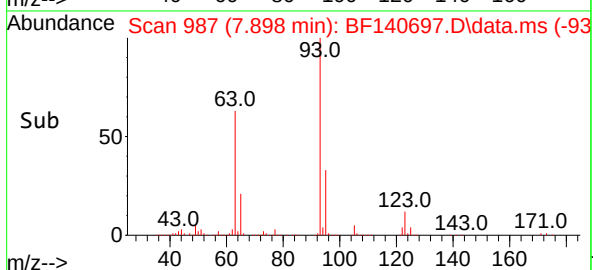
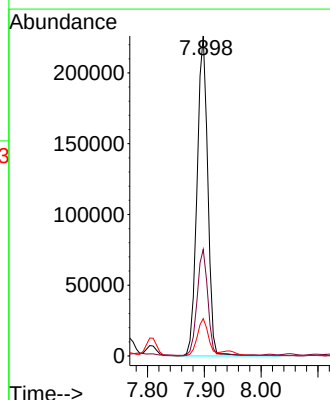
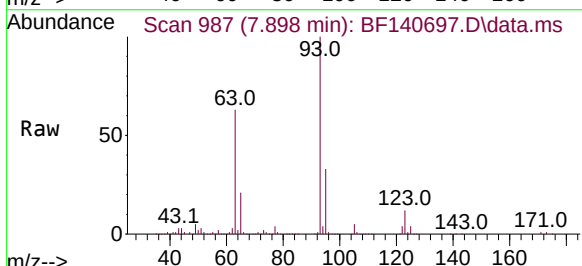
Tgt Ion: 93 Resp: 298103

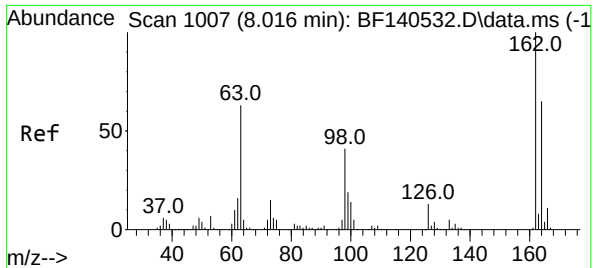
Ion Ratio Lower Upper

93 100

95 33.3 26.1 39.1

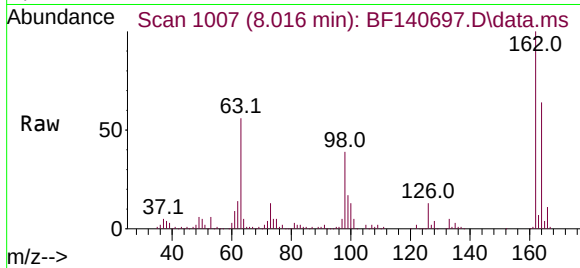
123 11.6 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 48.210 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

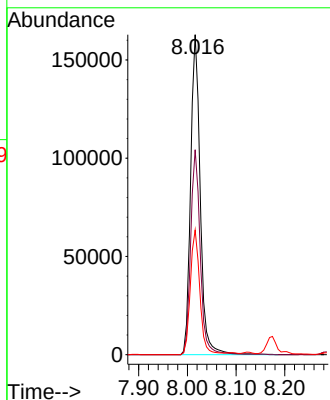
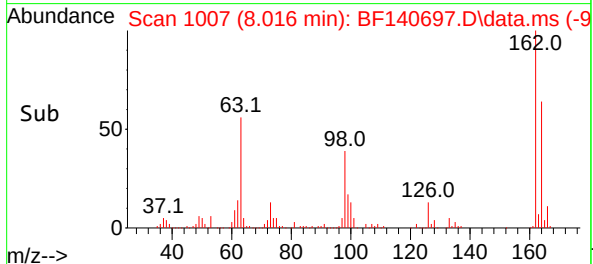
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:162 Resp: 223268
Ion Ratio Lower Upper
162 100
164 64.0 44.8 84.8
98 38.9 21.2 61.2

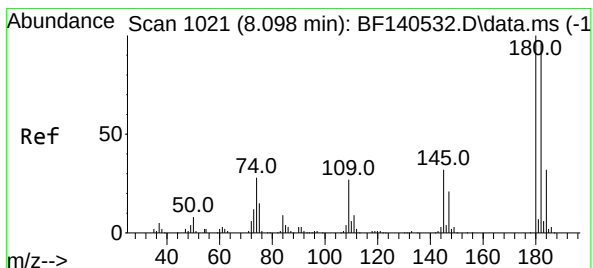
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Reviewed By :Jagrut
Upadhyay

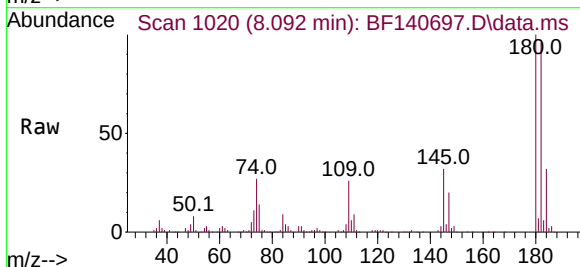


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ahmed

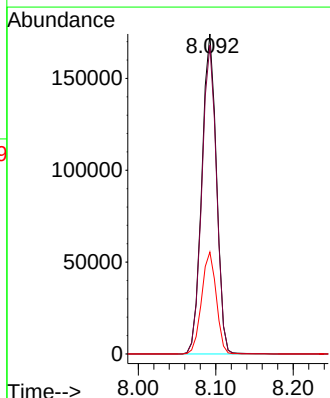
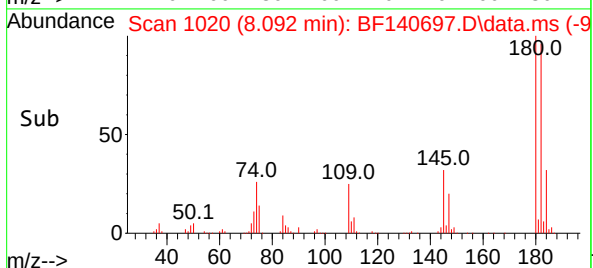
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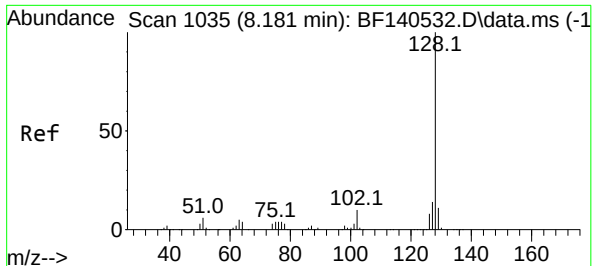


#30
1,2,4-Trichlorobenzene
Concen: 43.118 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



Tgt Ion:180 Resp: 227995
Ion Ratio Lower Upper
180 100
182 96.4 76.4 114.6
145 31.9 25.9 38.9





#31

Naphthalene

Concen: 44.763 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:128 Resp: 75216

Ion Ratio Lower Upper

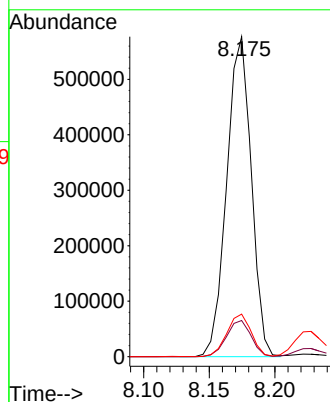
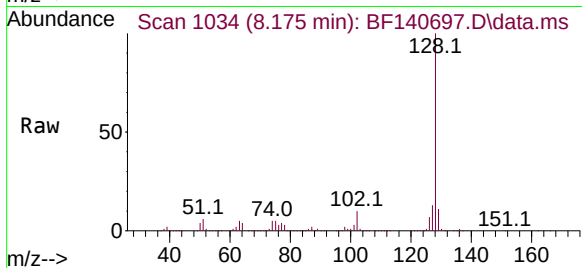
128 100

129 11.3 8.6 13.0

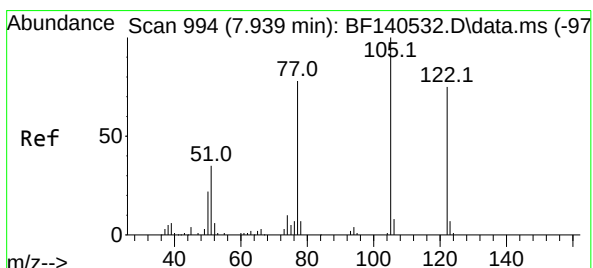
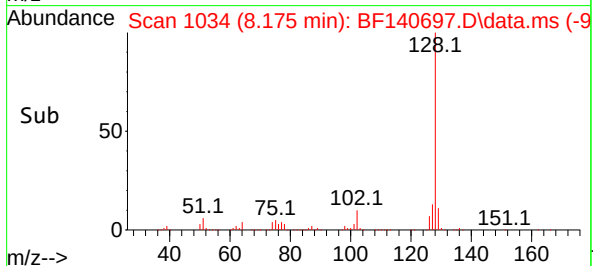
127 13.3 10.8 16.2

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Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

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#32

Benzoic acid

Concen: 38.058 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

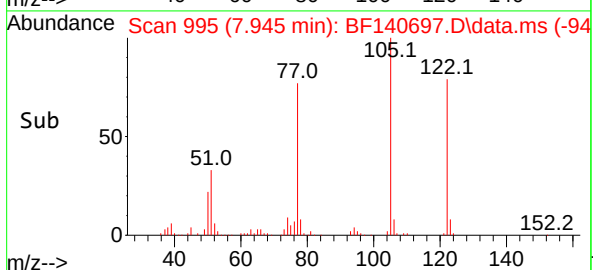
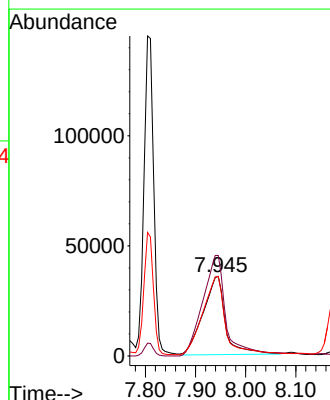
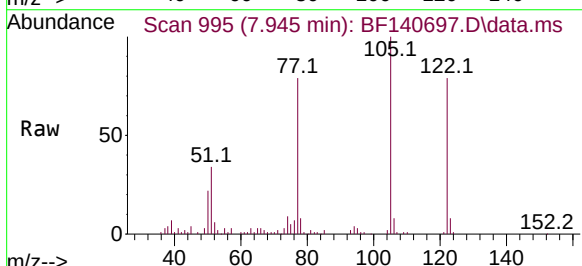
Tgt Ion:122 Resp: 110420

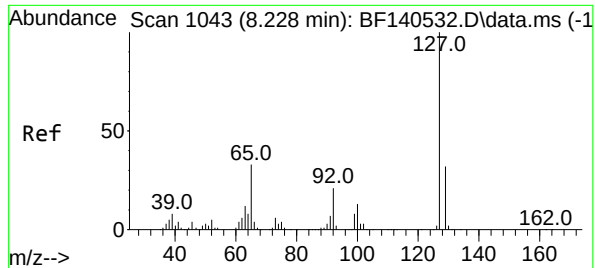
Ion Ratio Lower Upper

122 100

105 126.4 109.3 149.3

77 100.0 82.3 122.3





#33

4-Chloroaniline

Concen: 17.580 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

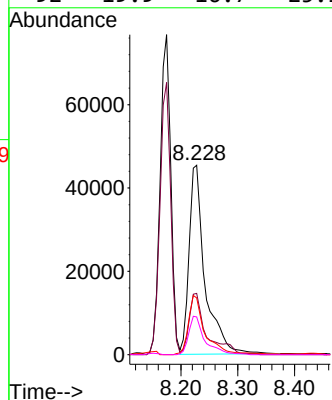
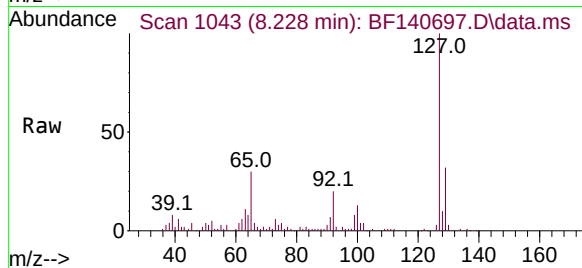
Instrument :

BNA_F

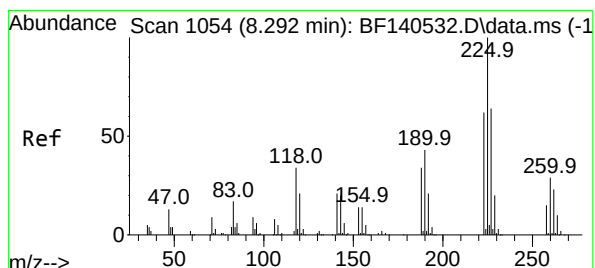
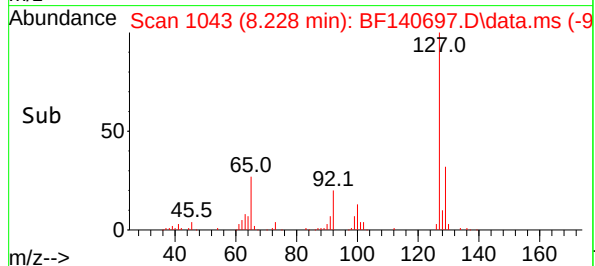
ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:	127	Resp:	8844
Ion Ratio	Lower	Upper	
127	100		
129	32.3	26.0	39.0
65	30.0	26.0	39.0
92	19.9	16.7	25.1

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Supervised By :mohammad
ahmed

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#34

Hexachlorobutadiene

Concen: 42.244 ng

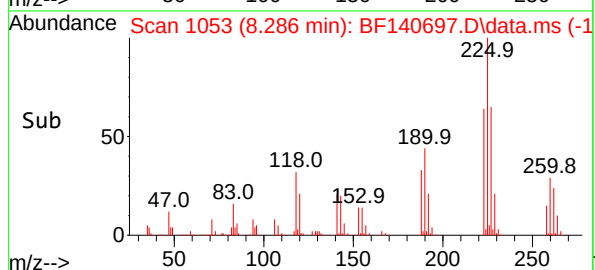
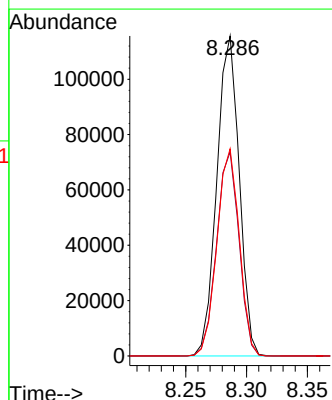
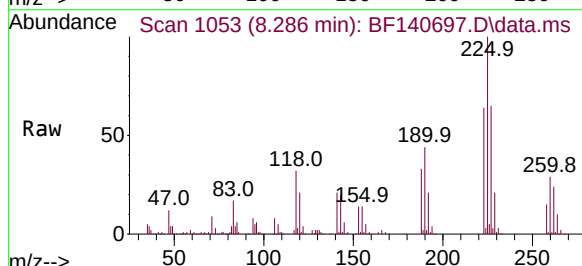
RT: 8.286 min Scan# 1053

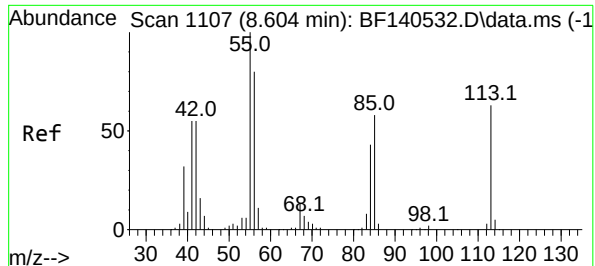
Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Tgt Ion:	225	Resp:	147954
Ion Ratio	Lower	Upper	
225	100		
223	63.8	49.8	74.8
227	64.8	51.3	76.9





#35

Caprolactam

Concen: 49.019 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:113 Resp: 7025

Ion Ratio Lower Upper

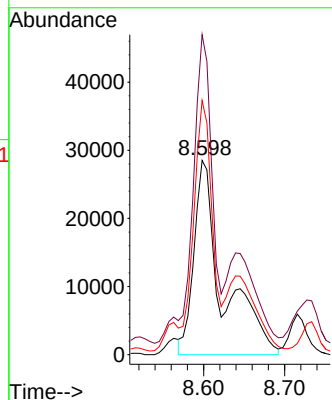
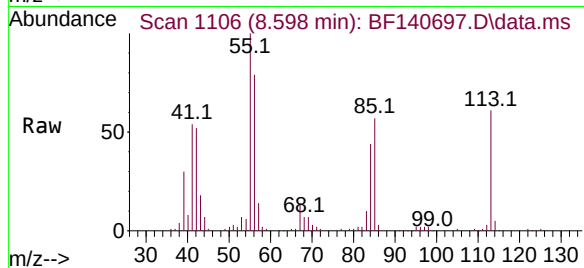
113 100

55 164.7 137.7 177.7

56 130.9 106.4 146.4

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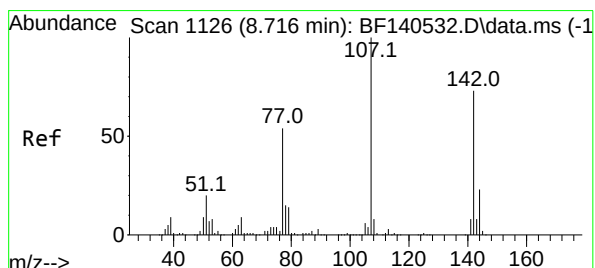
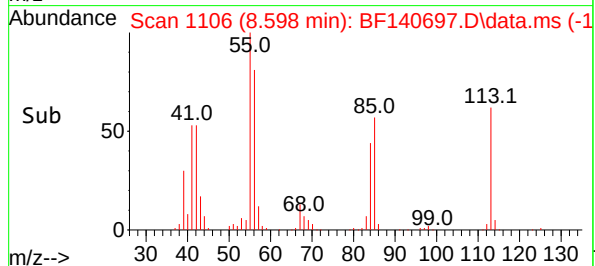
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Reviewed By :Jagrut
Upadhyay

12/03/2024

Supervised By :mohammad
ahmed

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#36

4-Chloro-3-methylphenol

Concen: 48.104 ng

RT: 8.716 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

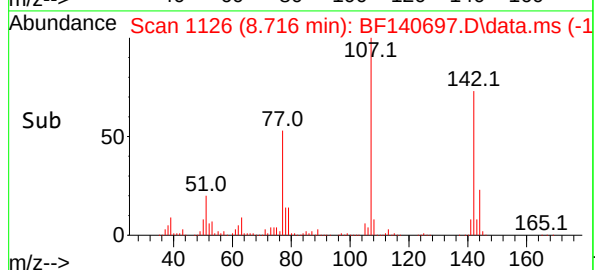
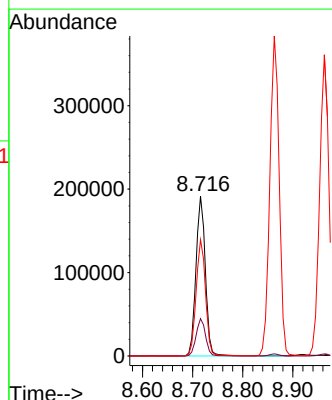
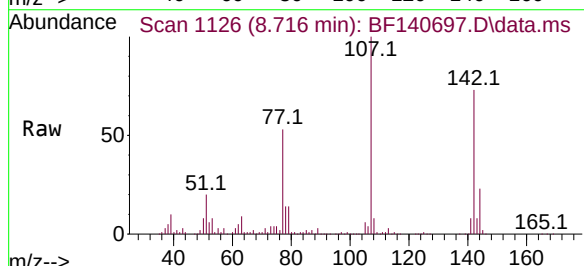
Tgt Ion:107 Resp: 249424

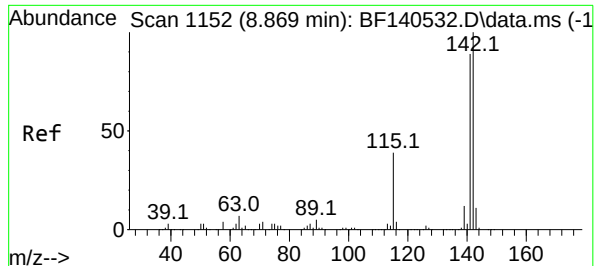
Ion Ratio Lower Upper

107 100

144 23.4 18.7 28.1

142 72.8 58.3 87.5





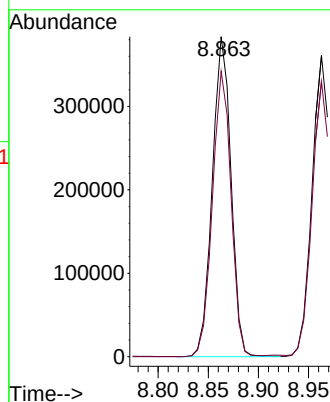
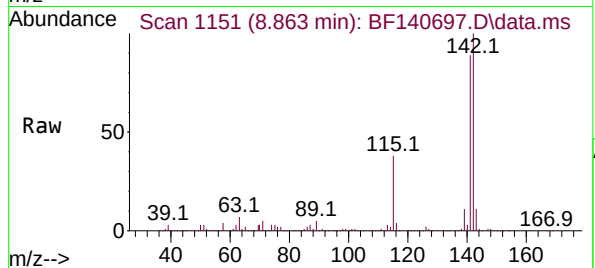
#37
2-Methylnaphthalene
Concen: 46.513 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:142 Resp: 496414
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.6

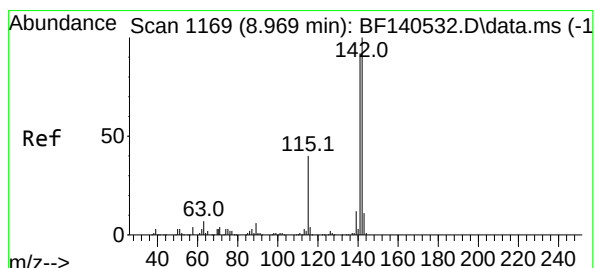
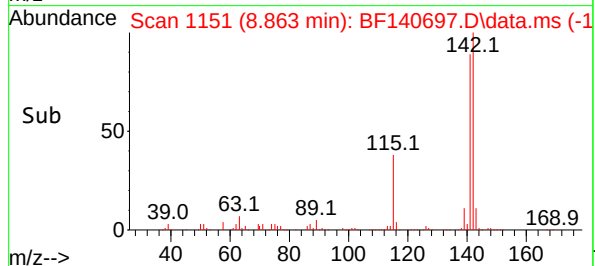
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Upadhyay



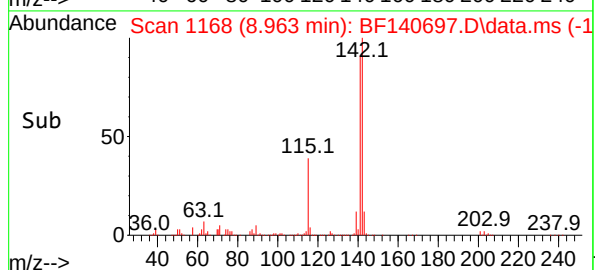
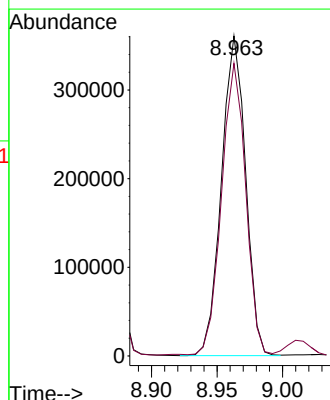
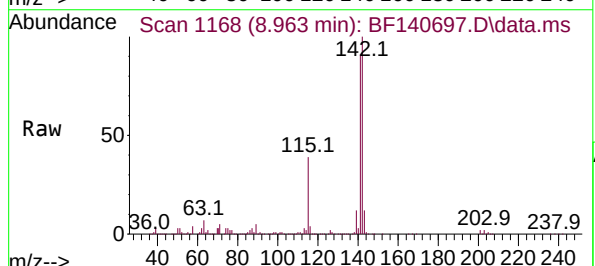
12/03/2024
Supervised By :mohammad
ahmed

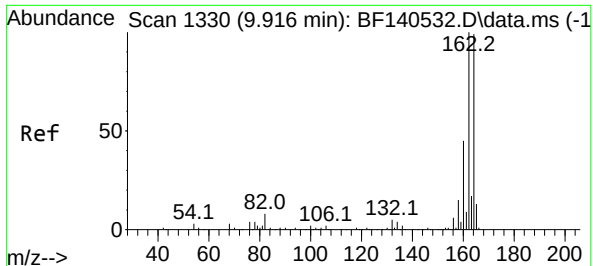
12/05/2024



#38
1-Methylnaphthalene
Concen: 44.102 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:142 Resp: 461372
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# 1179

Delta R.T. -0.006 min

Lab File: BF140697.D

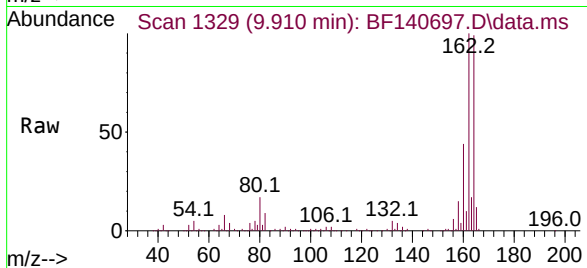
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS



Tgt Ion:164 Resp: 185319

Ion Ratio Lower Upper

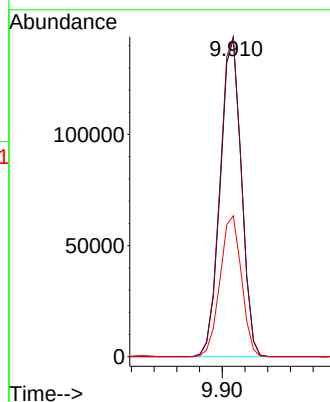
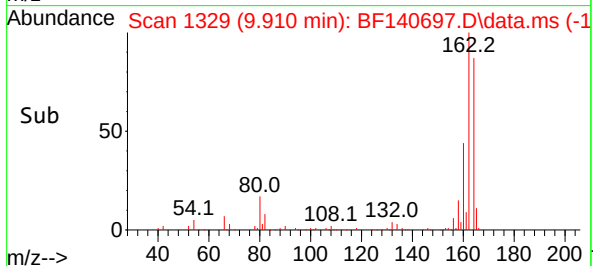
164 100

162 100.6 80.6 120.8

160 44.3 36.2 54.4

Manual Integrations

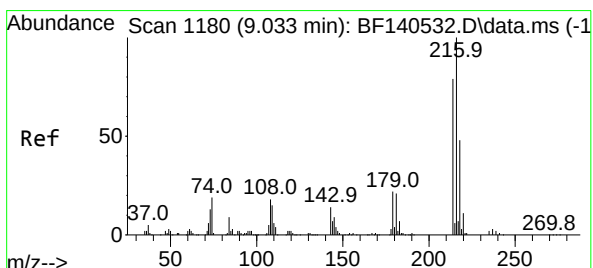
APPROVED

Reviewed By :Jagrut
Upadhyay

12/03/2024

Supervised By :mohammad
ahmed

12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

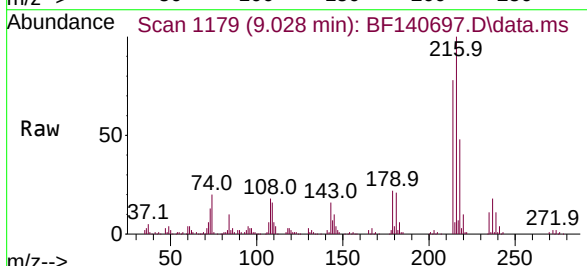
Concen: 44.516 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57



Tgt Ion:216 Resp: 241508

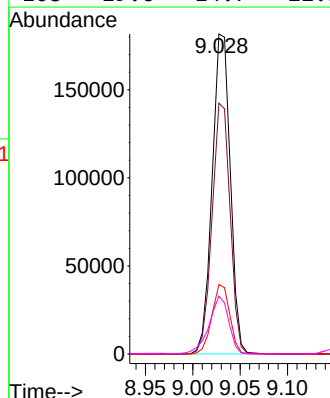
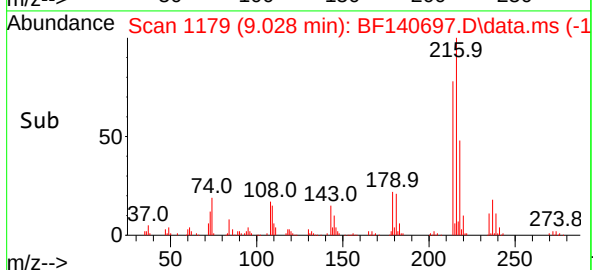
Ion Ratio Lower Upper

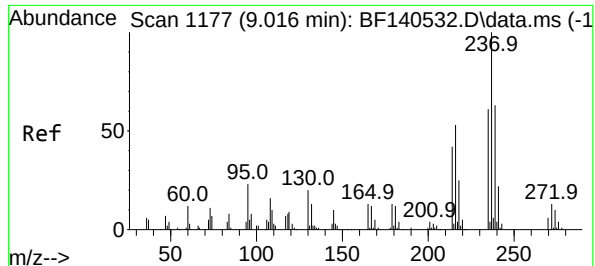
216 100

214 78.0 63.0 94.4

179 21.4 17.5 26.3

108 19.6 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 151.133 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:237 Resp: 19300

Ion Ratio Lower Upper

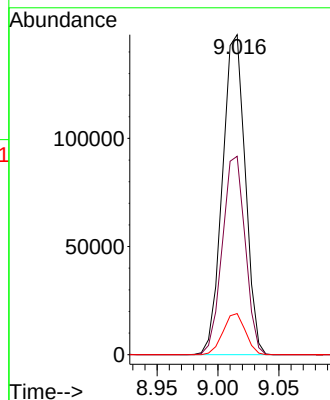
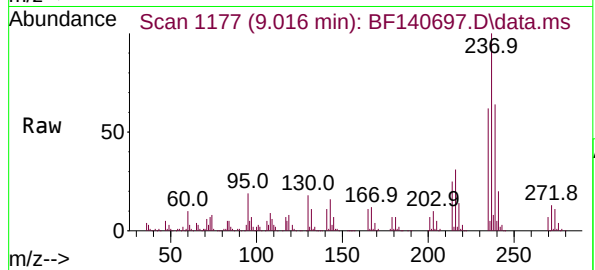
237 100

235 62.0 41.1 81.1

272 12.8 0.0 32.6

Manual Integrations

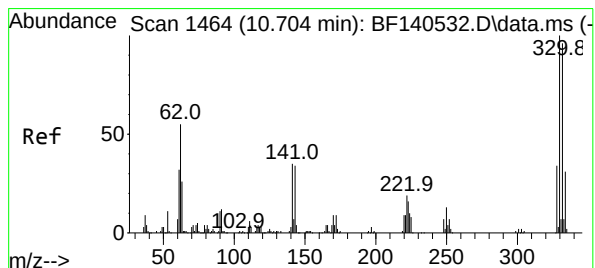
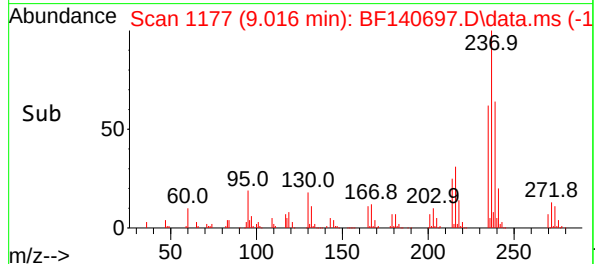
APPROVED

Reviewed By :Jagrut
Upadhyay

12/03/2024

Supervised By :mohammad
ahmed

12/05/2024



#42

2,4,6-Tribromophenol

Concen: 78.897 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

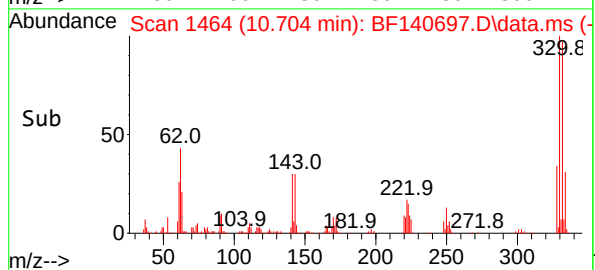
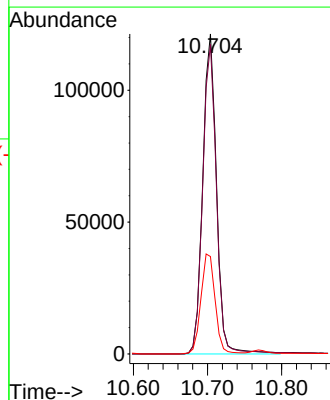
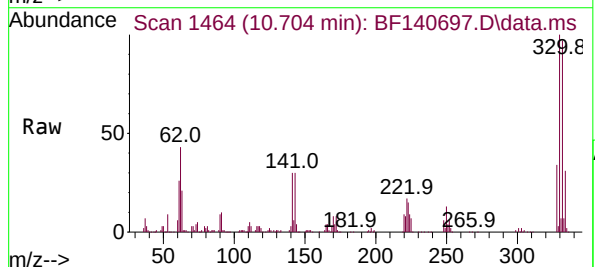
Tgt Ion:330 Resp: 156373

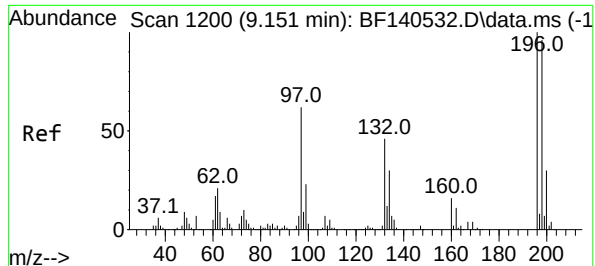
Ion Ratio Lower Upper

330 100

332 97.8 76.9 115.3

141 32.3 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 45.271 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:196 Resp: 15411

Ion Ratio Lower Upper

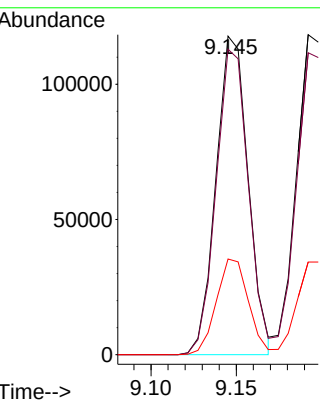
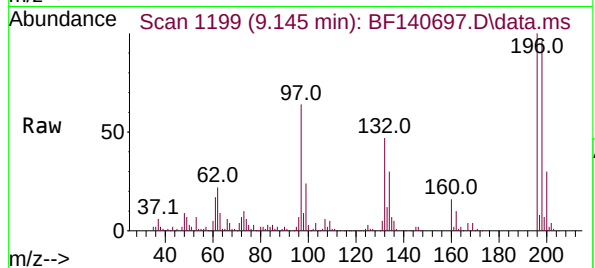
196 100

198 95.9 76.8 115.2

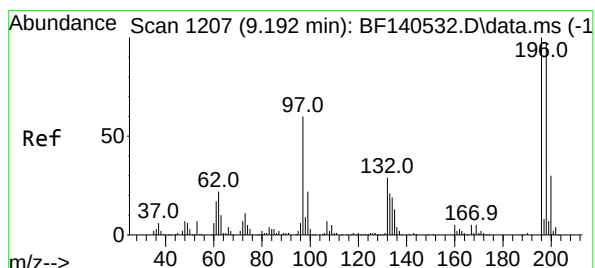
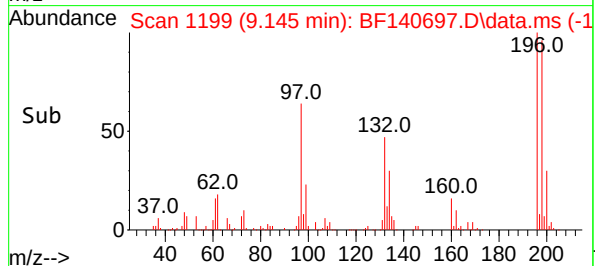
200 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

12/05/2024



#44

2,4,5-Trichlorophenol

Concen: 45.529 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Tgt Ion:196 Resp: 168210

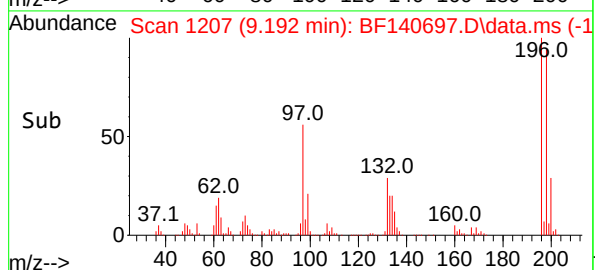
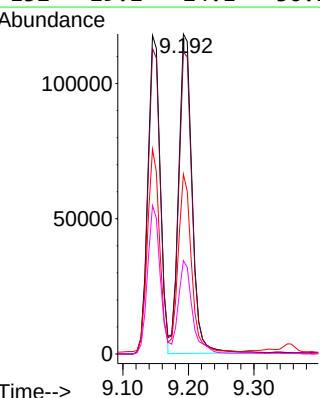
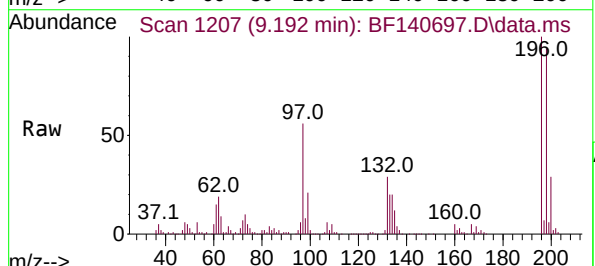
Ion Ratio Lower Upper

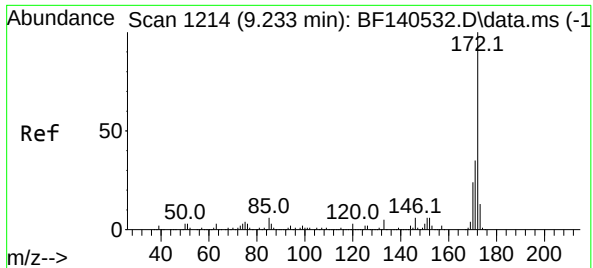
196 100

198 94.4 77.2 115.8

97 56.1 47.1 70.7

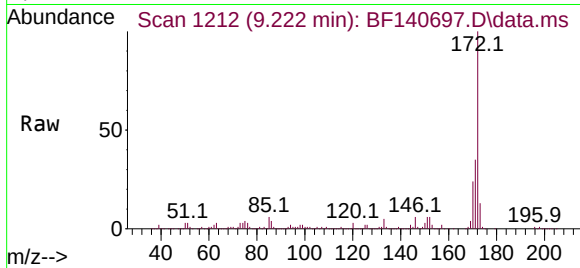
132 29.2 24.1 36.1





#45
2-Fluorobiphenyl
Concen: 49.676 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

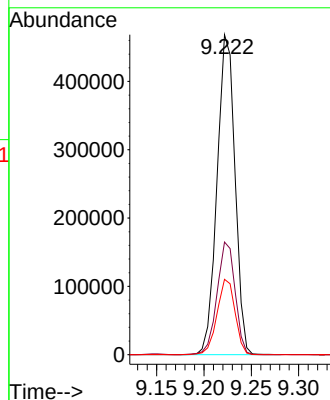
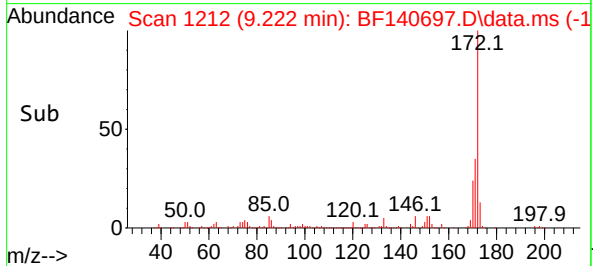
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:172 Resp: 61786
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.0 28.6

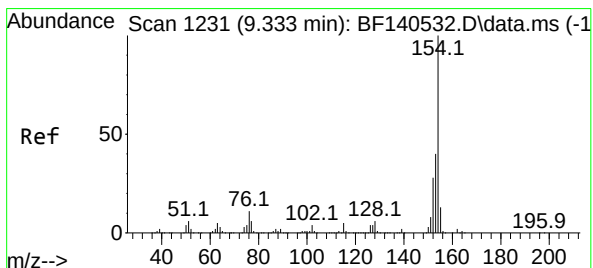
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

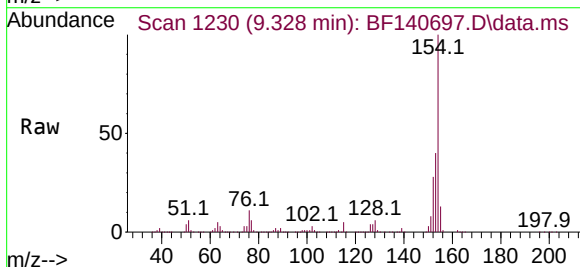


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Supervised By :mohammad
ahmed

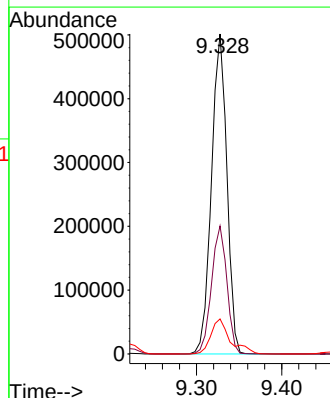
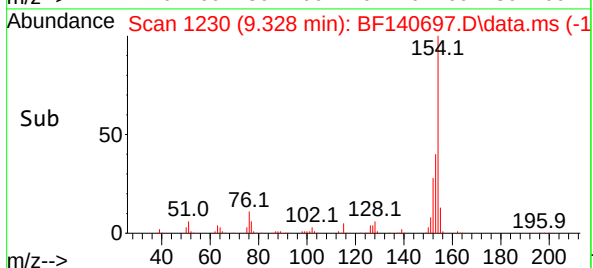
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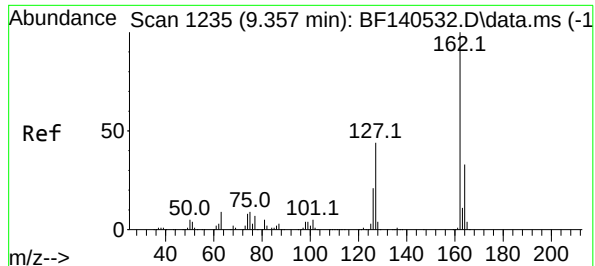


#46
1,1'-Biphenyl
Concen: 45.661 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



Tgt Ion:154 Resp: 631770
Ion Ratio Lower Upper
154 100
153 40.0 20.4 60.4
76 11.0 0.0 31.2





#47

2-Chloronaphthalene

Concen: 45.097 ng

RT: 9.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:162 Resp: 472794

Ion Ratio Lower Upper

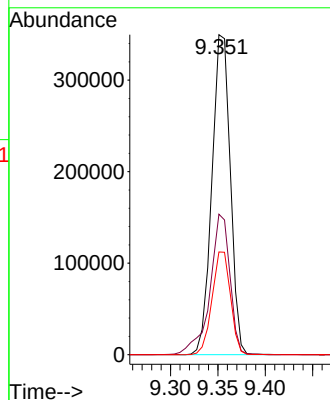
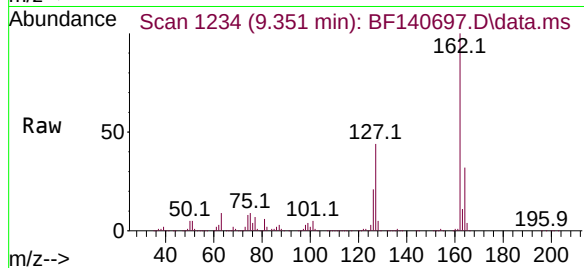
162 100

127 43.9 35.7 53.5

164 32.1 26.1 39.1

Manual Integrations

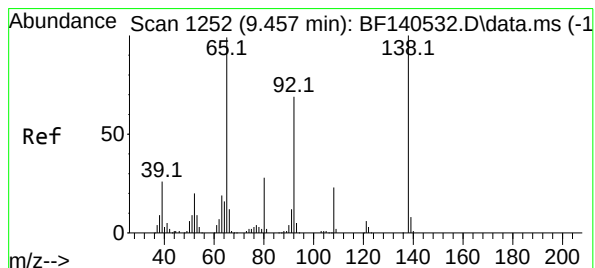
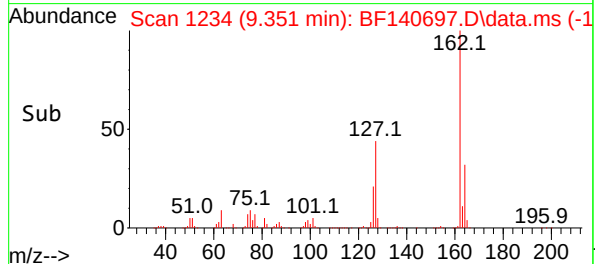
APPROVED

Reviewed By :Jagrut
Upadhyay

12/03/2024

Supervised By :mohammad
ahmed

12/05/2024



#48

2-Nitroaniline

Concen: 47.089 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

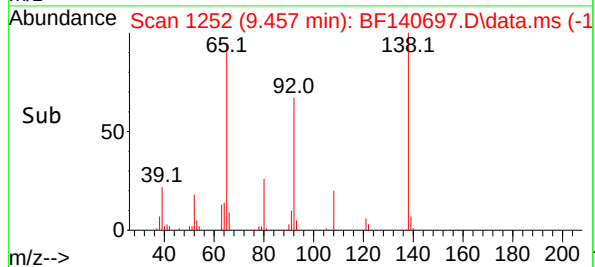
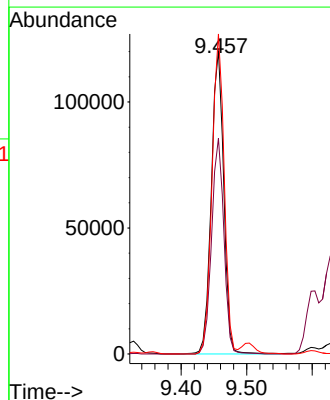
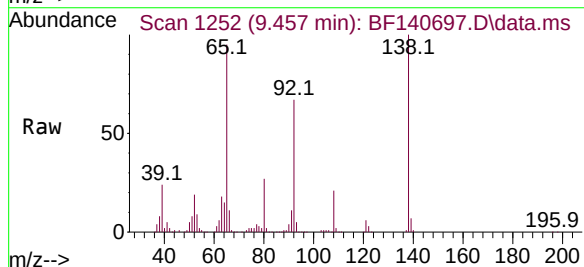
Tgt Ion: 65 Resp: 158460

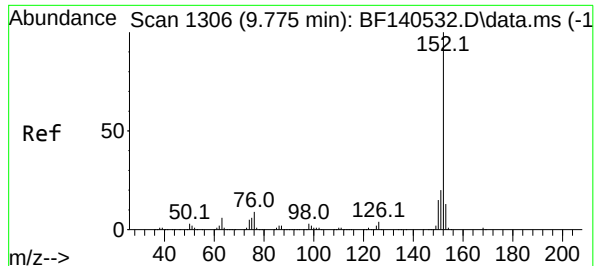
Ion Ratio Lower Upper

65 100

92 71.1 56.1 84.1

138 105.5 81.0 121.6





#49

Acenaphthylene

Concen: 49.165 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:152 Resp: 77880

Ion Ratio Lower Upper

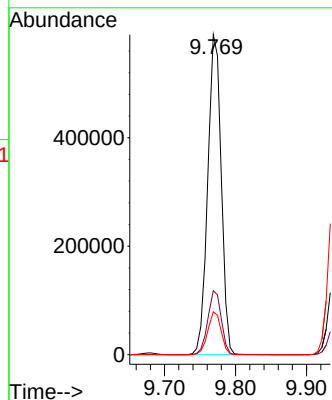
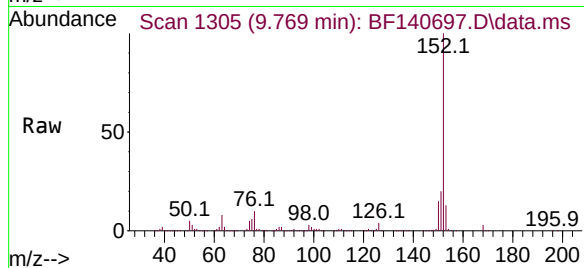
152 100

151 20.0 15.9 23.9

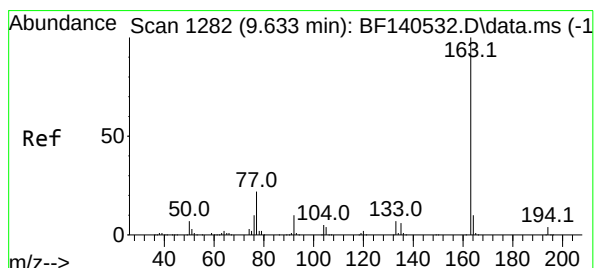
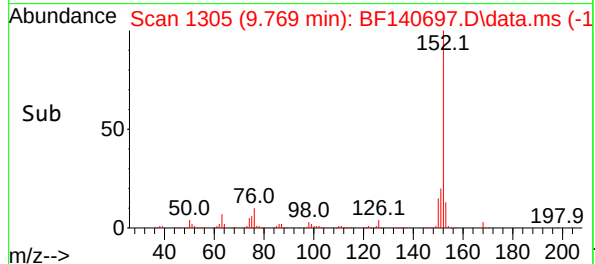
153 13.4 10.6 16.0

Manual Integrations

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Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

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#50

Dimethylphthalate

Concen: 46.729 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

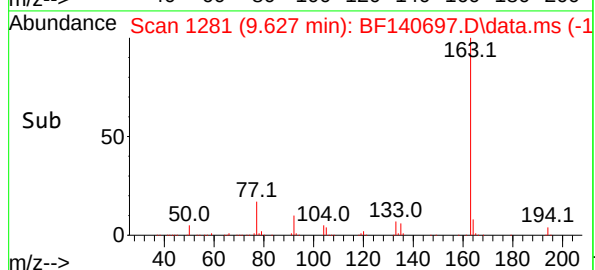
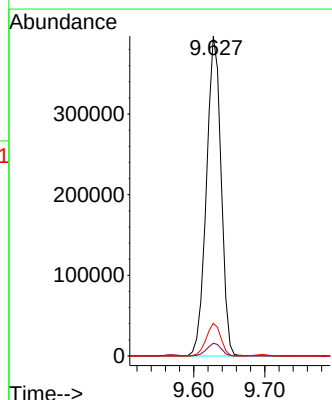
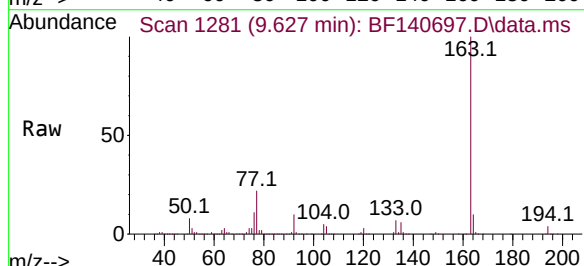
Tgt Ion:163 Resp: 570326

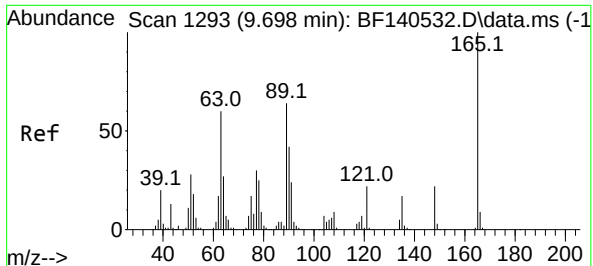
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

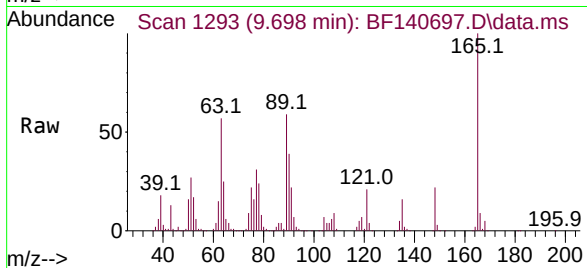
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 45.154 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

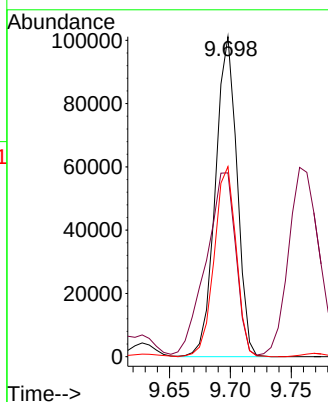
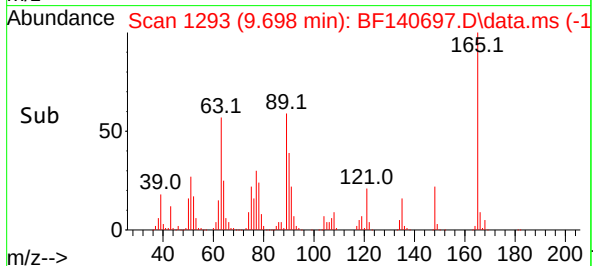
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:165 Resp: 124988
Ion Ratio Lower Upper
165 100
63 57.5 49.9 74.9
89 59.4 50.9 76.3

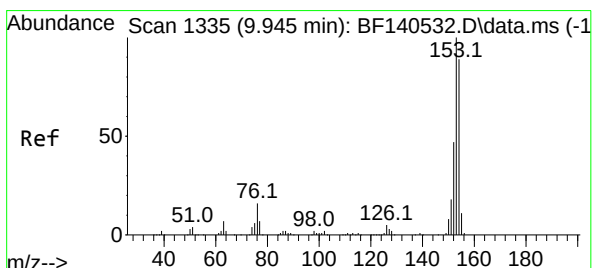
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Reviewed By :Jagrut
Upadhyay



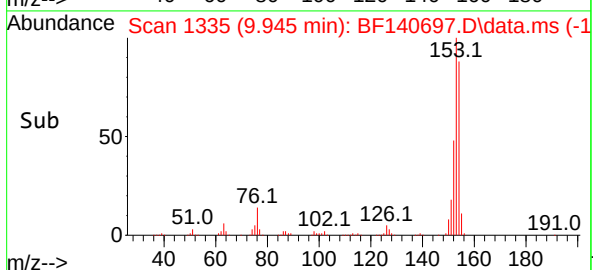
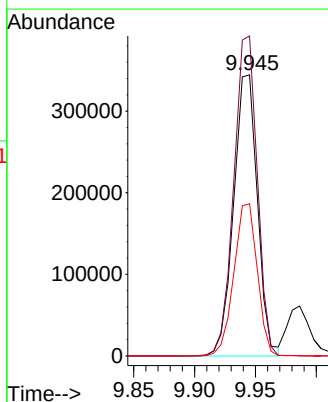
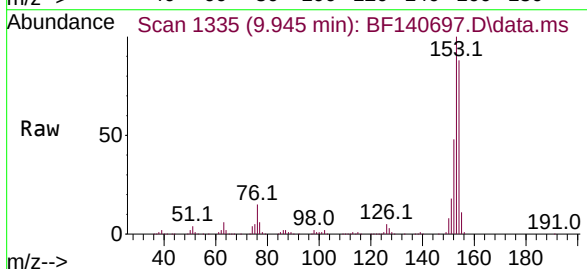
12/03/2024
Supervised By :mohammad
ahmed

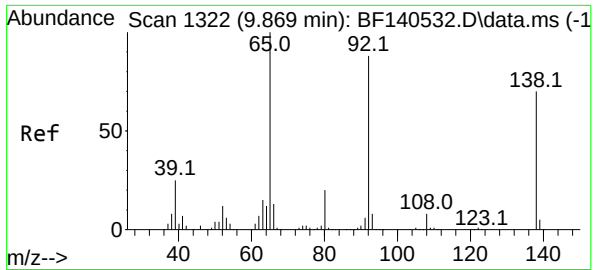
12/05/2024



#52
Acenaphthene
Concen: 46.553 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:154 Resp: 468552
Ion Ratio Lower Upper
154 100
153 113.8 89.7 134.5
152 54.1 42.5 63.7





#53
3-Nitroaniline
Concen: 28.217 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

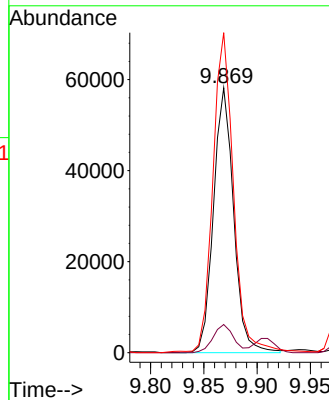
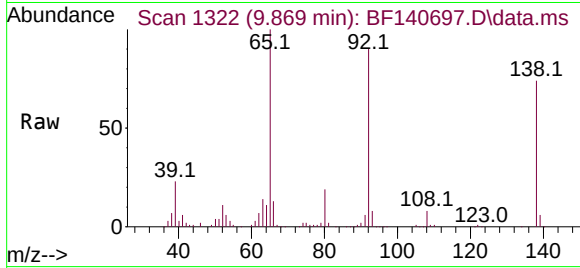
ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:138 Resp: 7639
Ion Ratio Lower Upper
138 100
108 10.7 9.2 13.8
92 120.8 100.6 150.8

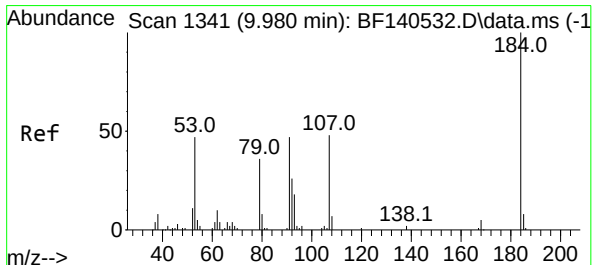
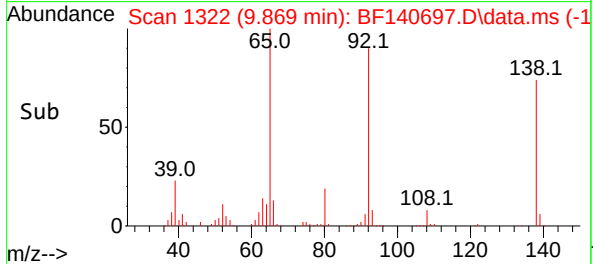
Manual Integrations
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Reviewed By :Jagrut
Upadhyay



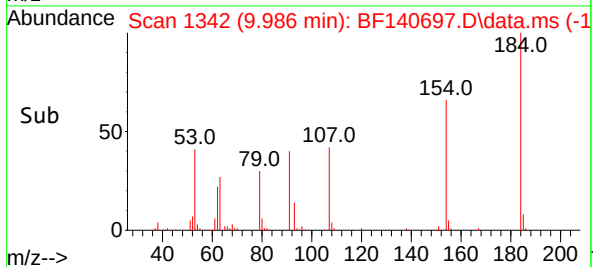
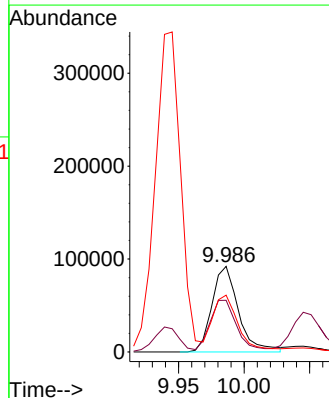
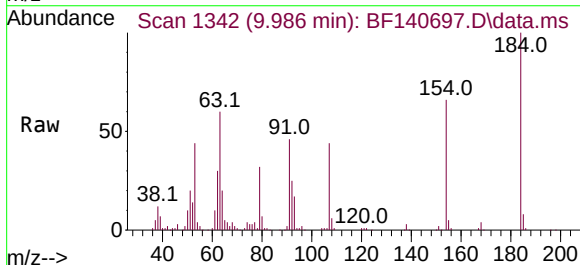
12/03/2024
Supervised By :mohammad
ahmed

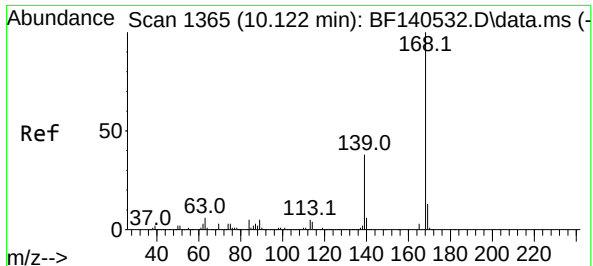
12/05/2024



#54
2,4-Dinitrophenol
Concen: 89.408 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:184 Resp: 129635
Ion Ratio Lower Upper
184 100
63 60.4 54.1 81.1
154 66.4 57.4 86.0





#55

Dibenzenofuran

Concen: 46.145 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:168 Resp: 708430

Ion Ratio Lower Upper

168 100

139 39.8 31.3 46.9

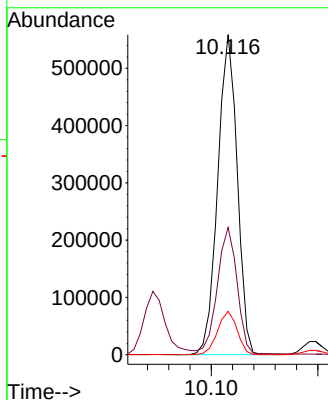
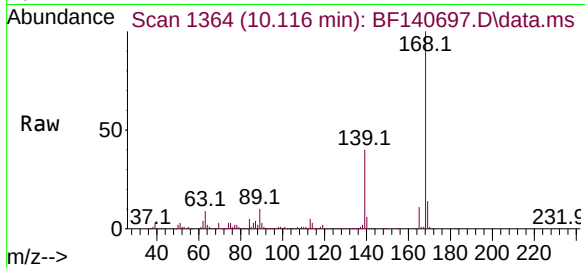
169 13.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut

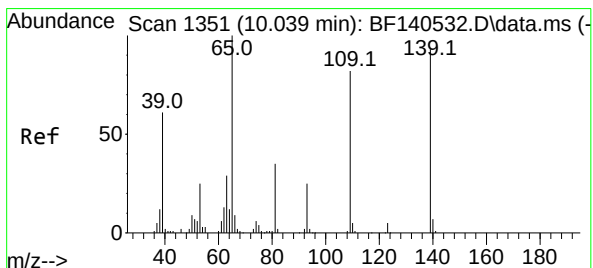
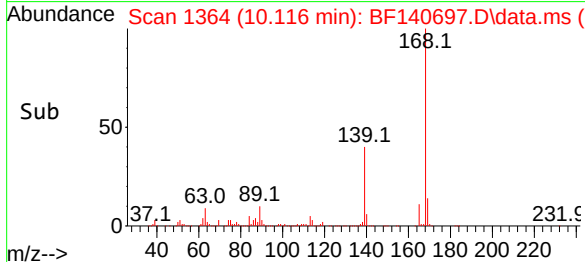
Upadhyay



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Supervised By :mohammad
ahmed

12/05/2024



#56

4-Nitrophenol

Concen: 86.045 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

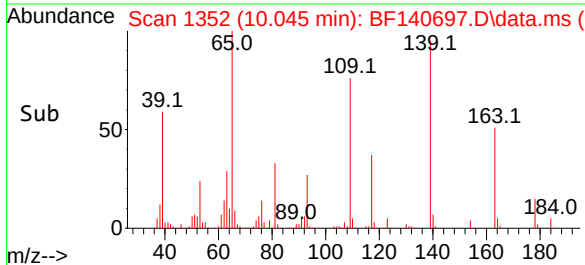
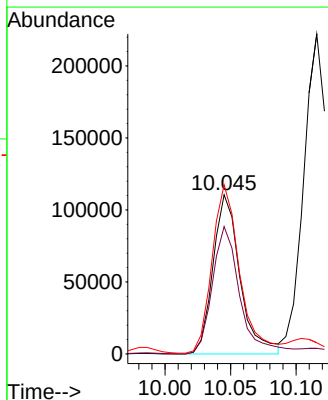
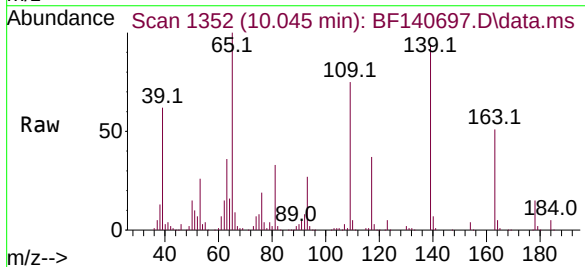
Tgt Ion:139 Resp: 158869

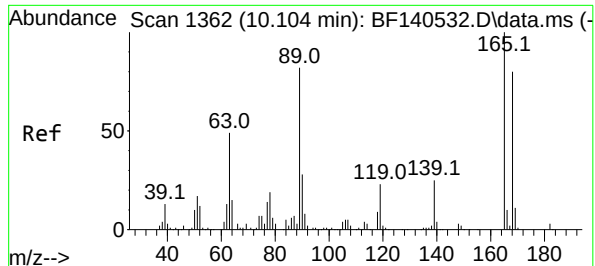
Ion Ratio Lower Upper

139 100

109 80.0 68.4 108.4

65 106.2 88.6 128.6





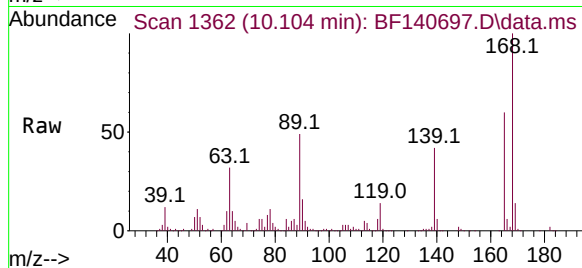
#57
2,4-Dinitrotoluene
Concen: 46.771 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :

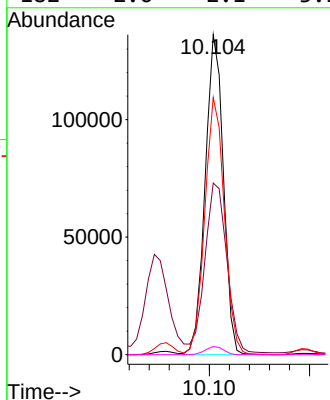
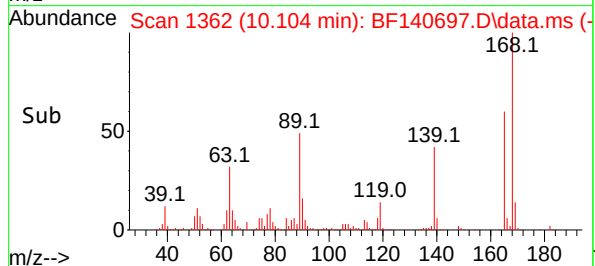
BNA_F

ClientSampleId :

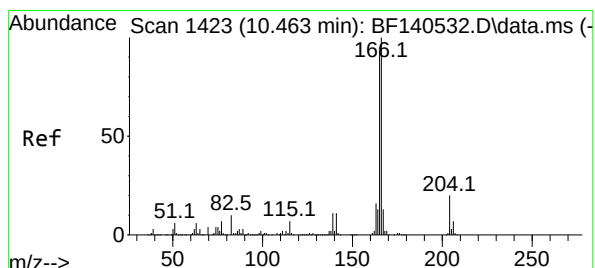
SOIL-1-HAMMS



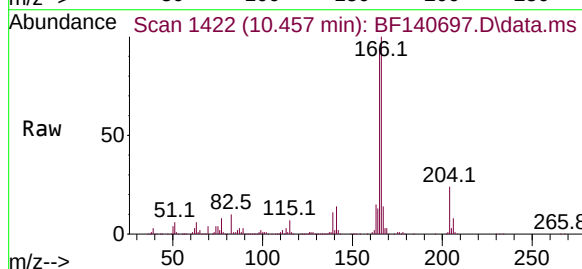
Tgt Ion:165 Resp: 172063
Ion Ratio Lower Upper
165 100
63 53.7 41.7 62.5
89 80.4 65.8 98.8
182 2.6 2.1 3.1

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Upadhyay12/03/2024
Supervised By :mohammad
ahmed

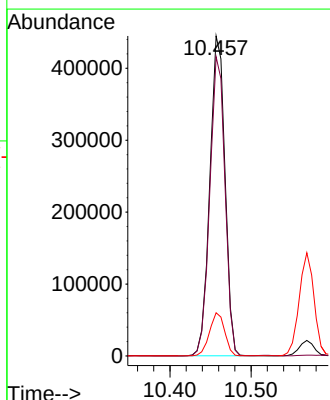
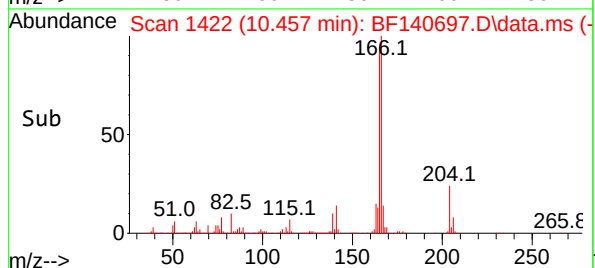
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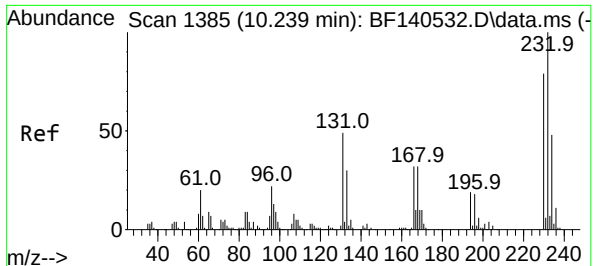


#58
Fluorene
Concen: 46.733 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



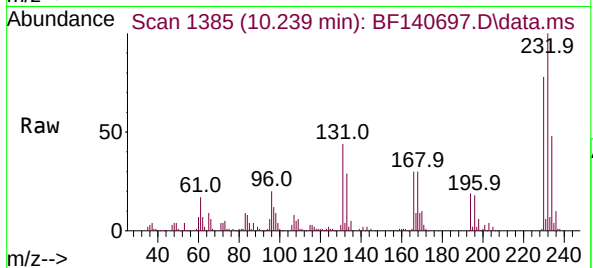
Tgt Ion:166 Resp: 575880
Ion Ratio Lower Upper
166 100
165 93.5 74.6 111.8
167 13.5 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.290 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

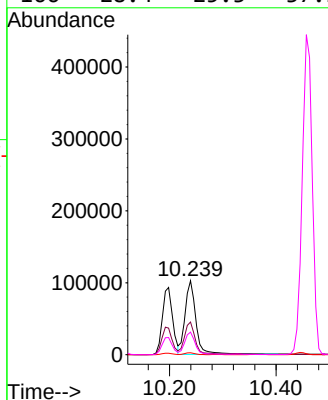
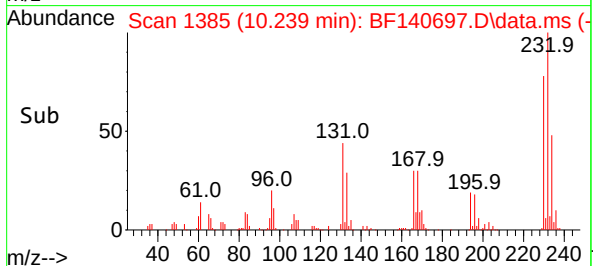
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:232 Resp: 145630
Ion Ratio Lower Upper
232 100
131 43.1 39.6 59.4
130 2.4 1.9 2.9
166 28.4 25.3 37.9

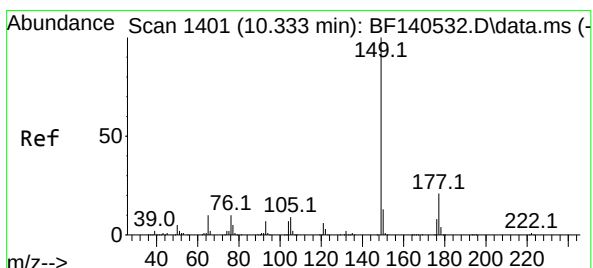
Manual Integrations
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Upadhyay



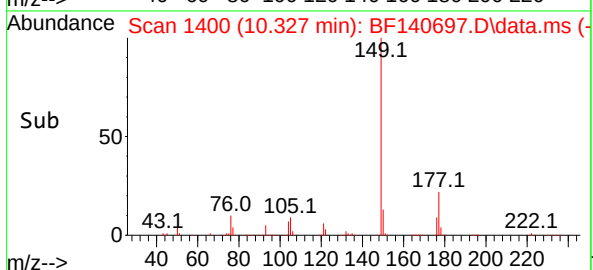
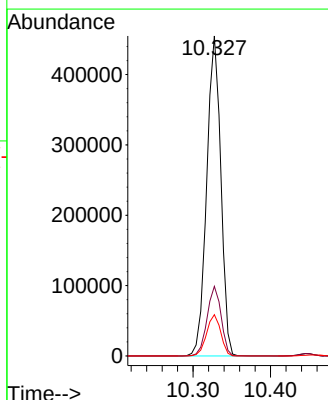
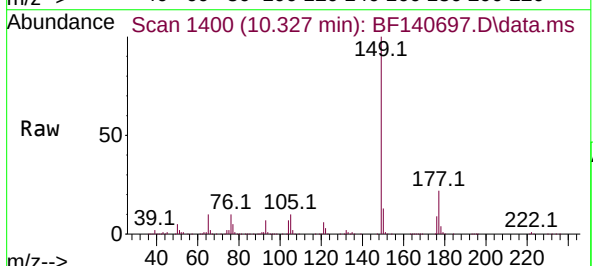
12/03/2024
Supervised By :mohammad
ahmed

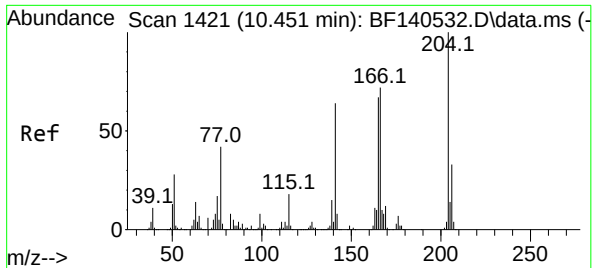
12/05/2024



#60
Diethylphthalate
Concen: 46.382 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

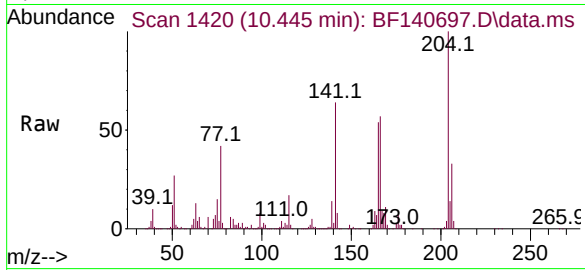
Tgt Ion:149 Resp: 575157
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 46.064 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

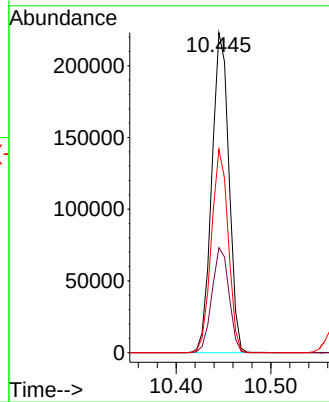
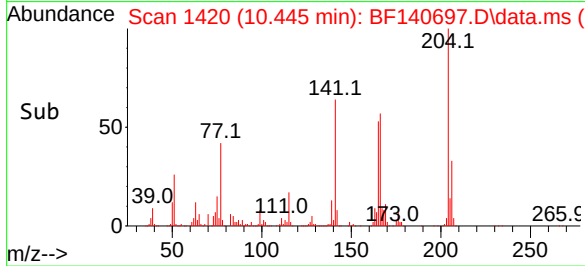
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:204 Resp: 27857
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 63.5 51.1 76.7

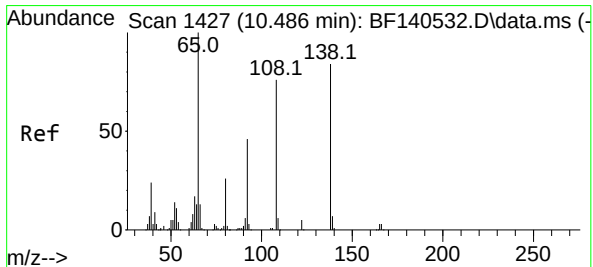
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Upadhyay



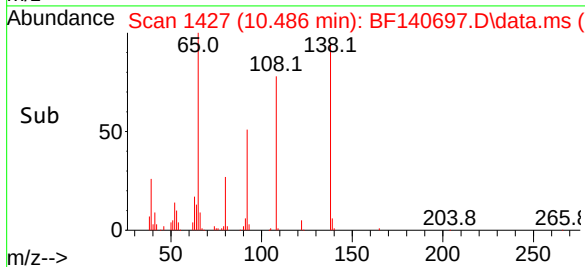
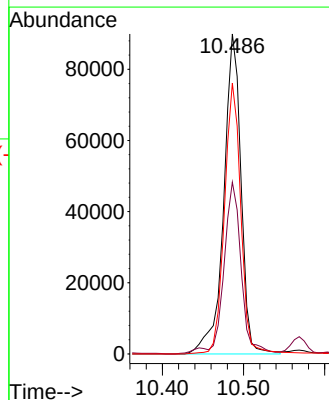
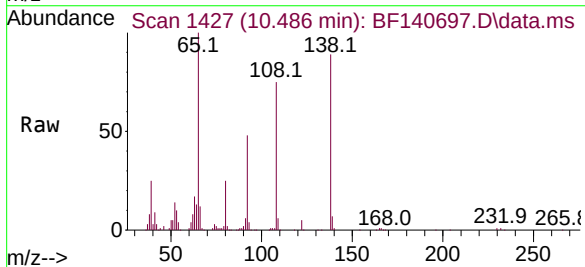
12/03/2024
Supervised By :mohammad
ahmed

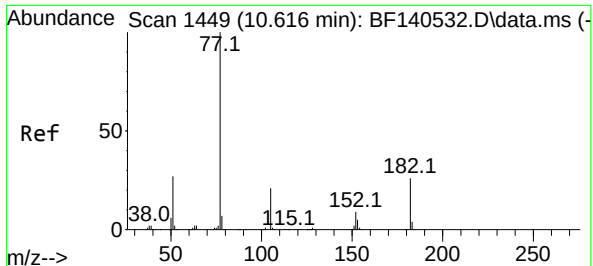
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#62
4-Nitroaniline
Concen: 46.954 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

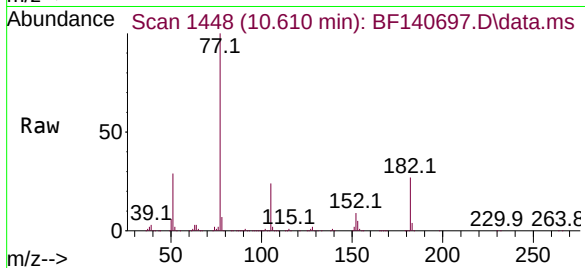
Tgt Ion:138 Resp: 133321
Ion Ratio Lower Upper
138 100
92 53.7 34.5 74.5
108 84.6 70.6 110.6





#63
Azobenzene
Concen: 50.701 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

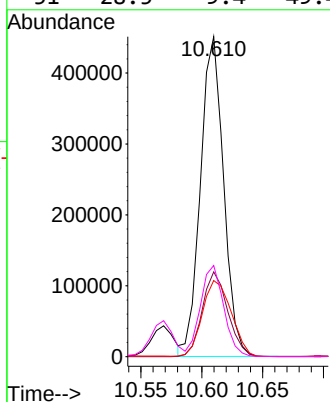
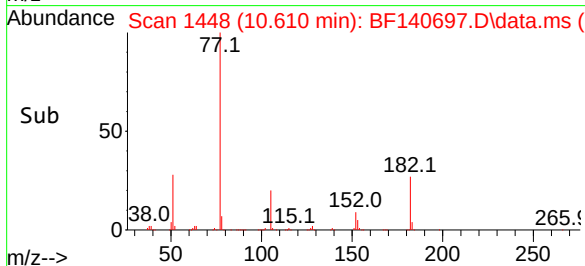
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion: 77 Resp: 59538
Ion Ratio Lower Upper
77 100
182 26.5 5.3 45.3
105 23.8 0.3 40.3
51 28.5 9.4 49.4

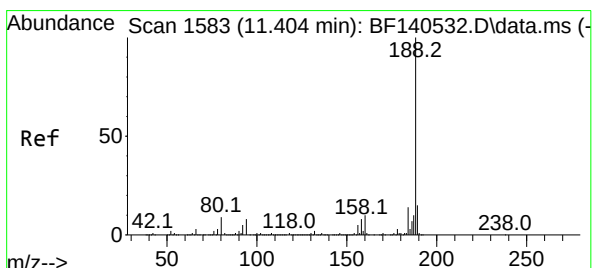
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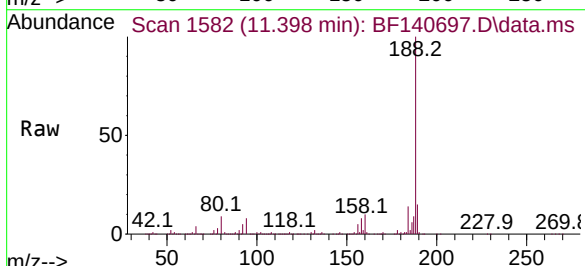


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Supervised By :mohammad
ahmed

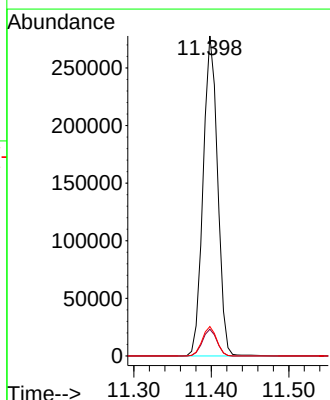
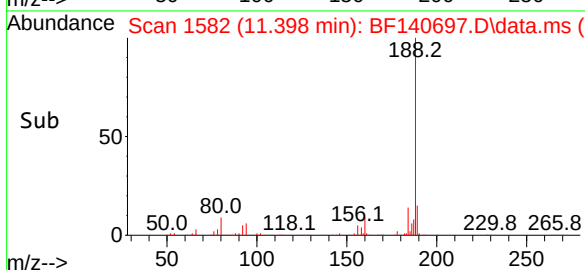
12/05/2024

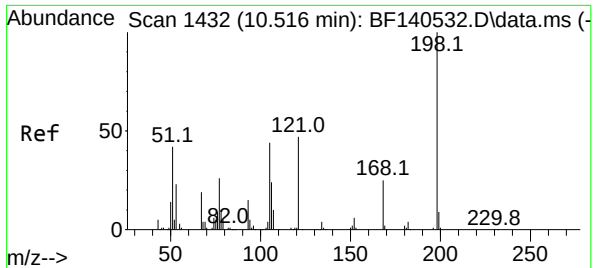


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



Tgt Ion:188 Resp: 361245
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 9.2 6.9 10.3





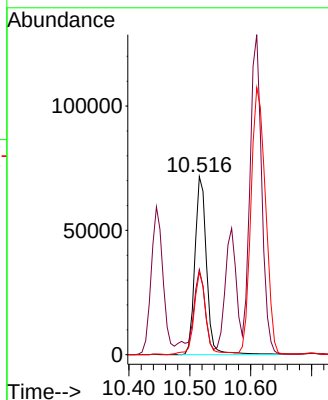
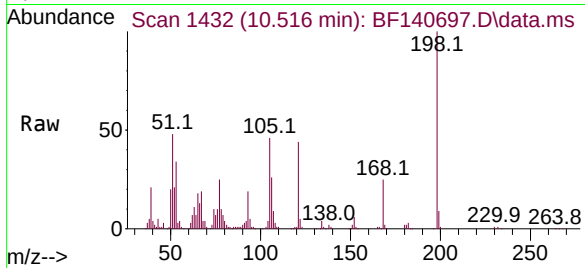
#65
4,6-Dinitro-2-methylphenol
Concen: 51.716 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS

Tgt Ion:198 Resp: 9546
Ion Ratio Lower Upper
198 100
51 47.8 29.4 69.4
105 46.4 25.4 65.4

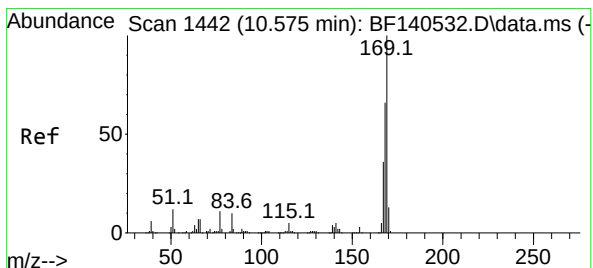
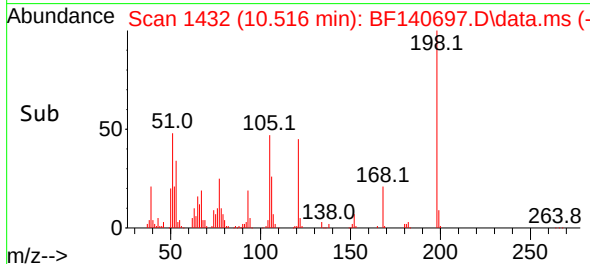
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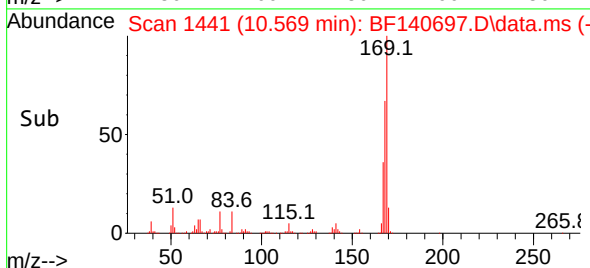
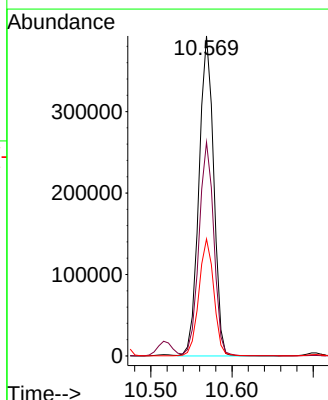
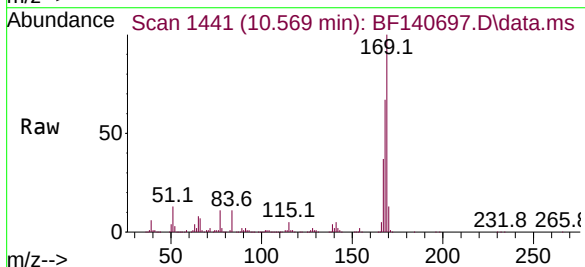
12/03/2024
Supervised By :mohammad
ahmed

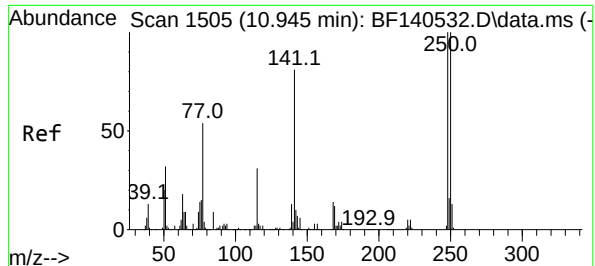
12/05/2024



#66
n-Nitrosodiphenylamine
Concen: 46.318 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

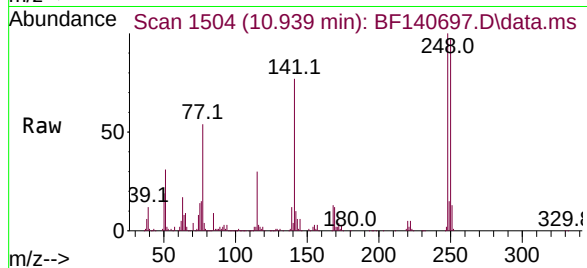
Tgt Ion:169 Resp: 494813
Ion Ratio Lower Upper
169 100
168 66.8 53.2 79.8
167 36.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 45.281 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

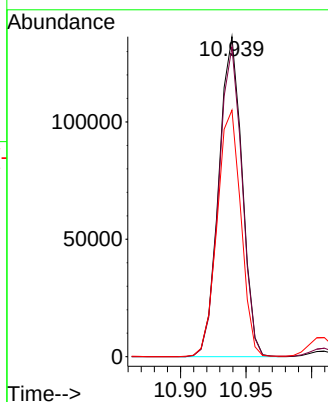
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:248 Resp: 168450
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 77.0 64.7 97.1

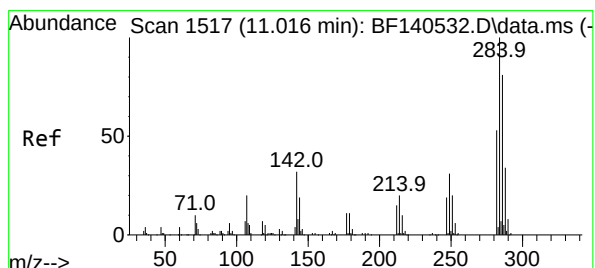
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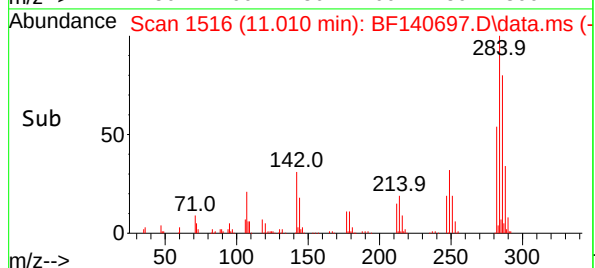
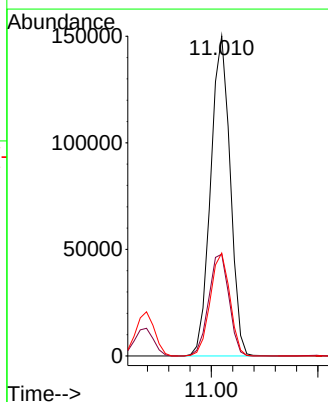
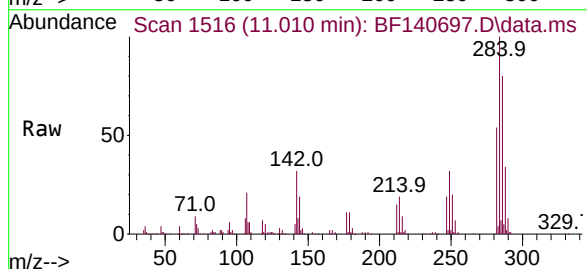
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ahmed

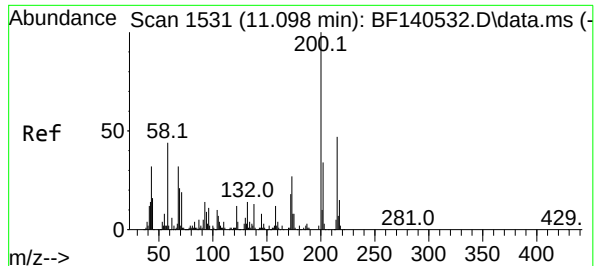
12/05/2024



#68
Hexachlorobenzene
Concen: 44.164 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Tgt Ion:284 Resp: 190245
Ion Ratio Lower Upper
284 100
142 31.8 25.3 37.9
249 32.2 24.8 37.2





#69

Atrazine

Concen: 55.262 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:200 Resp: 166080

Ion Ratio Lower Upper

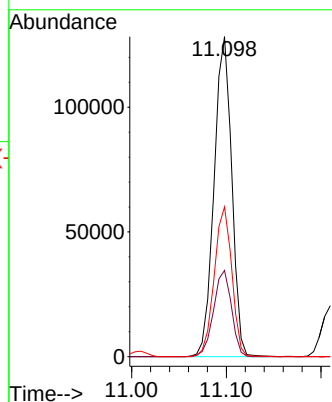
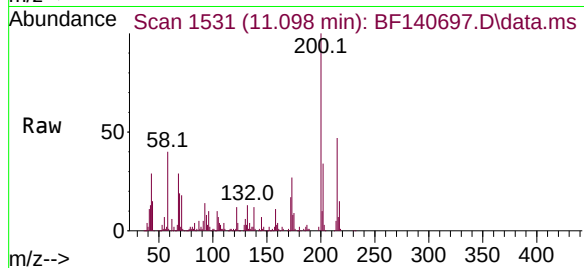
200 100

173 26.9 7.0 47.0

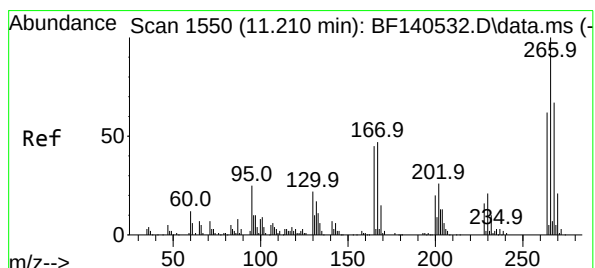
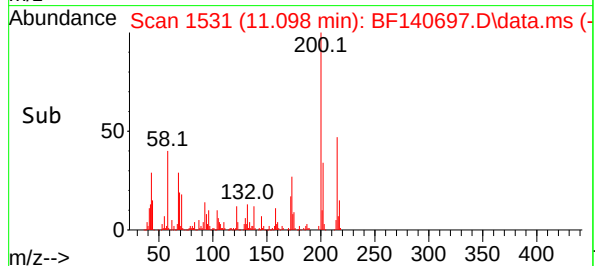
215 46.8 26.7 66.7

Manual Integrations

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Upadhyay12/03/2024
Supervised By :mohammad
ahmed

12/05/2024



#70

Pentachlorophenol

Concen: 85.530 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

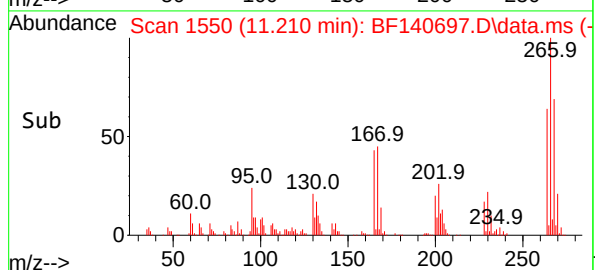
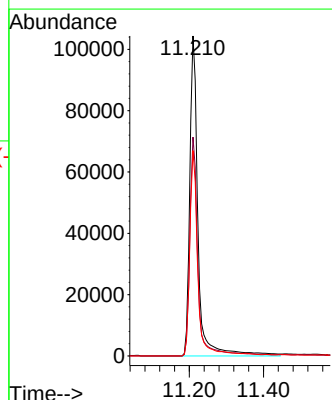
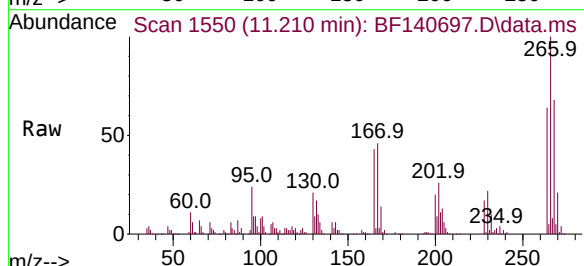
Tgt Ion:266 Resp: 162158

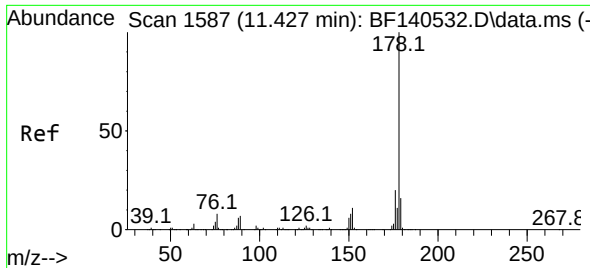
Ion Ratio Lower Upper

266 100

268 68.4 53.7 80.5

264 64.2 49.8 74.8





#71

Phenanthrene

Concen: 47.378 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:178 Resp: 82271

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

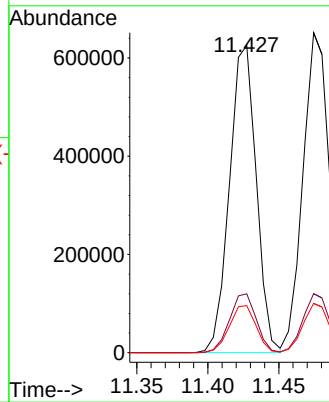
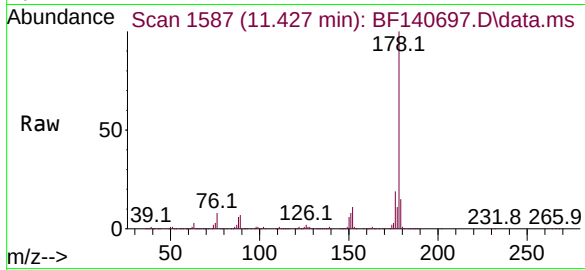
179 15.3 12.4 18.6

Manual Integrations

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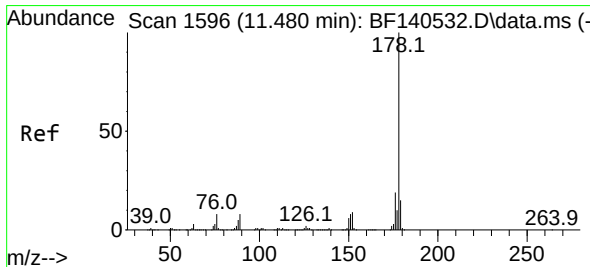
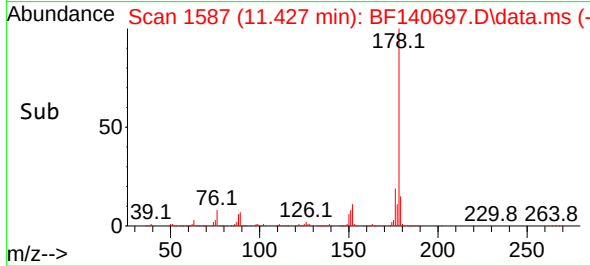
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ahmed

12/05/2024



#72

Anthracene

Concen: 49.617 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

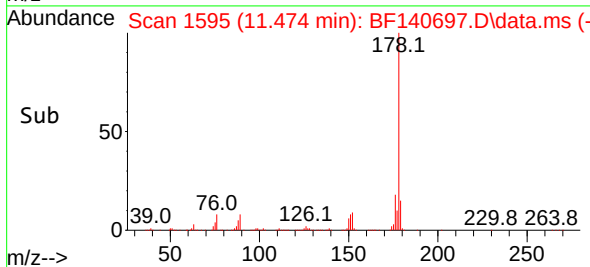
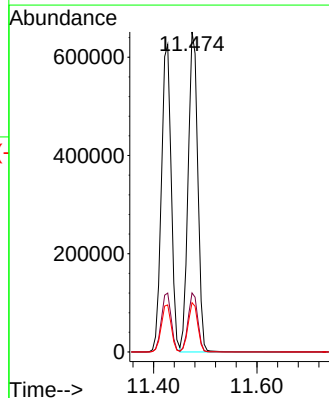
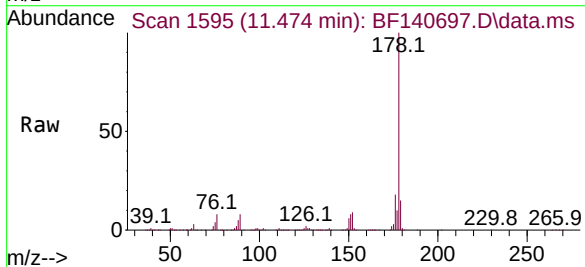
Tgt Ion:178 Resp: 842789

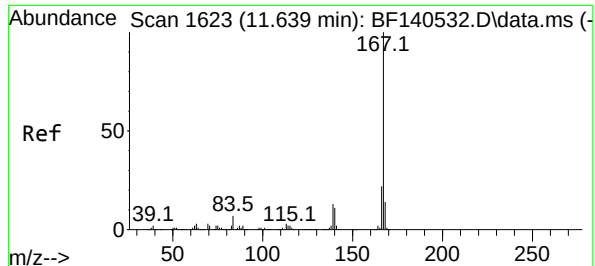
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

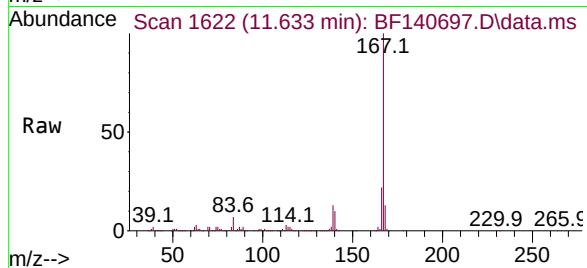
179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 47.760 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140697.D
 Acq: 02 Dec 2024 18:57

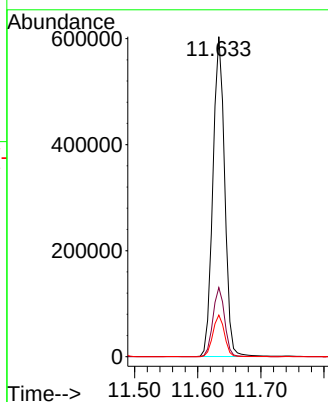
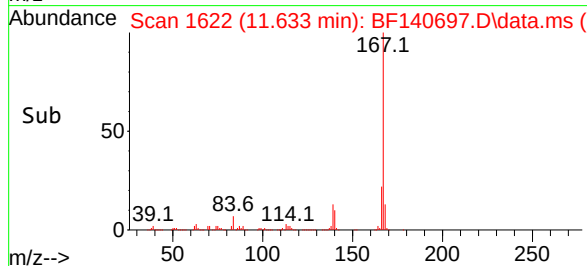
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMS



Tgt Ion:167 Resp: 780430
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 13.0 10.6 15.8

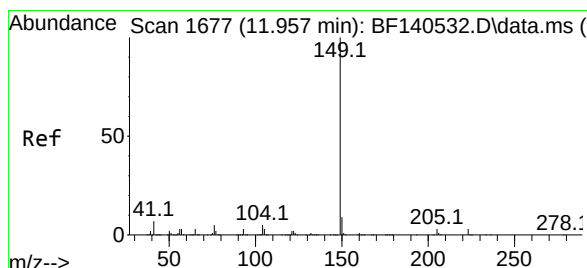
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Reviewed By :Jagrut
 Upadhyay

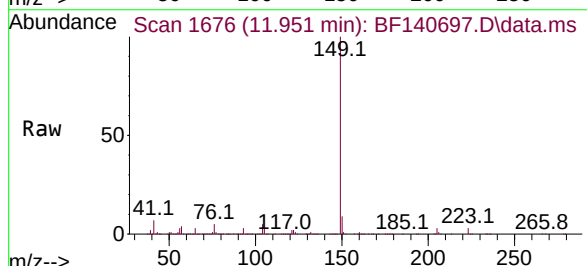


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 ahmed

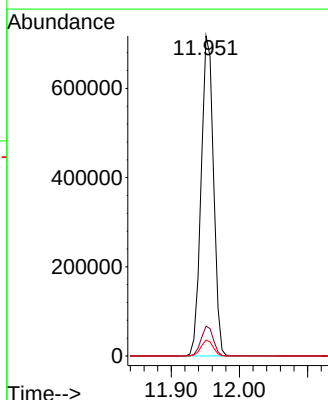
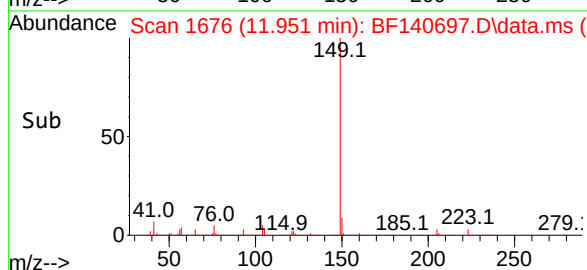
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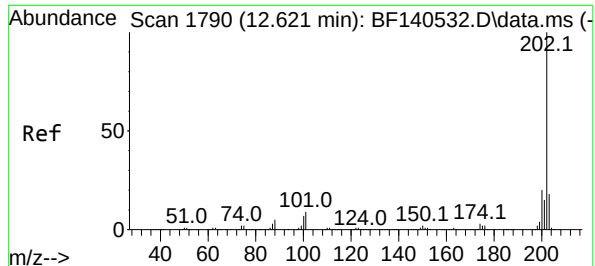


#74
 Di-n-butylphthalate
 Concen: 48.014 ng
 RT: 11.951 min Scan# 1676
 Delta R.T. -0.006 min
 Lab File: BF140697.D
 Acq: 02 Dec 2024 18:57



Tgt Ion:149 Resp: 905796
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 5.0 4.1 6.1





#75

Fluoranthene

Concen: 48.052 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:202 Resp: 905950

Ion Ratio Lower Upper

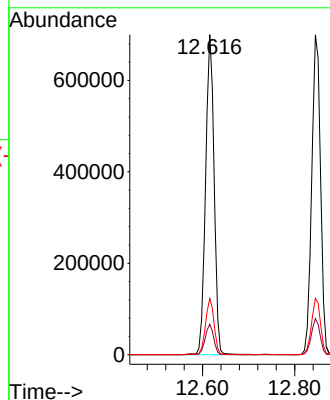
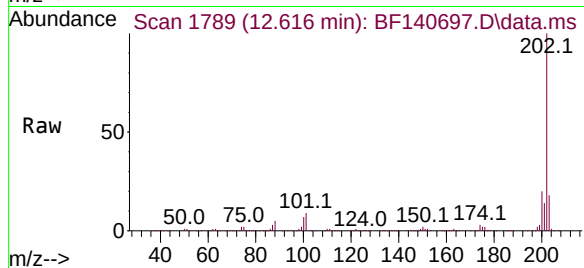
202 100

101 9.5 0.0 28.9

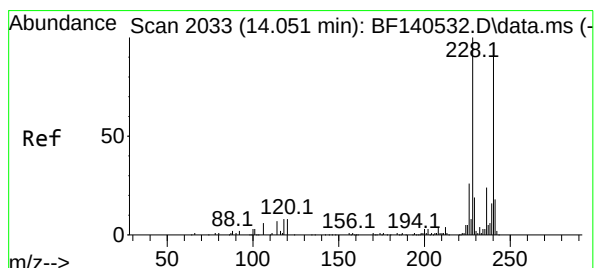
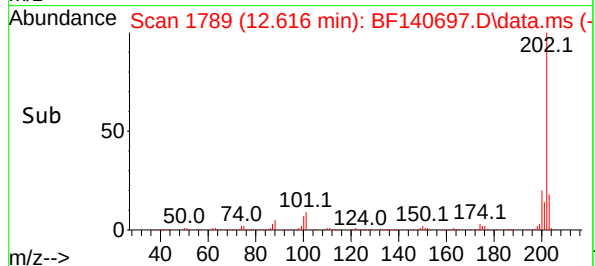
203 17.5 0.0 37.6

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ahmed

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

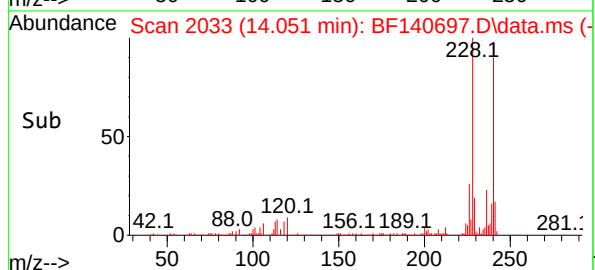
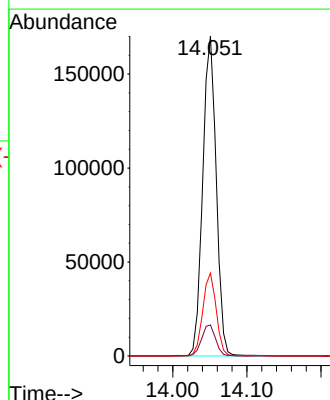
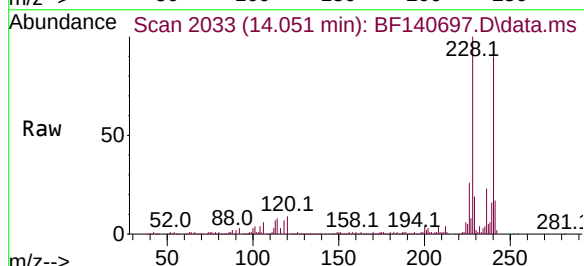
Tgt Ion:240 Resp: 215378

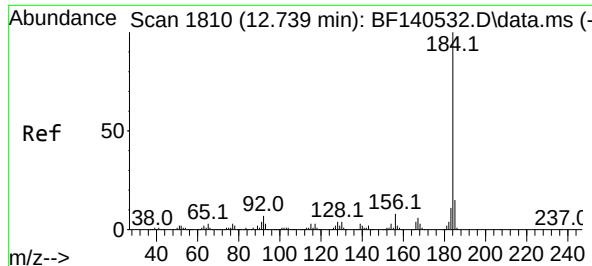
Ion Ratio Lower Upper

240 100

120 9.7 7.3 10.9

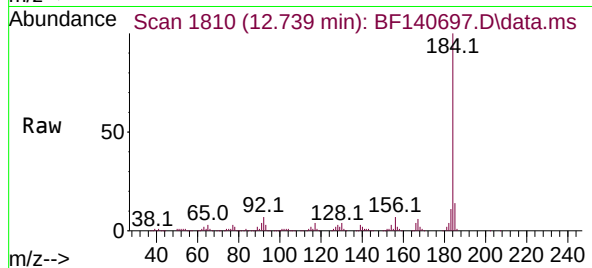
236 25.9 20.6 31.0





#77
Benzidine
Concen: 33.553 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

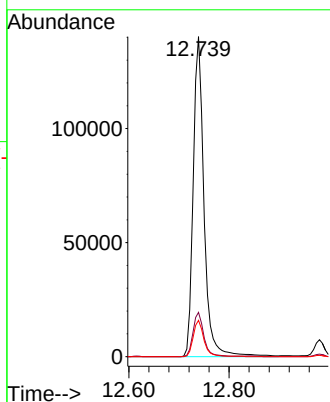
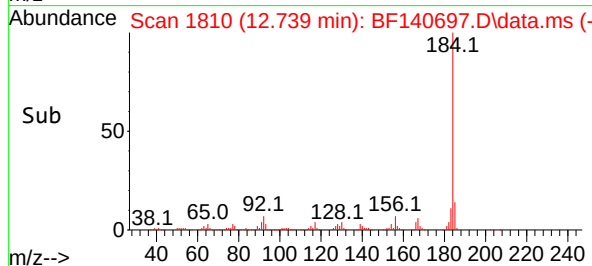
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:184 Resp: 21011
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 11.4 8.8 13.2

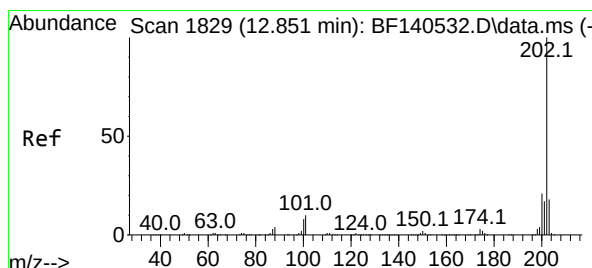
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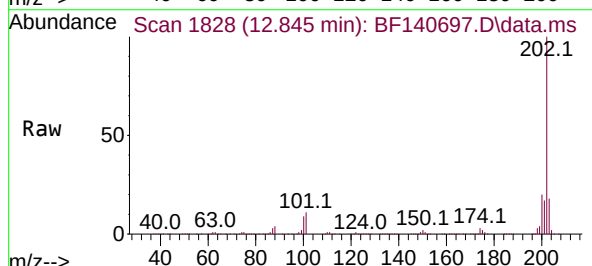


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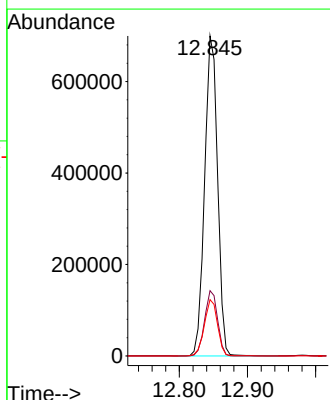
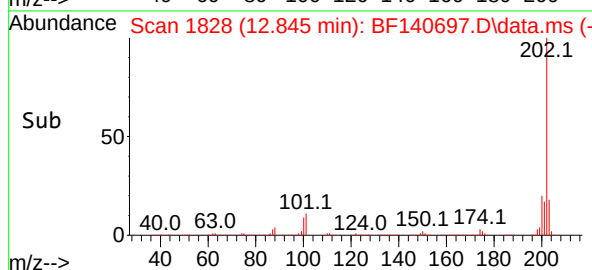
12/05/2024

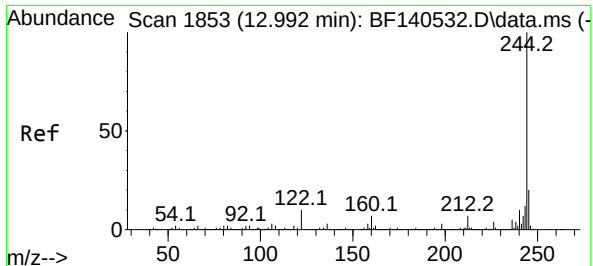


#78
Pyrene
Concen: 46.400 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



Tgt Ion:202 Resp: 924020
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 47.099 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140697.D

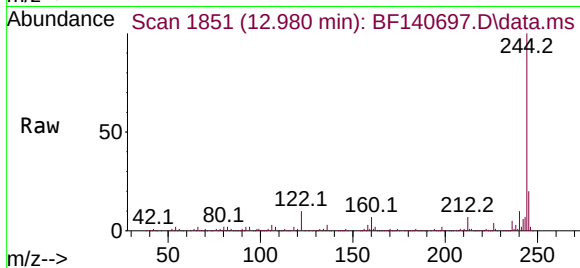
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS



Tgt Ion:244 Resp: 65146

Ion Ratio Lower Upper

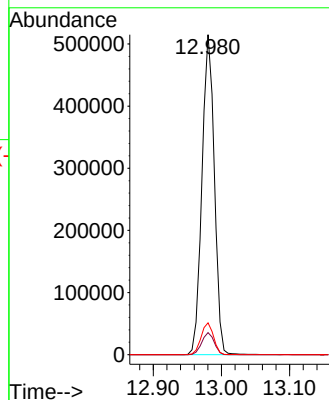
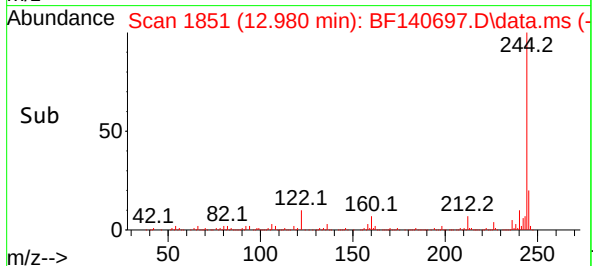
244 100

212 6.9 5.8 8.8

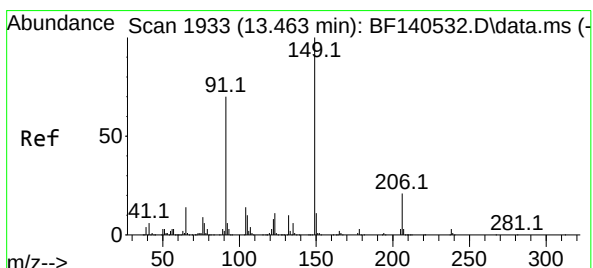
122 10.0 8.0 12.0

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#80

Butylbenzylphthalate

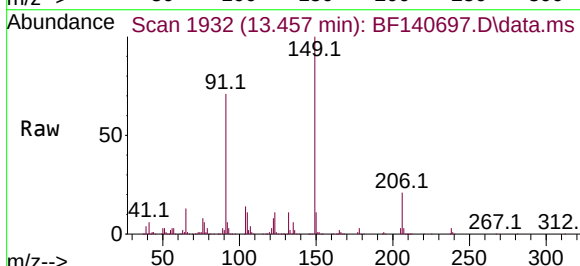
Concen: 48.856 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57



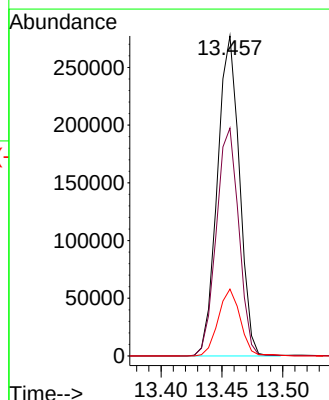
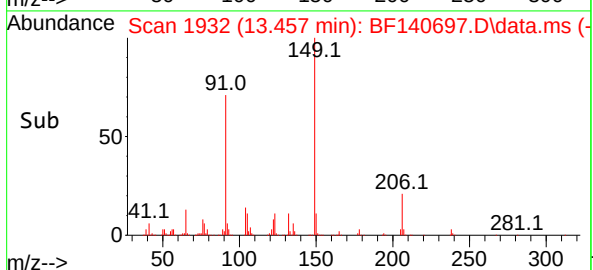
Tgt Ion:149 Resp: 350493

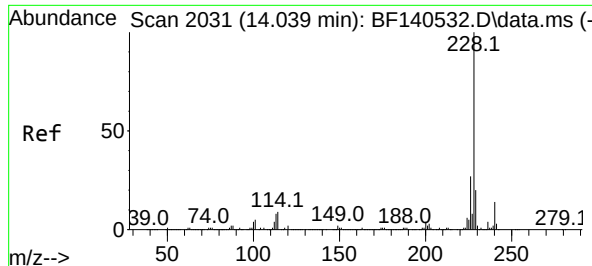
Ion Ratio Lower Upper

149 100

91 71.2 56.2 84.2

206 20.9 16.4 24.6





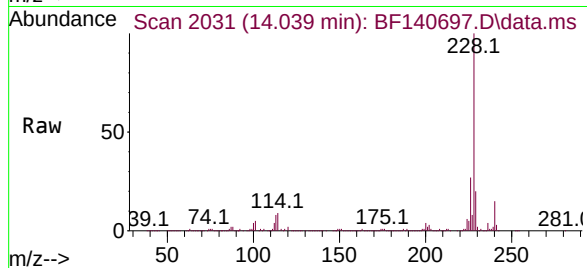
#81
Benzo(a)anthracene
Concen: 48.429 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

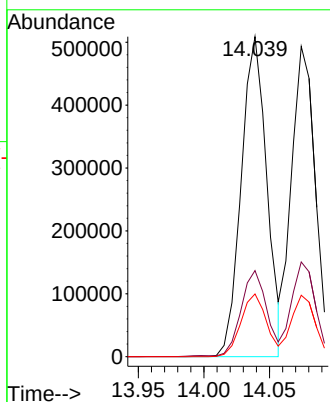
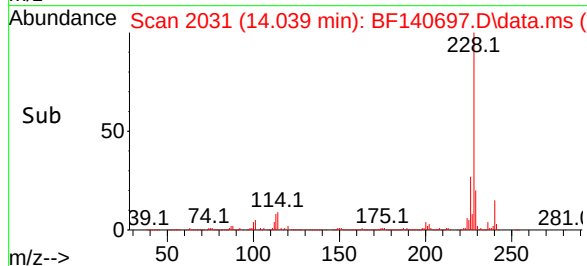
SOIL-1-HAMMS



Tgt Ion:228 Resp: 690465
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.6 15.8 23.6

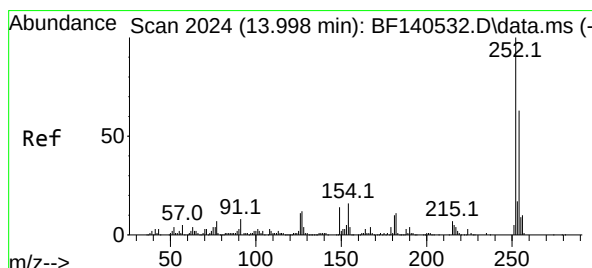
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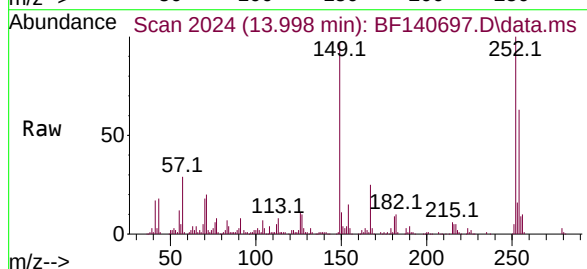


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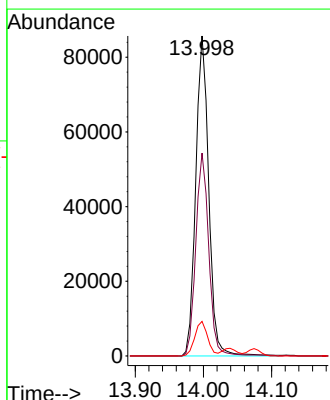
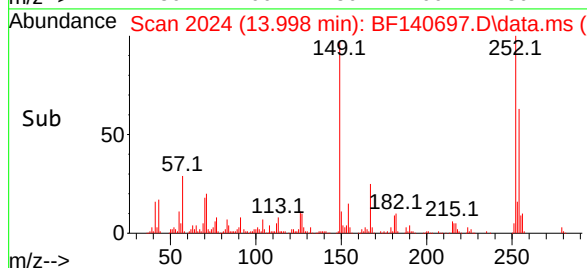
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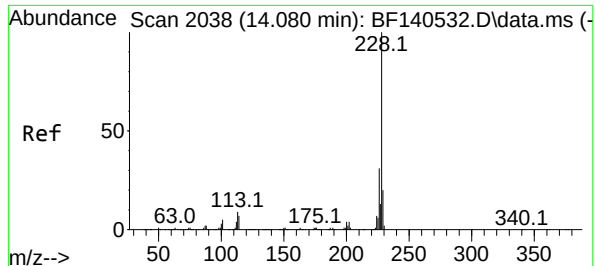


#82
3,3'-Dichlorobenzidine
Concen: 26.542 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



Tgt Ion:252 Resp: 113614
Ion Ratio Lower Upper
252 100
254 63.4 50.8 76.2
126 10.8 8.6 13.0





#83

Chrysene

Concen: 47.836 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:228 Resp: 62361

Ion Ratio Lower Upper

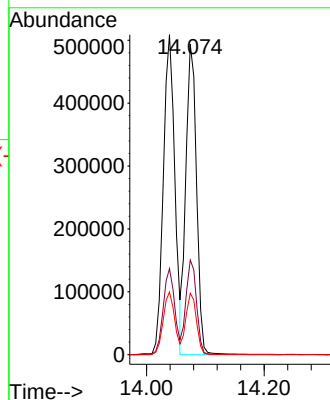
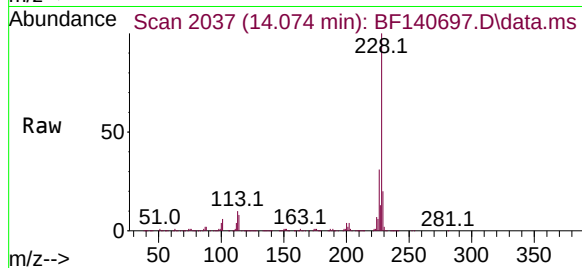
228 100

226 30.5 24.4 36.6

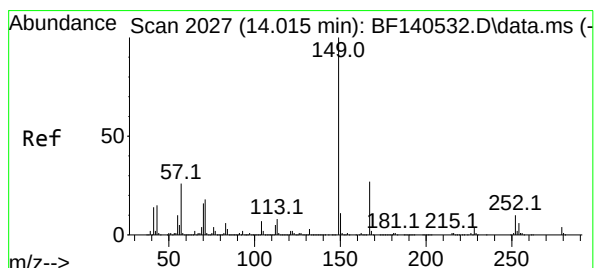
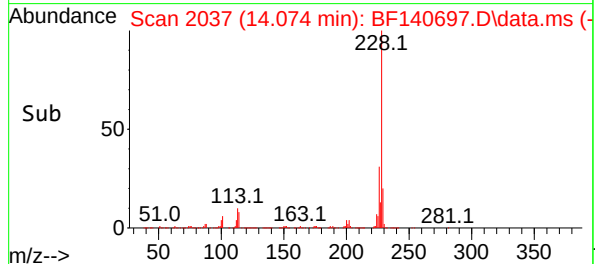
229 19.8 15.8 23.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 50.315 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

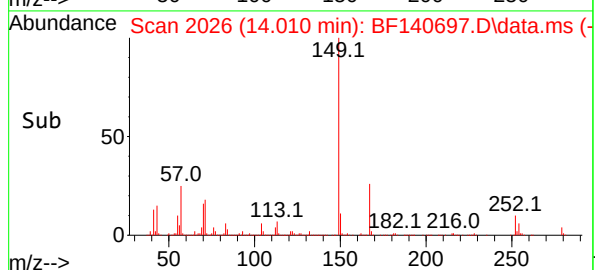
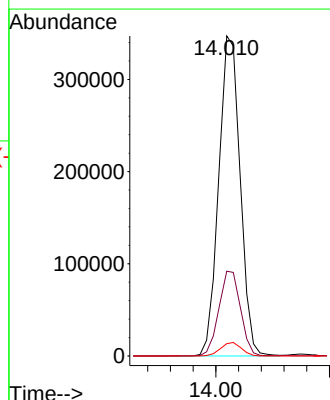
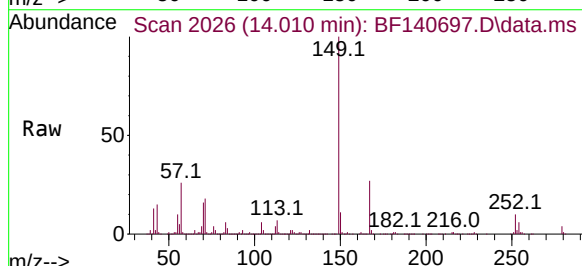
Tgt Ion:149 Resp: 455784

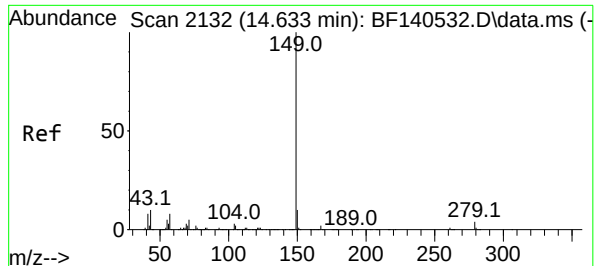
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

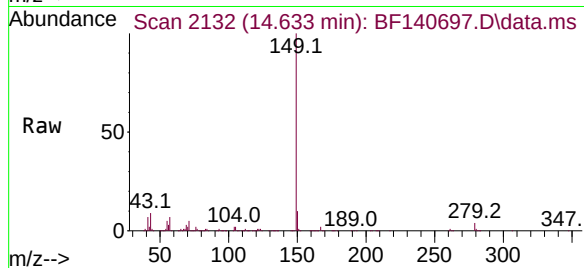
279 3.9 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 51.855 ng
RT: 14.633 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57

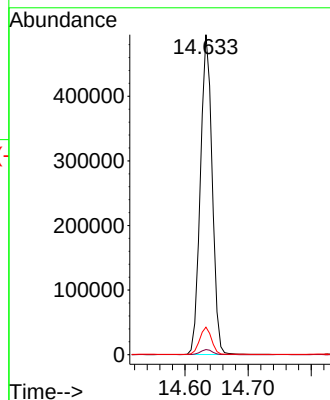
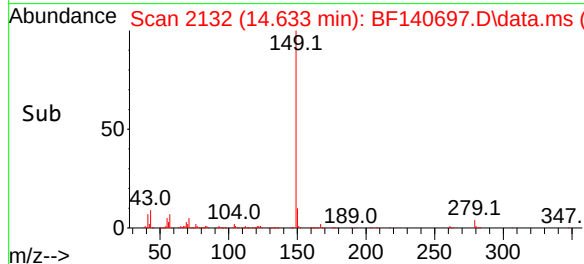
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMS



Tgt Ion:149 Resp: 641952
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.6 7.7 11.5

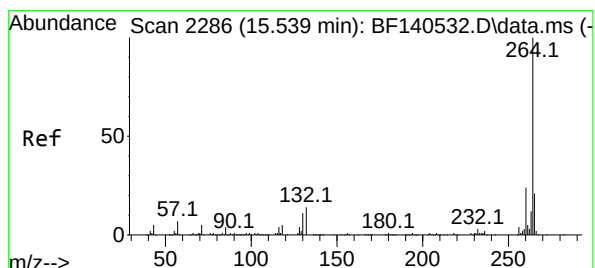
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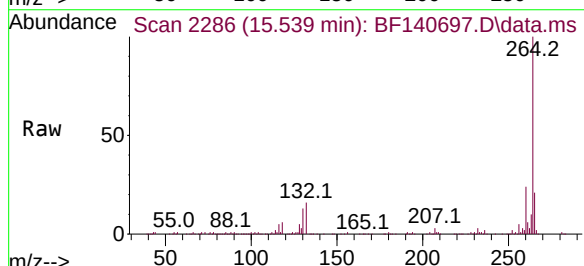


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Supervised By :mohammad
ahmed

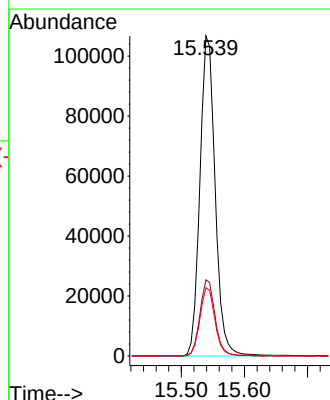
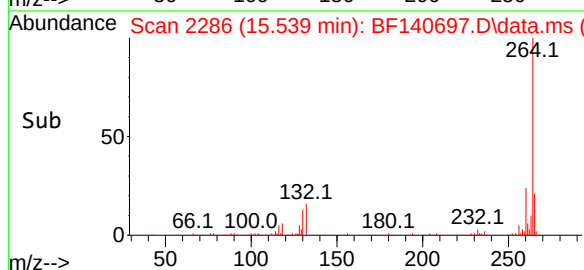
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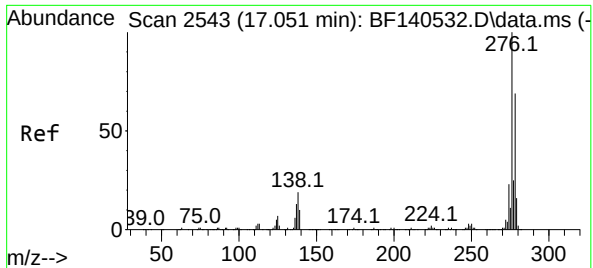


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140697.D
Acq: 02 Dec 2024 18:57



Tgt Ion:264 Resp: 179173
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.064 ng

RT: 17.056 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:276 Resp: 56122

Ion Ratio Lower Upper

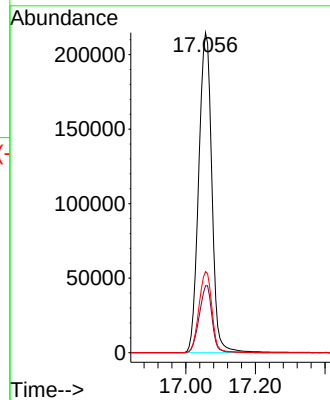
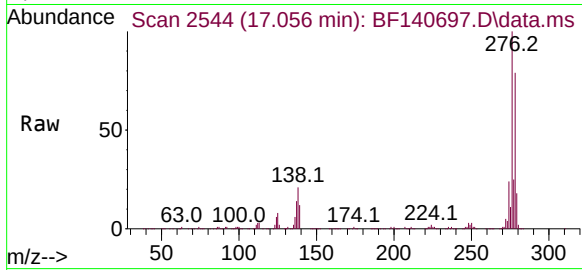
276 100

138 20.5 15.5 23.3

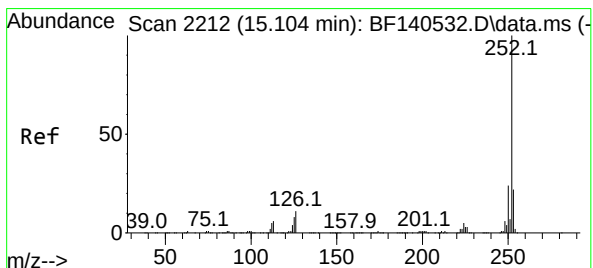
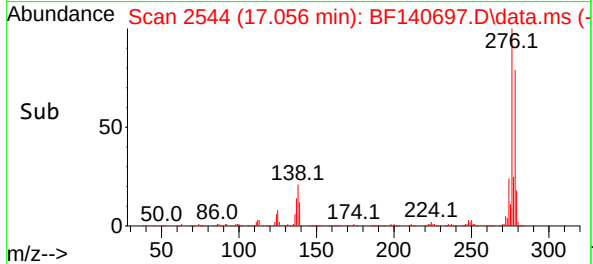
277 25.2 20.1 30.1

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Supervised By :mohammad
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#88

Benzo(b)fluoranthene

Concen: 50.108 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

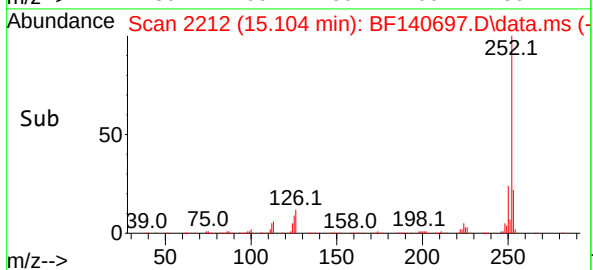
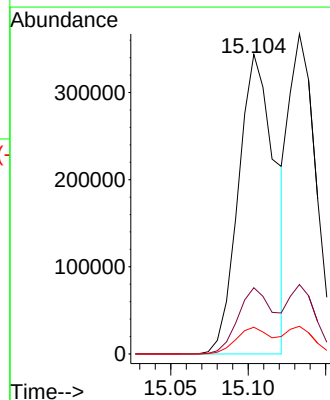
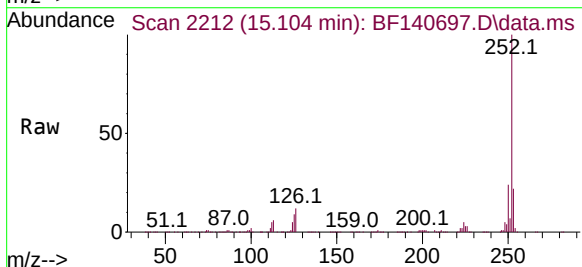
Tgt Ion:252 Resp: 563925

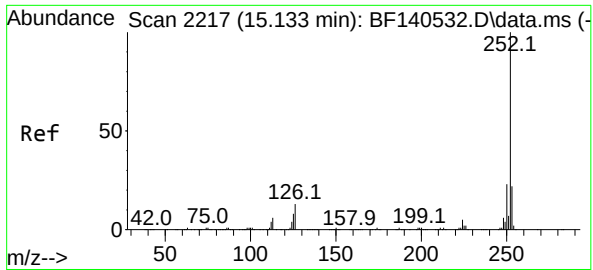
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 8.9 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 45.449 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:252 Resp: 44759

Ion Ratio Lower Upper

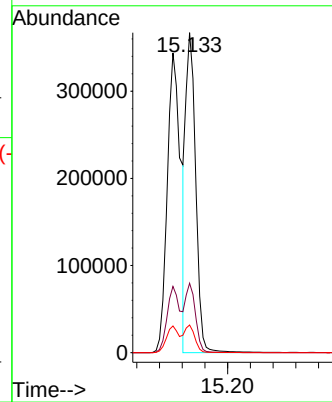
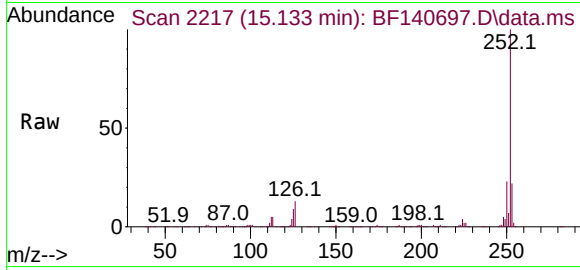
252 100

253 21.7 17.5 26.3

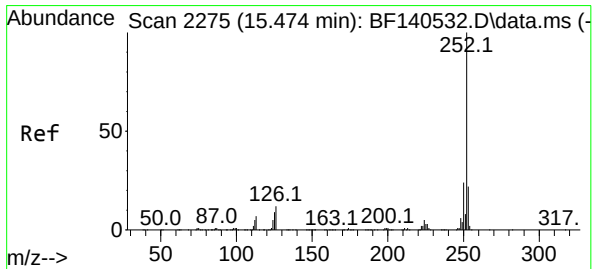
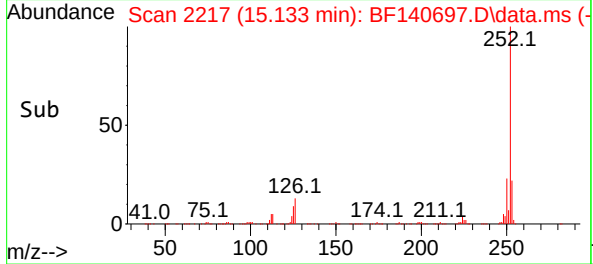
125 8.7 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

12/05/2024



#90

Benzo(a)pyrene

Concen: 51.833 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

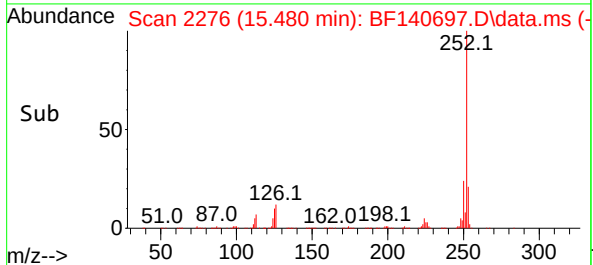
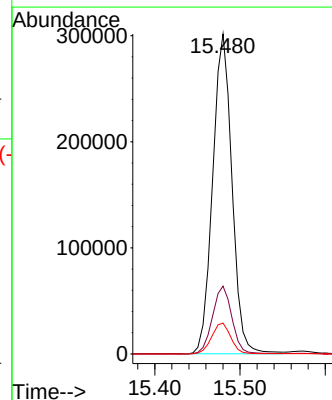
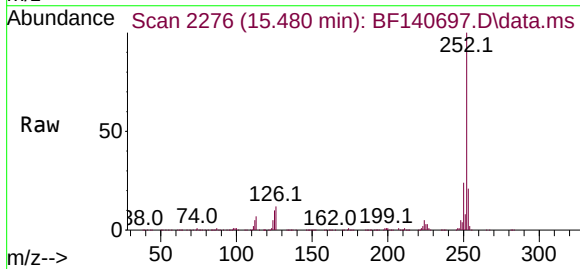
Tgt Ion:252 Resp: 474294

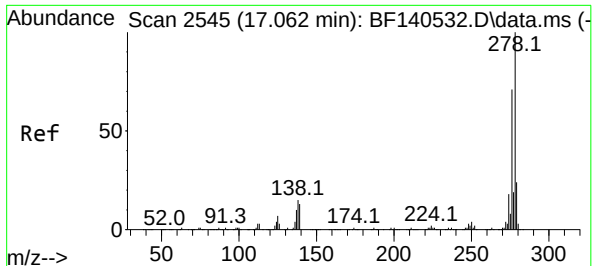
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 9.6 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 47.799 ng

RT: 17.068 min Scan# 2545

Delta R.T. 0.006 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMS

Tgt Ion:278 Resp: 457088

Ion Ratio Lower Upper

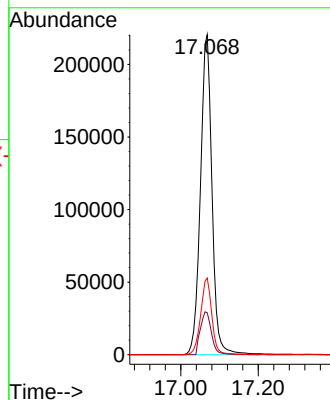
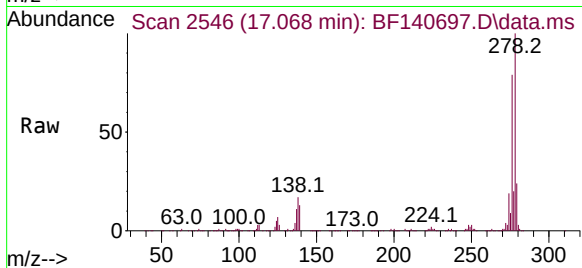
278 100

139 13.1 10.2 15.4

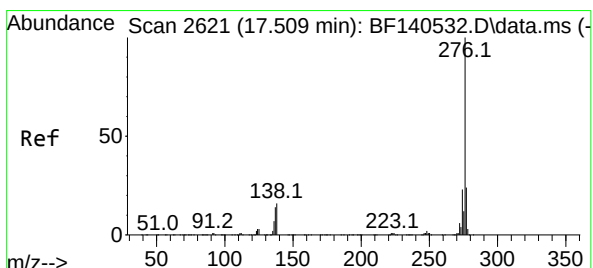
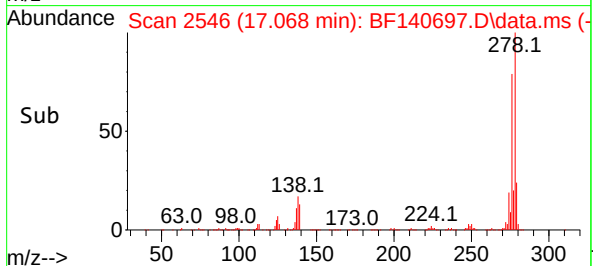
279 23.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay12/03/2024
Supervised By :mohammad
ahmed

12/05/2024



#92

Benzo(g,h,i)perylene

Concen: 43.889 ng

RT: 17.509 min Scan# 2621

Delta R.T. -0.000 min

Lab File: BF140697.D

Acq: 02 Dec 2024 18:57

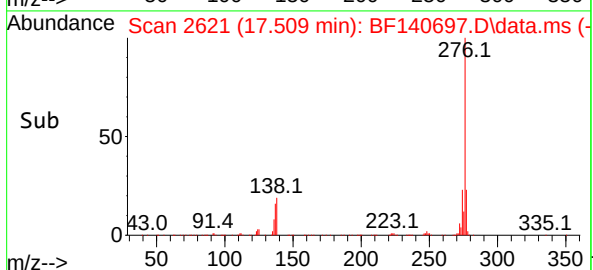
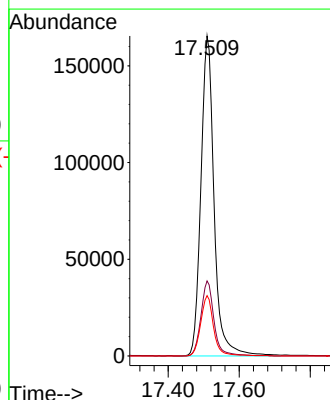
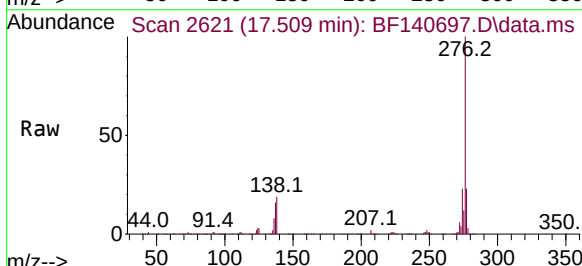
Tgt Ion:276 Resp: 428277

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 18.8 13.2 19.8



Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAMMSD	SDG No.:	P5026
Lab Sample ID:	P5026-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140698.D	1	12/02/24 09:00	12/02/24 19:23	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2.20		0.11	0.22	mg/Kg
208-96-8	Acenaphthylene	2.30		0.11	0.22	mg/Kg
83-32-9	Acenaphthene	2.20		0.10	0.22	mg/Kg
86-73-7	Fluorene	2.20		0.11	0.22	mg/Kg
85-01-8	Phenanthrene	2.30		0.11	0.22	mg/Kg
120-12-7	Anthracene	2.40		0.11	0.22	mg/Kg
206-44-0	Fluoranthene	2.40		0.10	0.22	mg/Kg
129-00-0	Pyrene	2.20		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	2.30		0.10	0.22	mg/Kg
218-01-9	Chrysene	2.30		0.10	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.40		0.10	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.50		0.11	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	2.70		0.12	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.20		0.10	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.10		0.10	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.00		0.10	0.22	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.7		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.4		20 - 109	56%	SPK: 100
1718-51-0	Terphenyl-d14	51.2		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79700		6.869		
1146-65-2	Naphthalene-d8	312000		8.151		
15067-26-2	Acenaphthene-d10	179000		9.91		
1517-22-2	Phenanthrene-d10	337000		11.398		
1719-03-5	Chrysene-d12	217000		14.051		
1520-96-3	Perylene-d12	165000		15.539		

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	11/27/24
Project:	Hamilton	Date Received:	11/27/24
Client Sample ID:	SOIL-1-HAMMSD	SDG No.:	P5026
Lab Sample ID:	P5026-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140698.D	1	12/02/24 09:00	12/02/24 19:23	PB165312

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\BF120224\
 Data File : BF140698.D
 Acq On : 02 Dec 2024 19:23
 Operator : RC/JU
 Sample : P5026-05MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 00:05:34 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	79657	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	312268	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	178661	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	336781	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217135	20.000	ng	0.00
86) Perylene-d12	15.539	264	164773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	419830	89.925	ng	0.00
7) Phenol-d6	6.510	99	550647	89.216	ng	0.00
23) Nitrobenzene-d5	7.433	82	352369	57.719	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	167906	87.872	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	676167	56.389	ng	-0.01
79) Terphenyl-d14	12.980	244	714513	51.240	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	94211	47.995	ng	99
3) Pyridine	3.475	79	230481	53.366	ng	99
4) n-Nitrosodimethylamine	3.434	42	124593	49.084	ng	90
6) Aniline	6.534	93	219863	50.610	ng	94
8) 2-Chlorophenol	6.663	128	276737	55.097	ng	95
9) Benzaldehyde	6.422	77	96302	29.474	ng	100
10) Phenol	6.528	94	360754	57.233	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	254946	52.856	ng	100
12) 1,3-Dichlorobenzene	6.810	146	286720	50.803	ng	99
13) 1,4-Dichlorobenzene	6.886	146	296042	51.805	ng	99
14) 1,2-Dichlorobenzene	7.039	146	280397	52.364	ng	100
15) Benzyl Alcohol	7.016	79	252958	55.265	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	317603	55.736	ng	90
17) 2-Methylphenol	7.128	107	217313	54.049	ng	97
18) Hexachloroethane	7.381	117	107705	50.463	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	194291	53.264	ng	97
20) 3+4-Methylphenols	7.286	107	283449	54.848	ng	# 91
22) Acetophenone	7.281	105	376247	49.422	ng	97
24) Nitrobenzene	7.451	77	301973	47.859	ng	99
25) Isophorone	7.692	82	535049	52.546	ng	99
26) 2-Nitrophenol	7.769	139	152098	54.396	ng	95
27) 2,4-Dimethylphenol	7.810	122	226936m	67.833	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	329168	53.064	ng	99
29) 2,4-Dichlorophenol	8.016	162	240204	54.185	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	246073	48.616	ng	99
31) Naphthalene	8.175	128	818308	50.875	ng	99
32) Benzoic acid	7.945	122	125984	43.982	ng	94
33) 4-Chloroaniline	8.222	127	100122	20.790	ng	98
34) Hexachlorobutadiene	8.286	225	162697	48.529	ng	100
35) Caprolactam	8.598	113	77302m	56.347	ng	
36) 4-Chloro-3-methylphenol	8.716	107	268516	54.099	ng	100
37) 2-Methylnaphthalene	8.863	142	533953	52.265	ng	99
38) 1-Methylnaphthalene	8.963	142	501673	50.097	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	263275	50.336	ng	99
41) Hexachlorocyclopentadiene	9.016	237	209986	169.623	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	164648	50.168	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140698.D
 Acq On : 02 Dec 2024 19:23
 Operator : RC/JU
 Sample : P5026-05MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAMMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 00:05:34 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	182267	51.172	ng	98
46) 1,1'-Biphenyl	9.327	154	681374	51.081	ng	99
47) 2-Chloronaphthalene	9.357	162	512365	50.693	ng	98
48) 2-Nitroaniline	9.457	65	170492	52.552	ng	94
49) Acenaphthylene	9.769	152	838978	54.938	ng	99
50) Dimethylphthalate	9.627	163	628031	53.374	ng	100
51) 2,6-Dinitrotoluene	9.698	165	135837	50.902	ng	93
52) Acenaphthene	9.945	154	508773	52.433	ng	99
53) 3-Nitroaniline	9.869	138	84129	32.233	ng	95
54) 2,4-Dinitrophenol	9.986	184	140162	99.320	ng	92
55) Dibenzofuran	10.116	168	767785	51.875	ng	99
56) 4-Nitrophenol	10.045	139	173362	97.394	ng	93
57) 2,4-Dinitrotoluene	10.104	165	184775	52.099	ng	98
58) Fluorene	10.457	166	618783	52.086	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	157369	57.488	ng	93
60) Diethylphthalate	10.327	149	622107	52.037	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	300216	51.493	ng	99
62) 4-Nitroaniline	10.486	138	147772	53.983	ng	92
63) Azobenzene	10.610	77	642082	56.714	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	102299	59.443	ng	98
66) n-Nitrosodiphenylamine	10.569	169	537070	53.925	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	181516	52.335	ng	97
68) Hexachlorobenzene	11.010	284	209827	52.248	ng	99
69) Atrazine	11.098	200	177122	63.217	ng	99
70) Pentachlorophenol	11.210	266	173723	98.286	ng	99
71) Phenanthrene	11.427	178	882952	54.541	ng	100
72) Anthracene	11.474	178	900612	56.872	ng	100
73) Carbazole	11.633	167	830304	54.503	ng	100
74) Di-n-butylphthalate	11.951	149	967085	54.987	ng	100
75) Fluoranthene	12.615	202	987002	56.154	ng	99
77) Benzidine	12.739	184	283123	44.847	ng	99
78) Pyrene	12.845	202	1017400	50.675	ng	99
80) Butylbenzylphthalate	13.457	149	389520	53.857	ng	99
81) Benzo(a)anthracene	14.039	228	783436	54.506	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	134922	31.265	ng	99
83) Chrysene	14.074	228	706592	53.762	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	508699	55.702	ng	99
85) Di-n-octyl phthalate	14.633	149	714100	57.216	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	548707	51.099	ng	98
88) Benzo(b)fluoranthene	15.104	252	586026	56.623	ng	99
89) Benzo(k)fluoranthene	15.133	252	522940	57.740	ng	100
90) Benzo(a)pyrene	15.480	252	528843	62.845	ng	98
91) Dibenzo(a,h)anthracene	17.062	278	439698	49.999	ng	99
92) Benzo(g,h,i)perylene	17.509	276	420045	46.808	ng	98

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

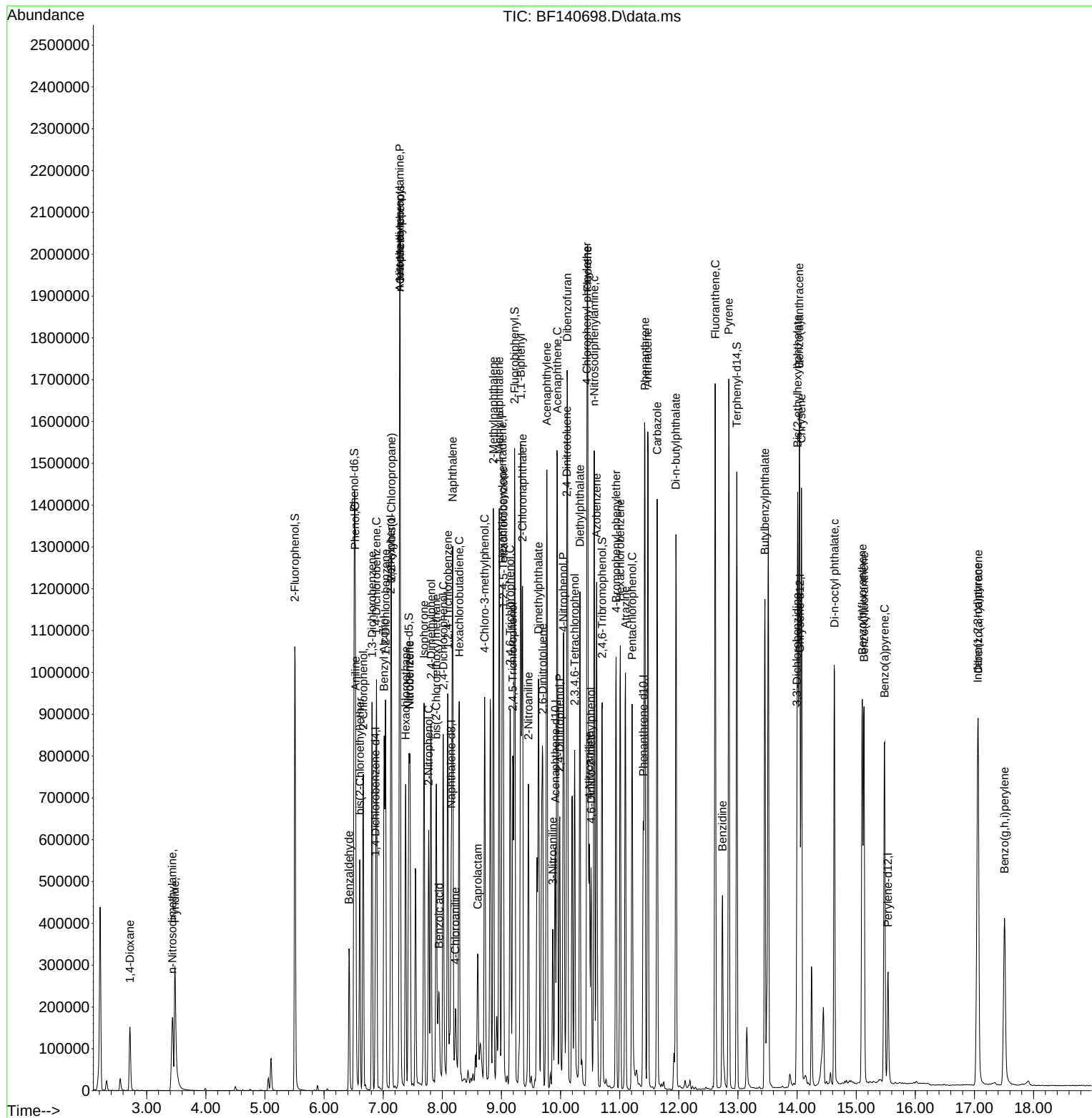
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Data File : BF140698.D
Acq On    : 02 Dec 2024   19:23
Operator  : RC/JU
Sample    : P5026-05MSD
Misc      :
ALS Vial  : 22      Sample Multiplier: 1
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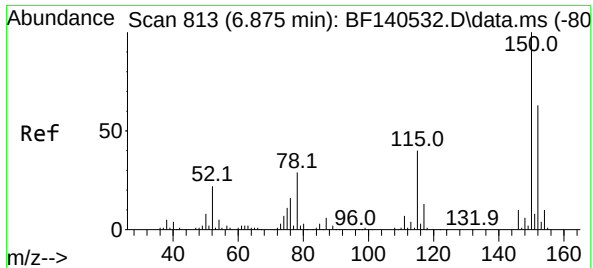
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

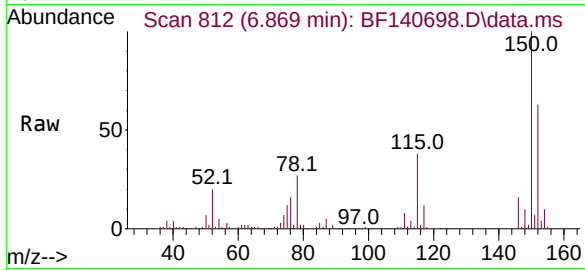
Quant Time: Dec 03 00:05:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

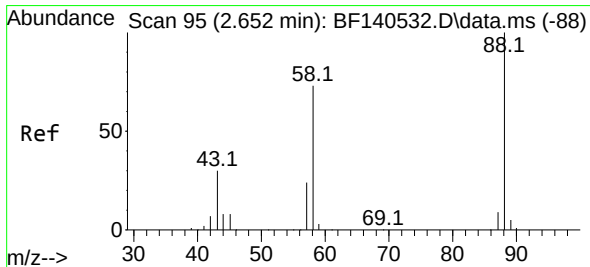
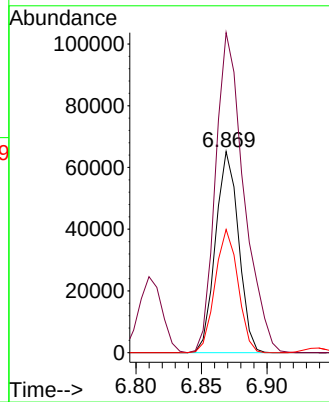
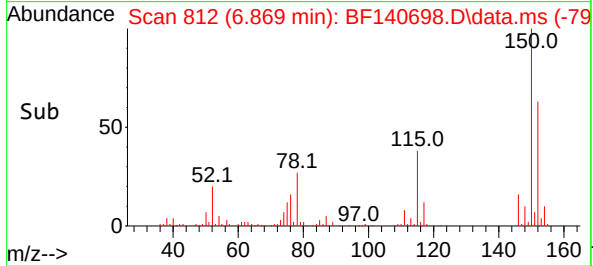
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:152 Resp: 7965
Ion Ratio Lower Upper
152 100
150 159.1 128.5 192.7
115 61.2 50.2 75.4

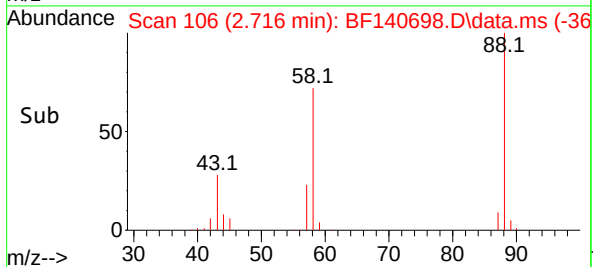
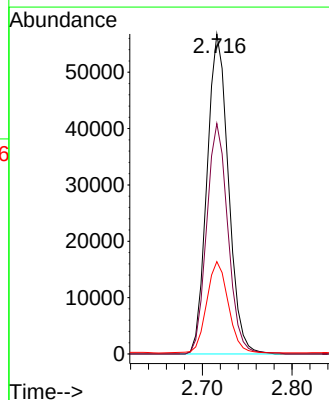
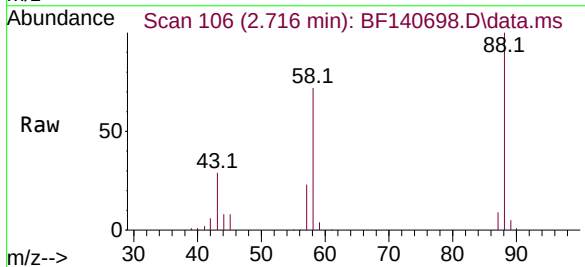
Manual Integrations
APPROVED

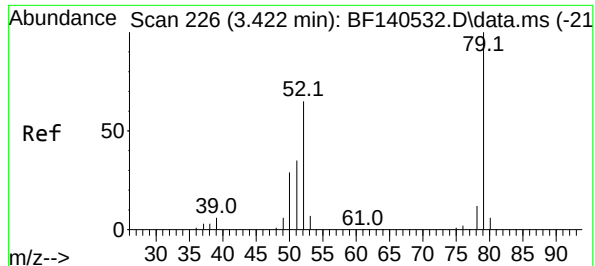
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#2
1,4-Dioxane
Concen: 47.995 ng
RT: 2.716 min Scan# 106
Delta R.T. 0.065 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 88 Resp: 94211
Ion Ratio Lower Upper
88 100
58 71.6 57.4 86.2
43 28.8 24.3 36.5





#3

Pyridine

Concen: 53.366 ng

RT: 3.475 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 79 Resp: 23048

Ion Ratio Lower Upper

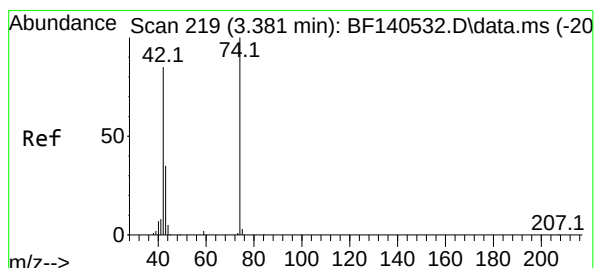
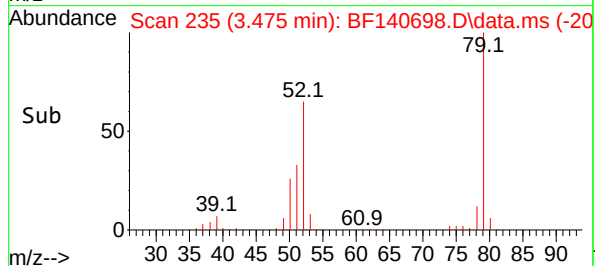
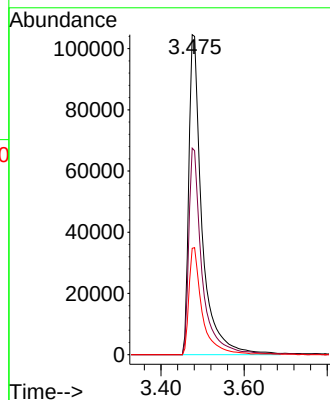
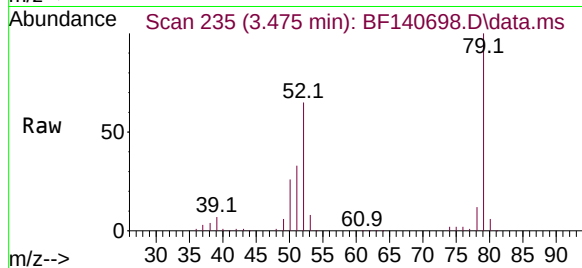
79 100

52 64.5 52.1 78.1

51 33.2 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#4

n-Nitrosodimethylamine

Concen: 49.084 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.053 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

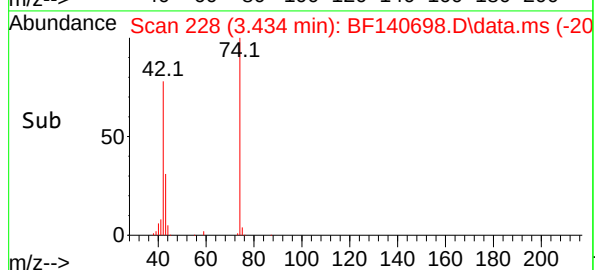
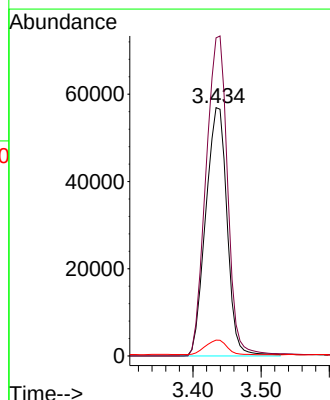
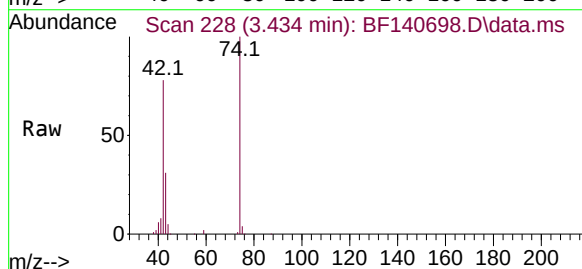
Tgt Ion: 42 Resp: 124593

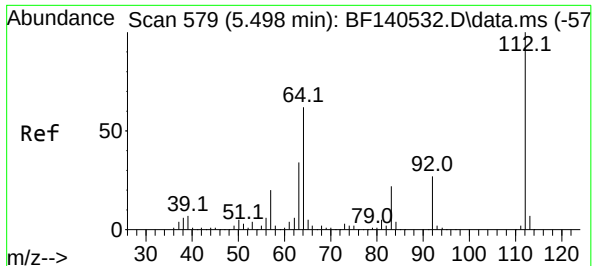
Ion Ratio Lower Upper

42 100

74 128.1 93.8 140.6

44 6.4 4.6 6.8





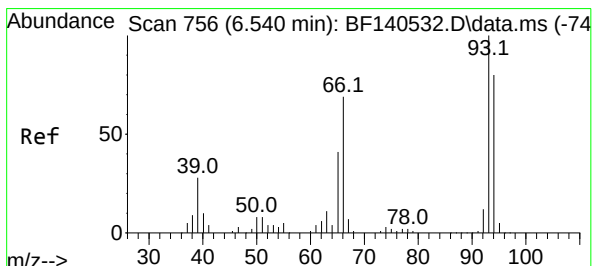
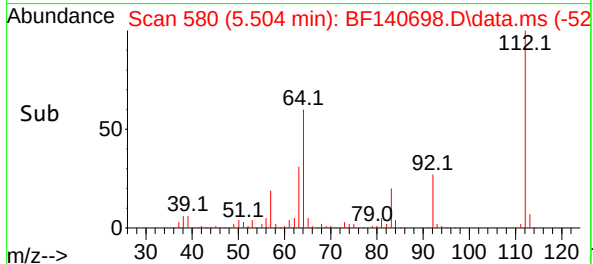
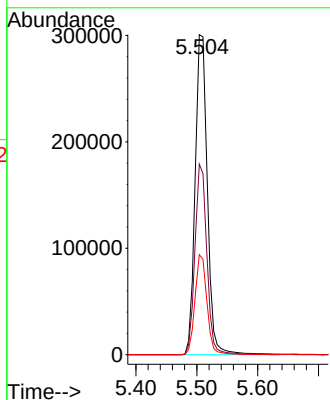
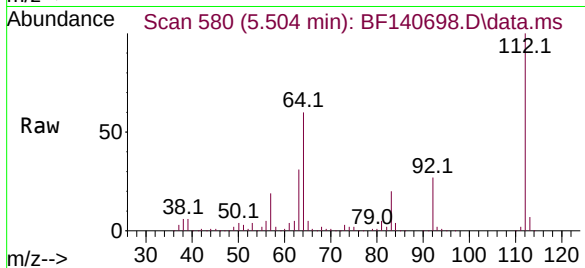
#5
2-Fluorophenol
Concen: 89.925 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:112 Resp: 419830
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 31.2 27.0 40.4

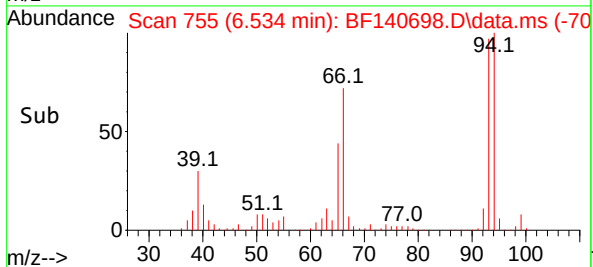
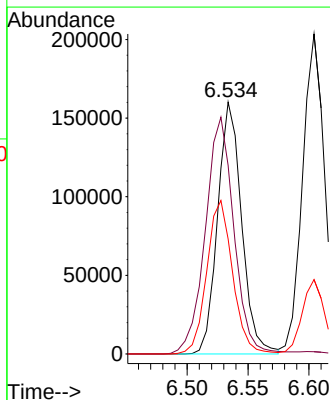
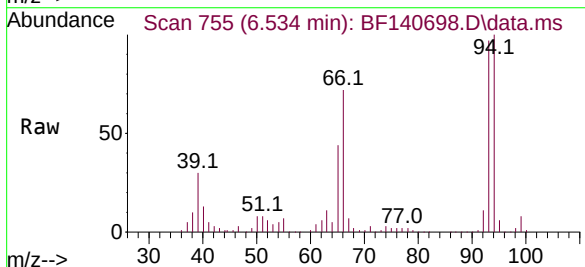
Manual Integrations
APPROVED

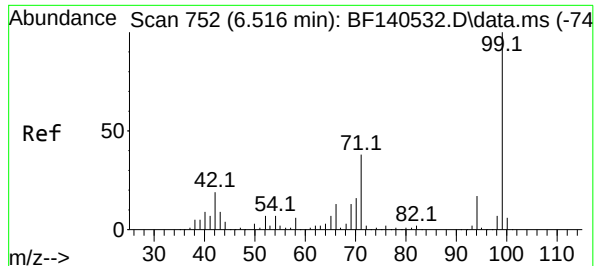
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#6
Aniline
Concen: 50.610 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

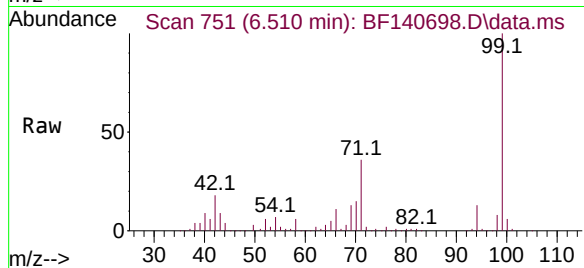
Tgt Ion: 93 Resp: 219863
Ion Ratio Lower Upper
93 100
66 74.9 56.5 84.7
65 45.7 32.9 49.3





#7
Phenol-d6
Concen: 89.216 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

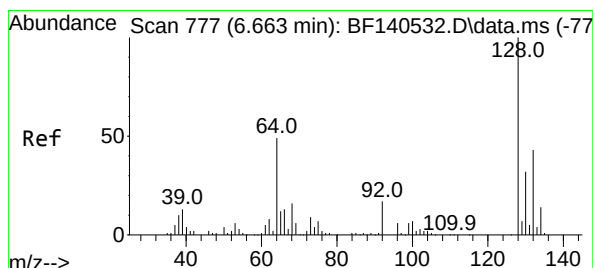
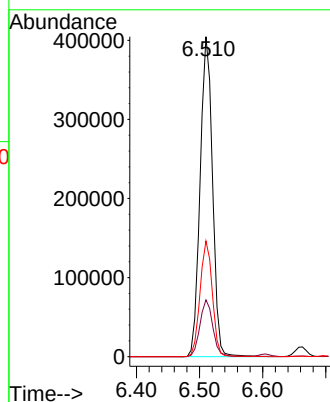
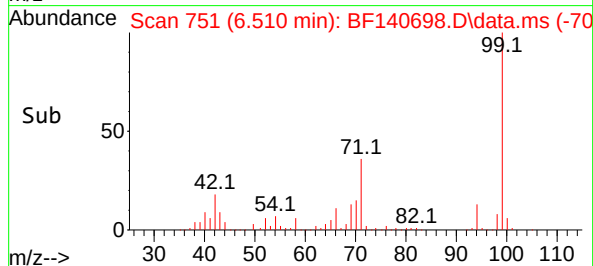
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion: 99 Resp: 55064
Ion Ratio Lower Upper
99 100
42 17.8 15.4 23.0
71 36.2 30.6 46.0

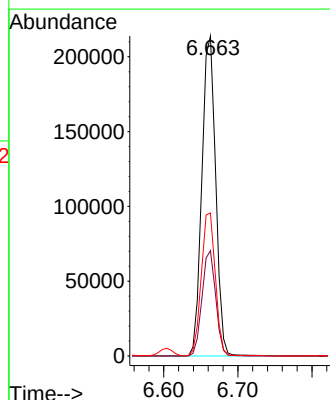
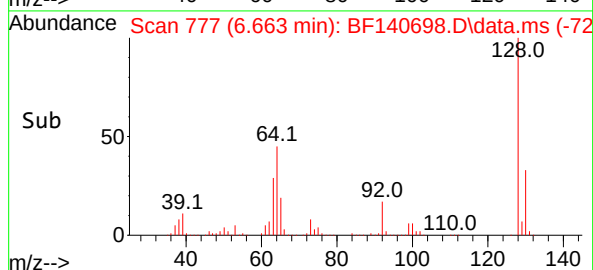
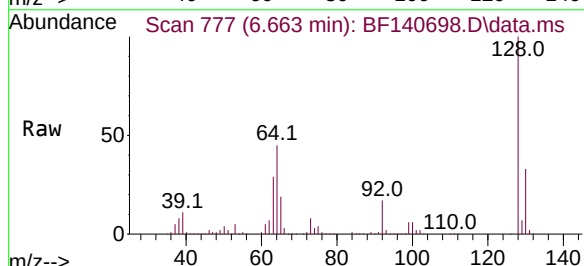
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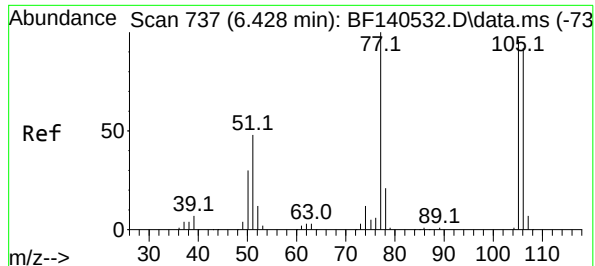
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#8
2-Chlorophenol
Concen: 55.097 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:128 Resp: 276737
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 44.7 30.2 70.2





#9

Benzaldehyde

Concen: 29.474 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 77 Resp: 96302

Ion Ratio Lower Upper

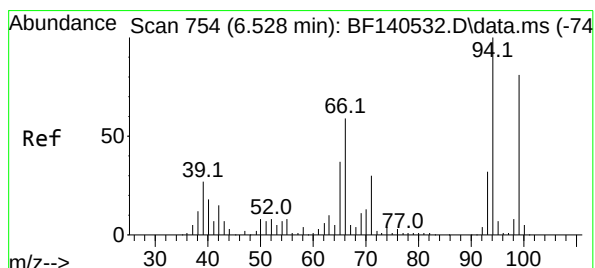
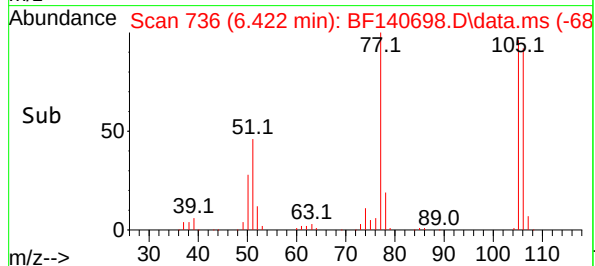
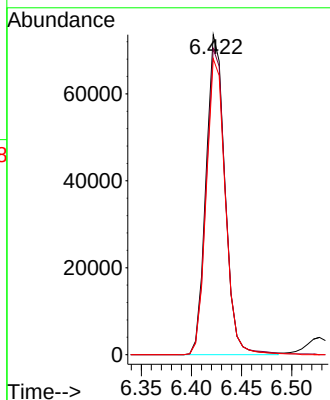
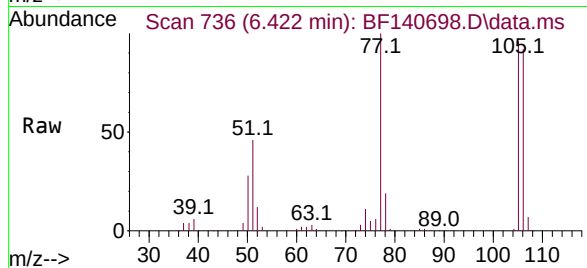
77 100

105 95.7 75.6 115.6

106 92.5 72.0 112.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#10

Phenol

Concen: 57.233 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

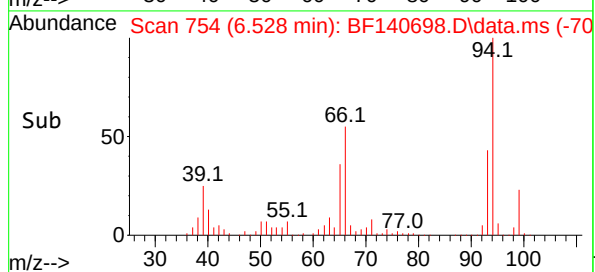
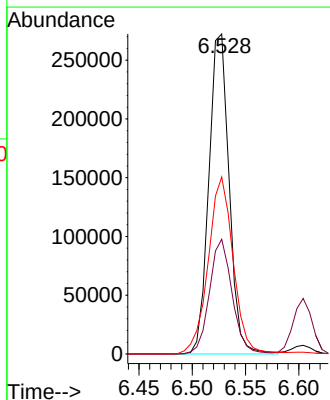
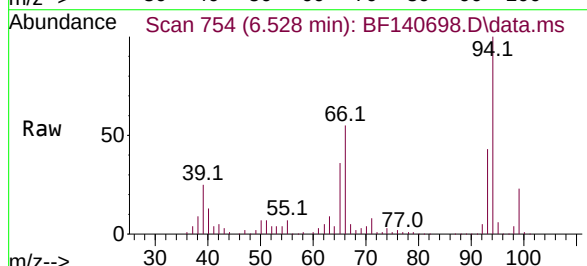
Tgt Ion: 94 Resp: 360754

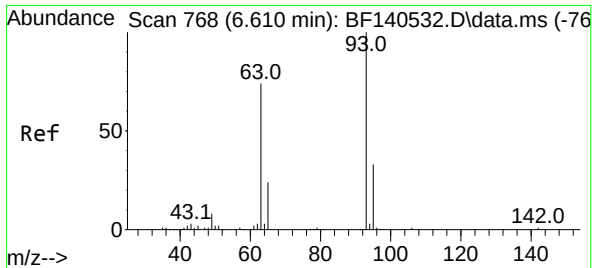
Ion Ratio Lower Upper

94 100

65 35.8 17.2 57.2

66 55.3 39.2 79.2





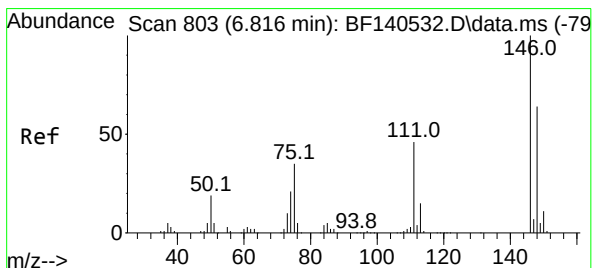
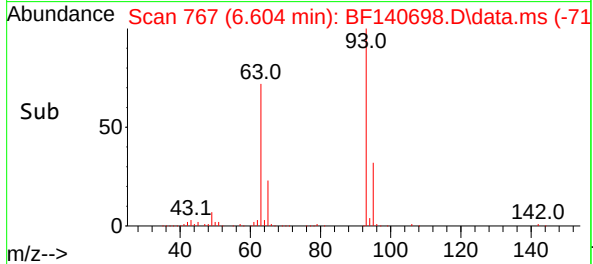
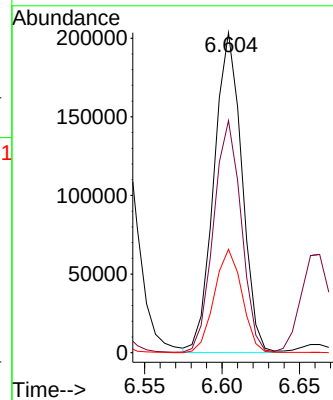
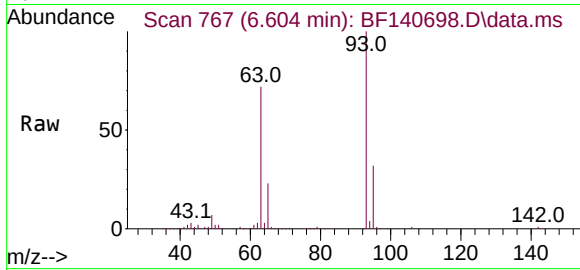
#11
bis(2-Chloroethyl)ether
Concen: 52.856 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion: 93 Resp: 254940
Ion Ratio Lower Upper
93 100
63 72.5 52.8 92.8
95 32.3 12.3 52.3

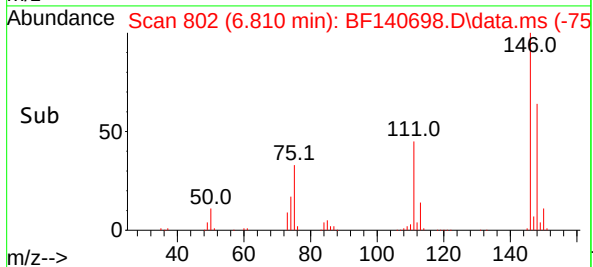
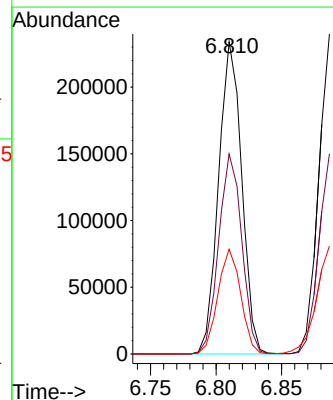
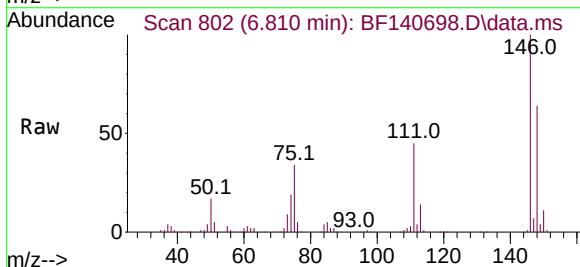
Manual Integrations
APPROVED

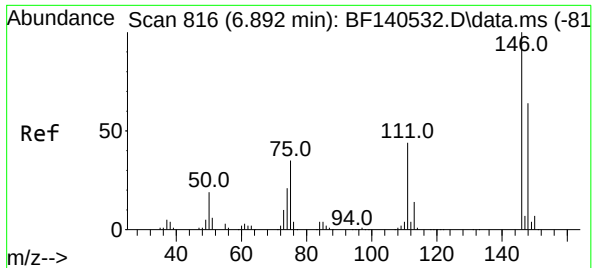
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#12
1,3-Dichlorobenzene
Concen: 50.803 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:146 Resp: 286720
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 33.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 51.805 ng

RT: 6.886 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:146 Resp: 29604

Ion Ratio Lower Upper

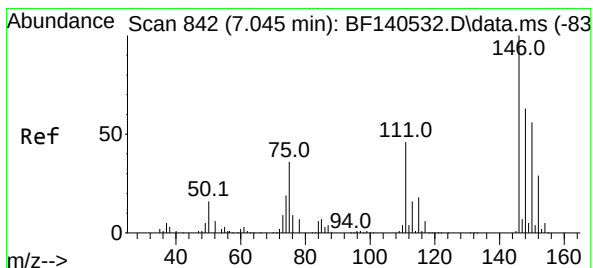
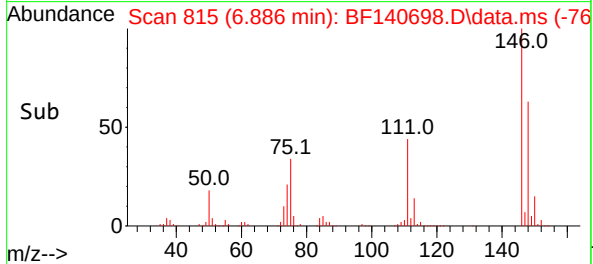
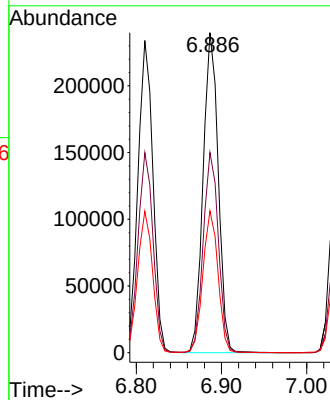
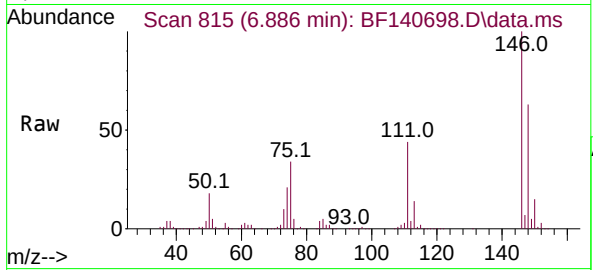
146 100

148 62.5 51.0 76.6

111 44.3 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#14

1,2-Dichlorobenzene

Concen: 52.364 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

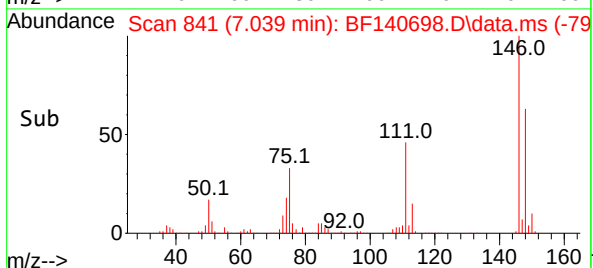
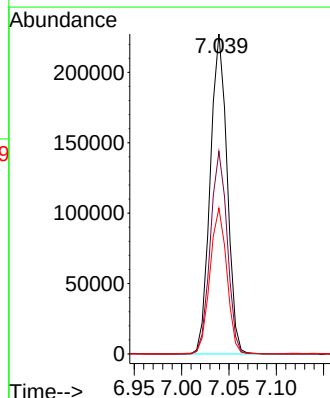
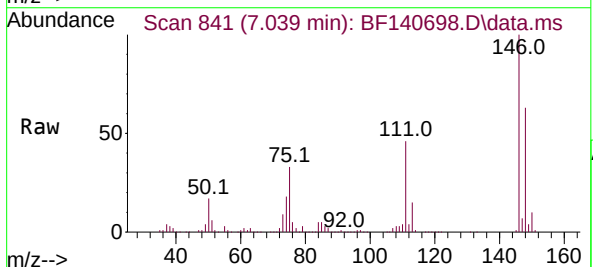
Tgt Ion:146 Resp: 280397

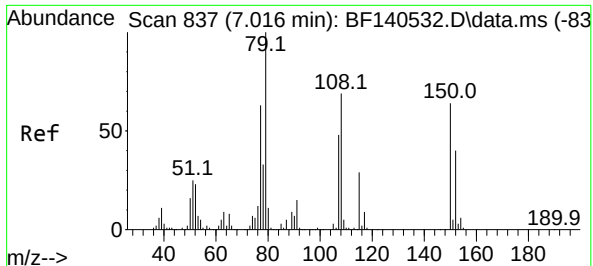
Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

111 45.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 55.265 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 79 Resp: 252958

Ion Ratio Lower Upper

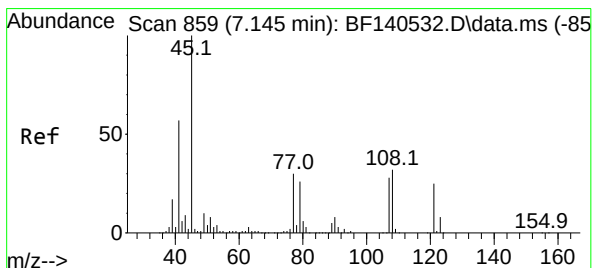
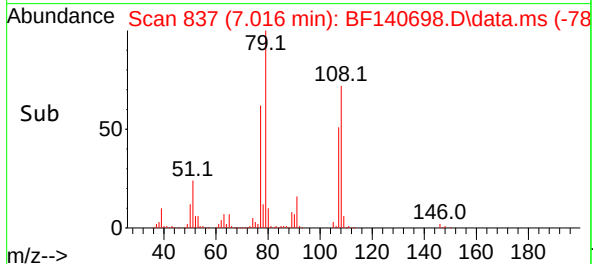
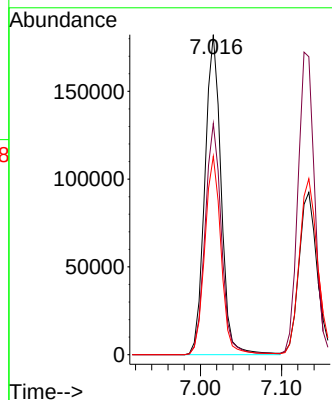
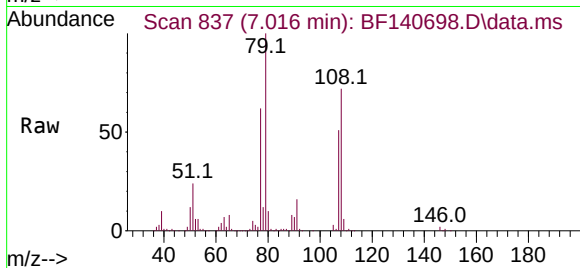
79 100

108 72.3 55.0 82.6

77 62.0 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 55.736 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

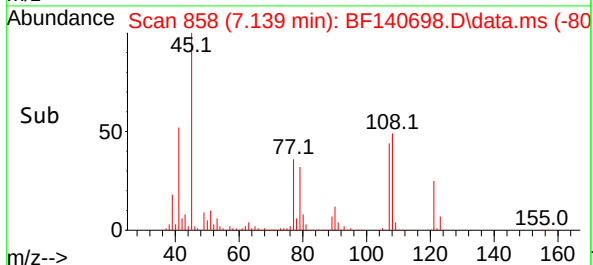
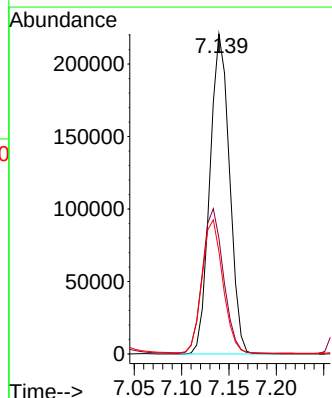
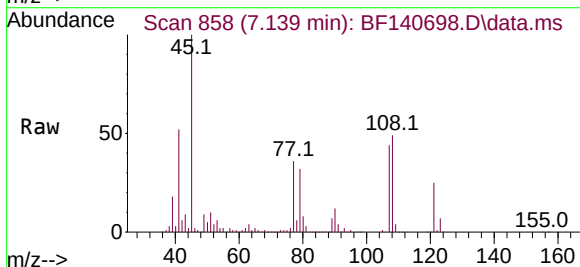
Tgt Ion: 45 Resp: 317603

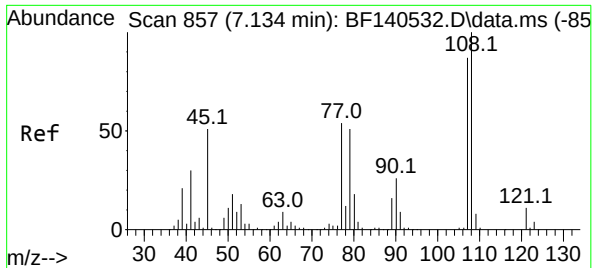
Ion Ratio Lower Upper

45 100

77 36.2 10.7 50.7

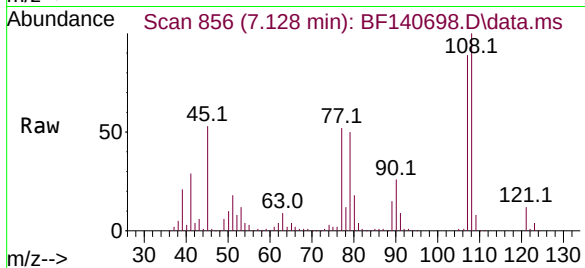
79 32.1 7.0 47.0





#17
2-Methylphenol
Concen: 54.049 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

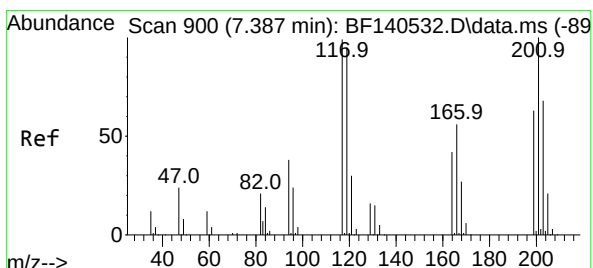
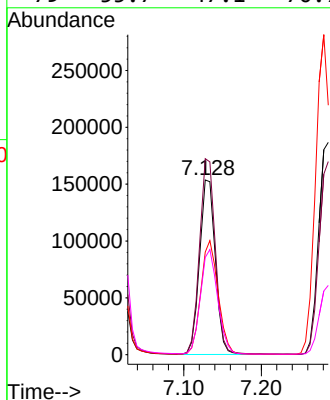
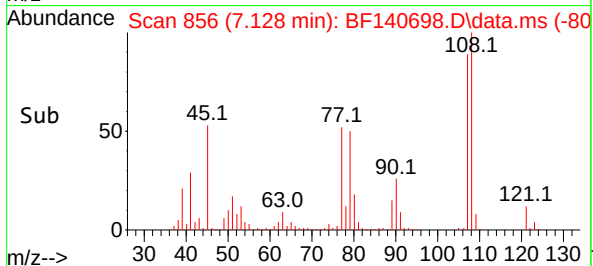
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:107 Resp: 21731
Ion Ratio Lower Upper
107 100
108 112.2 91.7 137.5
77 58.7 49.3 73.9
79 55.7 47.1 70.7

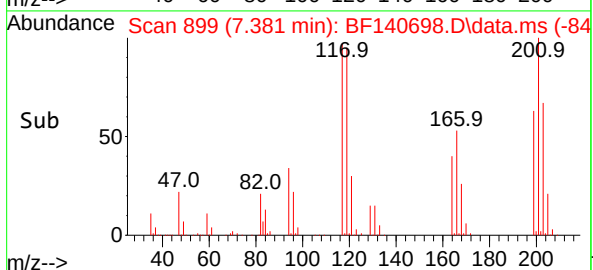
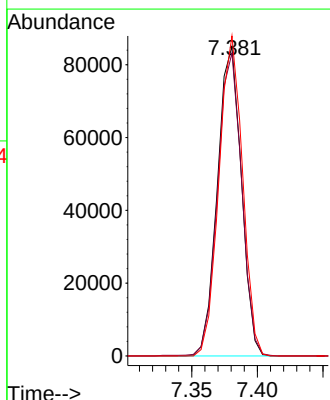
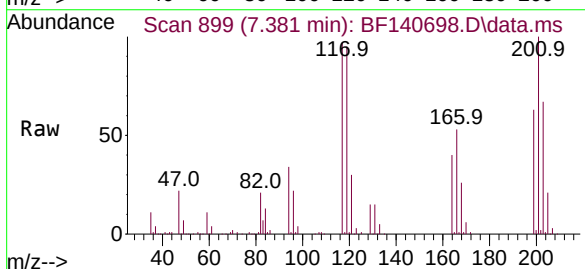
Manual Integrations
APPROVED

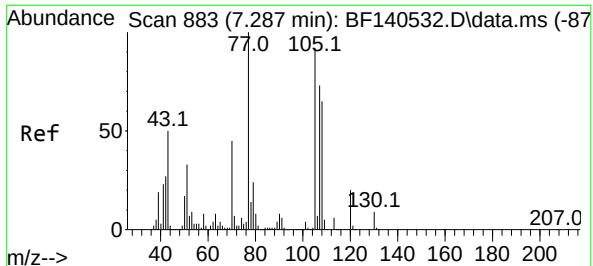
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#18
Hexachloroethane
Concen: 50.463 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:117 Resp: 107705
Ion Ratio Lower Upper
117 100
119 97.8 77.1 115.7
201 103.3 81.1 121.7





#19

n-Nitroso-di-n-propylamine

Concen: 53.264 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 70 Resp: 19429

Ion Ratio Lower Upper

70 100

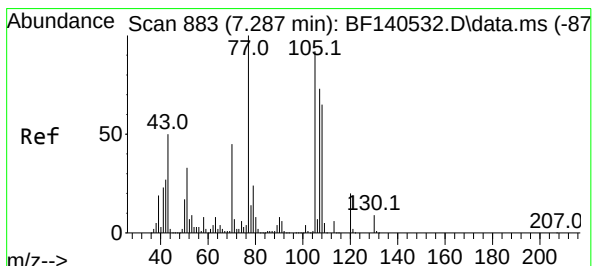
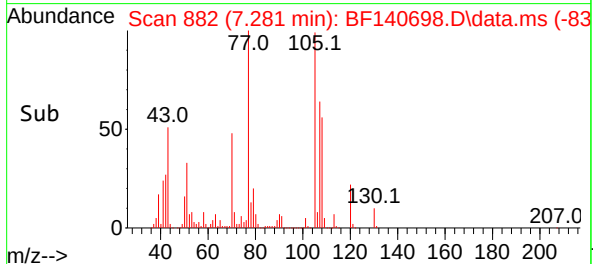
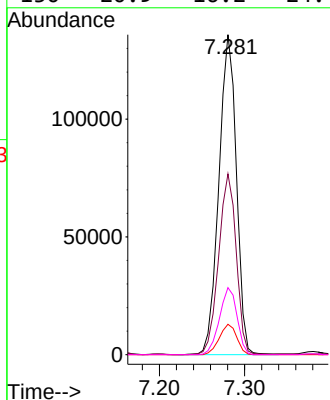
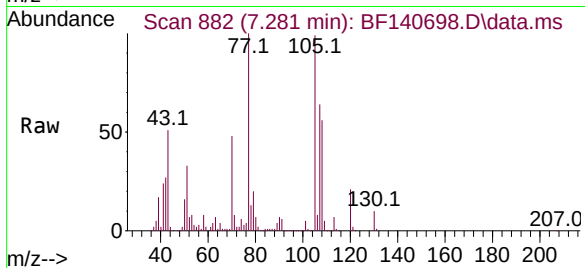
42 56.5 47.6 71.4

101 9.5 7.6 11.4

130 20.9 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#20

3+4-Methylphenols

Concen: 54.848 ng

RT: 7.286 min Scan# 883

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Tgt Ion:107 Resp: 283449

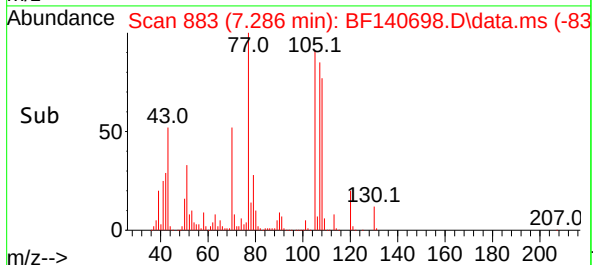
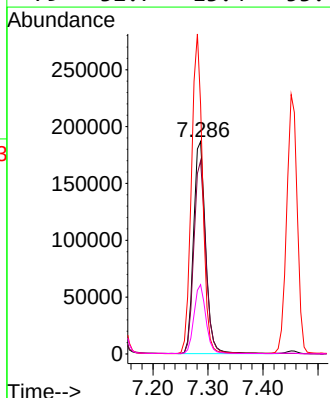
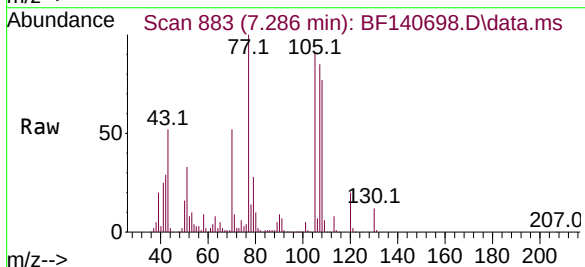
Ion Ratio Lower Upper

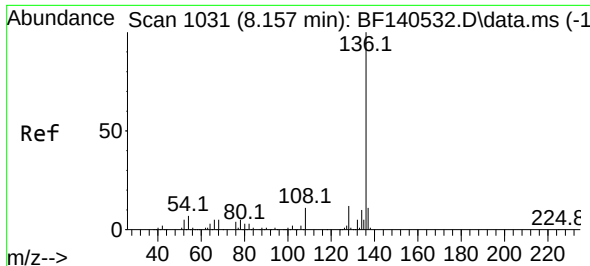
107 100

108 91.0 69.9 109.9

77 117.5 117.7 157.7#

79 32.7 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: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:136 Resp: 31226

Ion Ratio Lower Upper

136 100

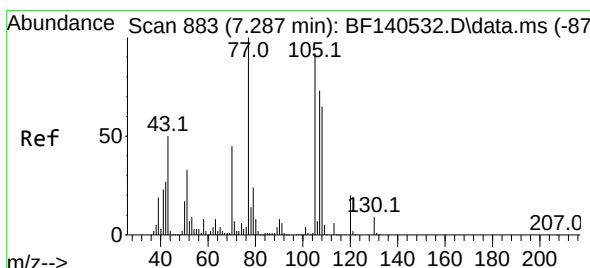
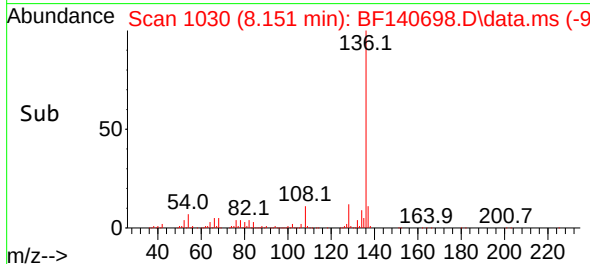
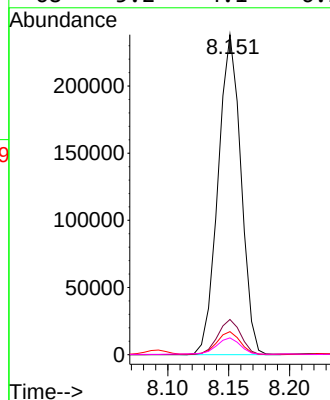
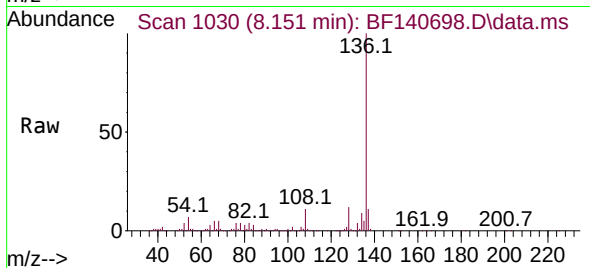
137 11.0 8.6 13.0

54 7.2 5.8 8.8

68 5.2 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#22

Acetophenone

Concen: 49.422 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Tgt Ion:105 Resp: 376247

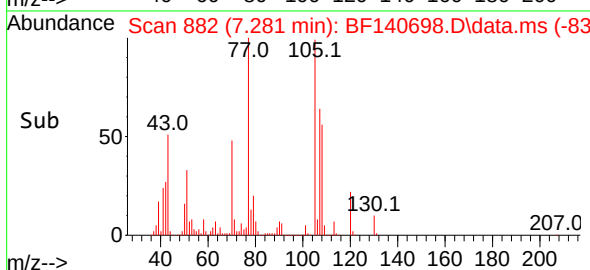
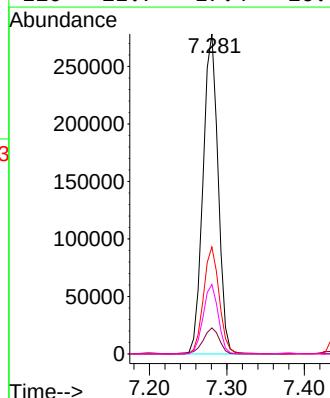
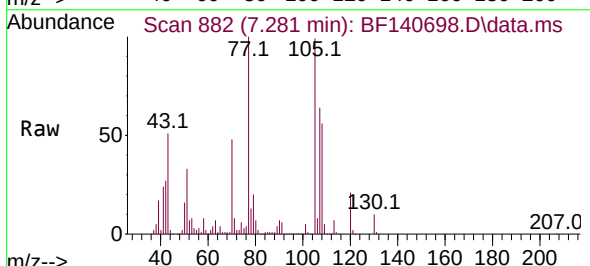
Ion Ratio Lower Upper

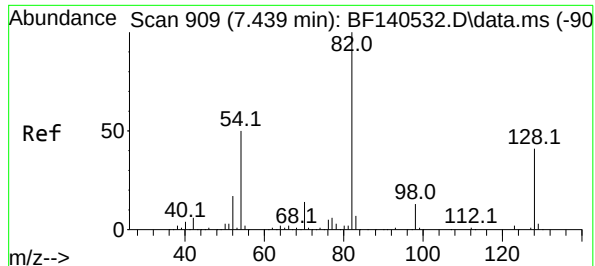
105 100

71 8.1 6.2 9.2

51 33.5 29.0 43.6

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 57.719 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 82 Resp: 352369

Ion Ratio Lower Upper

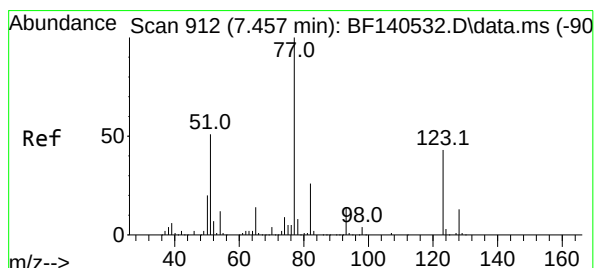
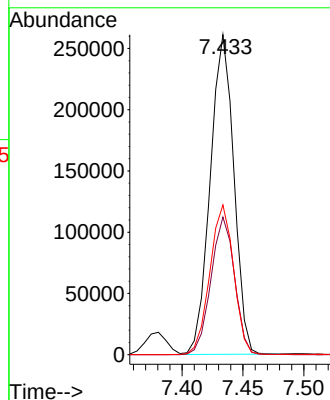
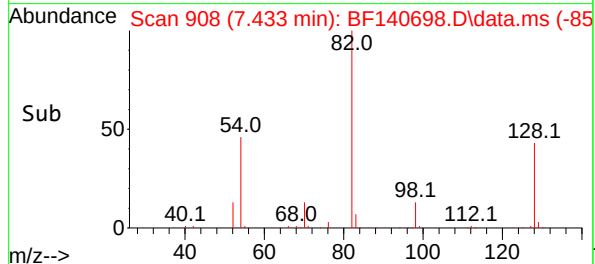
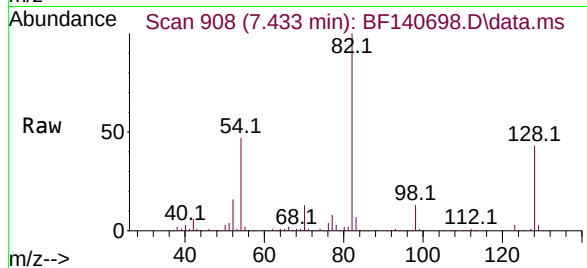
82 100

128 43.0 33.0 49.4

54 46.8 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#24

Nitrobenzene

Concen: 47.859 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

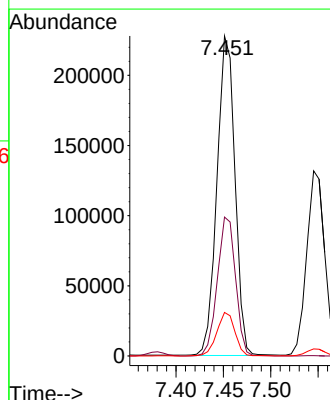
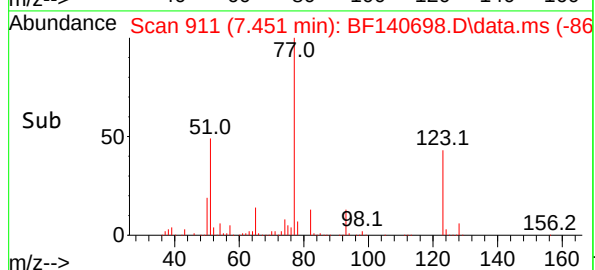
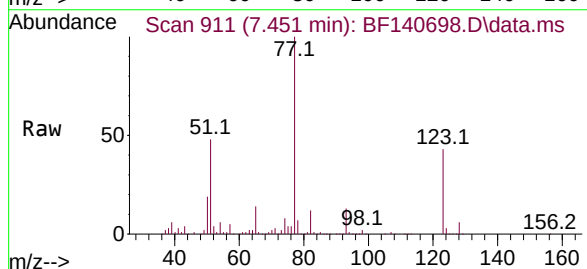
Tgt Ion: 77 Resp: 301973

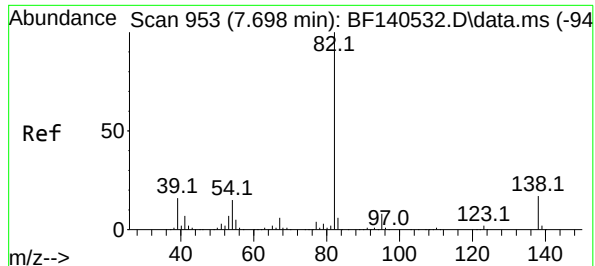
Ion Ratio Lower Upper

77 100

123 43.4 34.3 51.5

65 13.6 11.2 16.8





#25

Isophorone

Concen: 52.546 ng

RT: 7.692 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion: 82 Resp: 535049

Ion Ratio Lower Upper

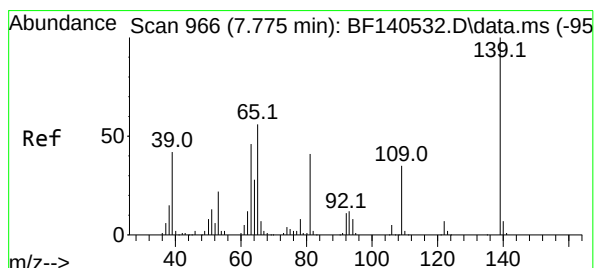
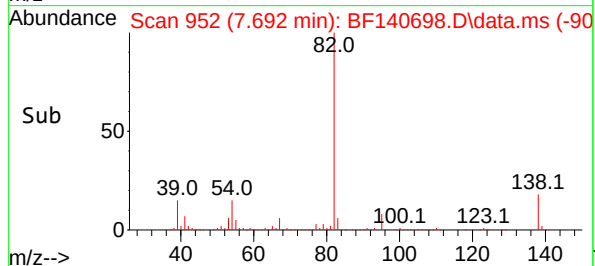
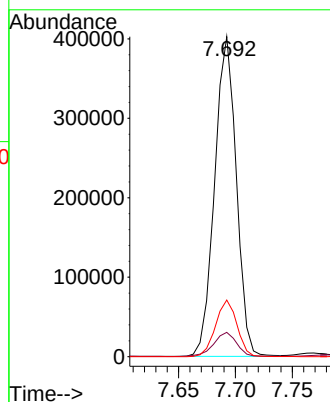
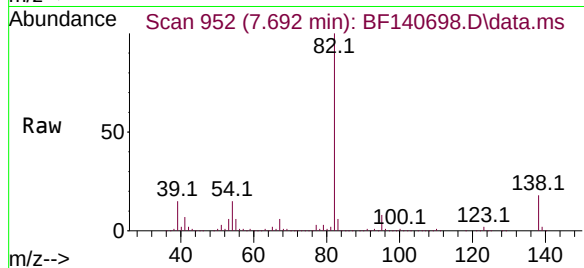
82 100

95 7.6 6.4 9.6

138 17.7 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#26

2-Nitrophenol

Concen: 54.396 ng

RT: 7.769 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

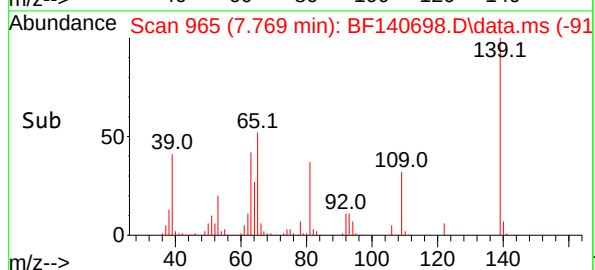
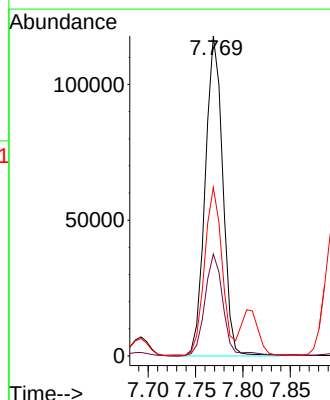
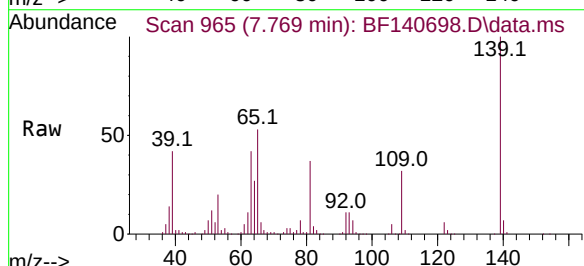
Tgt Ion:139 Resp: 152098

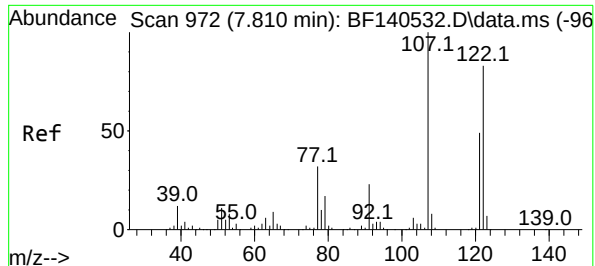
Ion Ratio Lower Upper

139 100

109 31.9 28.0 42.0

65 52.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 67.833 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:122 Resp: 226930

Ion Ratio Lower Upper

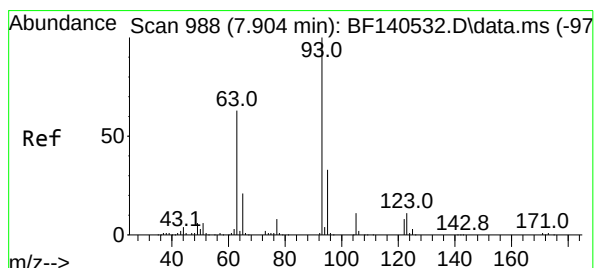
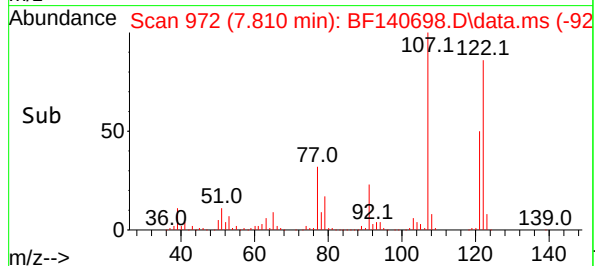
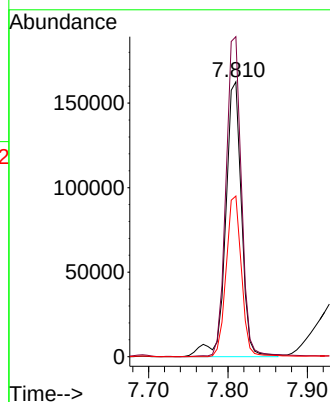
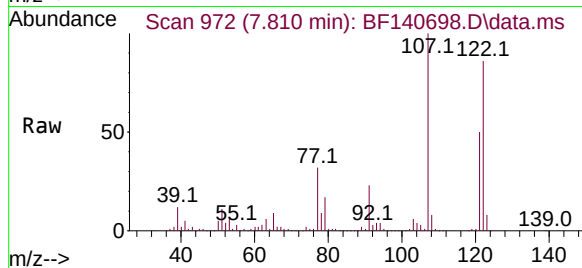
122 100

107 116.4 96.8 145.2

121 58.5 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#28

bis(2-Chloroethoxy)methane

Concen: 53.064 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

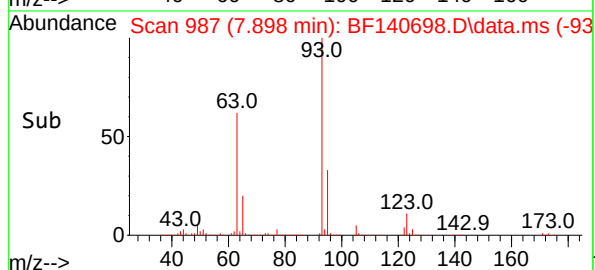
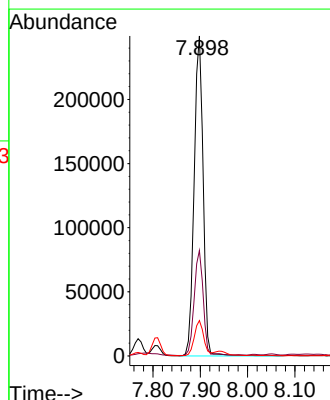
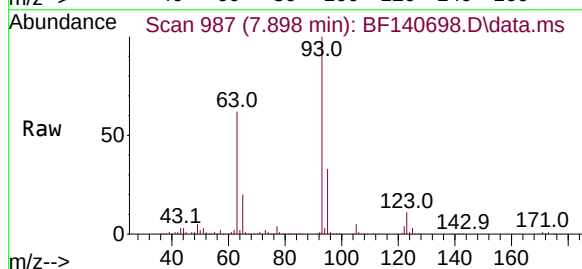
Tgt Ion: 93 Resp: 329168

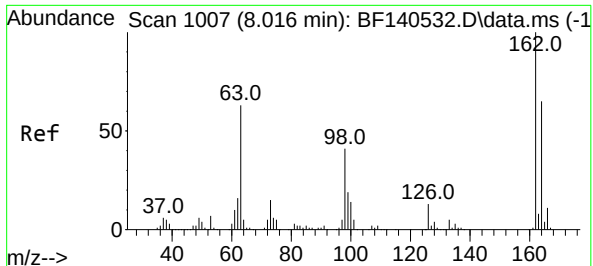
Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

123 11.1 9.1 13.7





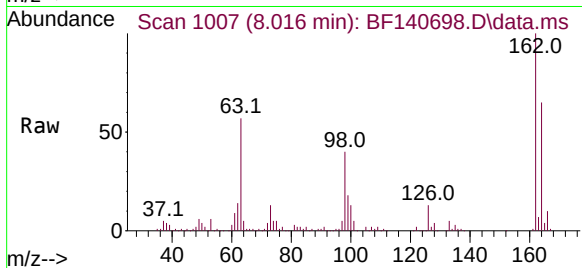
#29
2,4-Dichlorophenol
Concen: 54.185 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

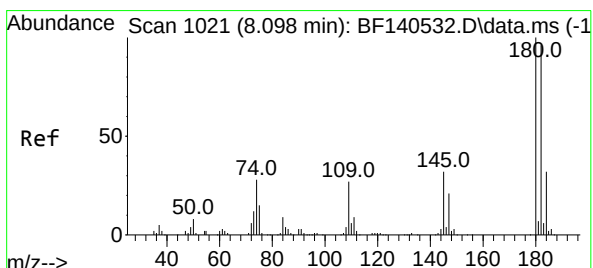
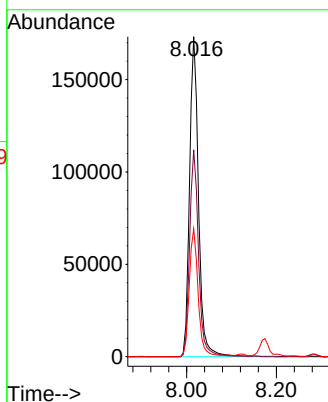
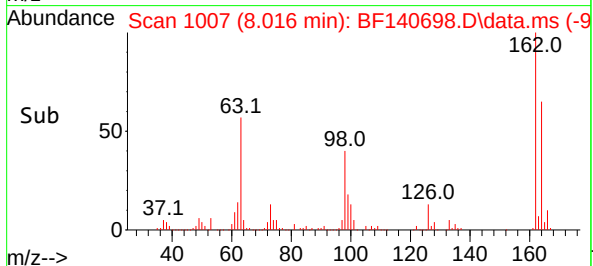


Tgt Ion:162 Resp: 240204
Ion Ratio Lower Upper
162 100
164 64.7 44.8 84.8
98 39.9 21.2 61.2

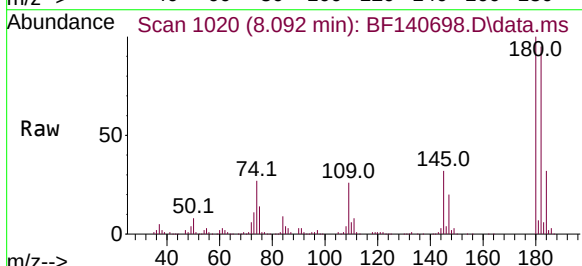
Manual Integrations

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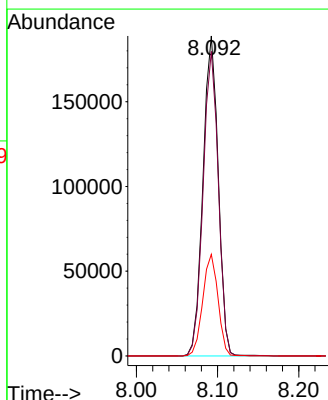
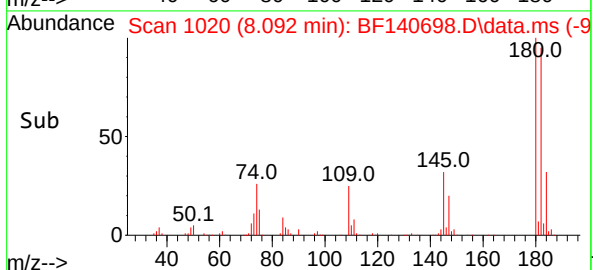
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

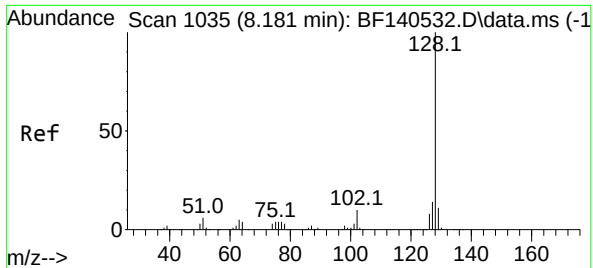


#30
1,2,4-Trichlorobenzene
Concen: 48.616 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23



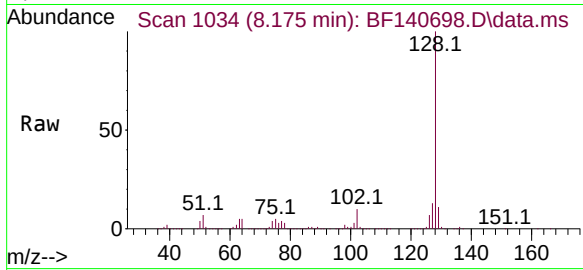
Tgt Ion:180 Resp: 246073
Ion Ratio Lower Upper
180 100
182 95.2 76.4 114.6
145 31.8 25.9 38.9





#31
Naphthalene
Concen: 50.875 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

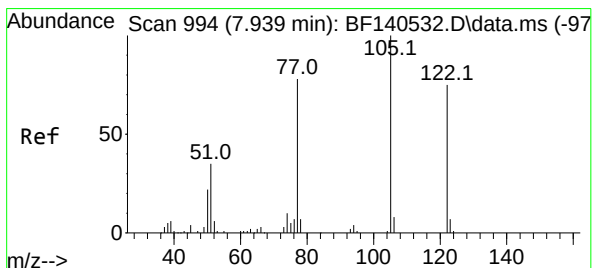
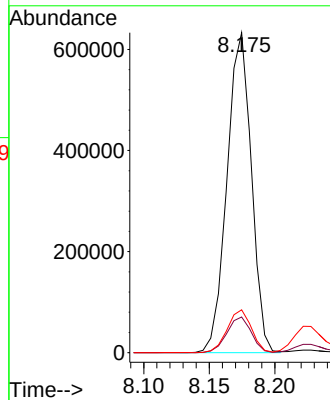
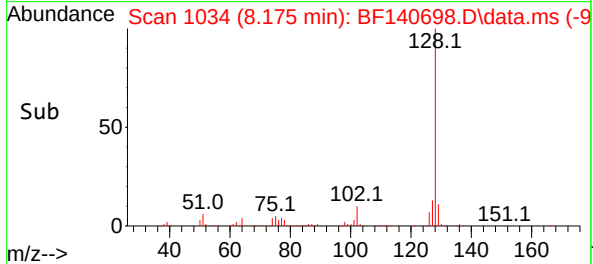
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:128 Resp: 818308
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.4 10.8 16.2

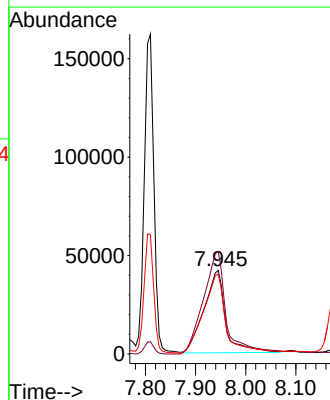
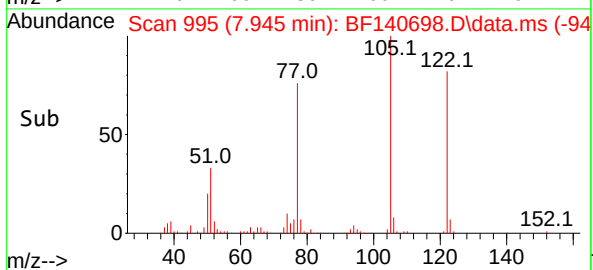
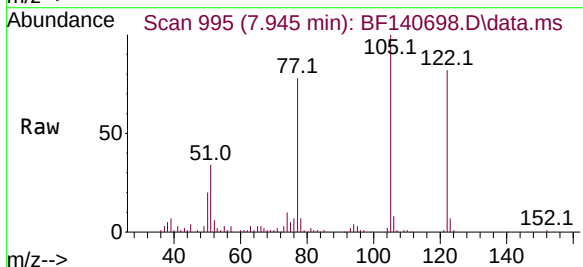
Manual Integrations
APPROVED

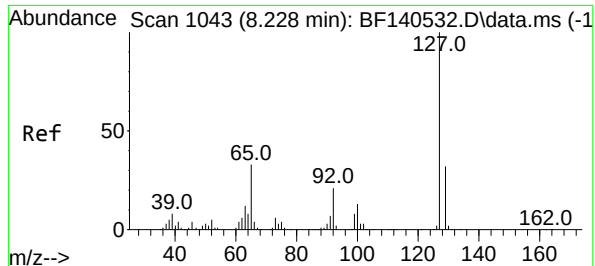
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#32
Benzoic acid
Concen: 43.982 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:122 Resp: 125984
Ion Ratio Lower Upper
122 100
105 122.7 109.3 149.3
77 96.0 82.3 122.3





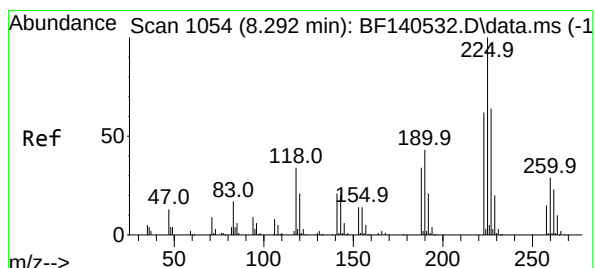
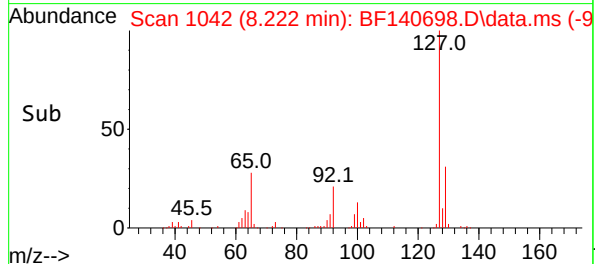
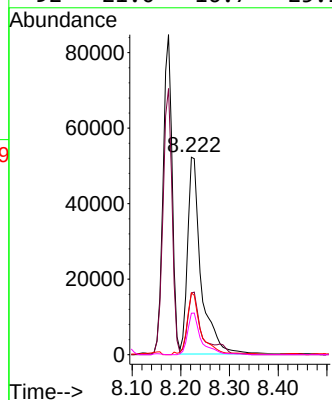
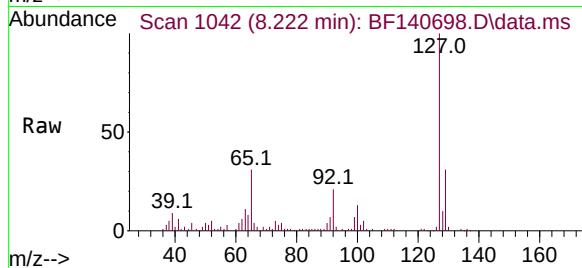
#33
4-Chloroaniline
Concen: 20.790 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:127 Resp: 10012
Ion Ratio Lower Upper
127 100
129 31.3 26.0 39.0
65 31.3 26.0 39.0
92 21.0 16.7 25.1

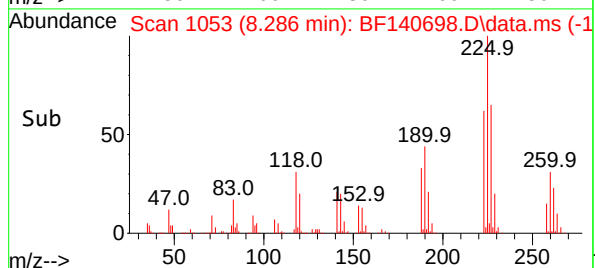
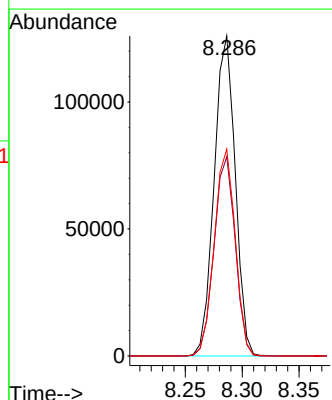
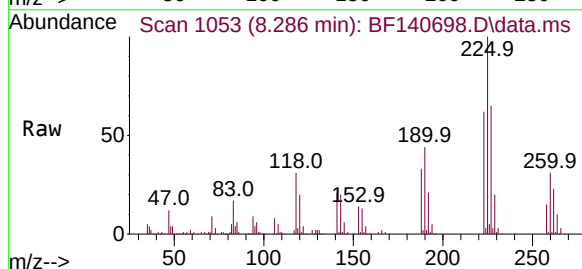
Manual Integrations
APPROVED

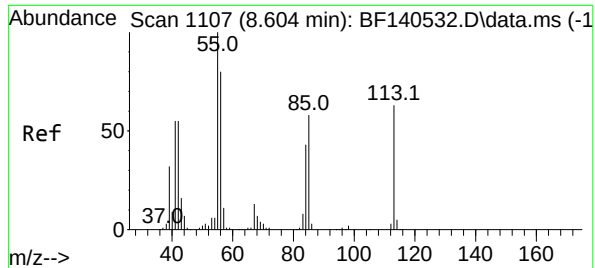
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#34
Hexachlorobutadiene
Concen: 48.529 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:225 Resp: 162697
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.8
227 64.6 51.3 76.9





#35

Caprolactam

Concen: 56.347 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:113 Resp: 7730

Ion Ratio Lower Upper

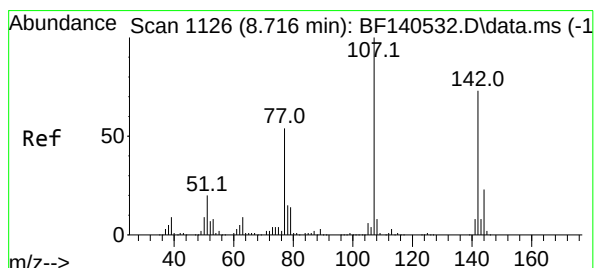
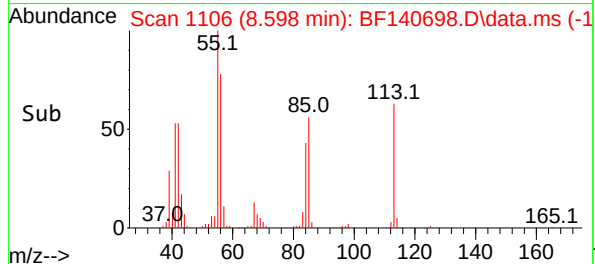
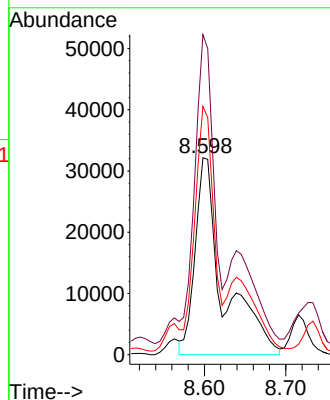
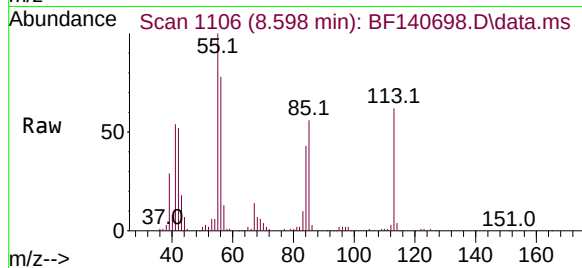
113 100

55 162.5 137.7 177.7

56 126.1 106.4 146.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#36

4-Chloro-3-methylphenol

Concen: 54.099 ng

RT: 8.716 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

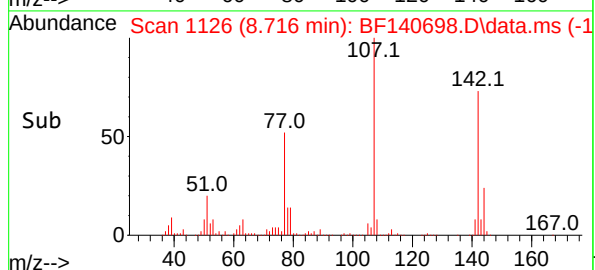
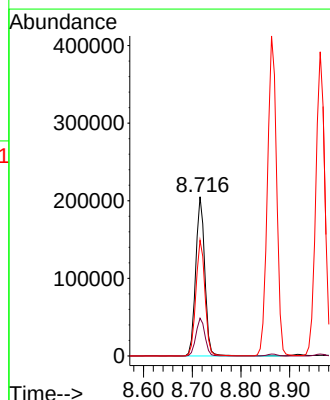
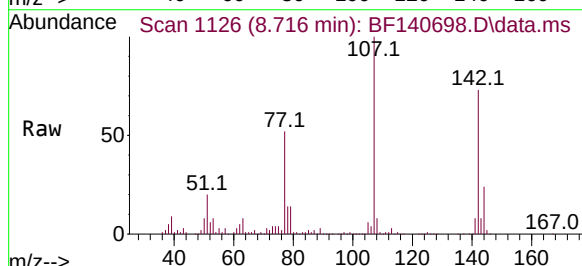
Tgt Ion:107 Resp: 268516

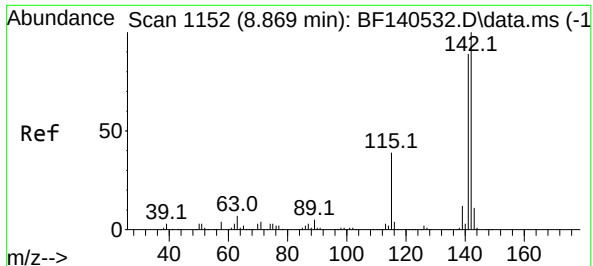
Ion Ratio Lower Upper

107 100

144 23.7 18.7 28.1

142 72.7 58.3 87.5





#37

2-Methylnaphthalene

Concen: 52.265 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:142 Resp: 53395

Ion Ratio Lower Upper

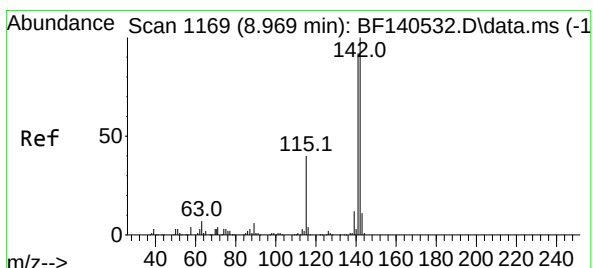
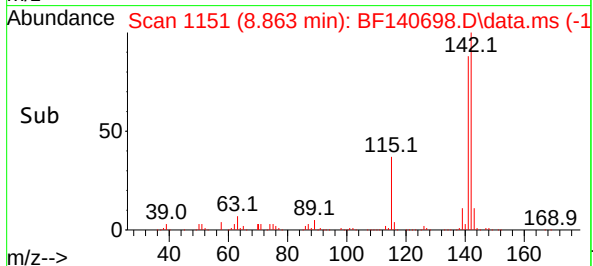
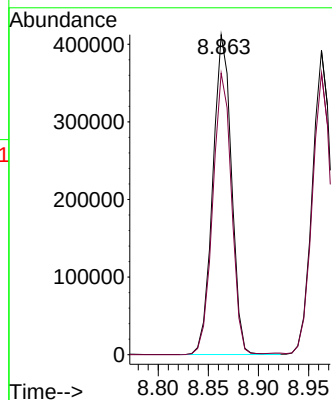
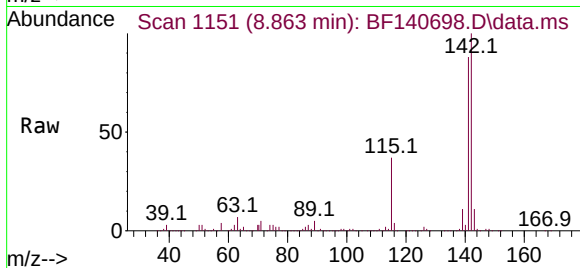
142 100

141 88.0 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#38

1-Methylnaphthalene

Concen: 50.097 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140698.D

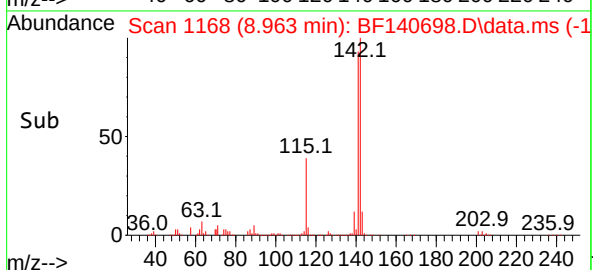
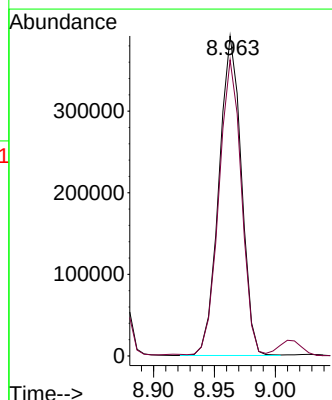
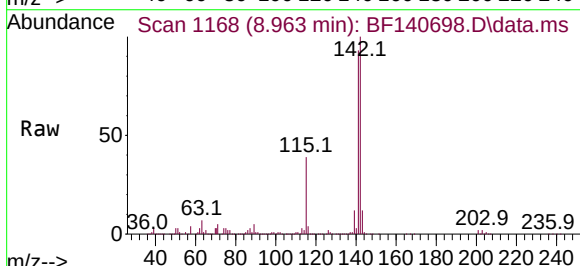
Acq: 02 Dec 2024 19:23

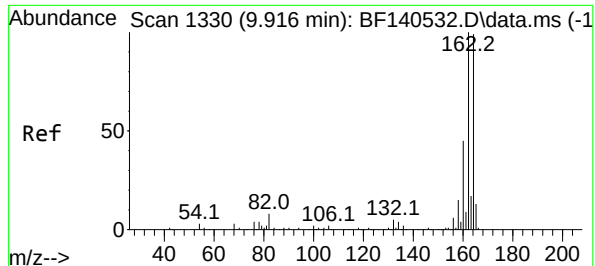
Tgt Ion:142 Resp: 501673

Ion Ratio Lower Upper

142 100

141 92.6 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: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:164 Resp: 17866

Ion Ratio Lower Upper

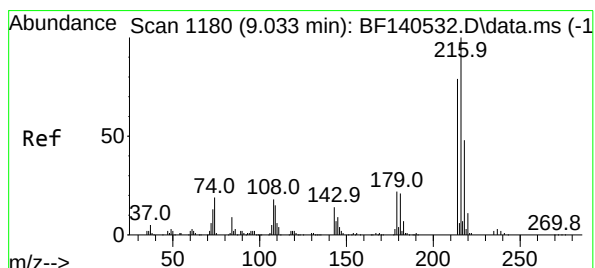
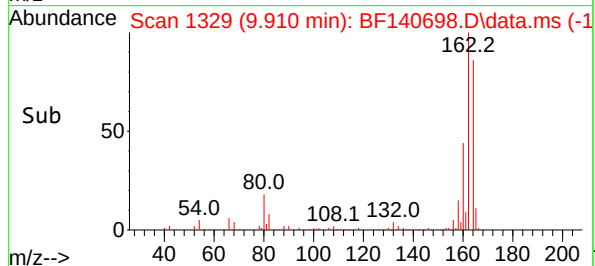
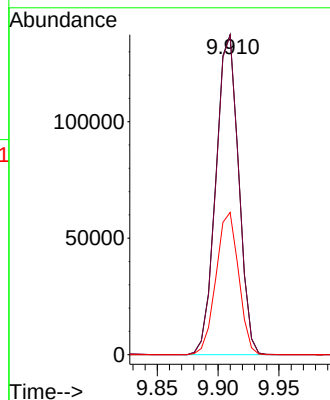
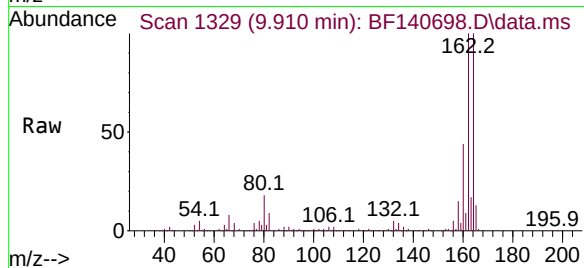
164 100

162 99.9 80.6 120.8

160 44.4 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.336 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Tgt Ion:216 Resp: 263275

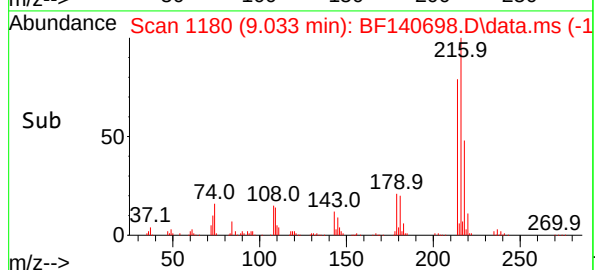
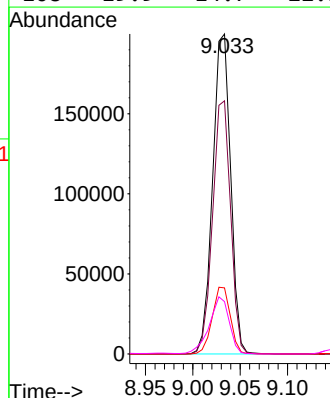
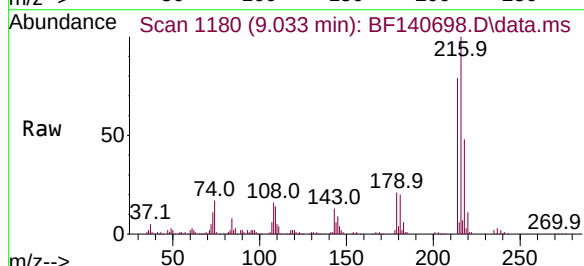
Ion Ratio Lower Upper

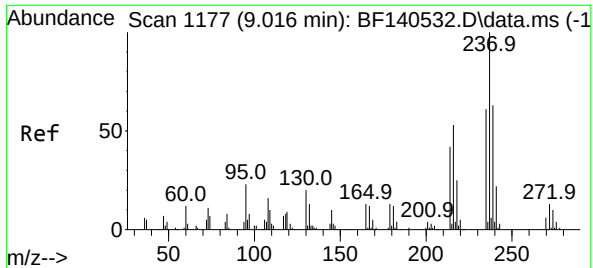
216 100

214 79.3 63.0 94.4

179 21.0 17.5 26.3

108 19.9 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 169.623 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:237 Resp: 209980

Ion Ratio Lower Upper

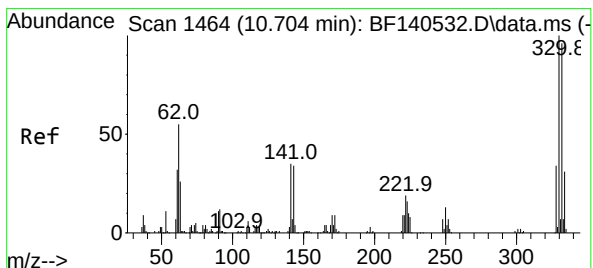
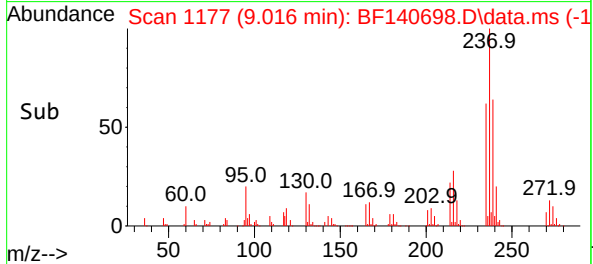
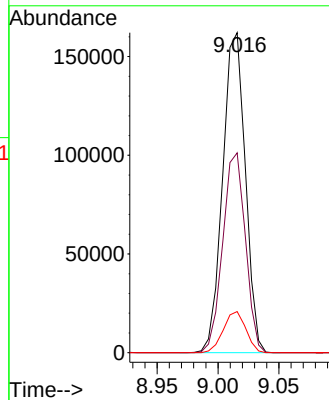
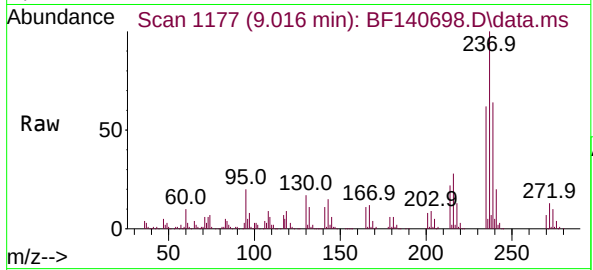
237 100

235 62.5 41.1 81.1

272 12.9 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#42

2,4,6-Tribromophenol

Concen: 87.872 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

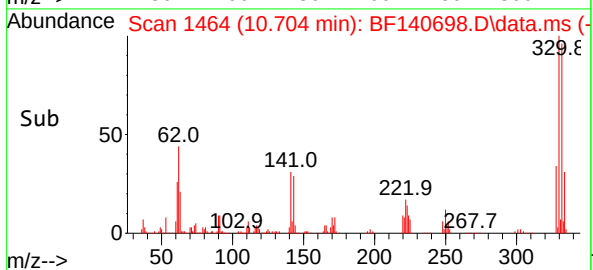
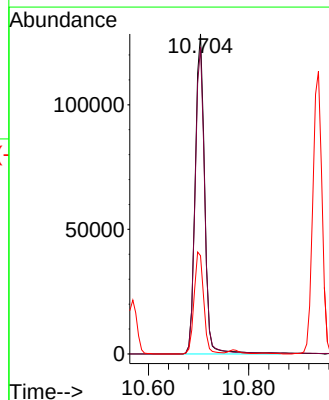
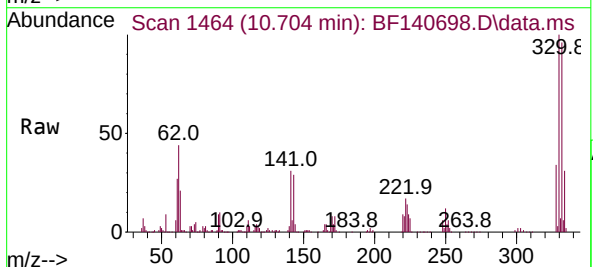
Tgt Ion:330 Resp: 167906

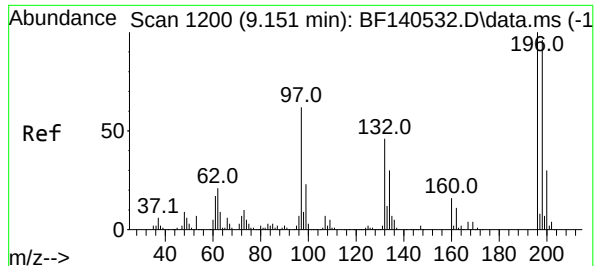
Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

141 32.4 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 50.168 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:196 Resp: 16464

Ion Ratio Lower Upper

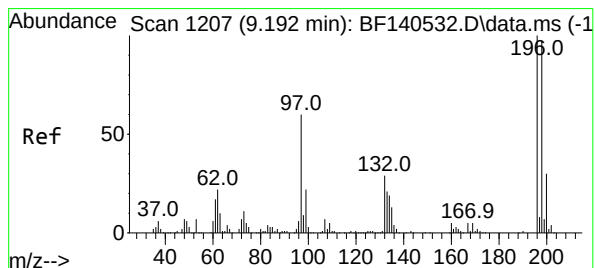
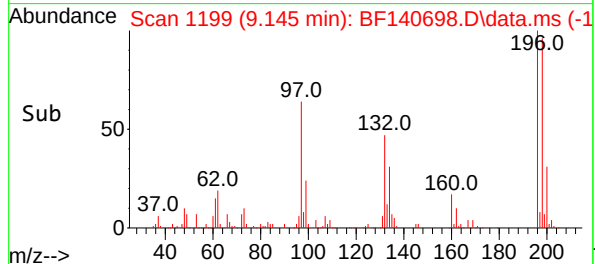
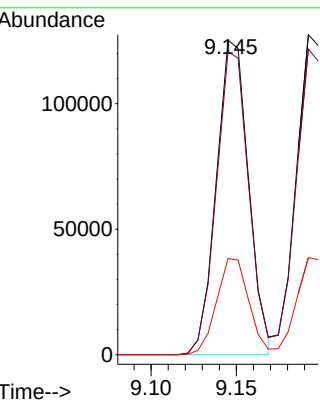
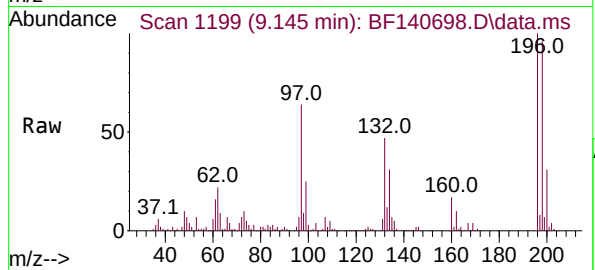
196 100

198 96.3 76.8 115.2

200 30.6 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#44

2,4,5-Trichlorophenol

Concen: 51.172 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Tgt Ion:196 Resp: 182267

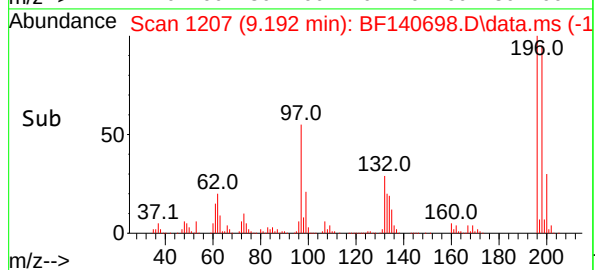
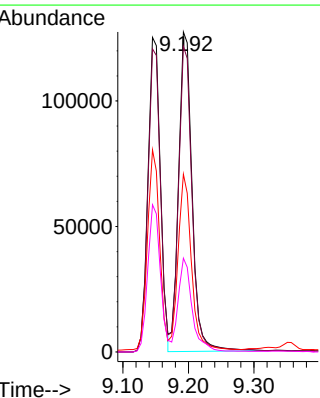
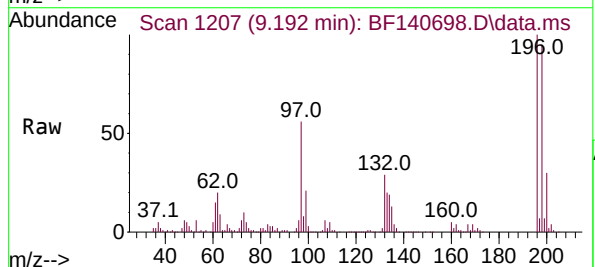
Ion Ratio Lower Upper

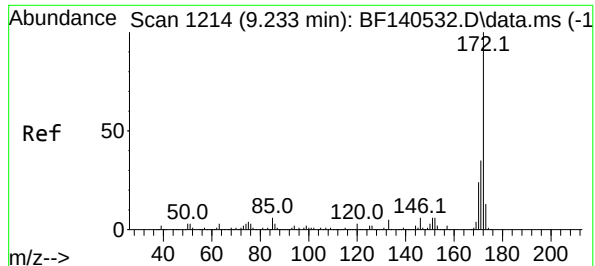
196 100

198 95.5 77.2 115.8

97 55.5 47.1 70.7

132 29.3 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 56.389 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:172 Resp: 67616

Ion Ratio Lower Upper

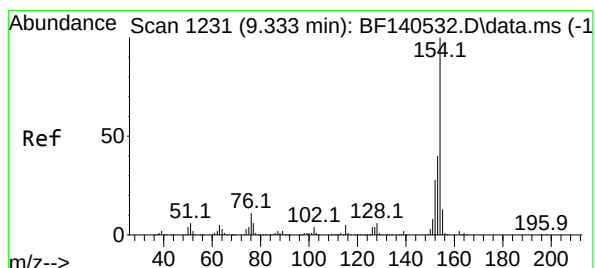
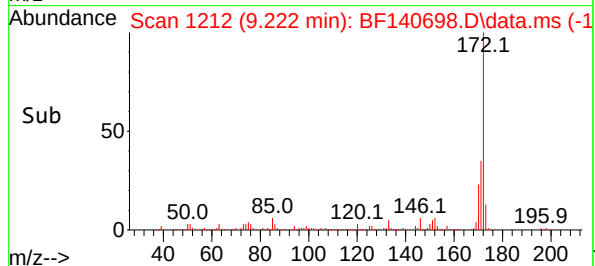
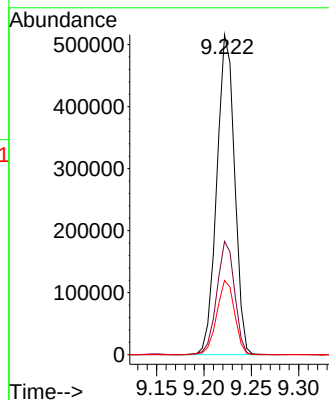
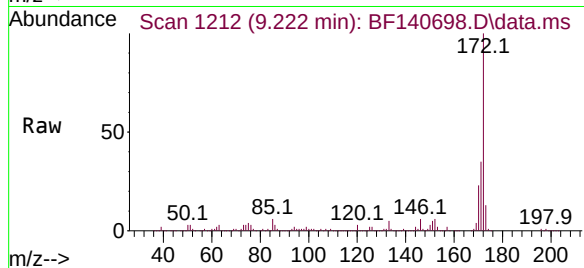
172 100

171 35.4 28.4 42.6

170 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#46

1,1'-Biphenyl

Concen: 51.081 ng

RT: 9.327 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

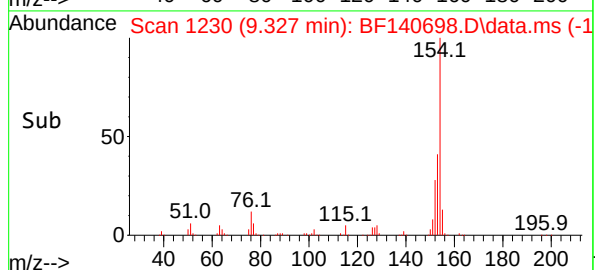
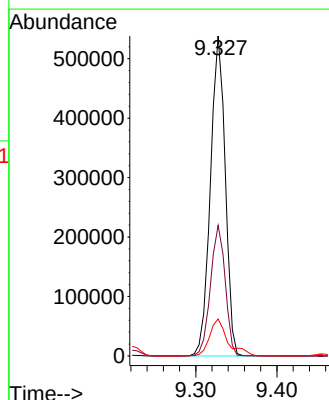
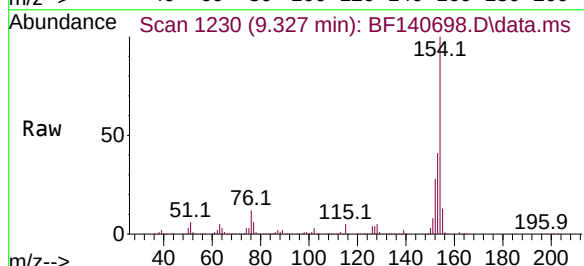
Tgt Ion:154 Resp: 681374

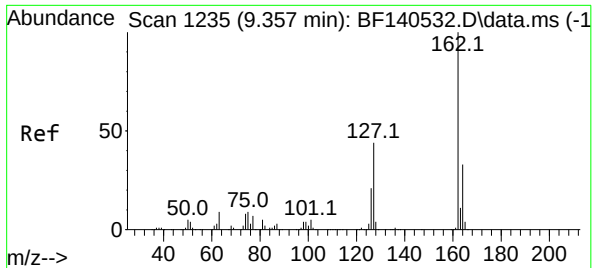
Ion Ratio Lower Upper

154 100

153 40.8 20.4 60.4

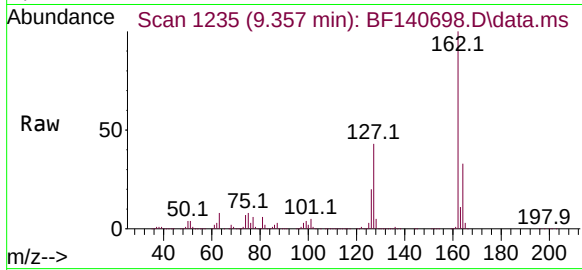
76 11.6 0.0 31.2





#47
2-Chloronaphthalene
Concen: 50.693 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

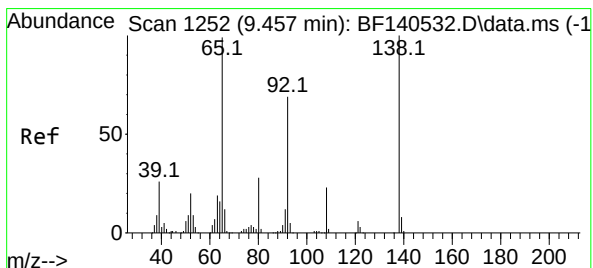
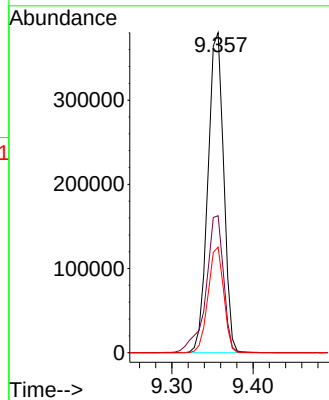
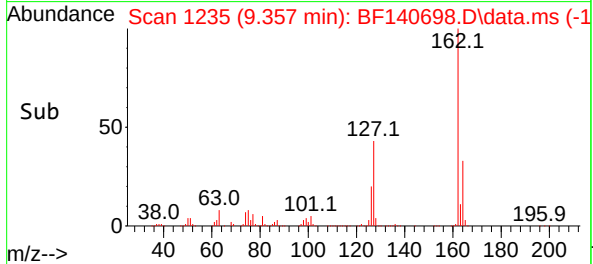
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:162 Resp: 51236
Ion Ratio Lower Upper
162 100
127 42.8 35.7 53.5
164 32.9 26.1 39.1

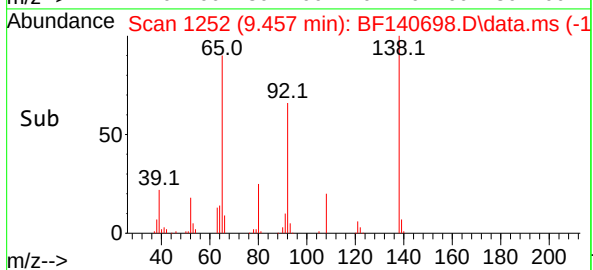
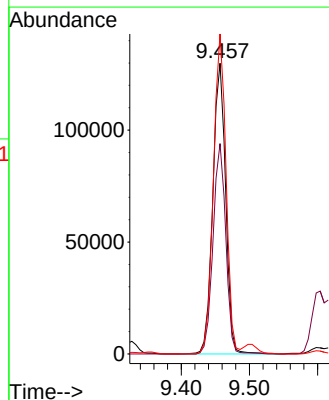
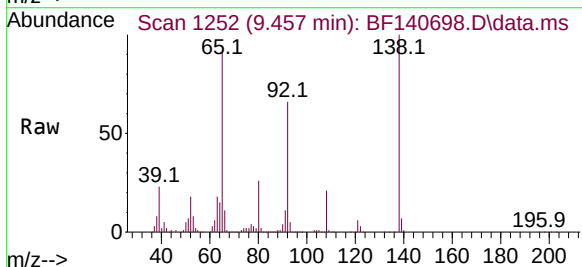
Manual Integrations
APPROVED

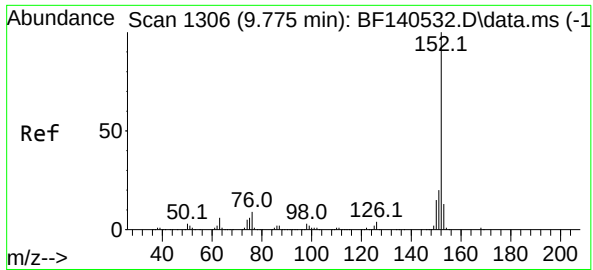
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#48
2-Nitroaniline
Concen: 52.552 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion: 65 Resp: 170492
Ion Ratio Lower Upper
65 100
92 72.4 56.1 84.1
138 110.1 81.0 121.6





#49

Acenaphthylene

Concen: 54.938 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:152 Resp: 838978

Ion Ratio Lower Upper

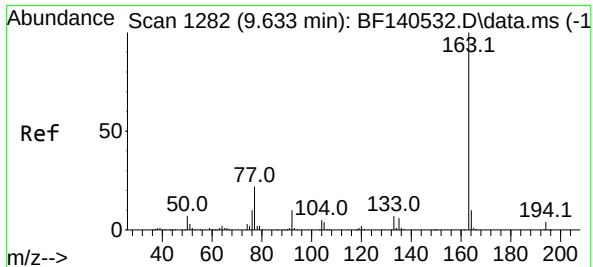
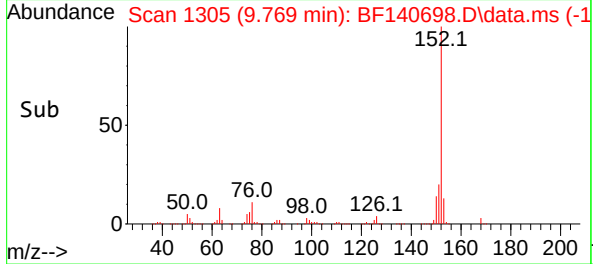
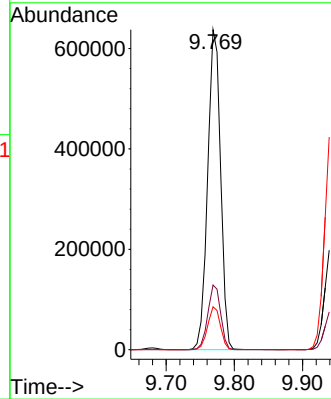
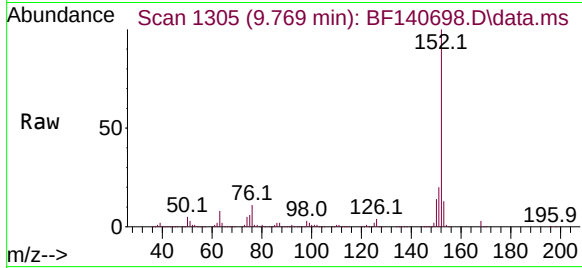
152 100

151 20.2 15.9 23.9

153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#50

Dimethylphthalate

Concen: 53.374 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

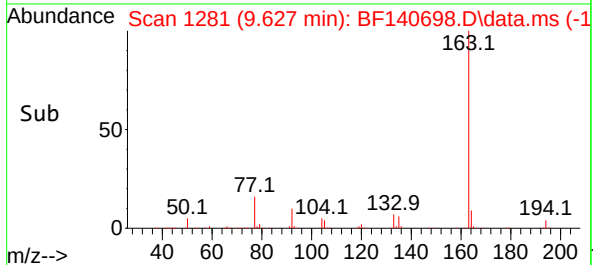
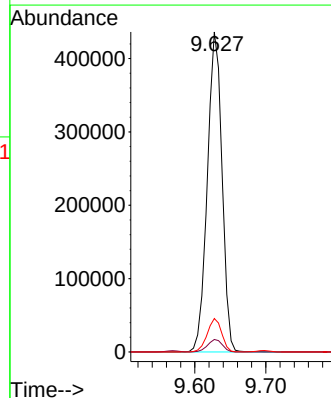
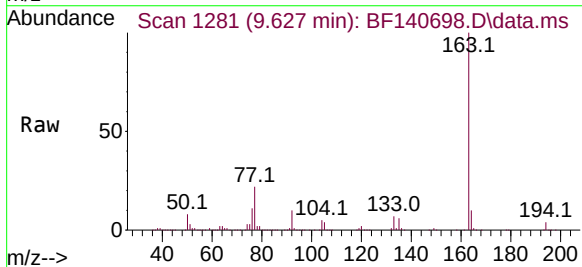
Tgt Ion:163 Resp: 628031

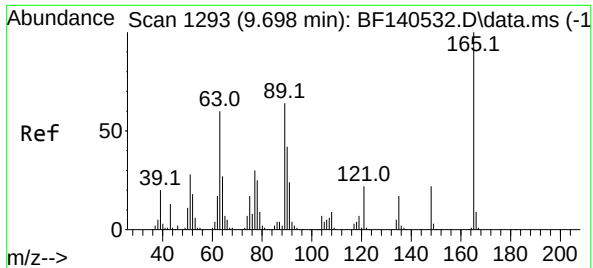
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

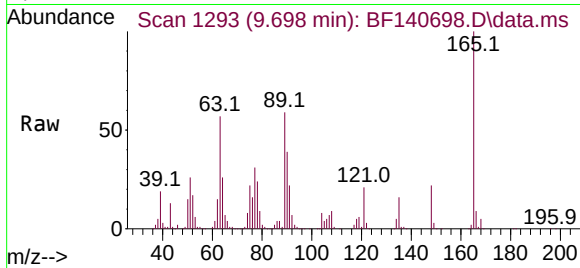
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 50.902 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

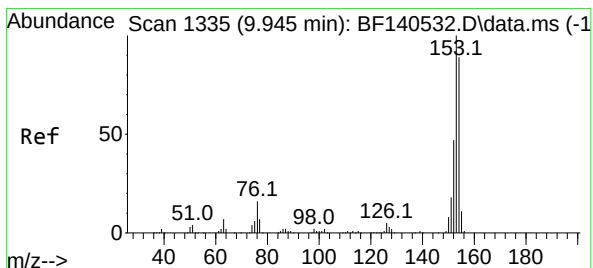
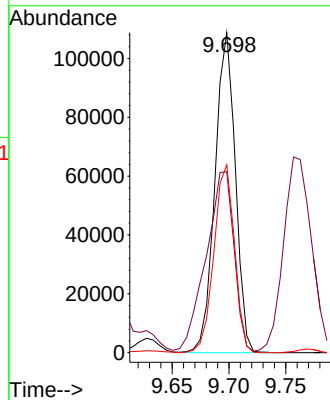
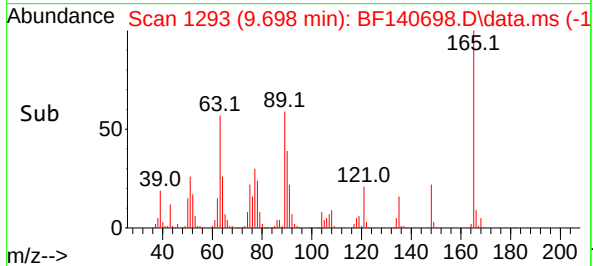
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:165 Resp: 13583
Ion Ratio Lower Upper
165 100
63 56.5 49.9 74.9
89 58.7 50.9 76.3

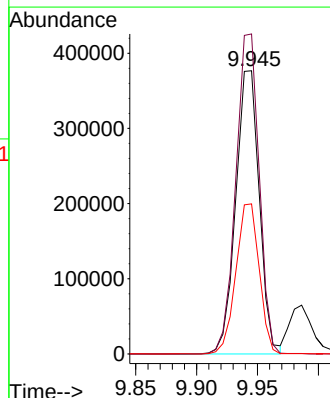
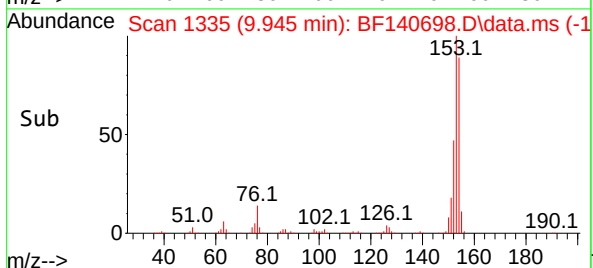
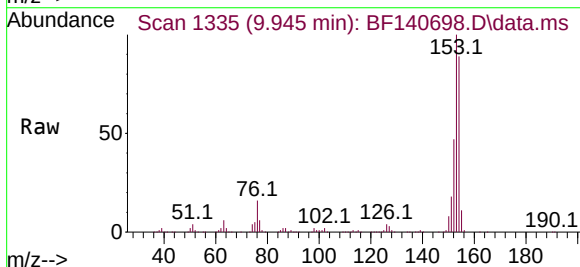
Manual Integrations
APPROVED

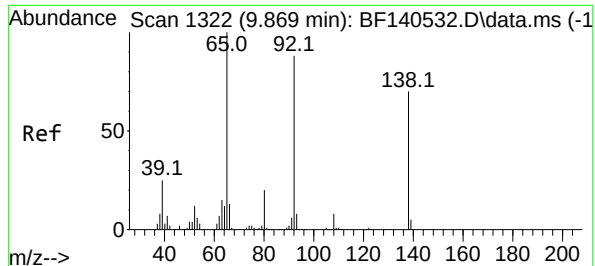
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#52
Acenaphthene
Concen: 52.433 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:154 Resp: 508773
Ion Ratio Lower Upper
154 100
153 113.0 89.7 134.5
152 53.0 42.5 63.7





#53

3-Nitroaniline

Concen: 32.233 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:138 Resp: 84129

Ion Ratio Lower Upper

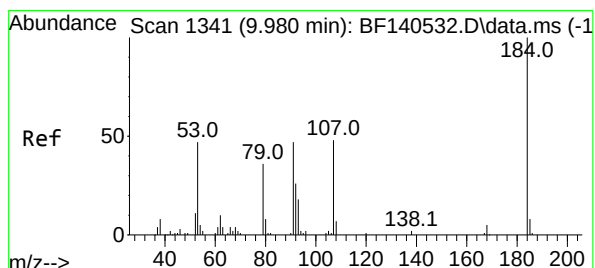
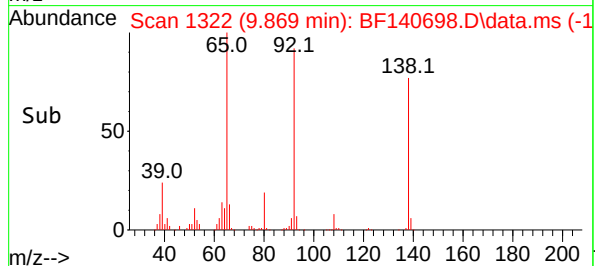
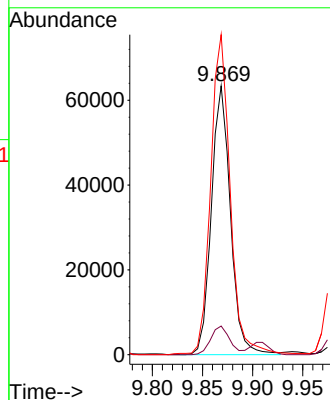
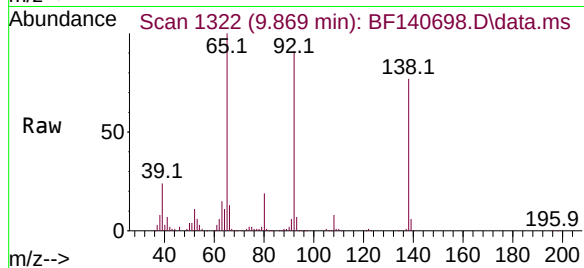
138 100

108 10.7 9.2 13.8

92 119.1 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#54

2,4-Dinitrophenol

Concen: 99.320 ng

RT: 9.986 min Scan# 1342

Delta R.T. 0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

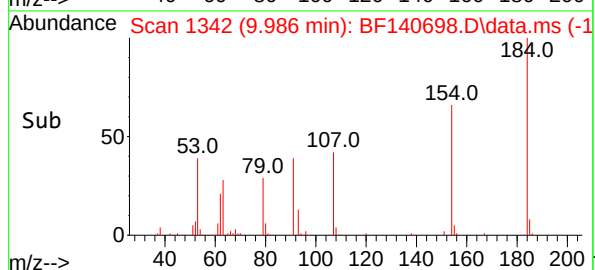
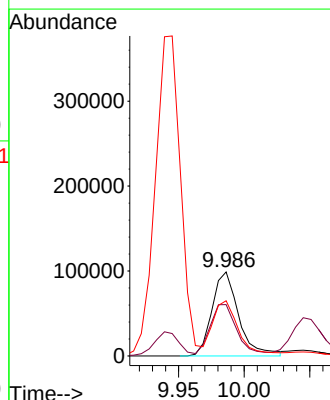
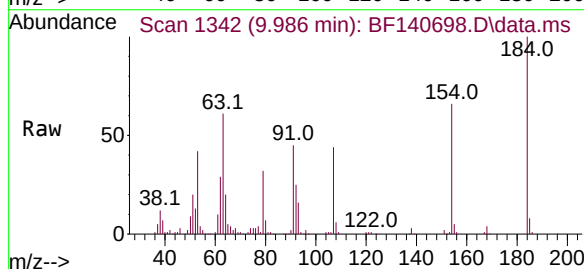
Tgt Ion:184 Resp: 140162

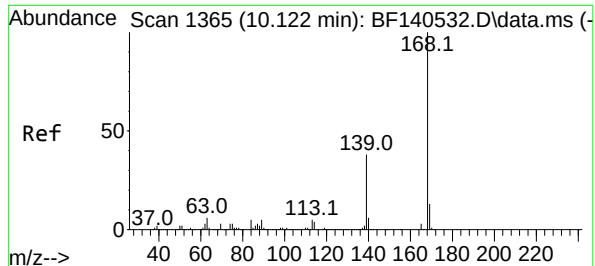
Ion Ratio Lower Upper

184 100

63 61.1 54.1 81.1

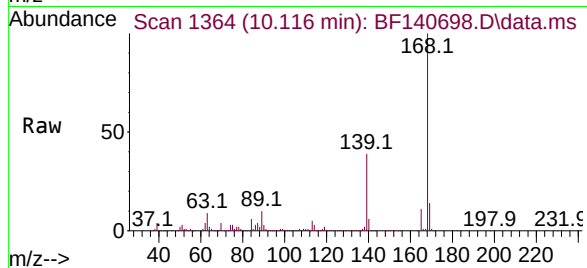
154 65.7 57.4 86.0





#55
Dibenzenofuran
Concen: 51.875 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

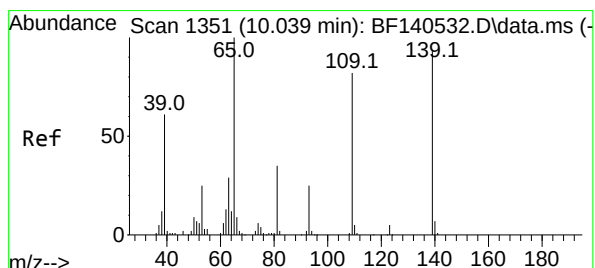
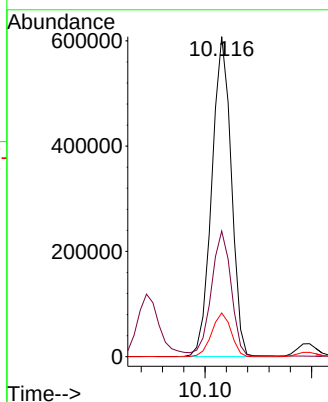
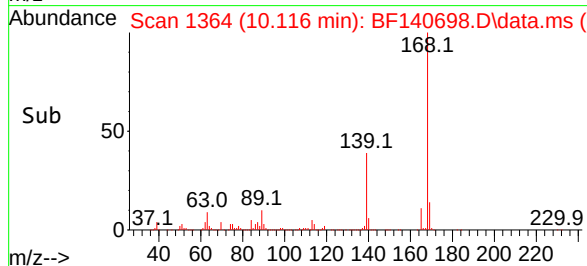
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:168 Resp: 76778
Ion Ratio Lower Upper
168 100
139 39.2 31.3 46.9
169 13.7 10.5 15.7

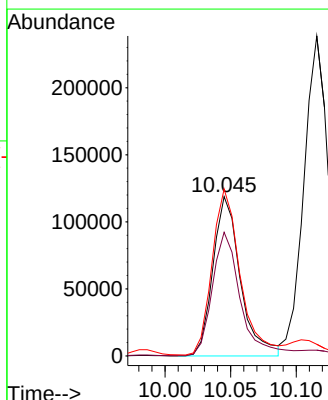
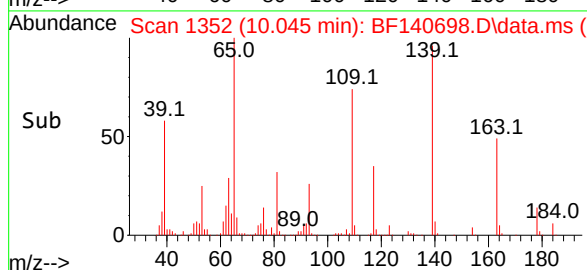
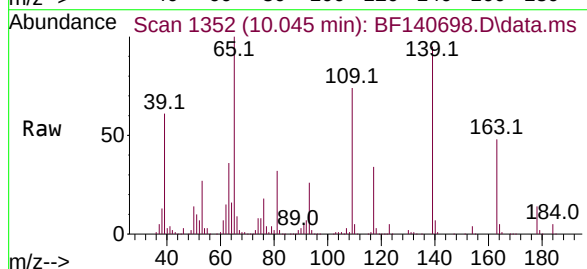
Manual Integrations
APPROVED

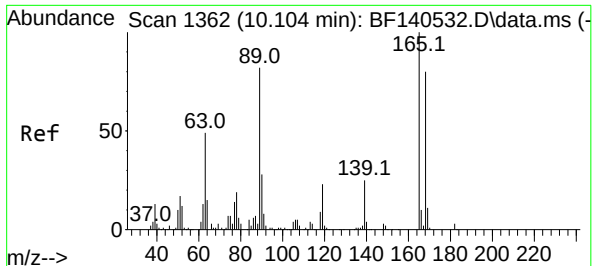
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#56
4-Nitrophenol
Concen: 97.394 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

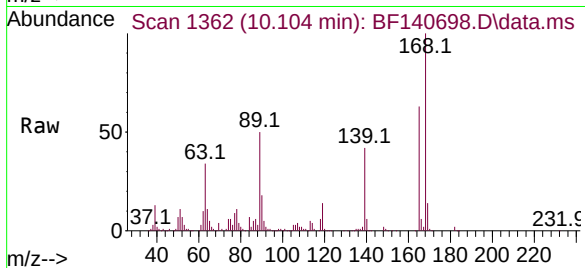
Tgt Ion:139 Resp: 173362
Ion Ratio Lower Upper
139 100
109 77.6 68.4 108.4
65 104.7 88.6 128.6





#57
2,4-Dinitrotoluene
Concen: 52.099 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

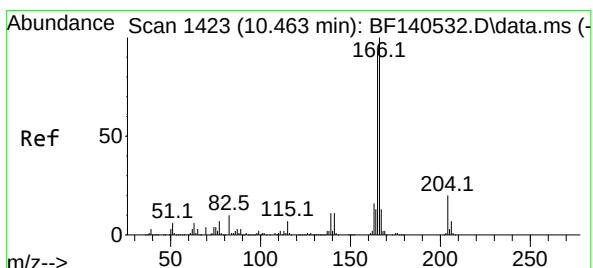
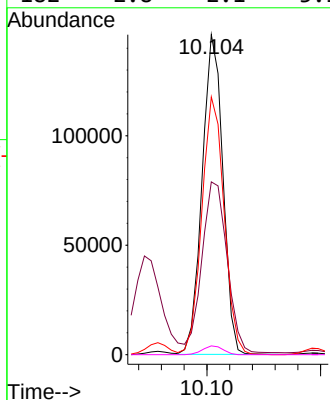
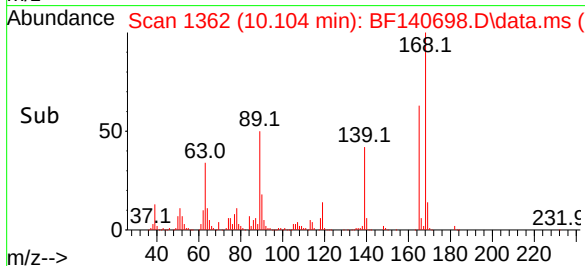
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:165 Resp: 184775
Ion Ratio Lower Upper
165 100
63 54.0 41.7 62.5
89 80.6 65.8 98.8
182 2.8 2.1 3.1

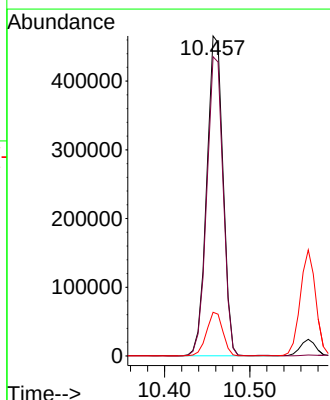
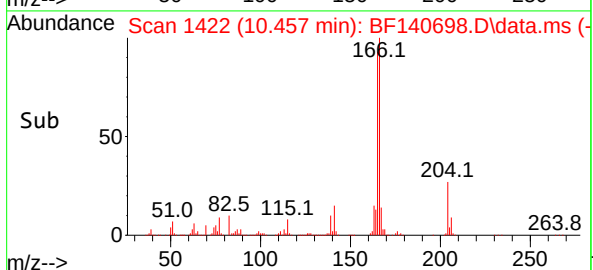
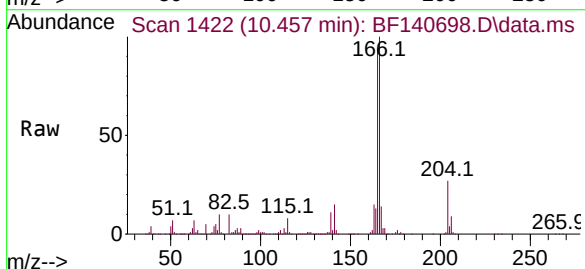
Manual Integrations
APPROVED

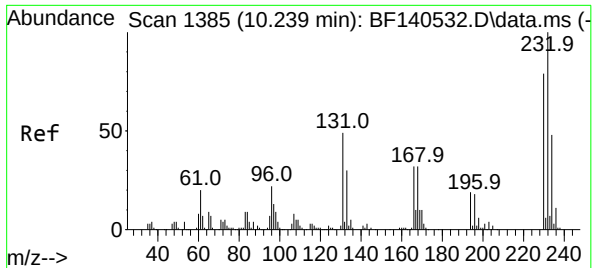
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#58
Fluorene
Concen: 52.086 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

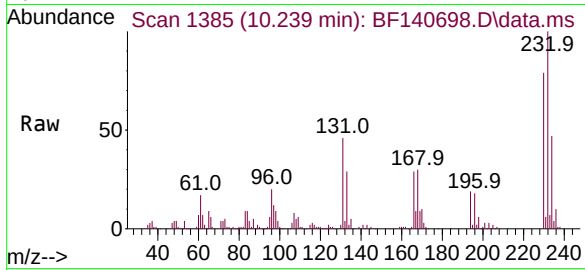
Tgt Ion:166 Resp: 618783
Ion Ratio Lower Upper
166 100
165 93.5 74.6 111.8
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 57.488 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

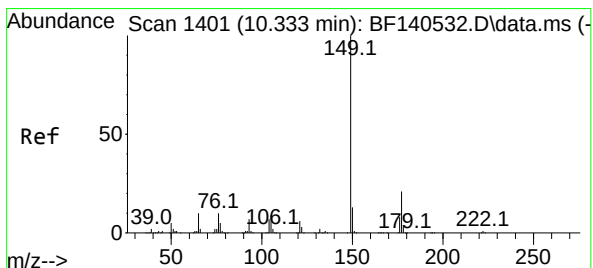
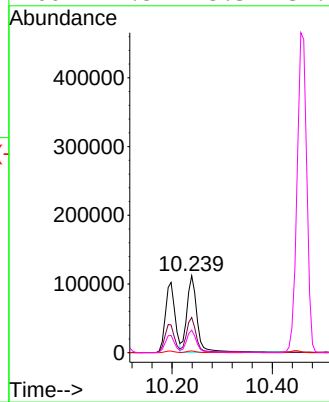
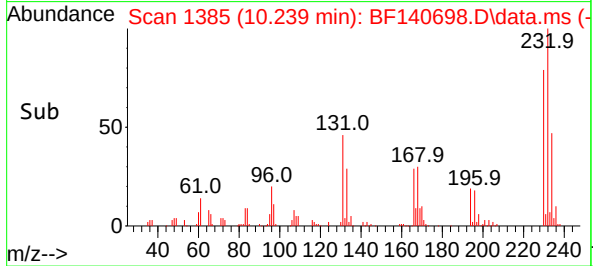
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:232 Resp: 157369
Ion Ratio Lower Upper
232 100
131 44.3 39.6 59.4
130 2.5 1.9 2.9
166 27.5 25.3 37.9

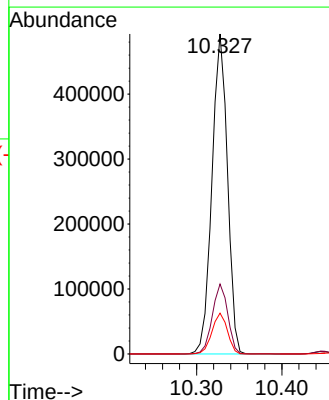
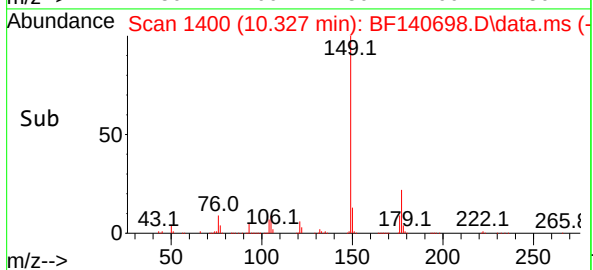
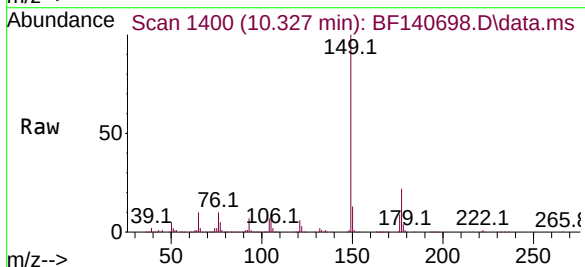
Manual Integrations
APPROVED

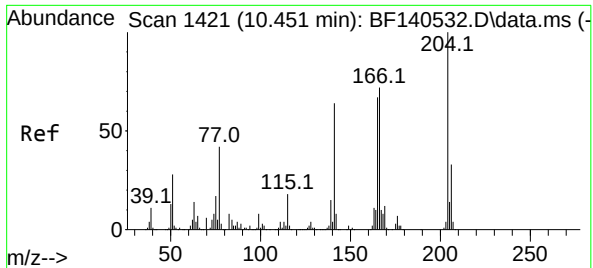
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#60
Diethylphthalate
Concen: 52.037 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

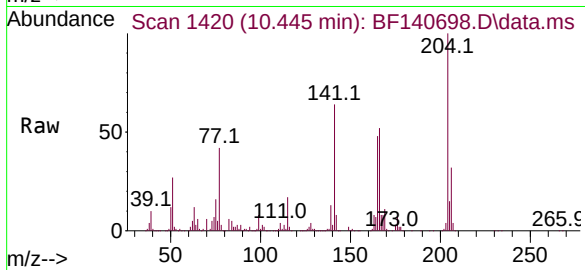
Tgt Ion:149 Resp: 622107
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 51.493 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

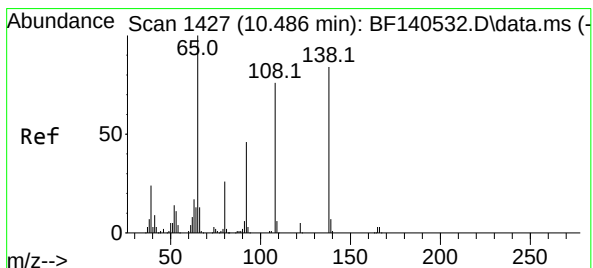
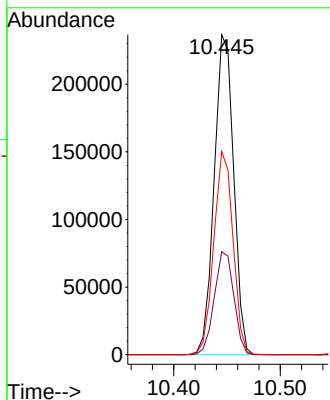
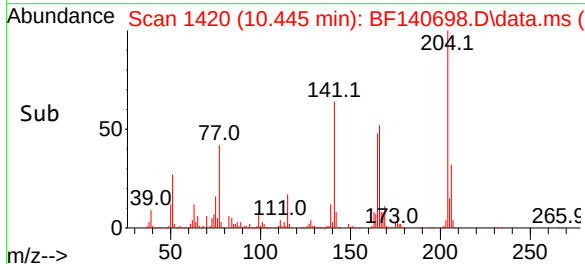
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:204 Resp: 300210
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 63.6 51.1 76.7

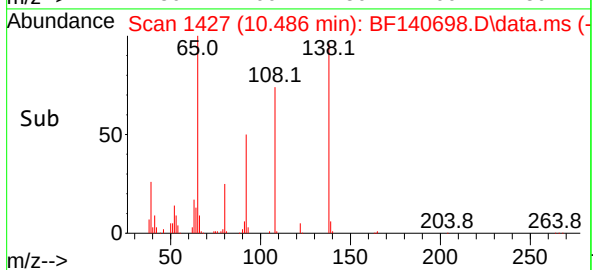
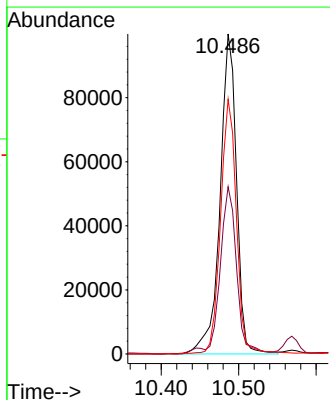
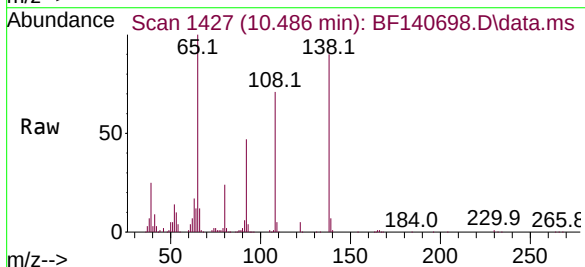
Manual Integrations
APPROVED

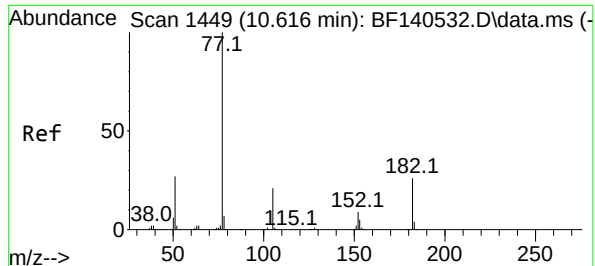
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#62
4-Nitroaniline
Concen: 53.983 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

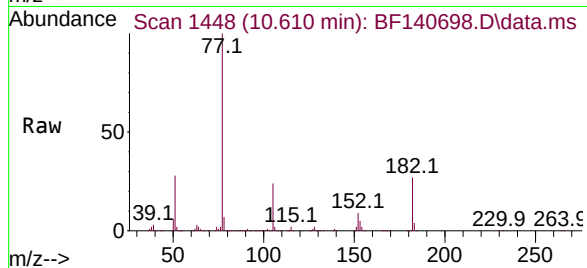
Tgt Ion:138 Resp: 147772
Ion Ratio Lower Upper
138 100
92 52.3 34.5 74.5
108 79.6 70.6 110.6





#63
Azobenzene
Concen: 56.714 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

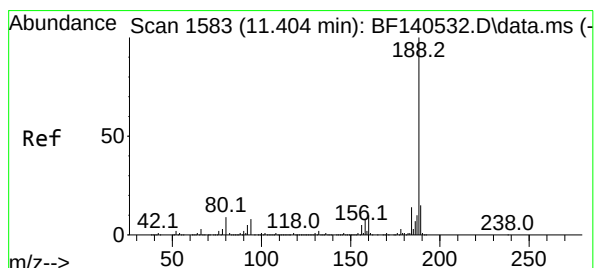
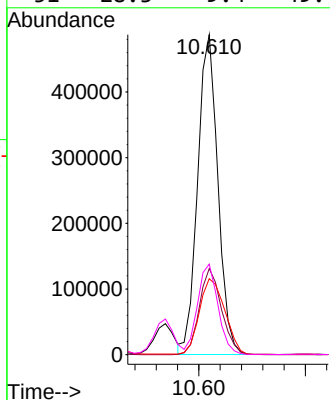
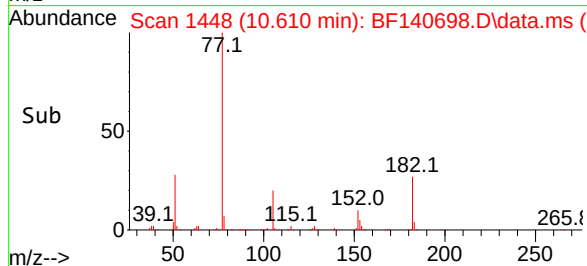
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



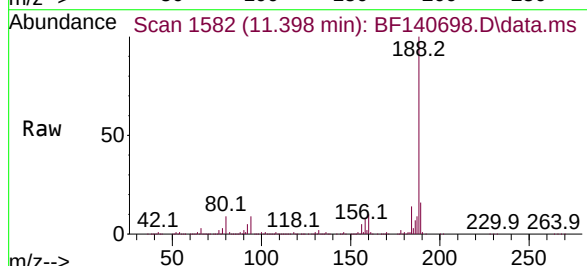
Tgt Ion: 77 Resp: 642081
Ion Ratio Lower Upper
77 100
182 26.9 5.3 45.3
105 23.7 0.3 40.3
51 28.3 9.4 49.4

Manual Integrations
APPROVED

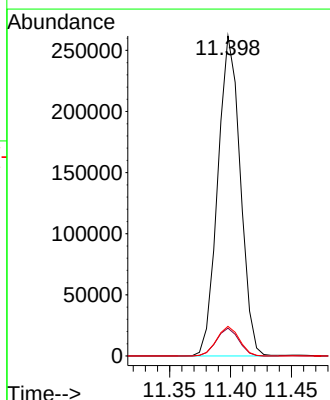
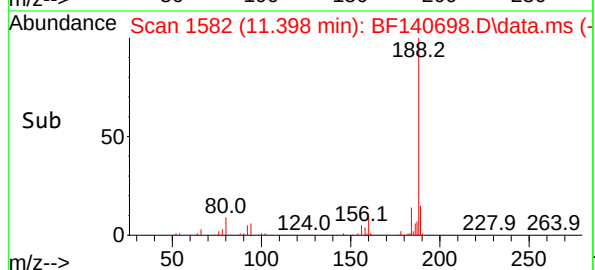
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

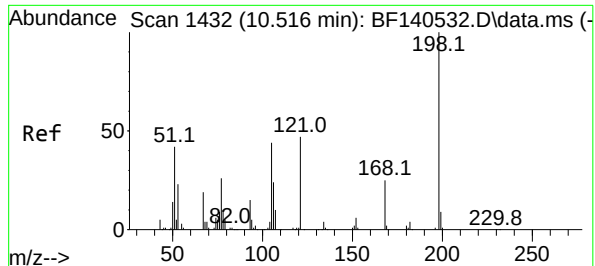


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23



Tgt Ion:188 Resp: 336781
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 9.2 6.9 10.3





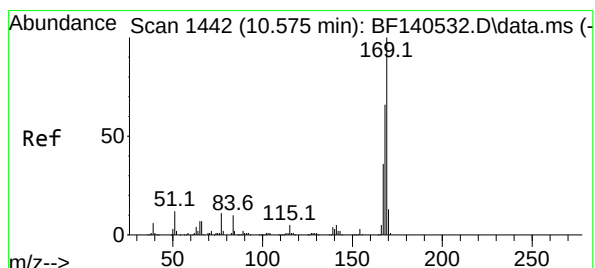
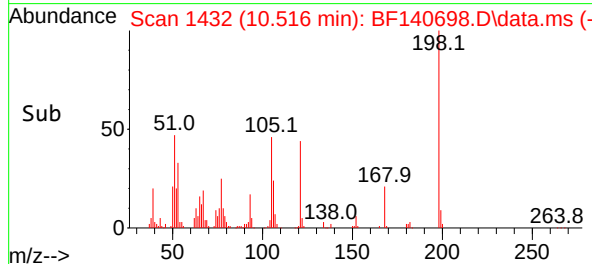
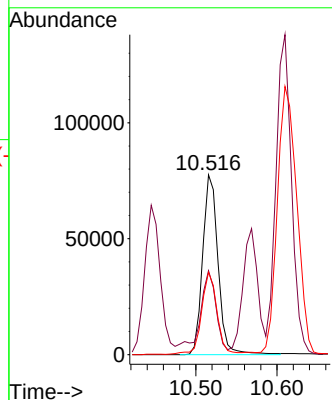
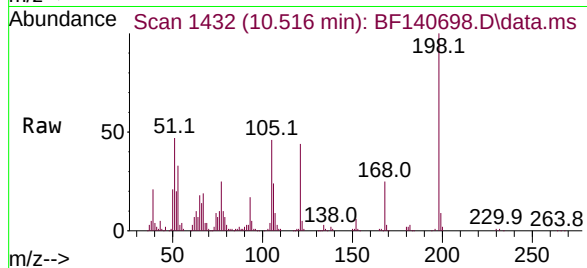
#65
4,6-Dinitro-2-methylphenol
Concen: 59.443 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:198 Resp: 102295
Ion Ratio Lower Upper
198 100
51 46.7 29.4 69.4
105 45.9 25.4 65.4

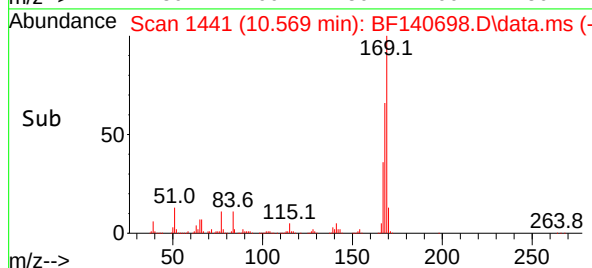
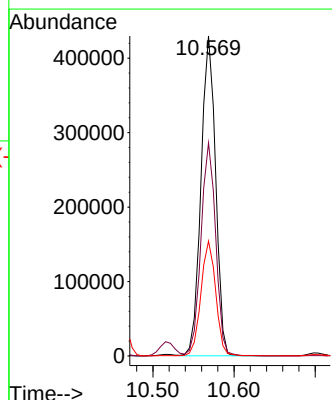
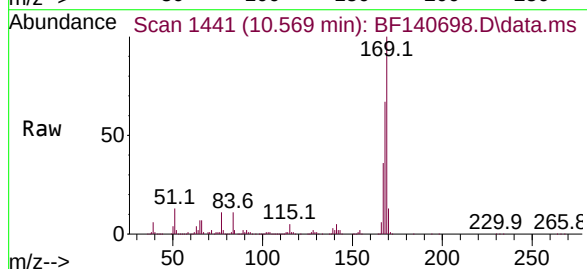
Manual Integrations
APPROVED

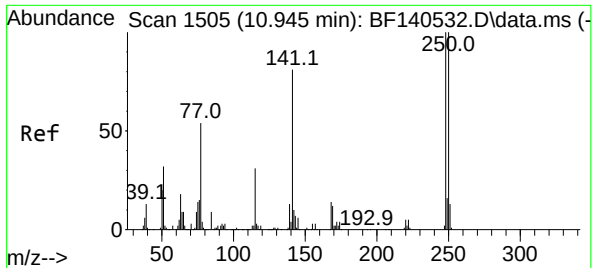
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#66
n-Nitrosodiphenylamine
Concen: 53.925 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

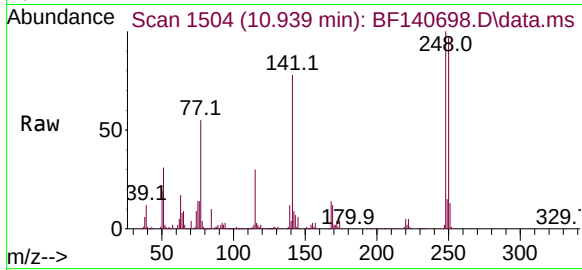
Tgt Ion:169 Resp: 537070
Ion Ratio Lower Upper
169 100
168 66.6 53.2 79.8
167 35.9 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 52.335 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

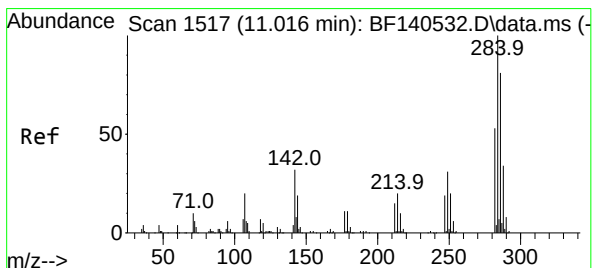
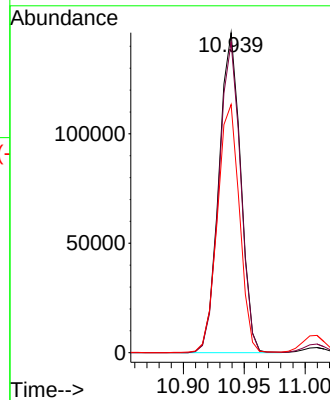
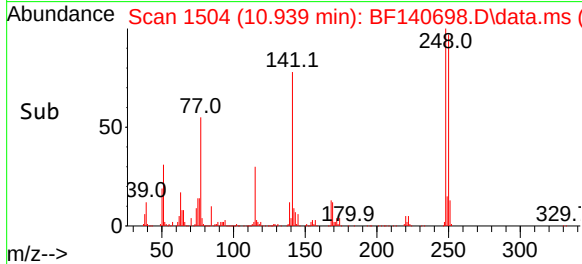
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:248 Resp: 181510
Ion Ratio Lower Upper
248 100
250 97.0 79.8 119.8
141 77.5 64.7 97.1

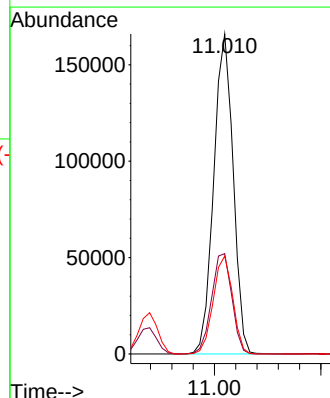
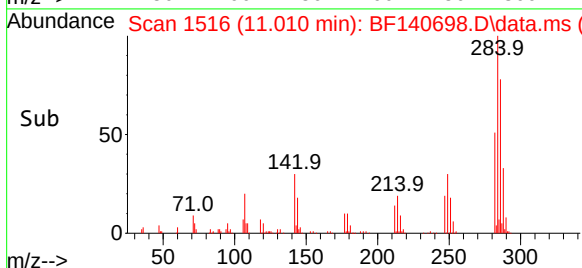
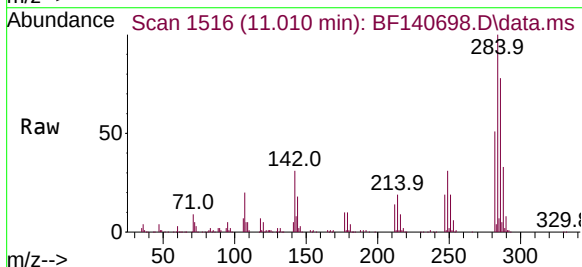
Manual Integrations
APPROVED

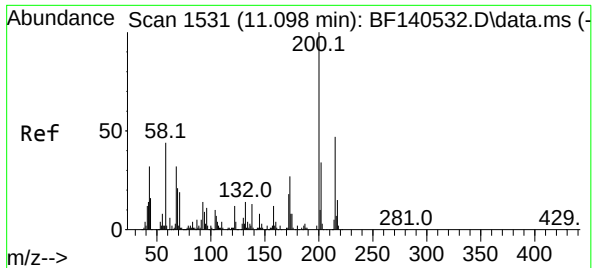
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#68
Hexachlorobenzene
Concen: 52.248 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

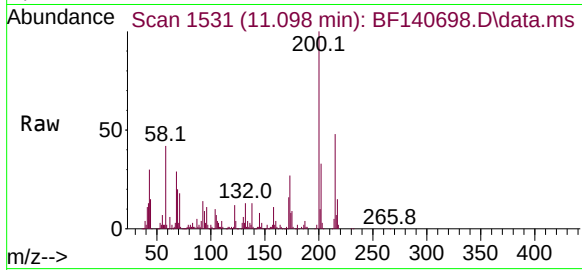
Tgt Ion:284 Resp: 209827
Ion Ratio Lower Upper
284 100
142 31.4 25.3 37.9
249 30.6 24.8 37.2





#69
Atrazine
Concen: 63.217 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

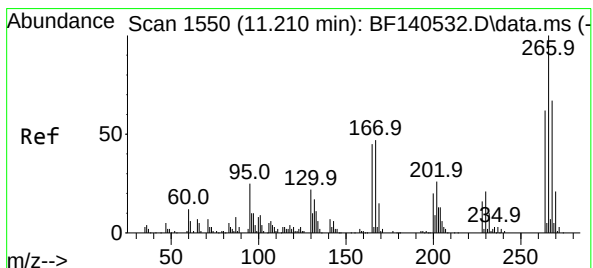
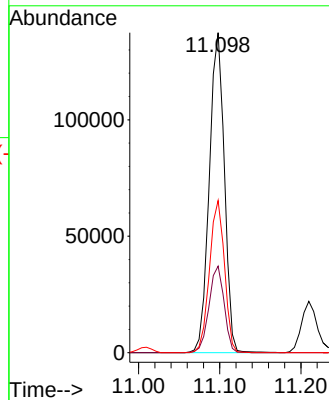
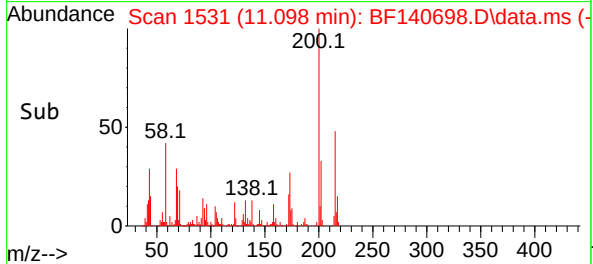
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:200 Resp: 17712
Ion Ratio Lower Upper
200 100
173 27.1 7.0 47.0
215 47.5 26.7 66.7

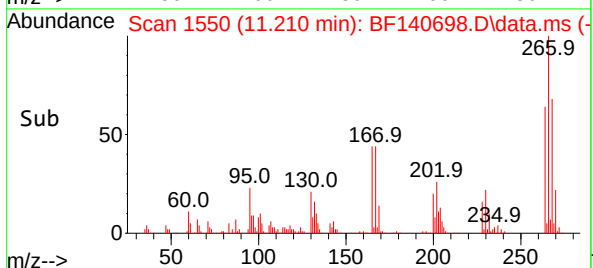
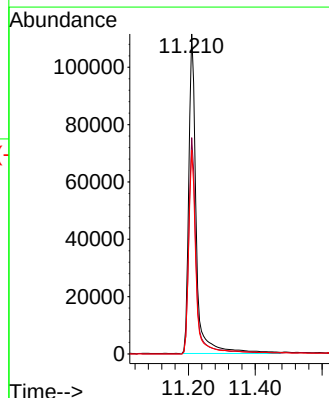
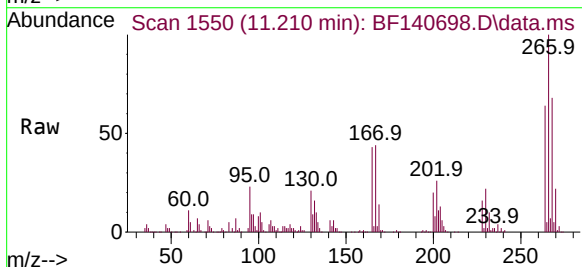
Manual Integrations
APPROVED

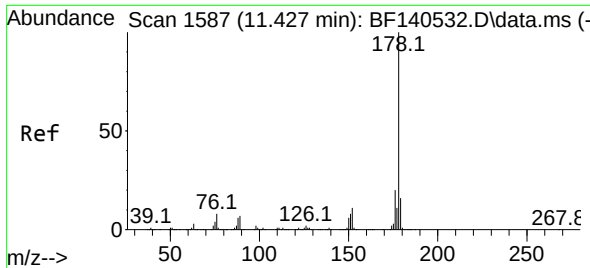
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#70
Pentachlorophenol
Concen: 98.286 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

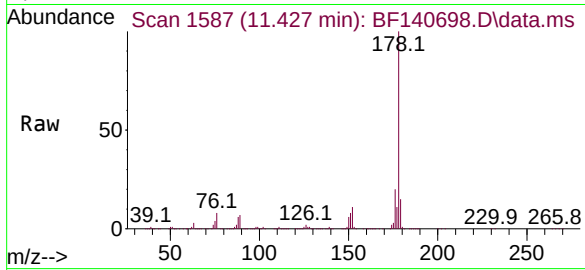
Tgt Ion:266 Resp: 173723
Ion Ratio Lower Upper
266 100
268 67.6 53.7 80.5
264 63.6 49.8 74.8





#71
Phenanthrene
Concen: 54.541 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

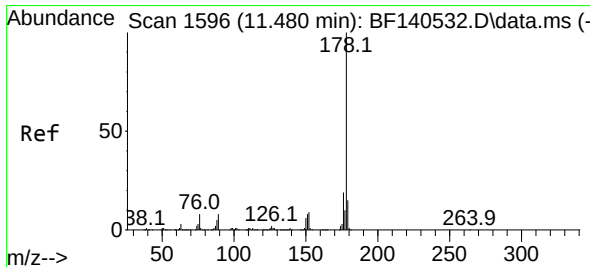
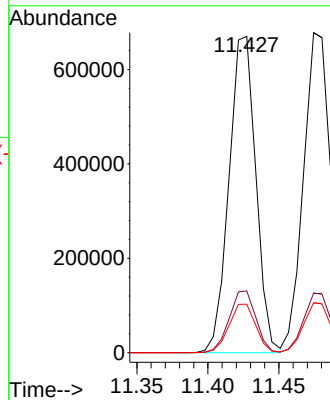
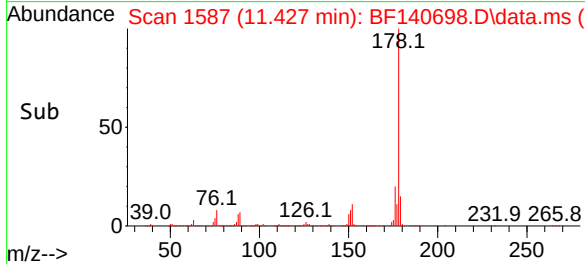
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



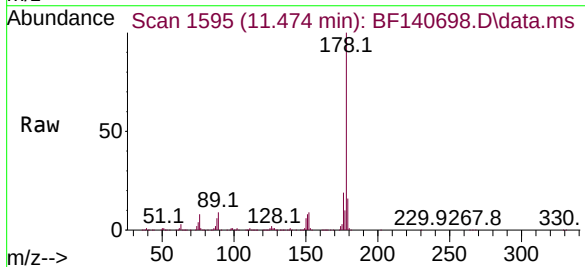
Tgt Ion:178 Resp: 882952
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.3 12.4 18.6

Manual Integrations
APPROVED

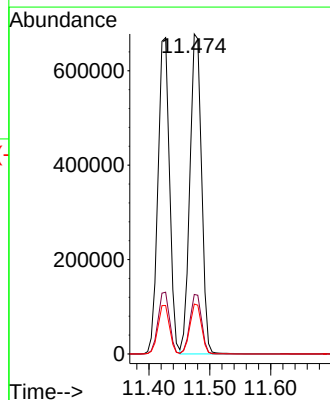
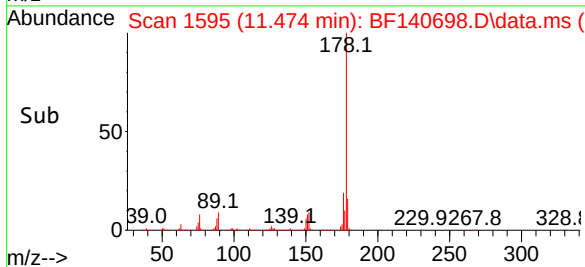
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

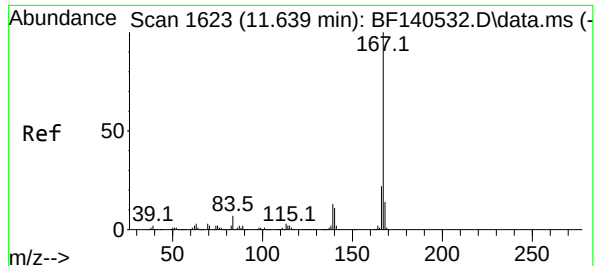


#72
Anthracene
Concen: 56.872 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23



Tgt Ion:178 Resp: 900612
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.6 12.2 18.4





#73

Carbazole

Concen: 54.503 ng

RT: 11.633 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

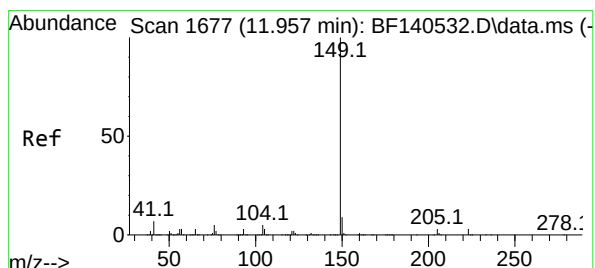
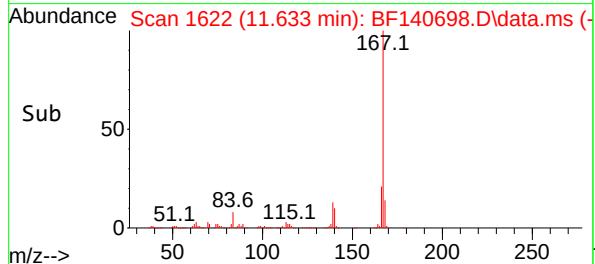
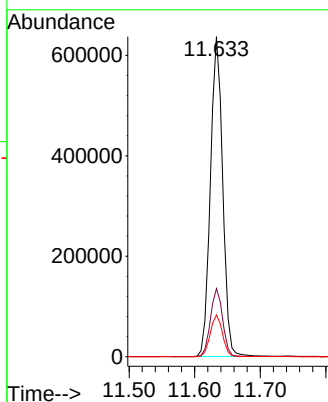
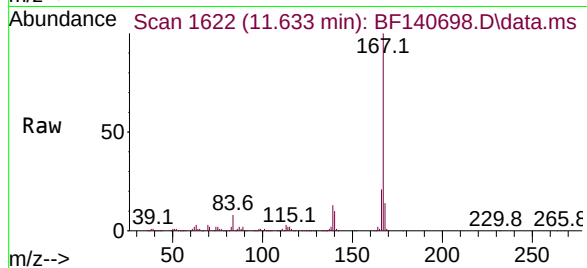
SOIL-1-HAMMSD

Tgt Ion:167	Resp: 830304
Ion Ratio	Lower Upper
167 100	
166 21.2	17.2 25.8
139 13.1	10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024



#74

Di-n-butylphthalate

Concen: 54.987 ng

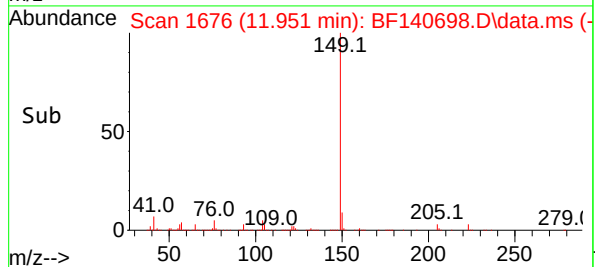
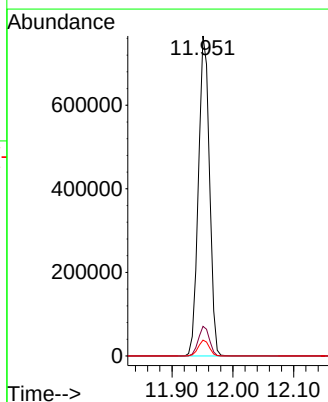
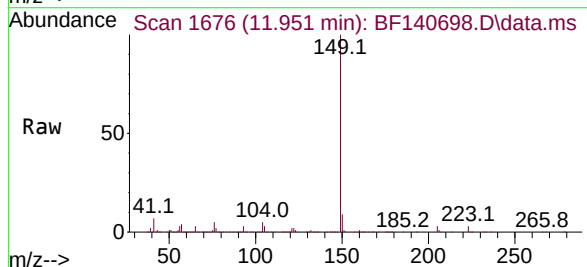
RT: 11.951 min Scan# 1676

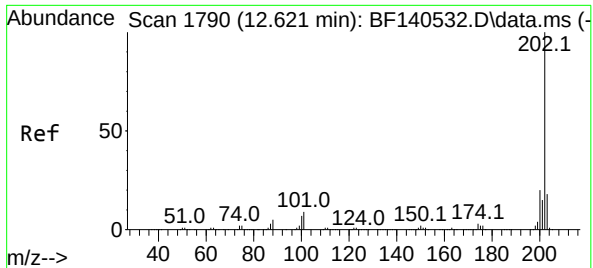
Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

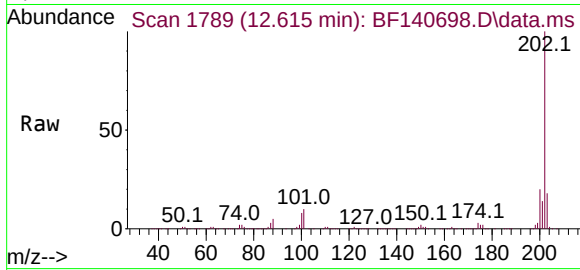
Tgt Ion:149	Resp: 967085
Ion Ratio	Lower Upper
149 100	
150 9.3	7.5 11.3
104 5.0	4.1 6.1





#75
Fluoranthene
Concen: 56.154 ng
RT: 12.615 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

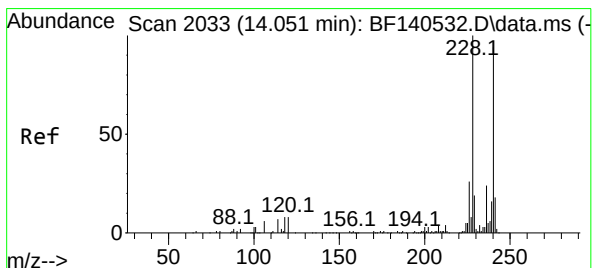
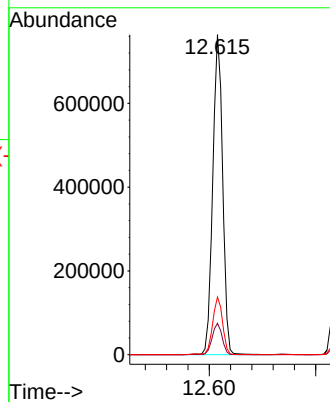
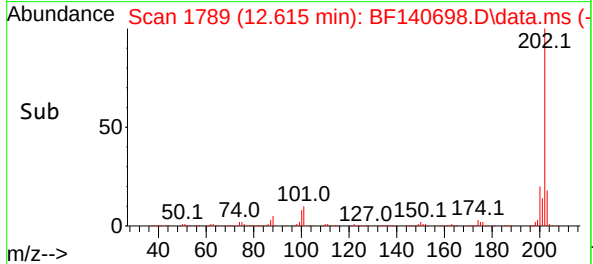
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:202 Resp: 98700
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.9
203 18.0 0.0 37.6

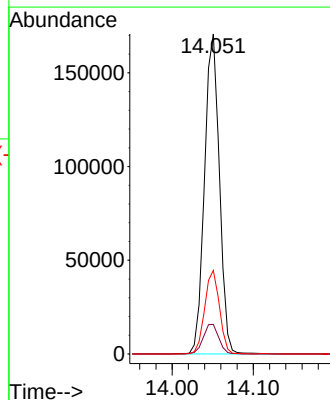
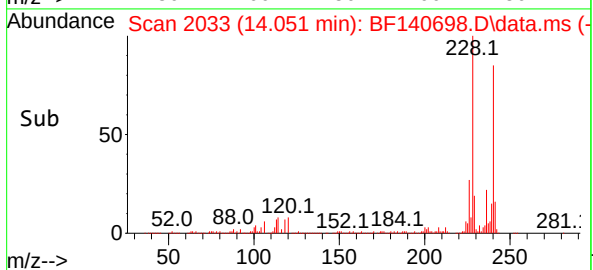
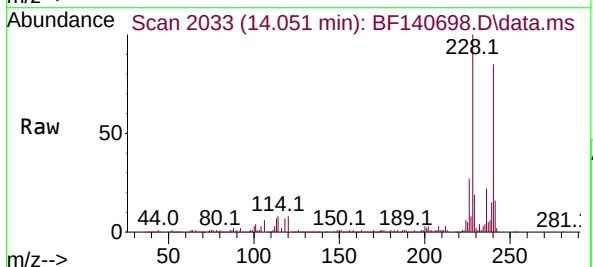
Manual Integrations
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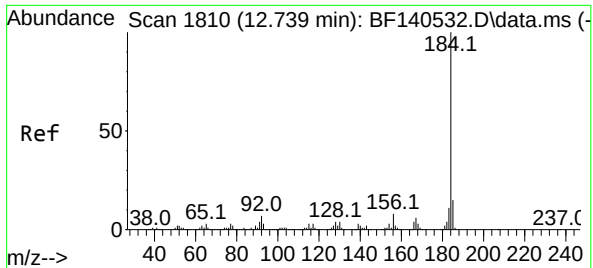
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

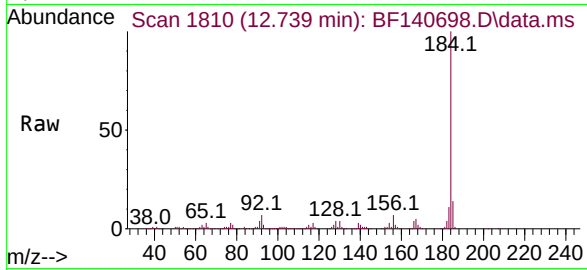
Tgt Ion:240 Resp: 217135
Ion Ratio Lower Upper
240 100
120 9.3 7.3 10.9
236 26.1 20.6 31.0





#77
Benzidine
Concen: 44.847 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

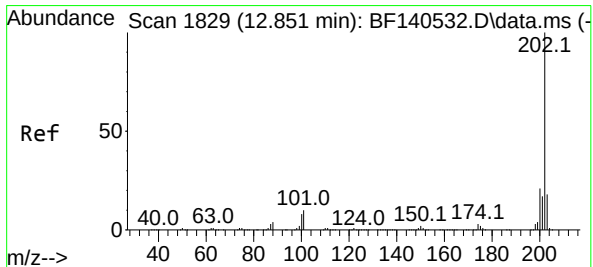
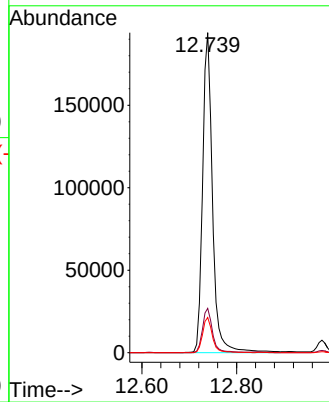
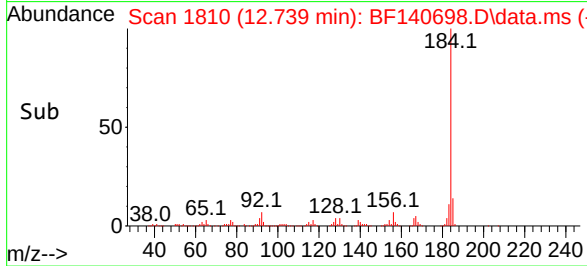
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



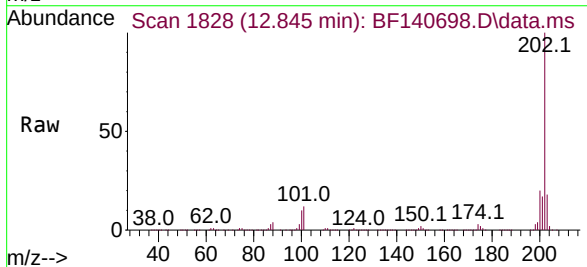
Tgt Ion:184 Resp: 28312
Ion Ratio Lower Upper
184 100
185 13.9 11.7 17.5
183 11.0 8.8 13.2

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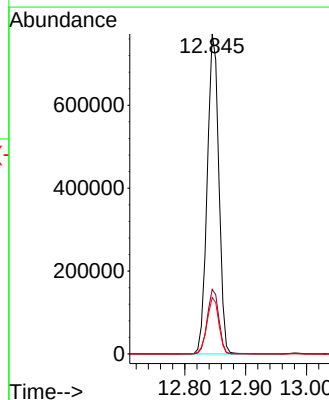
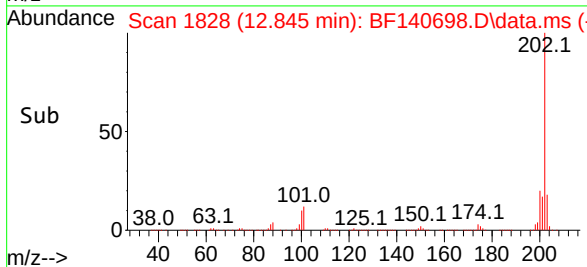
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

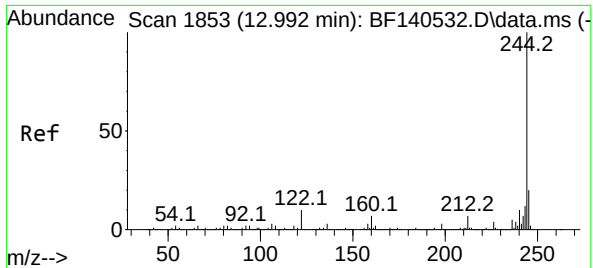


#78
Pyrene
Concen: 50.675 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23



Tgt Ion:202 Resp: 1017400
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 51.240 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:244 Resp: 71451

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

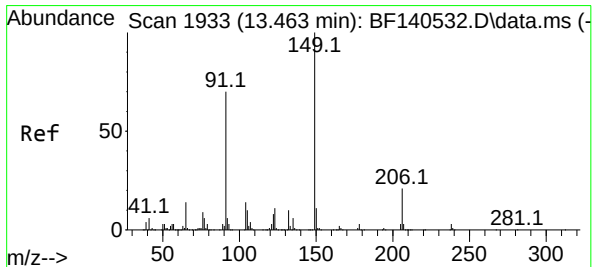
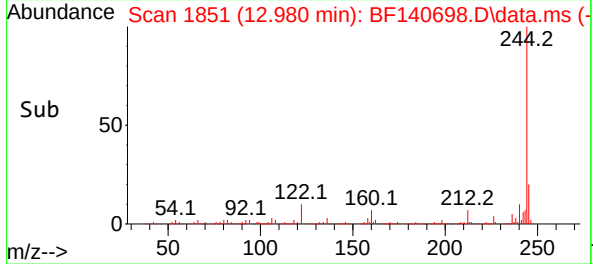
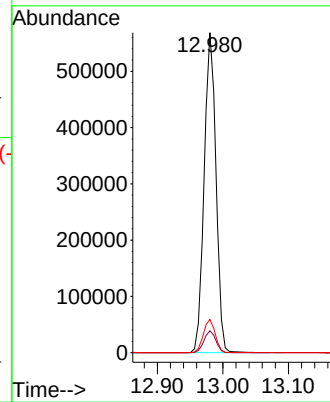
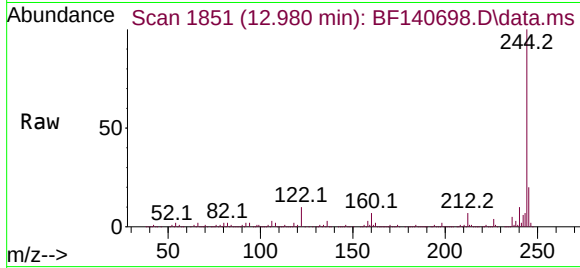
122 10.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#80

Butylbenzylphthalate

Concen: 53.857 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

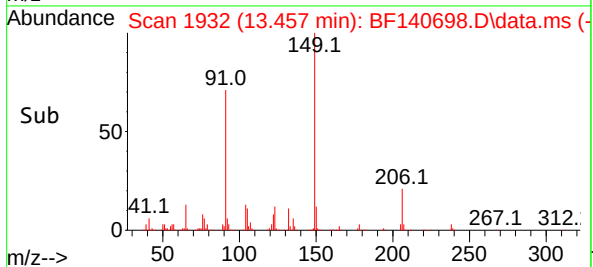
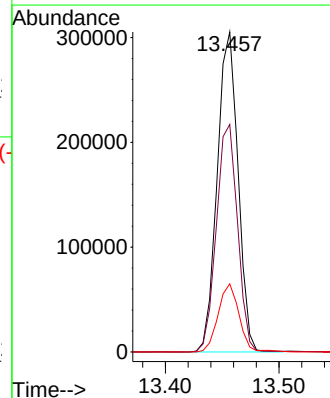
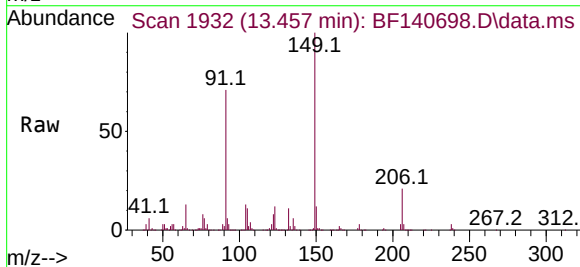
Tgt Ion:149 Resp: 389520

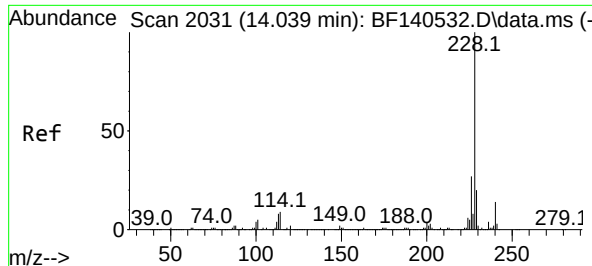
Ion Ratio Lower Upper

149 100

91 71.1 56.2 84.2

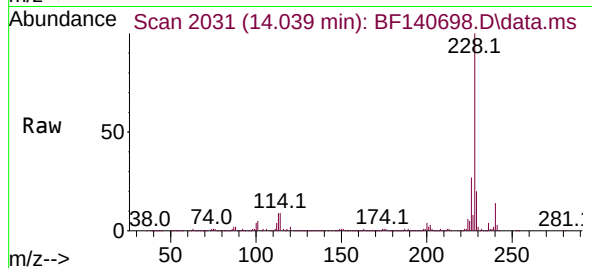
206 21.3 16.4 24.6





#81
Benzo(a)anthracene
Concen: 54.506 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

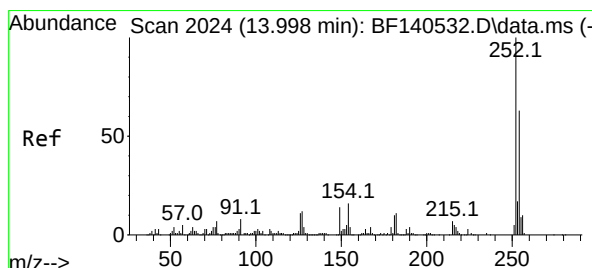
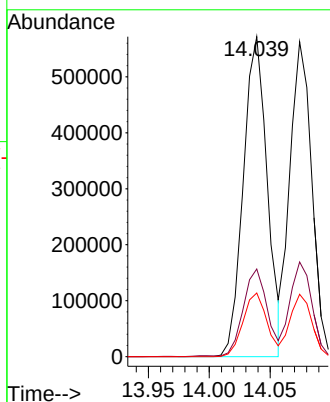
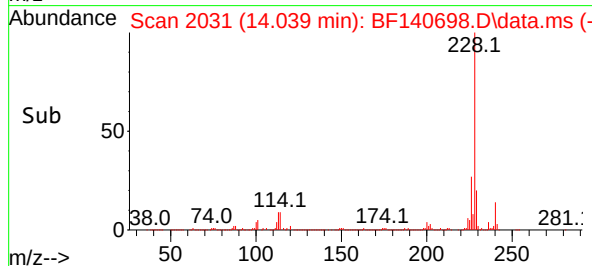
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



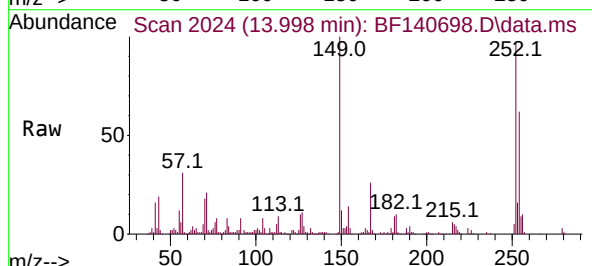
Tgt Ion:228 Resp: 783430
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 19.9 15.8 23.6

Manual Integrations
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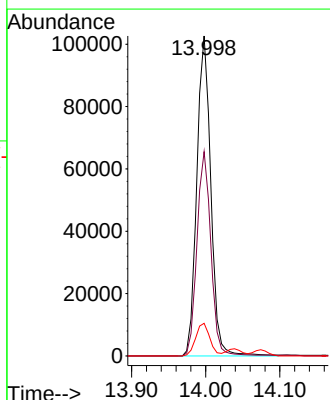
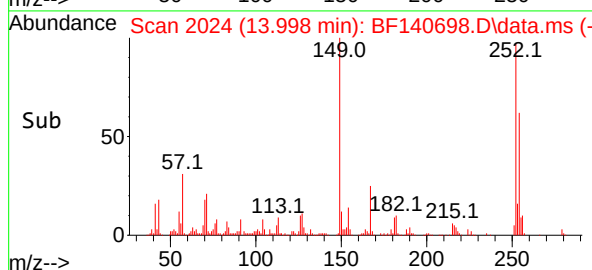
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

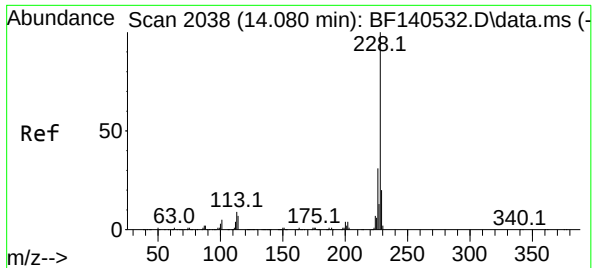


#82
3,3'-Dichlorobenzidine
Concen: 31.265 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23



Tgt Ion:252 Resp: 134922
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 10.2 8.6 13.0





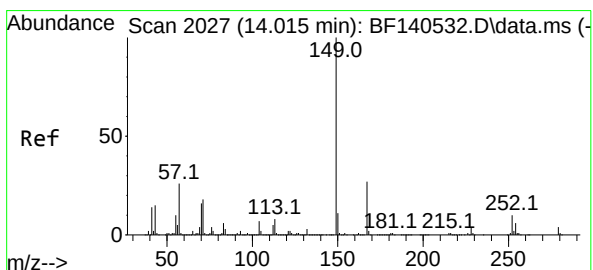
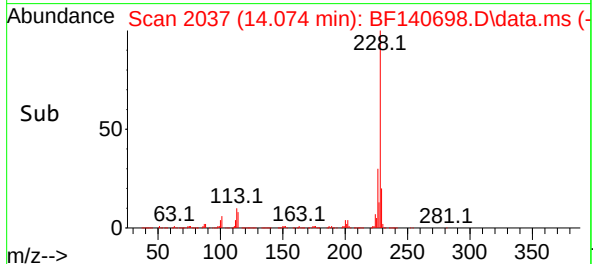
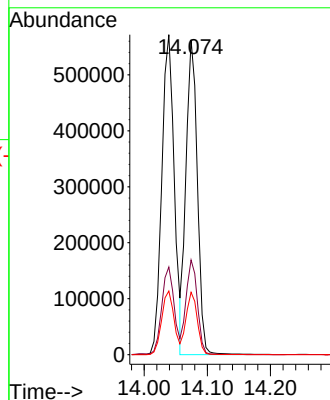
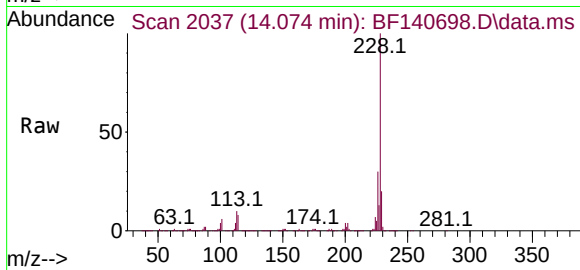
#83
Chrysene
Concen: 53.762 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD

Tgt Ion:228 Resp: 706592
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 19.8 15.8 23.6

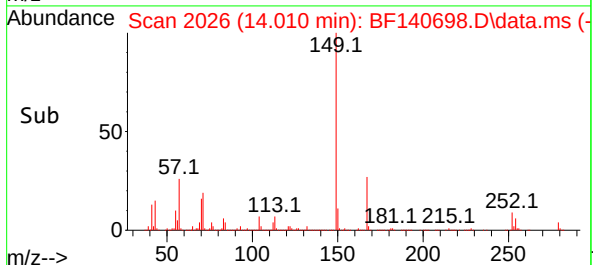
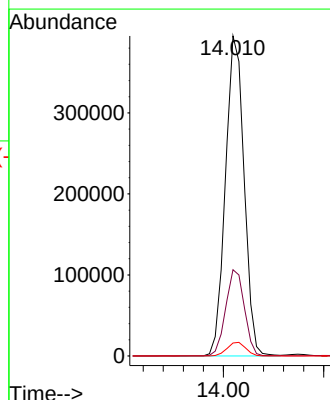
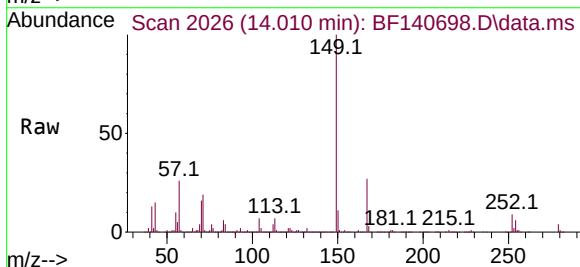
Manual Integrations
APPROVED

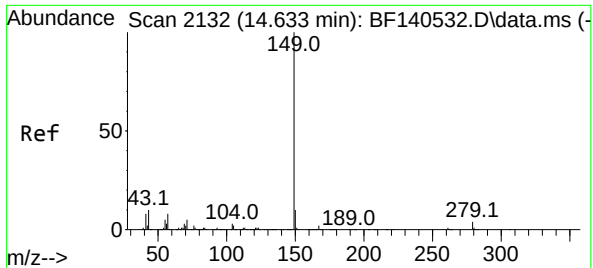
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 55.702 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

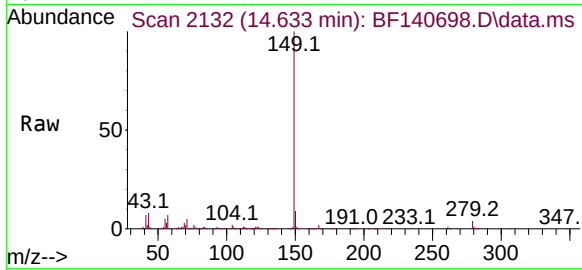
Tgt Ion:149 Resp: 508699
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 57.216 ng
RT: 14.633 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

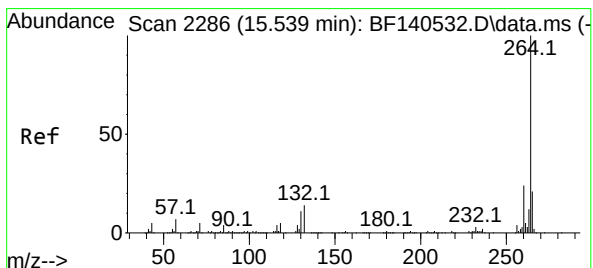
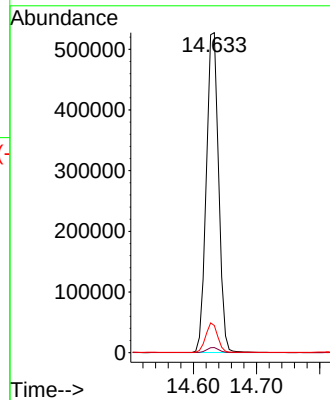
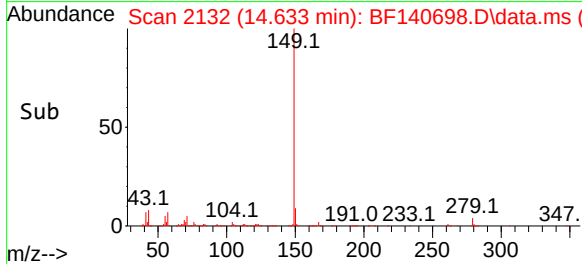
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:149 Resp: 714100
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.9 7.7 11.5

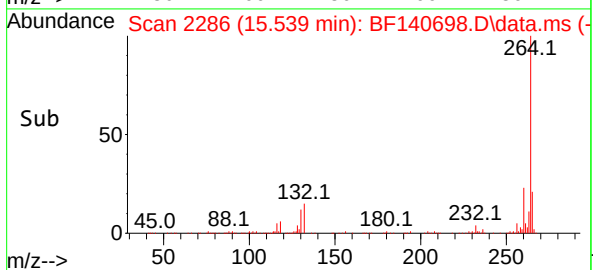
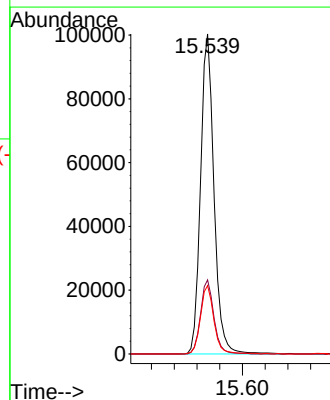
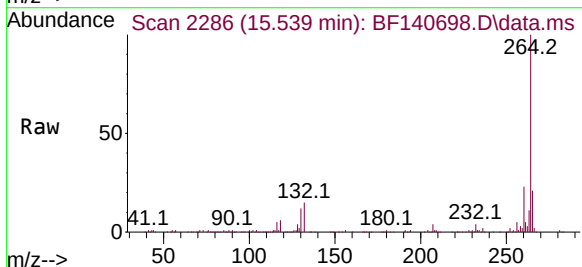
Manual Integrations
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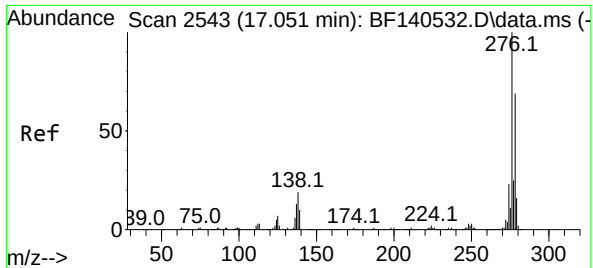
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:264 Resp: 164773
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 21.3 16.6 25.0





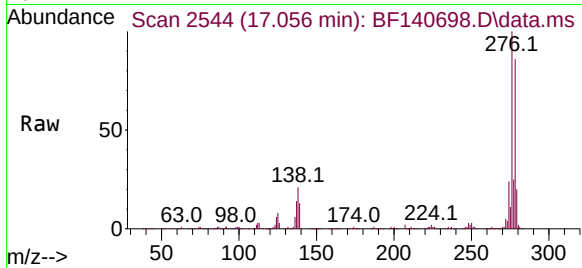
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.099 ng
RT: 17.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

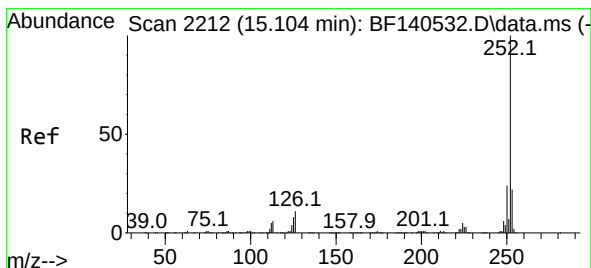
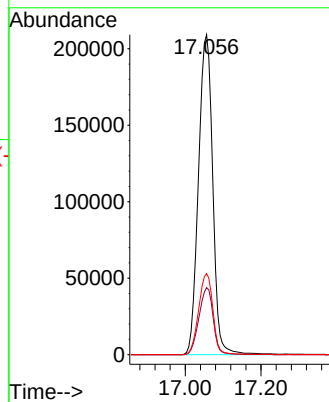
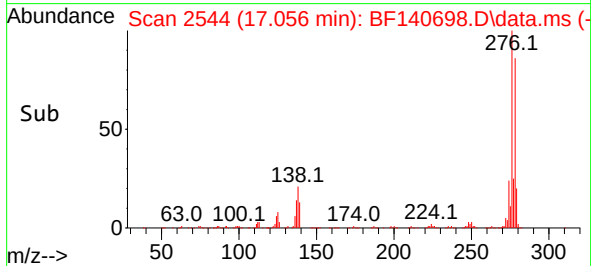


Tgt Ion:276 Resp: 54870
Ion Ratio Lower Upper
276 100
138 20.9 15.5 23.3
277 25.4 20.1 30.1

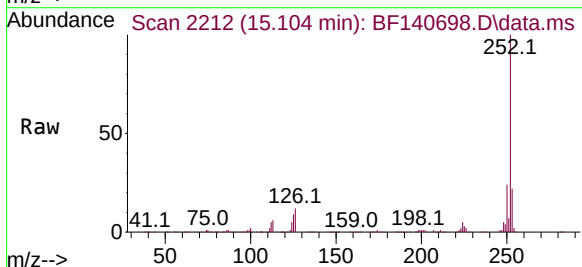
Manual Integrations

APPROVED

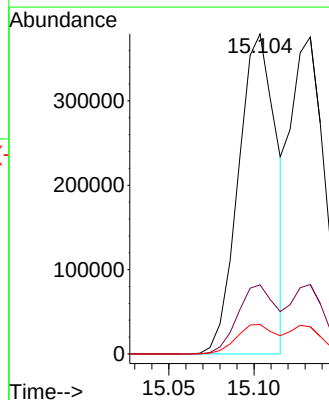
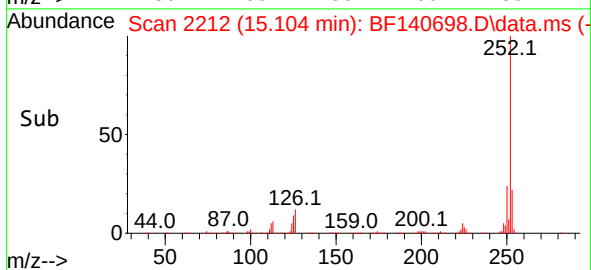
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

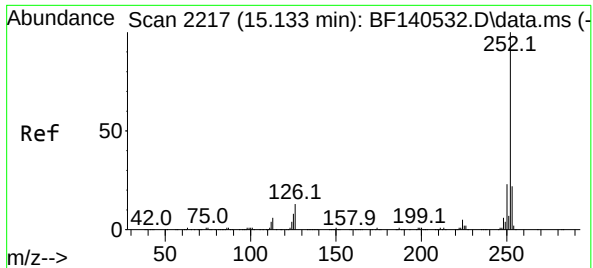


#88
Benzo(b)fluoranthene
Concen: 56.623 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23



Tgt Ion:252 Resp: 586026
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 9.2 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 57.740 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAMMSD

Tgt Ion:252 Resp: 522940

Ion Ratio Lower Upper

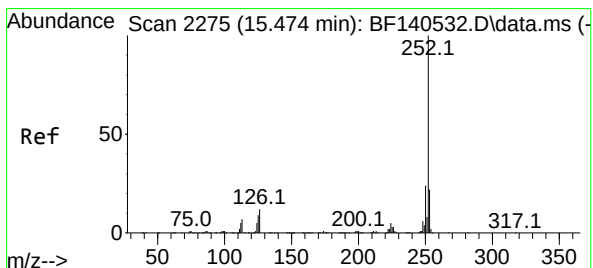
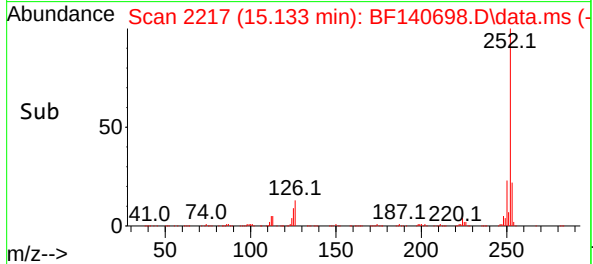
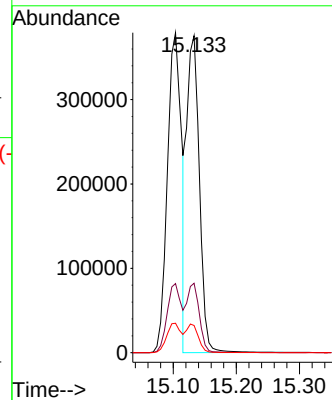
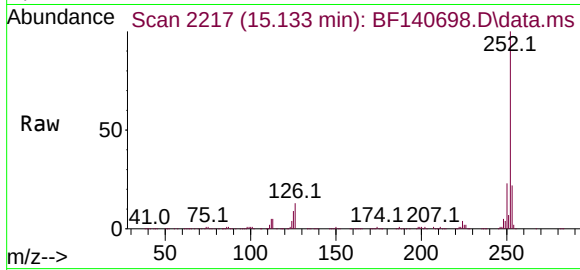
252 100

253 21.9 17.5 26.3

125 8.6 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

#90

Benzo(a)pyrene

Concen: 62.845 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140698.D

Acq: 02 Dec 2024 19:23

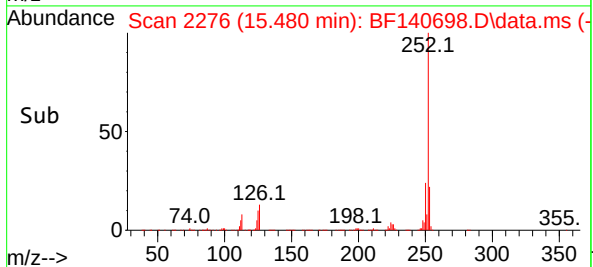
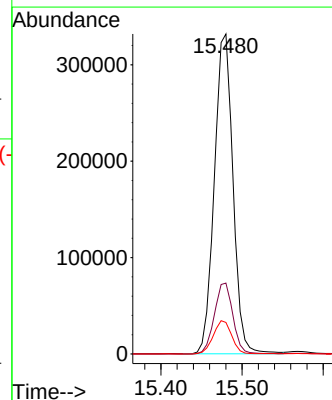
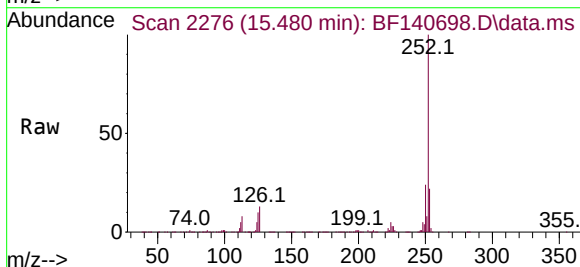
Tgt Ion:252 Resp: 528843

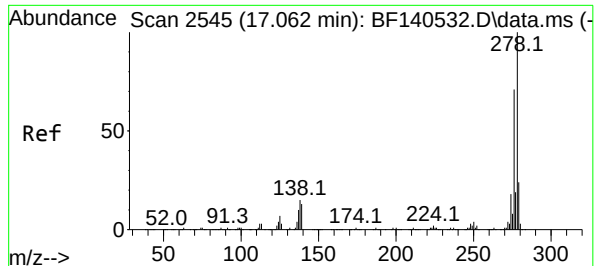
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

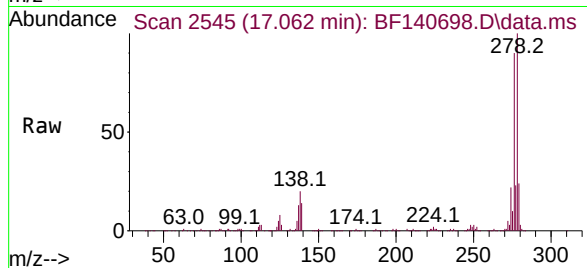
125 9.9 7.0 10.6





#91
Dibenzo(a,h)anthracene
Concen: 49.999 ng
RT: 17.062 min Scan# 2545
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

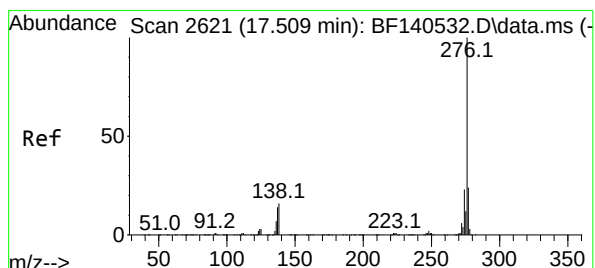
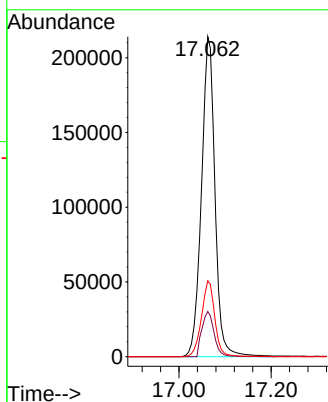
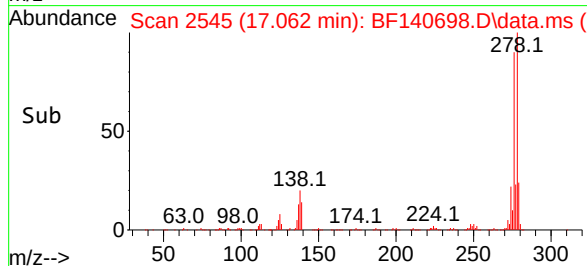
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAMMSD



Tgt Ion:278 Resp: 439698
Ion Ratio Lower Upper
278 100
139 14.1 10.2 15.4
279 23.7 18.9 28.3

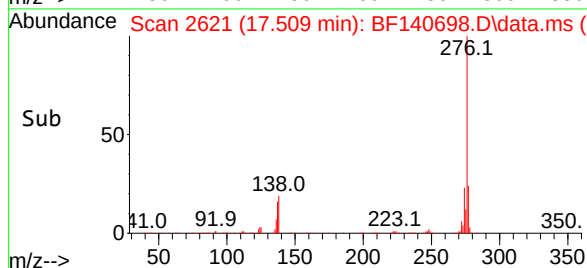
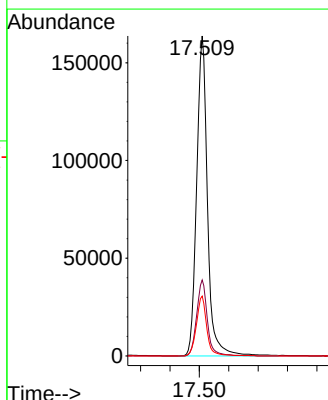
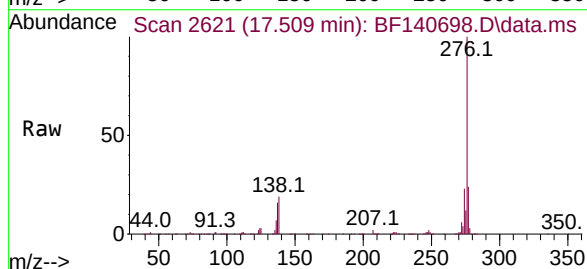
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#92
Benzo(g,h,i)perylene
Concen: 46.808 ng
RT: 17.509 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BF140698.D
Acq: 02 Dec 2024 19:23

Tgt Ion:276 Resp: 420045
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 18.7 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:

BF120224

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140681.D	2,4-Dimethylphenol	yogesh	12/3/2024 12:27:19 AM	mohammad	12/5/2024 6:07:39 AM	Peak Integrated by Software
P5026-05MS	BF140697.D	2,4-Dimethylphenol	Jagrut	12/3/2024 11:16:58 AM	mohammad	12/5/2024 6:07:39 AM	Peak Integrated by Software
P5026-05MS	BF140697.D	Caprolactam	Jagrut	12/3/2024 11:16:58 AM	mohammad	12/5/2024 6:07:39 AM	Peak Integrated by Software
P5026-05MSD	BF140698.D	2,4-Dimethylphenol	Jagrut	12/3/2024 11:17:00 AM	mohammad	12/5/2024 6:07:39 AM	Peak Integrated by Software
P5026-05MSD	BF140698.D	Caprolactam	Jagrut	12/3/2024 11:17:00 AM	mohammad	12/5/2024 6:07:39 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf120324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140702.D	2,4-Dimethylphenol	Jagrut	12/3/2024 5:53:17 PM	mohammad	12/5/2024 6:07:59 AM	Peak Integrated by Software
SSTDCCC040	BF140702.D	Pentachlorophenol	Jagrut	12/3/2024 5:53:17 PM	mohammad	12/5/2024 6:07:59 AM	Peak Integrated by Software
PB165312BS	BF140704.D	2,4-Dimethylphenol	Jagrut	12/3/2024 5:53:19 PM	mohammad	12/5/2024 6:07:59 AM	Peak Integrated by Software
PB165312BS	BF140704.D	Caprolactam	Jagrut	12/3/2024 5:53:19 PM	mohammad	12/5/2024 6:07:59 AM	Peak Integrated by Software

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 # BF120224

Review By	yogesh	Review On	12/3/2024 12:27:35 AM
Supervise By	mohammad	Supervise On	12/5/2024 6:07:39 AM
SubDirectory	BF120224	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	S12330,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140680.D	02 Dec 2024 09:05	RC/JU	Ok
2	SSTDCCC040	BF140681.D	02 Dec 2024 10:22	RC/JU	Ok,M
3	PB165296BL	BF140682.D	02 Dec 2024 10:57	RC/JU	Ok
4	PB165296BS	BF140683.D	02 Dec 2024 11:23	RC/JU	Ok,M
5	PB165296BSD	BF140684.D	02 Dec 2024 11:49	RC/JU	Ok,M
6	PB165294BL	BF140685.D	02 Dec 2024 12:15	RC/JU	Ok
7	PB165294BS	BF140686.D	02 Dec 2024 12:41	RC/JU	Ok,M
8	PB165248TB	BF140687.D	02 Dec 2024 13:07	RC/JU	Ok
9	P5021-05	BF140688.D	02 Dec 2024 15:03	RC/JU	Ok
10	P5021-04	BF140689.D	02 Dec 2024 15:29	RC/JU	Ok
11	P5006-18	BF140690.D	02 Dec 2024 15:55	RC/JU	Ok
12	P5021-01	BF140691.D	02 Dec 2024 16:21	RC/JU	Ok
13	P5048-04	BF140692.D	02 Dec 2024 16:47	RC/JU	Ok
14	P5005-02	BF140693.D	02 Dec 2024 17:13	RC/JU	Ok
15	P5005-02MS	BF140694.D	02 Dec 2024 17:39	RC/JU	Ok,M
16	P5005-02MSD	BF140695.D	02 Dec 2024 18:05	RC/JU	Ok,M
17	P5026-05	BF140696.D	02 Dec 2024 18:31	RC/JU	Ok
18	P5026-05MS	BF140697.D	02 Dec 2024 18:57	RC/JU	Ok,M
19	P5026-05MSD	BF140698.D	02 Dec 2024 19:23	RC/JU	Ok,M
20	P5045-01	BF140699.D	02 Dec 2024 19:49	RC/JU	Dilution
21	P5046-01	BF140700.D	02 Dec 2024 20:16	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF120324

Review By	Jagrut	Review On	12/4/2024 2:55:44 PM
Supervise By	mohammad	Supervise On	12/5/2024 6:07:59 AM
SubDirectory	BF120324	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	S12330,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140701.D	03 Dec 2024 10:24	RC/JU	Ok
2	SSTDCCC040	BF140702.D	03 Dec 2024 11:24	RC/JU	Ok,M
3	PB165312BL	BF140703.D	03 Dec 2024 11:56	RC/JU	Ok
4	PB165312BS	BF140704.D	03 Dec 2024 12:22	RC/JU	Ok,M
5	PB165316BL	BF140705.D	03 Dec 2024 12:48	RC/JU	Ok
6	PB165316BS	BF140706.D	03 Dec 2024 13:14	RC/JU	Ok,M
7	PB165297TB	BF140707.D	03 Dec 2024 13:40	RC/JU	Ok
8	PB165339BS	BF140708.D	03 Dec 2024 14:06	RC/JU	Ok,M
9	PB165339BL	BF140709.D	03 Dec 2024 14:32	RC/JU	Ok
10	P5021-02	BF140710.D	03 Dec 2024 14:59	RC/JU	Ok
11	P5021-03	BF140711.D	03 Dec 2024 15:24	RC/JU	Ok
12	P5021-06	BF140712.D	03 Dec 2024 15:50	RC/JU	Ok
13	P5052-19	BF140713.D	03 Dec 2024 16:16	RC/JU	Ok
14	P5052-19MS	BF140714.D	03 Dec 2024 16:42	RC/JU	Ok,M
15	P5052-19MSD	BF140715.D	03 Dec 2024 17:08	RC/JU	Ok,M
16	P5045-01DL	BF140716.D	03 Dec 2024 17:34	RC/JU	Ok,M
17	P5052-01	BF140717.D	03 Dec 2024 18:00	RC/JU	Ok,M
18	P5026-01	BF140718.D	03 Dec 2024 18:26	RC/JU	Ok
19	P5052-07	BF140719.D	03 Dec 2024 18:52	RC/JU	Ok
20	P5025-05	BF140720.D	03 Dec 2024 19:18	RC/JU	Ok,M
21	P5052-13	BF140721.D	03 Dec 2024 19:44	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF120324

Review By	Jagrut	Review On	12/4/2024 2:55:44 PM
Supervise By	mohammad	Supervise On	12/5/2024 6:07:59 AM
SubDirectory	BF120324	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	S12330,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P5048-01	BF140722.D	03 Dec 2024 20:10	RC/JU	Ok,M
23	P5025-01	BF140723.D	03 Dec 2024 20:36	RC/JU	Ok,M

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 # BF120224

Review By	yogesh	Review On	12/3/2024 12:27:35 AM
Supervise By	mohammad	Supervise On	12/5/2024 6:07:39 AM
SubDirectory	BF120224	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	S12330,10ul/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	BF140680.D	02 Dec 2024 09:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140681.D	02 Dec 2024 10:22		RC/JU	Ok,M
3	PB165296BL	PB165296BL	BF140682.D	02 Dec 2024 10:57		RC/JU	Ok
4	PB165296BS	PB165296BS	BF140683.D	02 Dec 2024 11:23		RC/JU	Ok,M
5	PB165296BSD	PB165296BSD	BF140684.D	02 Dec 2024 11:49		RC/JU	Ok,M
6	PB165294BL	PB165294BL	BF140685.D	02 Dec 2024 12:15		RC/JU	Ok
7	PB165294BS	PB165294BS	BF140686.D	02 Dec 2024 12:41		RC/JU	Ok,M
8	PB165248TB	PB165248TB	BF140687.D	02 Dec 2024 13:07		RC/JU	Ok
9	P5021-05	MW-13	BF140688.D	02 Dec 2024 15:03		RC/JU	Ok
10	P5021-04	MW-11	BF140689.D	02 Dec 2024 15:29		RC/JU	Ok
11	P5006-18	TW-WTS-02	BF140690.D	02 Dec 2024 15:55		RC/JU	Ok
12	P5021-01	MW-06	BF140691.D	02 Dec 2024 16:21		RC/JU	Ok
13	P5048-04	MH-746-WC	BF140692.D	02 Dec 2024 16:47		RC/JU	Ok
14	P5005-02	STOCK-PILE	BF140693.D	02 Dec 2024 17:13		RC/JU	Ok
15	P5005-02MS	STOCK-PILEMS	BF140694.D	02 Dec 2024 17:39		RC/JU	Ok,M
16	P5005-02MSD	STOCK-PILEMSD	BF140695.D	02 Dec 2024 18:05		RC/JU	Ok,M
17	P5026-05	SOIL-1-HAM	BF140696.D	02 Dec 2024 18:31		RC/JU	Ok
18	P5026-05MS	SOIL-1-HAMMS	BF140697.D	02 Dec 2024 18:57		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120224

Review By	yogesh	Review On	12/3/2024 12:27:35 AM
Supervise By	mohammad	Supervise On	12/5/2024 6:07:39 AM
SubDirectory	BF120224	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	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5026-05MSD	SOIL-1-HAMMSD	BF140698.D	02 Dec 2024 19:23		RC/JU	Ok,M
20	P5045-01	SU-04-11222024	BF140699.D	02 Dec 2024 19:49	Need 2X Dilution	RC/JU	Dilution
21	P5046-01	HD-01-11272024	BF140700.D	02 Dec 2024 20:16		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120324

Review By	Jagrut	Review On	12/4/2024 2:55:44 PM
Supervise By	mohammad	Supervise On	12/5/2024 6:07:59 AM
SubDirectory	BF120324	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	S12330,10ul/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	BF140701.D	03 Dec 2024 10:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140702.D	03 Dec 2024 11:24		RC/JU	Ok,M
3	PB165312BL	PB165312BL	BF140703.D	03 Dec 2024 11:56		RC/JU	Ok
4	PB165312BS	PB165312BS	BF140704.D	03 Dec 2024 12:22		RC/JU	Ok,M
5	PB165316BL	PB165316BL	BF140705.D	03 Dec 2024 12:48		RC/JU	Ok
6	PB165316BS	PB165316BS	BF140706.D	03 Dec 2024 13:14		RC/JU	Ok,M
7	PB165297TB	PB165297TB	BF140707.D	03 Dec 2024 13:40		RC/JU	Ok
8	PB165339BS	PB165339BS	BF140708.D	03 Dec 2024 14:06		RC/JU	Ok,M
9	PB165339BL	PB165339BL	BF140709.D	03 Dec 2024 14:32		RC/JU	Ok
10	P5021-02	MW-08	BF140710.D	03 Dec 2024 14:59		RC/JU	Ok
11	P5021-03	MW-10	BF140711.D	03 Dec 2024 15:24		RC/JU	Ok
12	P5021-06	MW-12	BF140712.D	03 Dec 2024 15:50		RC/JU	Ok
13	P5052-19	OR-640-COMP-63	BF140713.D	03 Dec 2024 16:16		RC/JU	Ok
14	P5052-19MS	OR-640-COMP-63MS	BF140714.D	03 Dec 2024 16:42		RC/JU	Ok,M
15	P5052-19MSD	OR-640-COMP-63MSD	BF140715.D	03 Dec 2024 17:08		RC/JU	Ok,M
16	P5045-01DL	SU-04-11222024DL	BF140716.D	03 Dec 2024 17:34		RC/JU	Ok,M
17	P5052-01	OR-640-COMP-50	BF140717.D	03 Dec 2024 18:00		RC/JU	Ok,M
18	P5026-01	SOIL-1-HAM	BF140718.D	03 Dec 2024 18:26		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120324

Review By	Jagrut	Review On	12/4/2024 2:55:44 PM		
Supervise By	mohammad	Supervise On	12/5/2024 6:07:59 AM		
SubDirectory	BF120324	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	S12330,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P5052-07	OR-640-COMP-51	BF140719.D	03 Dec 2024 18:52		RC/JU	Ok
20	P5025-05	SOIL-EAST	BF140720.D	03 Dec 2024 19:18		RC/JU	Ok,M
21	P5052-13	OR-640-COMP-62	BF140721.D	03 Dec 2024 19:44		RC/JU	Ok
22	P5048-01	MH-746-WC	BF140722.D	03 Dec 2024 20:10		RC/JU	Ok,M
23	P5025-01	SOIL-WEST	BF140723.D	03 Dec 2024 20:36		RC/JU	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/2/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/27/2024
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: 11/28/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133667

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
P5022-01	TAPIAL2-SB02D-13-11242 4-00-T1	1	1.15	8.70	9.85	9.23	92.9	
P5025-01	SOIL-WEST	2	1.18	8.43	9.61	8.41	85.8	
P5025-03	SOIL-WEST-TPH2	3	1.17	8.60	9.77	8.54	85.7	
P5025-04	SOIL-WEST-GRAB	4	1.16	8.49	9.65	8.43	85.6	
P5025-05	SOIL-EAST	5	1.15	8.73	9.88	7.85	76.7	
P5025-07	SOIL-EAST-TPH2	6	1.11	8.70	9.81	7.76	76.4	
P5025-08	SOIL-EAST-GRAB	7	1.15	8.82	9.97	9.39	93.4	
P5026-01	SOIL-1-HAM	8	1.13	8.65	9.78	8.00	79.4	
P5026-03	SOIL-1-HAM-TPH2	9	1.17	8.50	9.67	8.72	88.8	
P5026-04	SOIL-1-HAM-GRAB	10	1.18	8.42	9.6	8.66	88.8	
P5026-05	SOIL-1-HAM	11	1.15	8.81	9.96	8.00	77.8	
P5026-07	SOIL-1-HAM-TPH2	12	1.19	8.50	9.69	7.51	74.4	
P5026-08	SOIL-1-HAM-GRAB	13	1.14	8.75	9.89	7.7	75.0	
P5045-01	SU-04-11222024	14	1.19	8.50	9.69	8.96	91.4	
P5045-02	SU-04-11222024-E2	15	1.13	8.74	9.87	8.49	84.2	
P5046-01	HD-01-11272024	16	1.17	8.57	9.74	8.8	89.0	
P5046-02	HD-01-11272024-E2	17	1.16	8.83	9.99	9.00	88.8	
P5048-01	MH-746-WC	18	1.17	8.65	9.82	9.18	92.6	
P5048-02	MH-746-EPH	19	1.15	8.80	9.95	8.91	88.2	
P5048-03	MH-746--VOC	20	1.15	8.36	9.51	8.48	87.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

133667

WorkList Name : %1-112724

WorkList ID : 185820

Department : Wet-Chemistry

Date : 11-27-2024 08:06:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5022-01	TAPIAL2-SB02D-13-112424-00.	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	11/24/2024	Chemtech -SO
P5025-01	SOIL-WEST	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5025-03	SOIL-WEST-TPH2	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5025-04	SOIL-WEST-GRAB	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5025-05	SOIL-EAST	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5025-07	SOIL-EAST-TPH2	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5025-08	SOIL-EAST-GRAB	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5026-01	SOIL-1-HAM	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5026-03	SOIL-1-HAM-TPH2	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5026-04	SOIL-1-HAM-GRAB	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5026-05	SOIL-1-HAM	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5026-07	SOIL-1-HAM-TPH2	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5026-08	SOIL-1-HAM-GRAB	Solid	Percent Solids	Cool 4 deg C	TULL02	L61	11/27/2024	Chemtech -SO
P5045-01	SU-04-11222024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/27/2024	Chemtech -SO
P5045-02	SU-04-11222024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/27/2024	Chemtech -SO
P5046-01	HD-01-11272024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/27/2024	Chemtech -SO
P5046-02	HD-01-11272024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/27/2024	Chemtech -SO
P5048-01	MH-746-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/27/2024	Chemtech -SO
P5048-02	MH-746-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/27/2024	Chemtech -SO
P5048-03	MH-746-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/27/2024	Chemtech -SO

Date/Time

11/27/24 16:10

Raw Sample Received by:

yo woc

Raw Sample Relinquished by:

yo woc

Date/Time

11/27/24

Raw Sample Received by:

yo woc

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A **Extraction Start Date :** 12/02/2024

Matrix : Solid **Extraction Start Time :** 09:00

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 12/02/2024

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 12:00

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 ☐ Continious 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	EP2566
Sand	N/A	E2865
Methylene Chloride	N/A	E3829
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.

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
12/2/24	RP (Ext Lab)	AC/SVOC
12:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/02/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165312BL	SBLK312	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U5-1
PB165312BS	SLCS312	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
P5025-01	SOIL-WEST	SVOC-PAH	30.06	N/A	ritesh	Evelyn	1	D		3
P5025-05	SOIL-EAST	SVOC-PAH	30.02	N/A	ritesh	Evelyn	1	D		4
P5026-01	SOIL-1-HAM	SVOC-PAH	30.07	N/A	ritesh	Evelyn	1	D		5
P5026-05	SOIL-1-HAM	SVOC-PAH	30.09	N/A	ritesh	Evelyn	1	E		6
P5026-05MS	SOIL-1-HAMMS	SVOC-PAH	30.08	N/A	ritesh	Evelyn	1	E		U4-1
P5026-05MS D	SOIL-1-HAMMSD	SVOC-PAH	30.05	N/A	ritesh	Evelyn	1	E		2
P5045-01	SU-04-11222024	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
P5046-01	HD-01-11272024	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		4
P5048-01	MH-746-WC	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5

* Extracts relinquished on the same date as received.

12/2/24

16312
9:08

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5048 WorkList ID : 185874 Department : Extraction Date : 12-02-2024 08:15:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample		
						Storage Location	Collect Date	Method
P5025-01	SOIL-WEST	Solid	SVOC-PAH	Cool 4 deg C	TULL02	L61	11/27/2024	8270E
P5025-05	SOIL-EAST	Solid	SVOC-PAH	Cool 4 deg C	TULL02	L61	11/27/2024	8270E
P5026-01	SOIL-1-HAM	Solid	SVOC-PAH	Cool 4 deg C	TULL02	L61	11/27/2024	8270E
P5026-05	SOIL-1-HAM	Solid	SVOC-PAH	Cool 4 deg C	TULL02	L61	11/27/2024	8270E
P5045-01	SU-04-11222024	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L51	11/27/2024	8270E
P5046-01	HD-01-11272024	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L51	11/27/2024	8270E
P5048-01	MH-746-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	11/27/2024	8270E

Date/Time 12/2/24 8:55
Raw Sample Received by: DJ (84144)
Raw Sample Relinquished by: DJ

Date/Time 12/2/24 9:25
Raw Sample Received by: CP
Raw Sample Relinquished by: DJ (84144)



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
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www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

PS026

2042079

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Tully Construction Co. Inc

ADDRESS: 104th St & 164th Drive

CITY: Queens STATE: NY ZIP: _____

ATTENTION: Dean Devoe

PHONE: _____

FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: _____

PROJECT NO.: _____ LOCATION: _____

PROJECT MANAGER: _____

e-mail: _____

PHONE: _____

FAX: _____

CLIENT BILLING INFORMATION

BILL TO: _____ PO#: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1 Vol's 2 Svor & PCB 3 TEL 4 Corrosivity 5 Ignitability 6 Reactivity 7 Reactive Cyn 8 Mercaptan Sulfide 9 TPH

PRESERVATIVES

COMMENTS

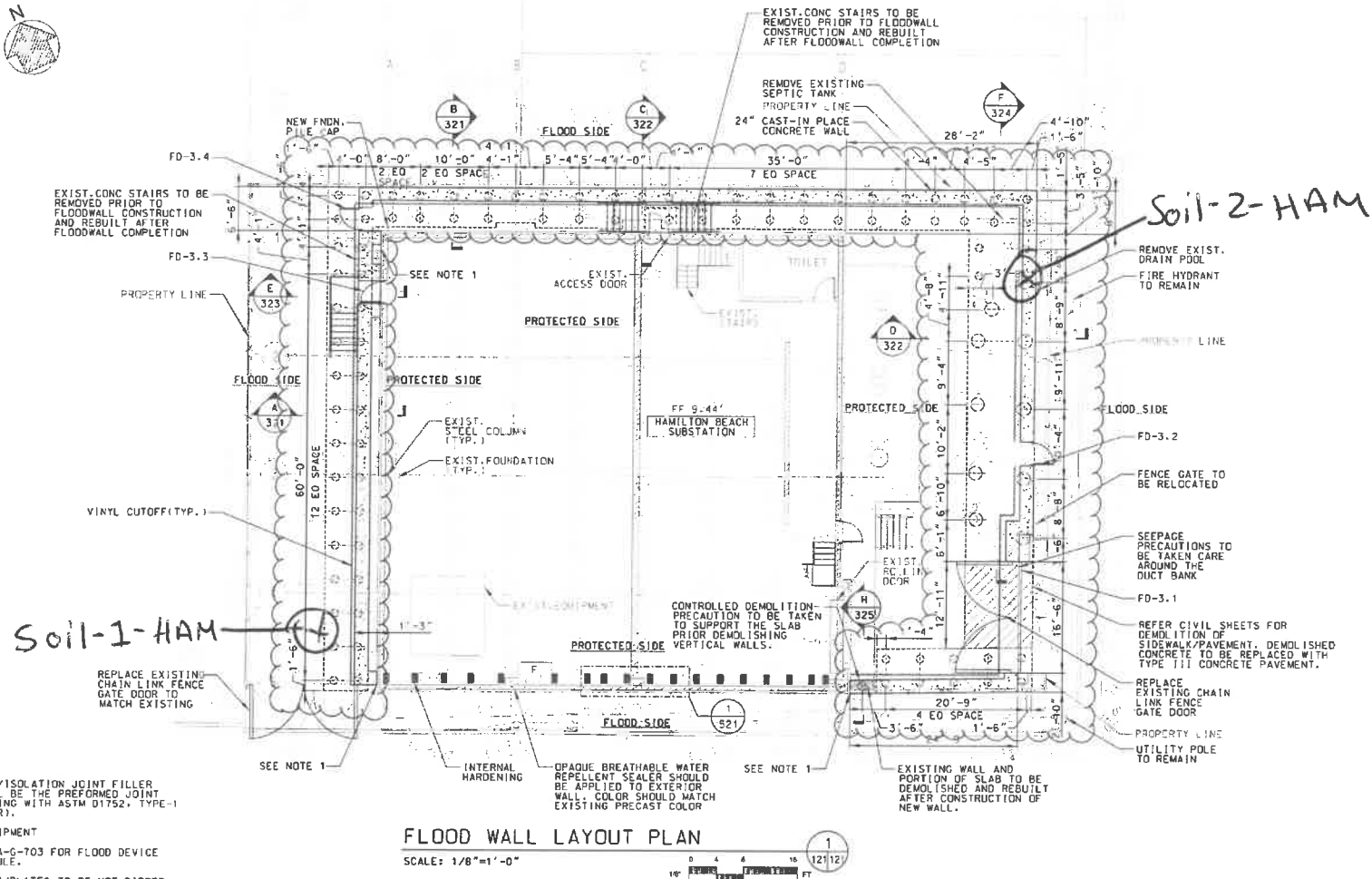
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E/F	E	E	E	E	E	E	E	E	
1.	SOIL-1-HAM	SOL	X		11-27-24	1042	7		X	X	X	X	X	X	X	X	
2.	SOIL-1-HAM			X		1045	4	X									0.0 ppm
3.	SOIL-1-HAM-TPH2		X			1050	1									X	
4.	SOIL-2-HAM		X			1110	7		X	X	X	X	X	X	X	X	
5.	SOIL-2-HAM			X		1112	4	X									0.0 ppm
6.	SOIL-2-HAM-TPH2		X			1115	1									X	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>1130</u> <u>11-27-24</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C Comments: <u>Collected 8:1 Composite Sample + (2) 5:1 Composite Sample for sampling protocol</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: 2. _____	<u>PID Calibration 11-27-24</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1400</u> <u>11-27-24</u>	RECEIVED BY: 3. _____	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☒ Field Sampling

Shipment Complete

☐ YES ☐ NO



NOTES:

1. THE EXPANSION/ISOLATION JOINT FILLER MATERIAL SHALL BE THE PREFORMED JOINT FILLER COMPLYING WITH ASTM D1752, TYPE-1 (SPONGE RUBBER).
2. F - FIXED EQUIPMENT
3. REFER P36343-6-C-703 FOR FLOOD DEVICE OPENING SCHEDULE.
4. ALL HSS/ANGLES/PLATES TO BE HOT DIPPED GALVANIZED SECTIONS.

FLOOD WALL LAYOUT PLAN

SCALE: 1/8"=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 OR ARCHITECT. THE DRAWING NUMBER, SCALE, DATE, TITLE, PROJECT NAME, AND A SIGNATURE OF THE ENGINEER OR ARCHITECT SHALL BE PLACED IN THE BOTTOM RIGHT CORNER OF THE DRAWING.

CONTRACT P-36343
FLOOD MITIGATION AT TWENTY SIX (26) SUBSTATIONS
IN THE BOROUGH OF BROOKLYN, MANHATTAN AND QUEENS
**HAMILTON BEACH
SUBSTATION FLOOD
WALL PLAN**



DRAWN BY	R. NUTHAN	<i>Nathan</i>	DATE	04/15/2024
DESIGNED BY	KUDAY	<i>Kuday</i>	DRAWING	STRUCTURAL
CHECKED BY	DINAKAR KN	<i>Dinakar</i>	PROJECT NO.	P36343-HAM-CS-121
APPROVED BY	C. JEDRICH, PE	<i>Jedrich</i>	REVISION	

REVISION	DESCRIPTION	DATE	APPROVED

REVISIONS

SDSIGN&FILEEXPANDEDSSPECS

PRINT AS OF SDATES&OFSPLOTTINGS

USERSNAME



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: _____

Chemtech Order ID: _____

Service Order #: _____

Sampler Name: Jeremy N
Client Project Coordinator & Phone: _____

Work Order #: _____

Dean D

Labor WBS #: _____

Page #: 1 of 1

Facility/Site: Hamilton Beach Sub

Date: 11-27-24

Site Address: 104th Street &

Arrive Time: 1030

104th Drive, Queens NY

Depart Time: 1130

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): 2-3 °C

PID Readings (range): 0-0

PPM

Odor: y

N

Color: y

(N)

Sample Description: wet sand, rocks.

Field Observations: very wet sand, (2) unique locations

Grid/Area Composite Map:

QA Control # A3041134

See

Affirmed

MAP

Sampler Signature: JM

Supervisor Review/Date: _____

Client Signature: _____

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 : P5026 TULL02

Order Date : 11/27/2024 11:24:00 AM

Project Mgr :

Client Name : Tully Construction Co., Inc.

Project Name : Hamilton

Report Type : Level 1

Client Contact : Dean Devoe

Receive DateTime : 11/27/2024 2:00:00 PM

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
P5026-04	SOIL-1-HAM-GRAB	Solid	11/27/2024	10:45	VOC-TCLVOA-10		8260D	5 Bus. Days	
P5026-08	SOIL-1-HAM-GRAB	Solid	11/27/2024	11:12	VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By :

Date / Time :

DM
11-27-24 1435

Received By :

Date / Time :

Sam
11/27/24 14:35 RJL
AZL

Storage Area : VOA Refridgerator Room