

Cover Page

Order ID : P4397

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number

P4397-01
P4397-02
P4397-04
P4397-05
P4397-06

Client Sample Number

WB-301-TOP
WB-301-BOT
WB-301-SW
TB-10102024
WB-301-BOT

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: 11/6/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2024

Project # N/A

Chemtech Project # P4397

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 10/11/2024.

2 Water samples were received on 10/11/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis except for WB-301-BOT, extracted out of hold, as sample active out of holding time.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.



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

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: P4397

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 Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 11/06/2024

LAB CHRONICLE

OrderID:	P4397	OrderDate:	10/11/2024 3:19:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K32,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4397-01	WB-301-TOP	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/14/24	10/23/24	10/11/24
P4397-02	WB-301-BOT	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/14/24	10/23/24	10/11/24
P4397-04	WB-301-SW	Water	SVOC-TCL BNA -20	8270E	10/10/24	10/15/24	10/23/24	10/11/24
P4397-06	WB-301-BOT	TCLP	TCLP BNA	8270E	10/10/24	10/22/24	10/23/24	10/11/24



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

Hit Summary Sheet SW-846

SDG No.: P4397
Client: Portal Partners Tri-Venture

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.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4397-06	WB-301-BOT	2-Fluorophenol	150	134	89		15 (10)	110 (139)
		Phenol-d6	150	127	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.6	99		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.9	92		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	91.2	91		30 (48)	130 (125)
P4397-06MS	WB-301-BOTMS	2-Fluorophenol	150	127	85		15 (10)	110 (139)
		Phenol-d6	150	118	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.6	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	140	94		15 (44)	110 (137)
		Terphenyl-d14	100	79.0	79		30 (48)	130 (125)
P4397-06MSD	WB-301-BOTMSD	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	130	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	111	111		30 (49)	130 (133)
		2-Fluorobiphenyl	100	112	112		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	103		15 (44)	110 (137)
		Terphenyl-d14	100	84.9	85		30 (48)	130 (125)
PB164261TB	PB164261TB	2-Fluorophenol	150	133	88		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.2	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.6	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB164315BL	PB164315BL	2-Fluorophenol	150	134	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	161	108		15 (44)	110 (137)
		Terphenyl-d14	100	95.3	95		30 (48)	130 (125)
PB164315BS	PB164315BS	2-Fluorophenol	150	126	84		15 (10)	110 (139)
		Phenol-d6	150	123	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.4	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4397-06MS		Client Sample ID: WB-301-BOTMS		DataFile: BF139970.D							
Pyridine	500	0	260	ug/L	52				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	410	ug/L	82				70 (55)	130 (125)	
2-Methylphenol	500	0	450	ug/L	90				70 (37)	130 (126)	
3+4-Methylphenols	500	0	430	ug/L	86				20 (31)	160 (127)	
Hexachloroethane	500	0	400	ug/L	80				20 (49)	160 (110)	
Nitrobenzene	500	0	430	ug/L	86				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	440	ug/L	88				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	520	ug/L	104				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	490	ug/L	98				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	520	ug/L	104				70 (50)	130 (142)	
Hexachlorobenzene	500	0	490	ug/L	98				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1000	ug/L	100				20 (25)	160 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4397-06MSD	Client Sample ID:	WB-301-BOTMSD					DataFile:	BF139971.D		
Pyridine	500	0	310	ug/L	62		18		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	450	ug/L	90		9		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	490	ug/L	98		9		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	470	ug/L	94		9		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	440	ug/L	88		10		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	490	ug/L	98		13		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	490	ug/L	98		11		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	570	ug/L	114		9		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	540	ug/L	108		10		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	570	ug/L	114		9		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	550	ug/L	110		12		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1100	ug/L	110		10		20 (25)	160 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF139994.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164315BS	Pyridine	50	38.8	ug/L	78				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	45.3	ug/L	91				70 (76)	130 (103)	
	2-Methylphenol	50	46.6	ug/L	93				70 (69)	130 (109)	
	3+4-Methylphenols	50	44.2	ug/L	88				20 (67)	160 (106)	
	Hexachloroethane	50	45.5	ug/L	91				20 (76)	160 (118)	
	Nitrobenzene	50	43.6	ug/L	87				70 (58)	130 (106)	
	Hexachlorobutadiene	50	45.3	ug/L	91				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	50.9	ug/L	102				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	49.7	ug/L	99				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	54.7	ug/L	109				70 (60)	130 (115)	
	Hexachlorobenzene	50	49.6	ug/L	99				70 (73)	130 (106)	
	Pentachlorophenol	100	99.2	ug/L	99				20 (47)	160 (114)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164315BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4397

SAS No.: P4397 SDG NO.: P4397

Lab File ID: BF139993.D

Lab Sample ID: PB164315BL

Instrument ID: BNA_F

Date Extracted: 10/22/2024

Matrix: (soil/water) water

Date Analyzed: 10/24/2024

Level: (low/med) LOW

Time Analyzed: 11:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164315BS	PB164315BS	BF139994.D	10/24/2024
PB164261TB	PB164261TB	BF140002.D	10/24/2024
WB-301-BOT	P4397-06	BF139967.D	10/23/2024
WB-301-BOTMS	P4397-06MS	BF139970.D	10/23/2024
WB-301-BOTMSD	P4397-06MSD	BF139971.D	10/23/2024

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4397 SDG NO.: P4397Lab File ID: BF139843.DDFTPP Injection Date: 10/18/2024Instrument ID: BNA_FDFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4397 SDG NO.: P4397Lab File ID: BF139964.DDFTPP Injection Date: 10/23/2024Instrument ID: BNA_FDFTPP Injection Time: 15:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39
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	6.1
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.2
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	19.1 (19.1) 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
SSTDCCC040	SSTDCCC040	BF139965.D	10/23/2024	15:30
WB-301-BOT	P4397-06	BF139967.D	10/23/2024	16:32
WB-301-BOTMS	P4397-06MS	BF139970.D	10/23/2024	17:59
WB-301-BOTMSD	P4397-06MSD	BF139971.D	10/23/2024	18:28



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4397 SDG NO.: P4397Lab File ID: BF139989.DDFTPP Injection Date: 10/24/2024Instrument ID: BNA_FDFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	37.5
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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
SSTDCCC040	SSTDCCC040	BF139990.D	10/24/2024	09:55
PB164315BL	PB164315BL	BF139993.D	10/24/2024	11:20
PB164315BS	PB164315BS	BF139994.D	10/24/2024	11:49



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P4397 SDG NO.: P4397Lab File ID: BF140000.DDFTPP Injection Date: 10/24/2024Instrument ID: BNA_FDFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140001.D	10/24/2024	15:16
PB164261TB	PB164261TB	BF140002.D	10/24/2024	15:44

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	159858	6.892	611382	8.18	340124	9.93
UPPER LIMIT	319716	7.392	1222760	8.675	680248	10.428
LOWER LIMIT	79929	6.392	305691	7.675	170062	9.428
EPA SAMPLE NO.						
01 WB-301-BOT	156242	6.89	612656	8.17	337691	9.93
02 WB-301-BOTMS	145719	6.89	539980	8.18	259652	9.93
03 WB-301-BOTMSD	137496	6.89	502859	8.18	242617	9.93

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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	597021	11.416	306092	14.057	358871	15.533
UPPER LIMIT	1194040	11.916	612184	14.557	717742	16.033
LOWER LIMIT	298511	10.916	153046	13.557	179436	15.033
EPA SAMPLE NO.						
01 WB-301-BOT	580027	11.41	346002	14.05	384483	15.53
02 WB-301-BOTMS	394534	11.42	319585	14.06	328571	15.53
03 WB-301-BOTMSD	363131	11.42	305569	14.06	311545	15.53

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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	160242	6.892	587754	8.18	322730	9.93
UPPER LIMIT	320484	7.392	1175510	8.675	645460	10.428
LOWER LIMIT	80121	6.392	293877	7.675	161365	9.428
EPA SAMPLE NO.						
01 PB164315BL	148560	6.89	574491	8.17	327603	9.93
02 PB164315BS	143702	6.89	566601	8.18	302186	9.93

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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	552693	11.416	268892	14.057	303963	15.533
UPPER LIMIT	1105390	11.916	537784	14.557	607926	16.033
LOWER LIMIT	276347	10.916	134446	13.557	151982	15.033
EPA SAMPLE NO.						
01 PB164315BL	592376	11.41	363554	14.05	290384	15.53
02 PB164315BS	535948	11.42	260625	14.05	282742	15.53

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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	162461	6.892	593909	8.18	325446	9.93
UPPER LIMIT	324922	7.392	1187820	8.675	650892	10.428
LOWER LIMIT	81230.5	6.392	296955	7.675	162723	9.428
EPA SAMPLE NO.						
01 PB164261TB	152409	6.89	588451	8.17	328828	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	551060	11.416	264546	14.051	308388	15.533
UPPER LIMIT	1102120	11.916	529092	14.551	616776	16.033
LOWER LIMIT	275530	10.916	132273	13.551	154194	15.033
EPA SAMPLE NO.						
01 PB164261TB	603559	11.41	330965	14.05	294008	15.53

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:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139967.D	1	10/22/24 10:30	10/23/24 16:32	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.6		30 (49) - 130 (133)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.9		30 (52) - 130 (132)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	91.2		30 (48) - 130 (125)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	6.892			
1146-65-2	Naphthalene-d8	613000	8.169			
15067-26-2	Acenaphthene-d10	338000	9.927			
1517-22-2	Phenanthrene-d10	580000	11.41			
1719-03-5	Chrysene-d12	346000	14.051			
1520-96-3	Perylene-d12	384000	15.527			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139967.D	1	10/22/24 10:30	10/23/24 16:32	PB164315

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\BF102324\
 Data File : BF139967.D
 Acq On : 23 Oct 2024 16:32
 Operator : RC/JU
 Sample : P4397-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOT

Quant Time: Oct 23 17:06:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

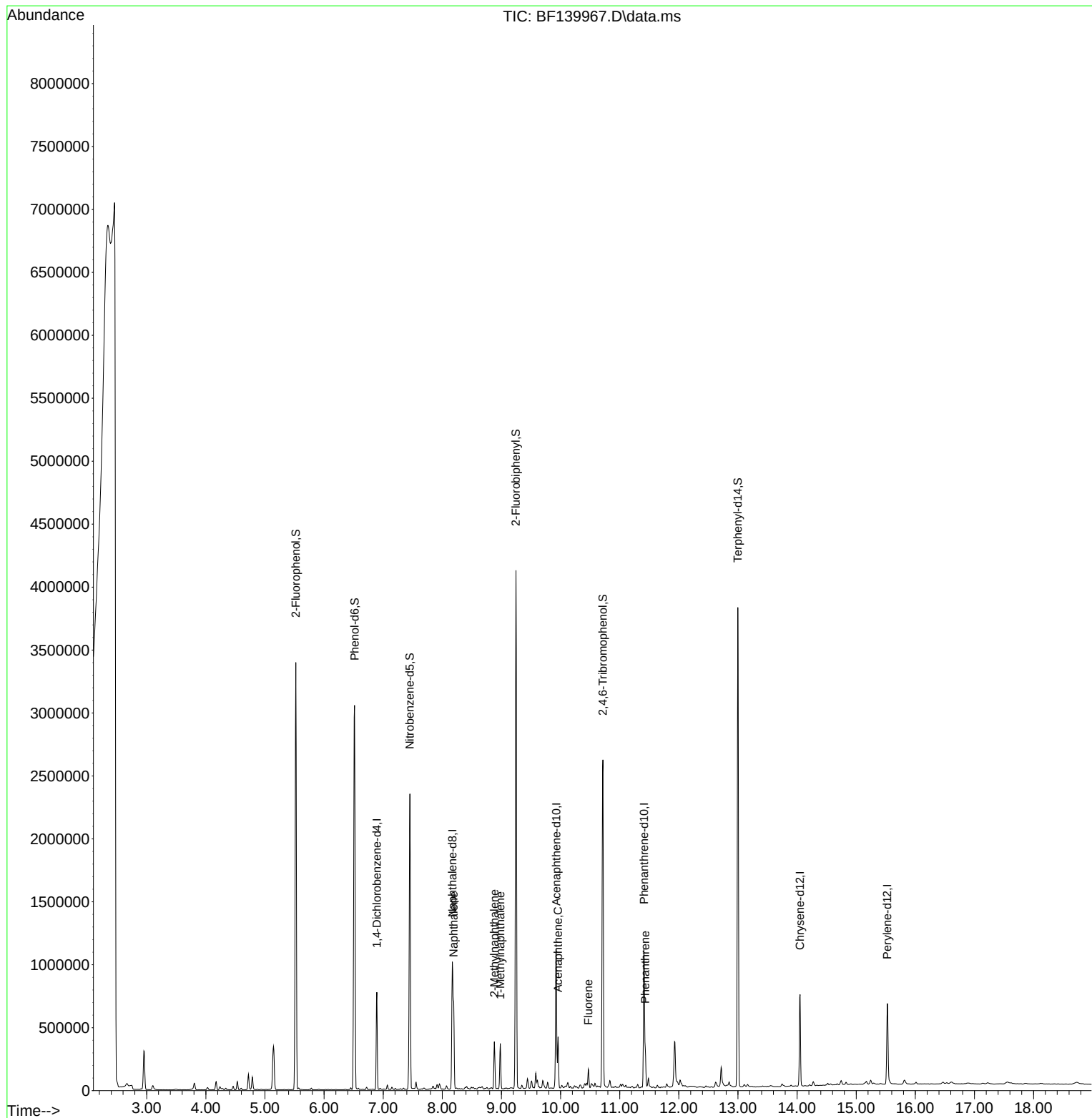
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	156242	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	612656	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	337691	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	580027	20.000	ng	0.00
76) Chrysene-d12	14.051	240	346002	20.000	ng	0.00
86) Perylene-d12	15.527	264	384483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1337902	134.053	ng	0.02
7) Phenol-d6	6.516	99	1641886	127.020	ng	0.00
23) Nitrobenzene-d5	7.451	82	1090077	98.613	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	497608	157.538	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1878698	91.946	ng	0.00
79) Terphenyl-d14	12.998	244	1936806	91.213	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.192	128	410089	12.979	ng	100
37) 2-Methylnaphthalene	8.880	142	134304	6.940	ng	99
38) 1-Methylnaphthalene	8.980	142	128615	6.774	ng	98
52) Acenaphthene	9.957	154	118814	6.710	ng	99
58) Fluorene	10.469	166	66381	3.430	ng	98
71) Phenanthrene	11.433	178	148040	5.403	ng	98

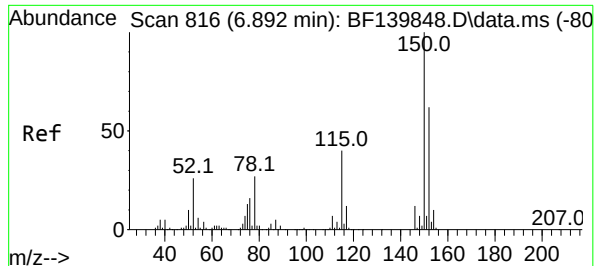
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139967.D
Acq On : 23 Oct 2024 16:32
Operator : RC/JU
Sample : P4397-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Quant Time: Oct 23 17:06:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

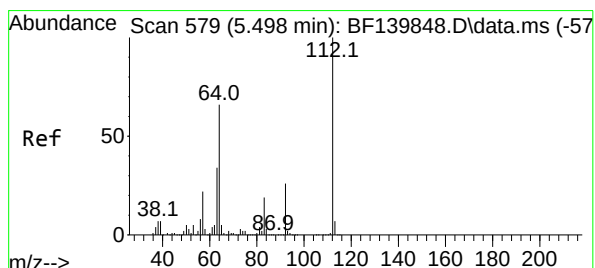
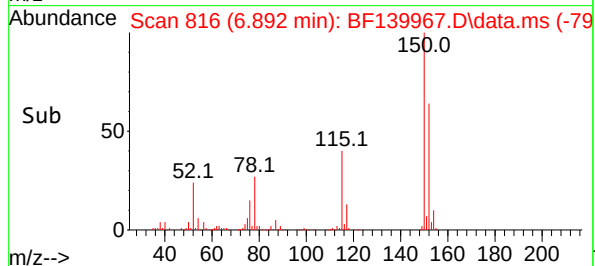
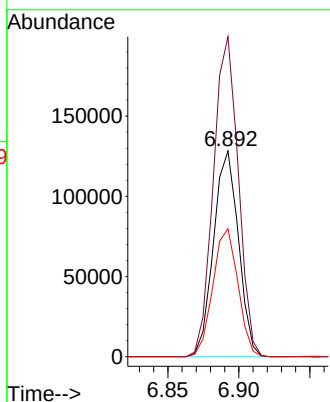
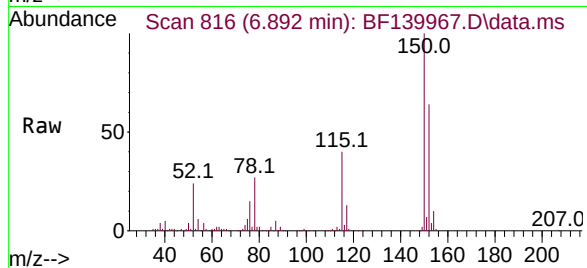




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

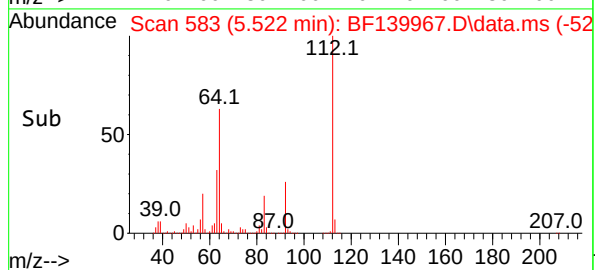
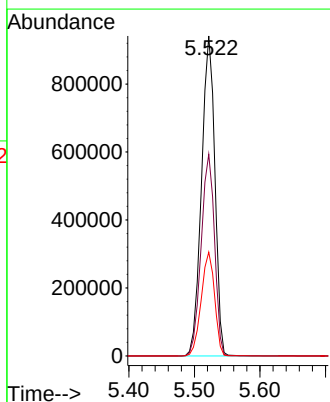
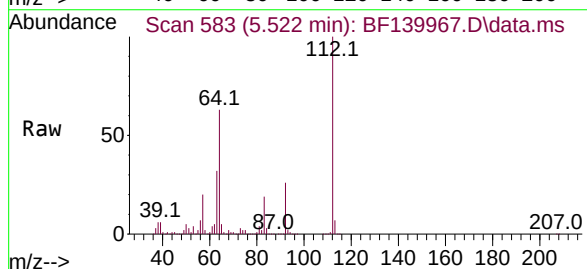
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

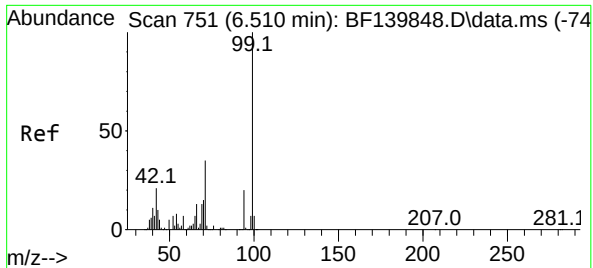
Tgt Ion:152 Resp: 156242
Ion Ratio Lower Upper
152 100
150 155.6 130.2 195.2
115 62.2 51.4 77.2



#5
2-Fluorophenol
Concen: 134.053 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.024 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:112 Resp: 1337902
Ion Ratio Lower Upper
112 100
64 63.1 53.0 79.6
63 32.5 27.0 40.4

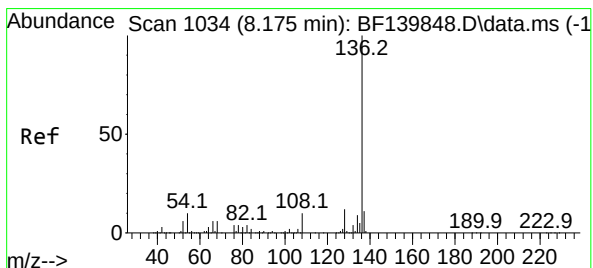
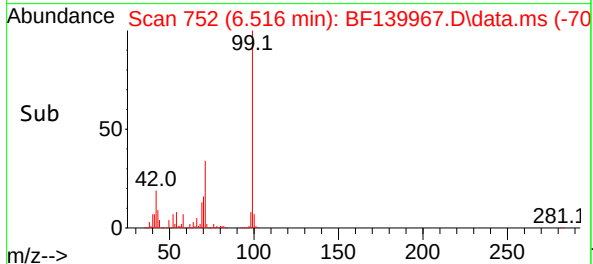
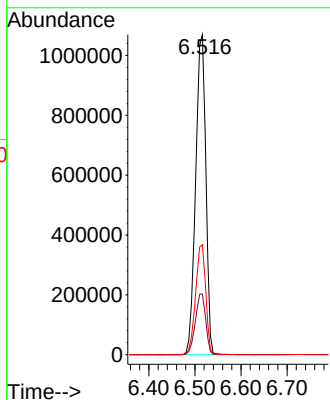
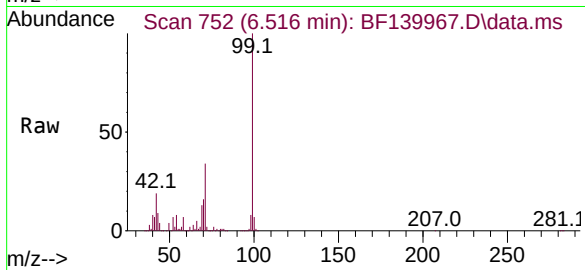




#7
Phenol-d6
Concen: 127.020 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

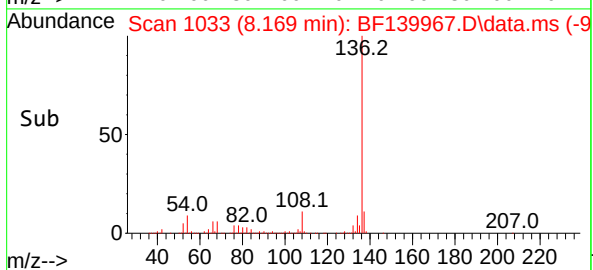
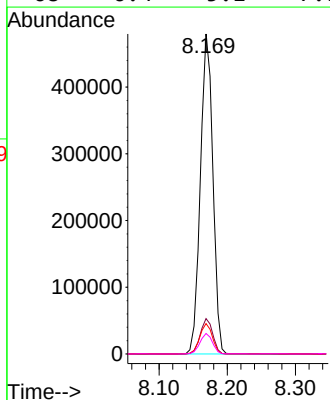
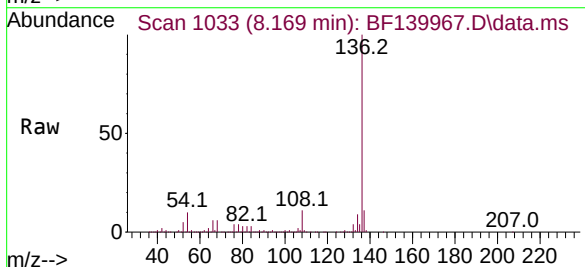
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

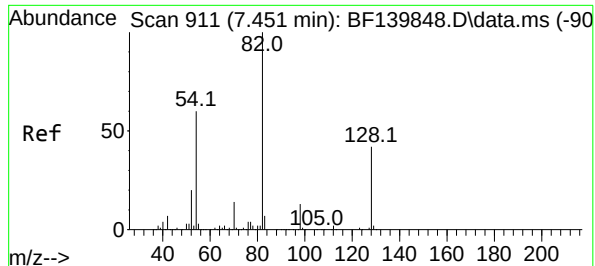
Tgt Ion: 99 Resp: 1641886
Ion Ratio Lower Upper
99 100
42 19.0 16.7 25.1
71 34.4 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion: 136 Resp: 612656
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.5 8.4 12.6
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 98.613 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

Instrument :

BNA_F

ClientSampleId :

WB-301-BOT

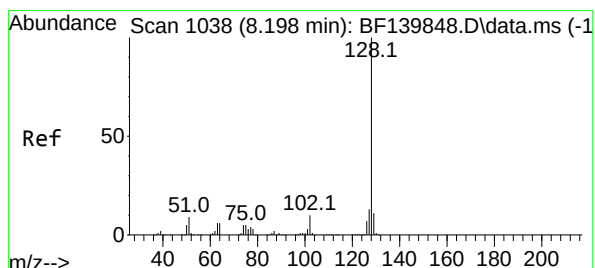
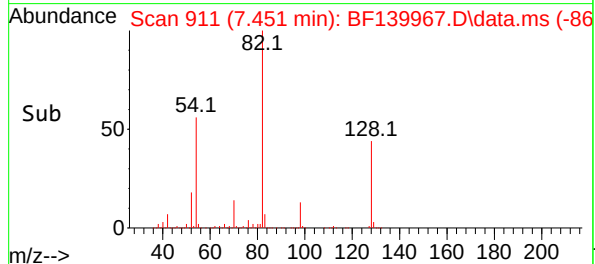
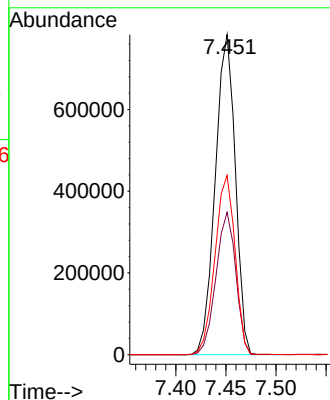
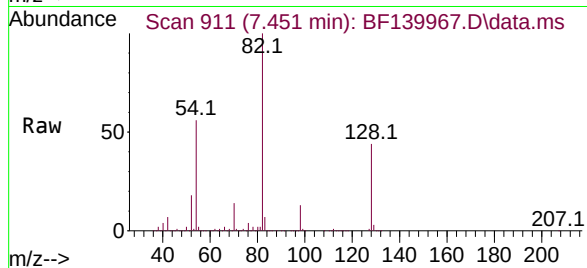
Tgt Ion: 82 Resp: 1090077

Ion Ratio Lower Upper

82 100

128 44.5 33.4 50.0

54 56.0 47.8 71.8



#31

Naphthalene

Concen: 12.979 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

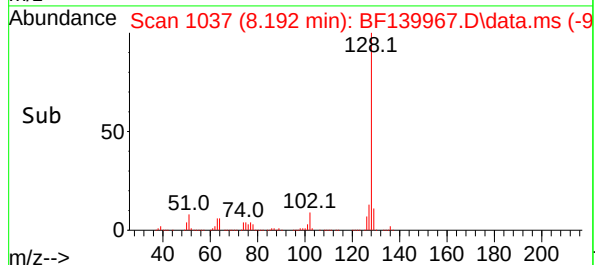
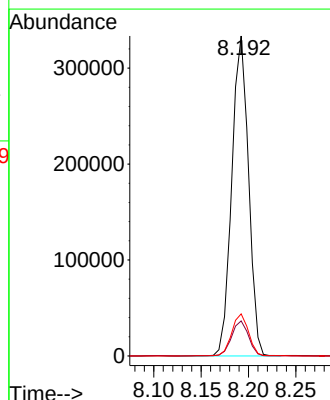
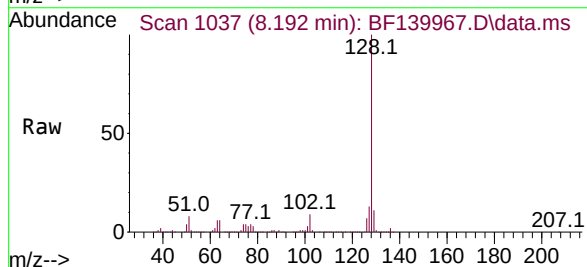
Tgt Ion: 128 Resp: 410089

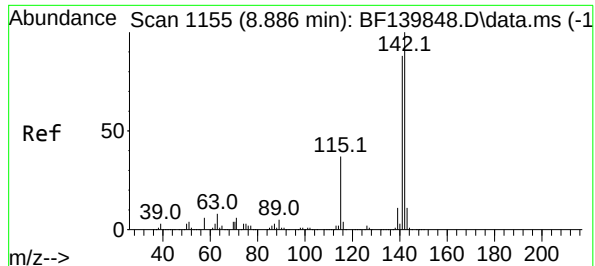
Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 6.940 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

Instrument :

BNA_F

ClientSampleId :

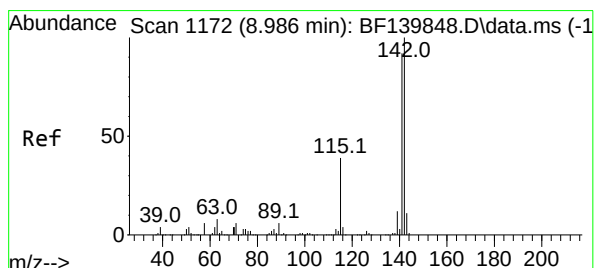
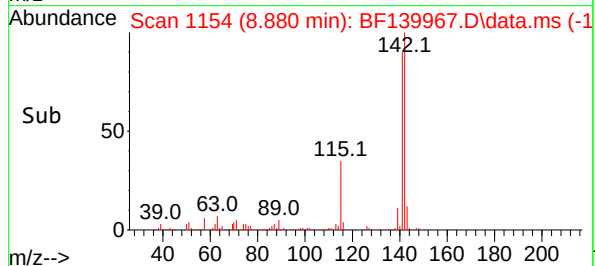
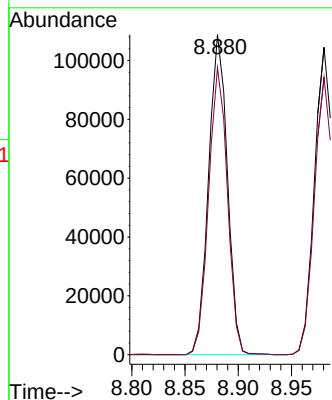
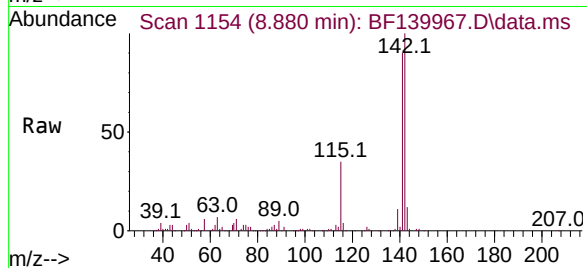
WB-301-BOT

Tgt Ion:142 Resp: 134304

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2



#38

1-Methylnaphthalene

Concen: 6.774 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139967.D

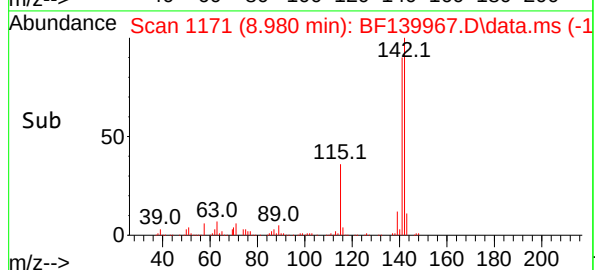
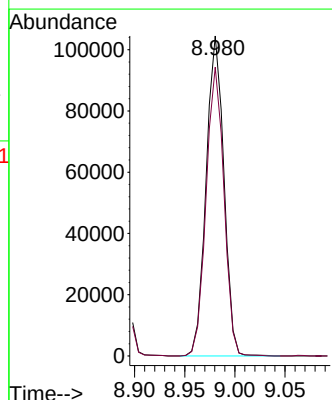
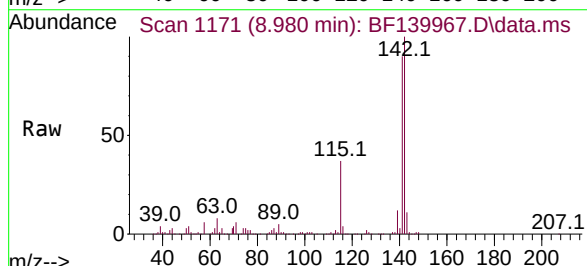
Acq: 23 Oct 2024 16:32

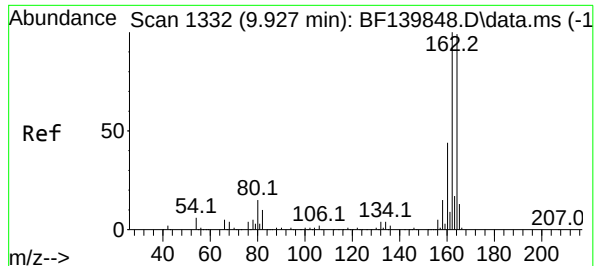
Tgt Ion:142 Resp: 128615

Ion Ratio Lower Upper

142 100

141 90.3 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

Instrument :

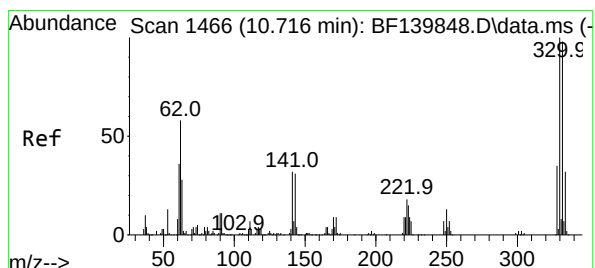
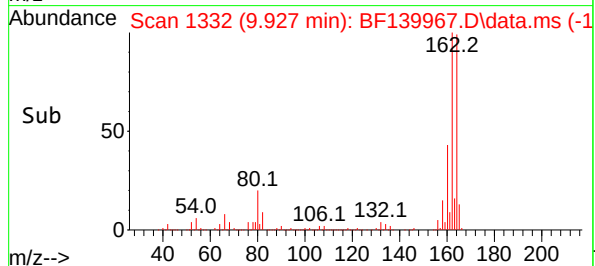
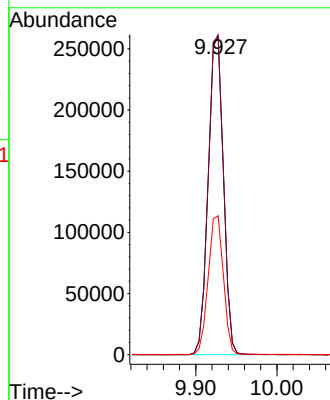
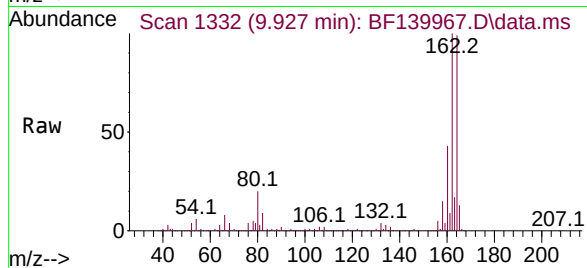
BNA_F

ClientSampleId :

WB-301-BOT

Tgt Ion:164 Resp: 337691

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.0	121.4
160	43.7	35.4	53.0



#42

2,4,6-Tribromophenol

Concen: 157.538 ng

RT: 10.716 min Scan# 1466

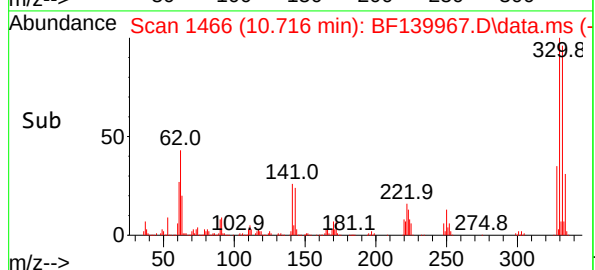
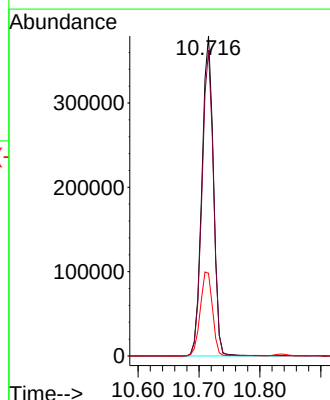
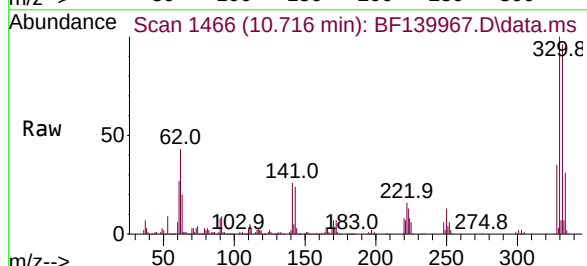
Delta R.T. 0.000 min

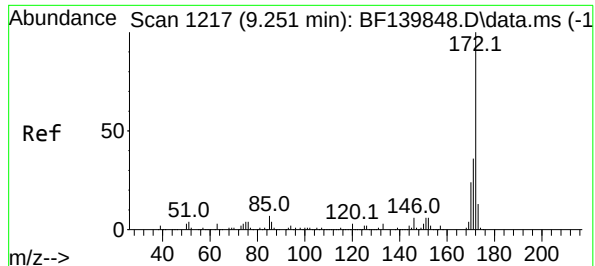
Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

Tgt Ion:330 Resp: 497608

Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.1	117.1
141	27.9	26.6	39.8





#45

2-Fluorobiphenyl

Concen: 91.946 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

Instrument :

BNA_F

ClientSampleId :

WB-301-BOT

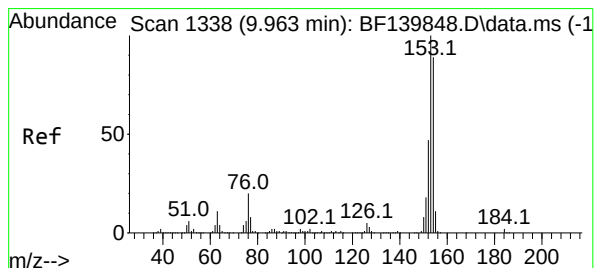
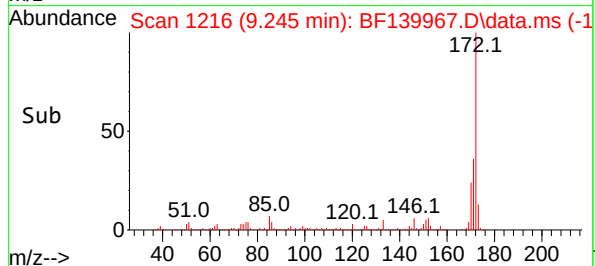
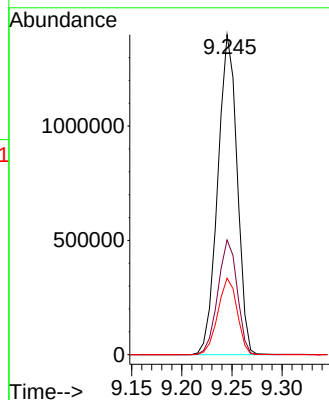
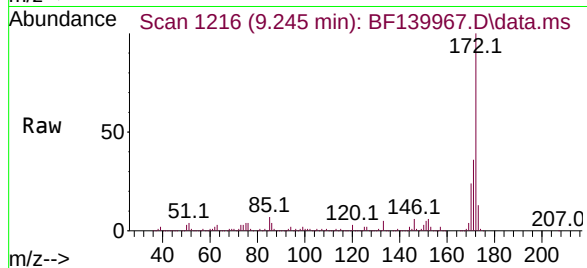
Tgt Ion:172 Resp: 1878698

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.9 19.1 28.7



#52

Acenaphthene

Concen: 6.710 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

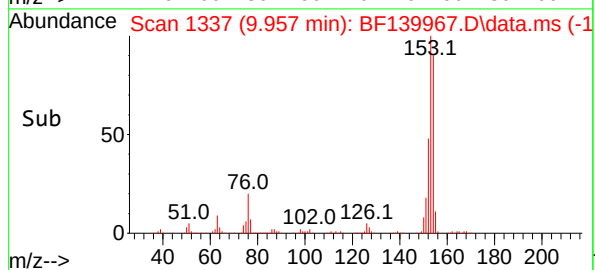
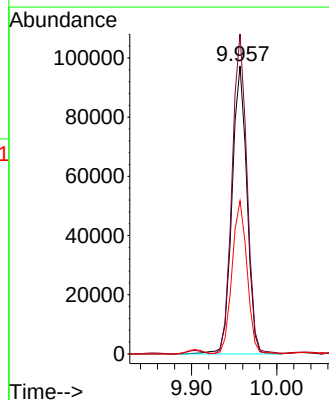
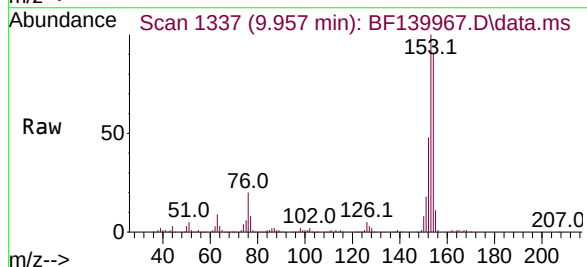
Tgt Ion:154 Resp: 118814

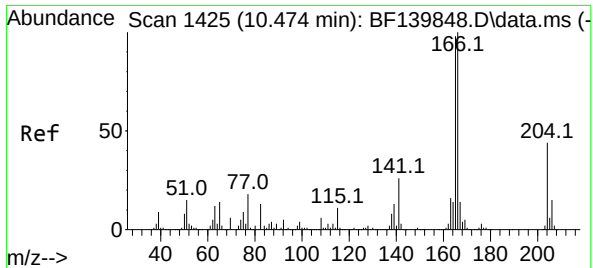
Ion Ratio Lower Upper

154 100

153 111.1 89.8 134.6

152 53.2 42.4 63.6

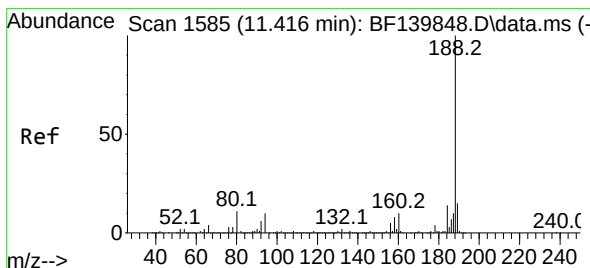
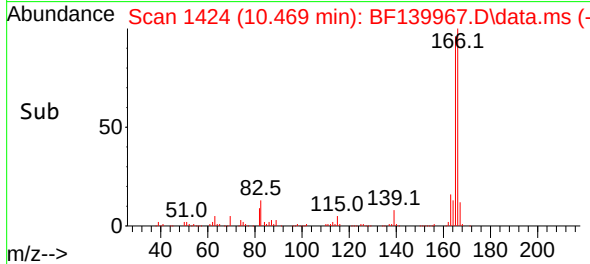
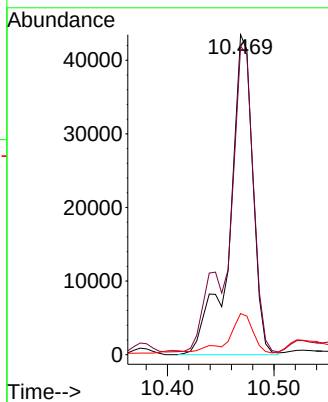
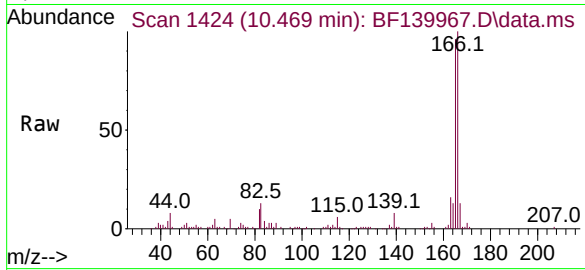




#58
Fluorene
Concen: 3.430 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

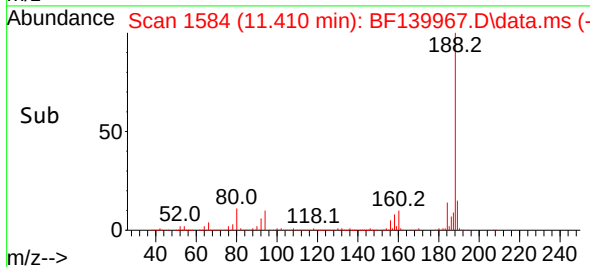
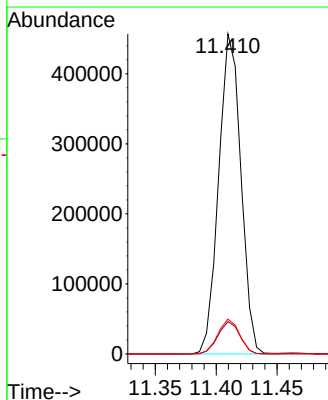
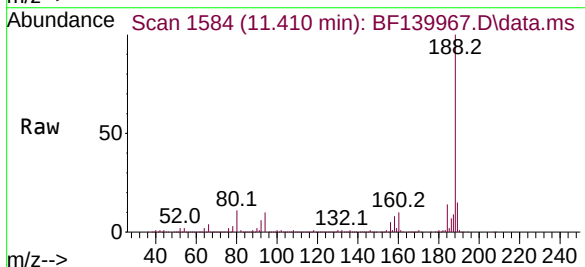
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

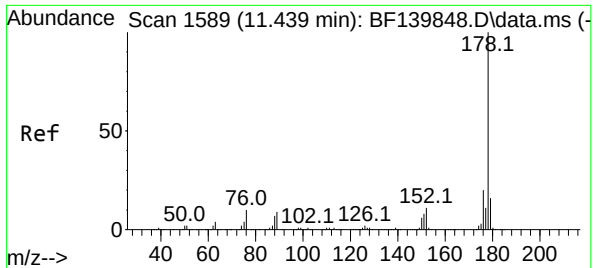
Tgt Ion:166 Resp: 66381
Ion Ratio Lower Upper
166 100
165 96.4 78.5 117.7
167 12.8 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:188 Resp: 580027
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 10.9 9.0 13.4

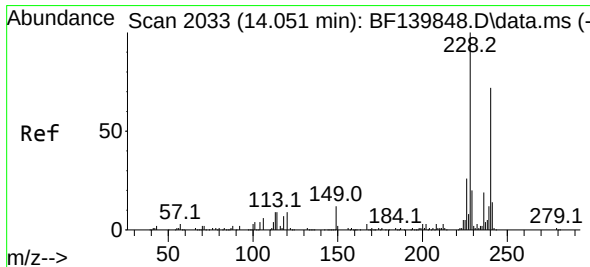
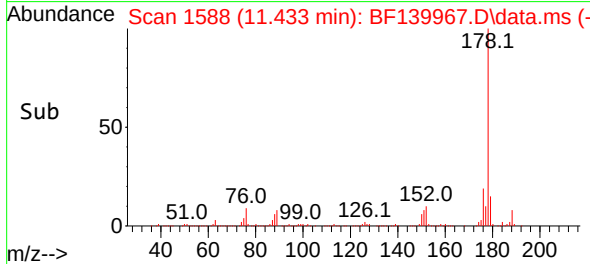
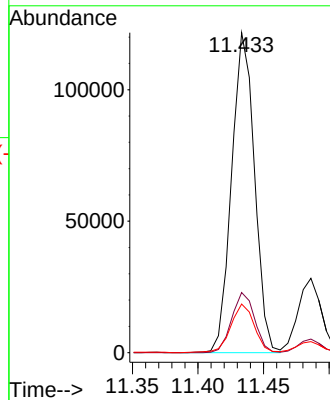
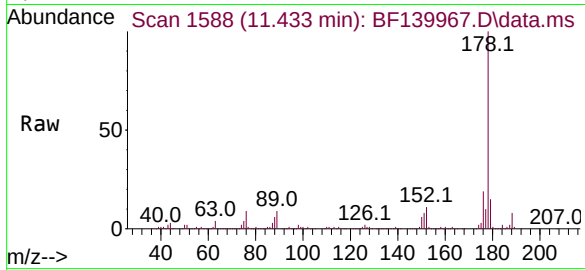




#71
Phenanthrene
Concen: 5.403 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

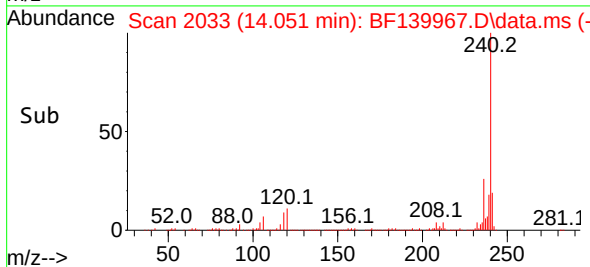
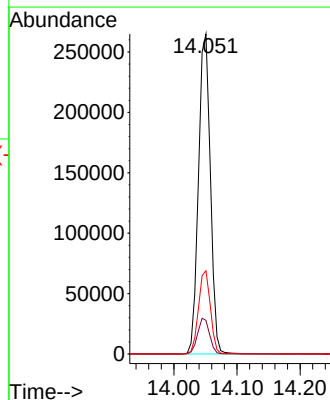
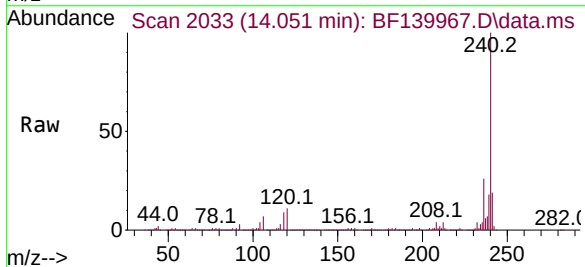
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

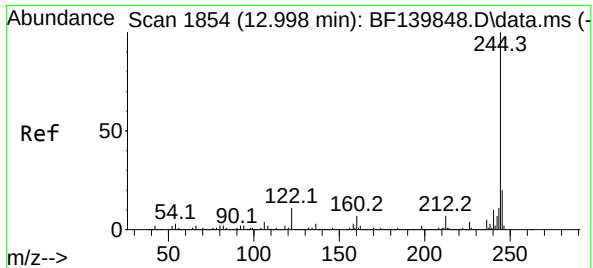
Tgt Ion:178 Resp: 148040
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.2 12.6 18.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:240 Resp: 346002
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 91.213 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

Instrument :

BNA_F

ClientSampleId :

WB-301-BOT

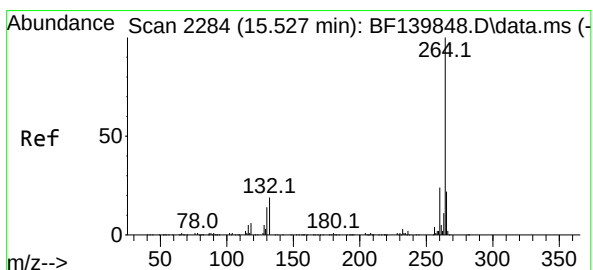
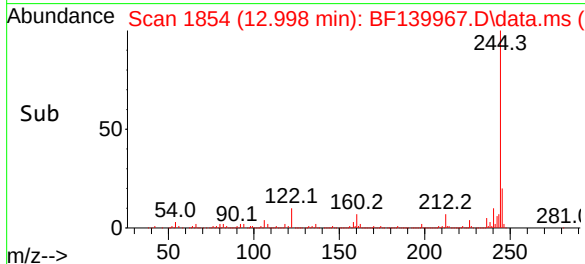
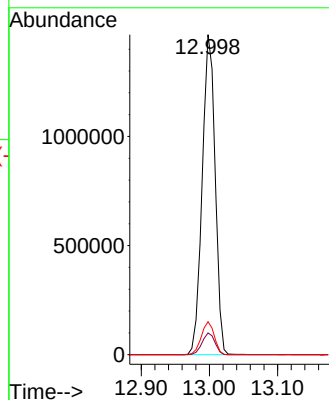
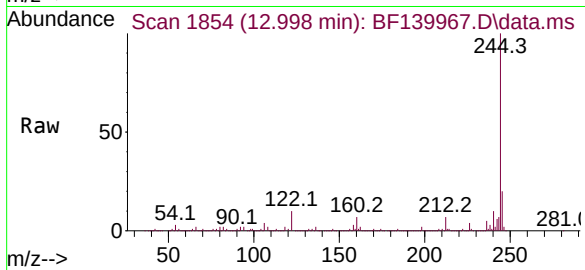
Tgt Ion:244 Resp: 1936806

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.3 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139967.D

Acq: 23 Oct 2024 16:32

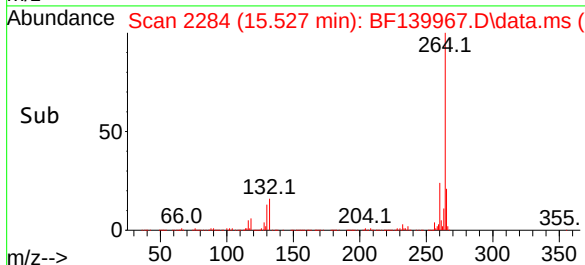
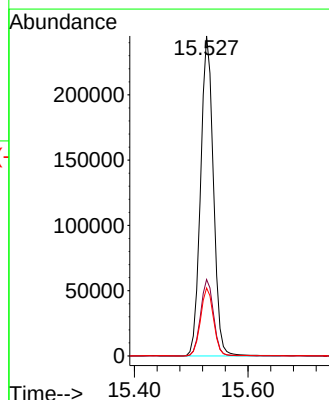
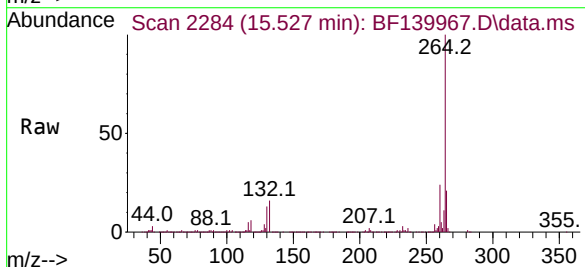
Tgt Ion:264 Resp: 384483

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.3 17.4 26.0



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PB164301TB	SDG No.:	P4397
Lab Sample ID:	PB164301TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139995.D	1	10/22/24 10:30	10/24/24 12:17	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	129		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.4		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	93.5		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.886			
1146-65-2	Naphthalene-d8	595000	8.169			
15067-26-2	Acenaphthene-d10	334000	9.927			
1517-22-2	Phenanthrene-d10	606000	11.41			
1719-03-5	Chrysene-d12	377000	14.051			
1520-96-3	Perylene-d12	307000	15.527			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PB164301TB	SDG No.:	P4397
Lab Sample ID:	PB164301TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139995.D	1	10/22/24 10:30	10/24/24 12:17	PB164315

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\BF102424\
Data File : BF139995.D
Acq On : 24 Oct 2024 12:17
Operator : RC/JU
Sample : PB164301TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Quant Time: Oct 24 13:01:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	150783	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	595039	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	333938	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	606007	20.000	ng	0.00
76) Chrysene-d12	14.051	240	376899	20.000	ng	0.00
86) Perylene-d12	15.527	264	307486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1294401	134.390	ng	0.02
7) Phenol-d6	6.510	99	1614427	129.417	ng	0.00
23) Nitrobenzene-d5	7.445	82	1056450	98.401	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	504219	161.425	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1915478	94.799	ng	0.00
79) Terphenyl-d14	12.998	244	2161585	93.454	ng	0.00

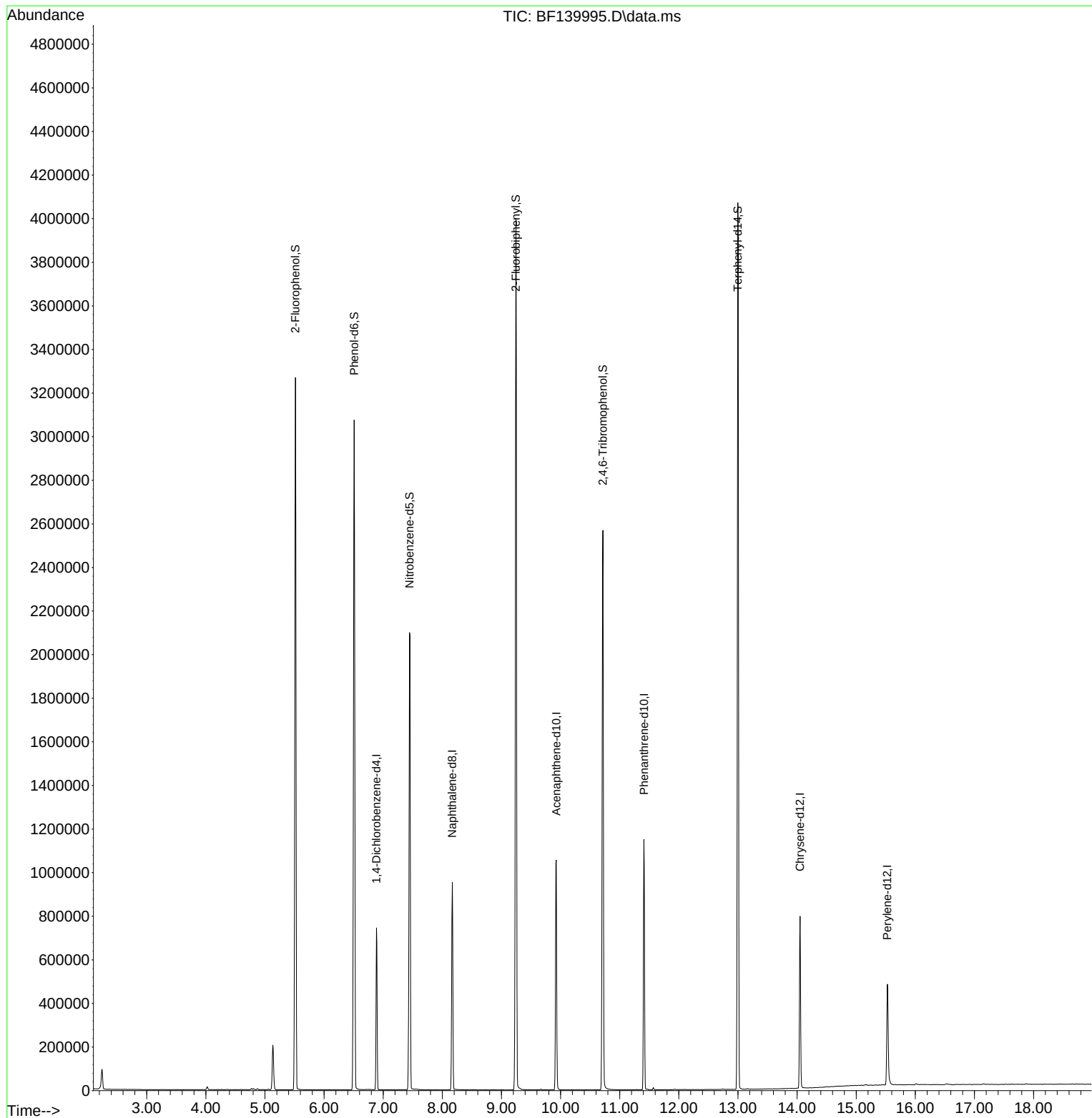
Target Compounds	Qvalue

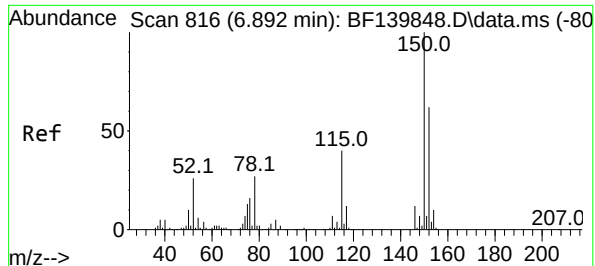
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139995.D
Acq On : 24 Oct 2024 12:17
Operator : RC/JU
Sample : PB164301TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Quant Time: Oct 24 13:01:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

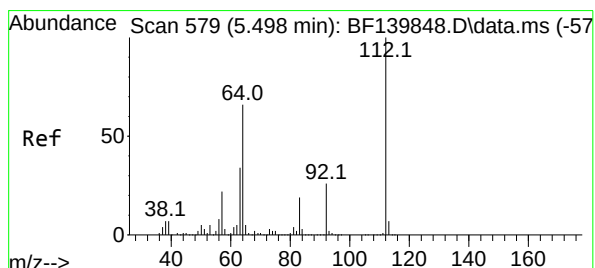
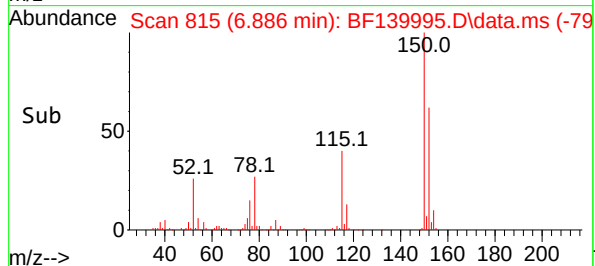
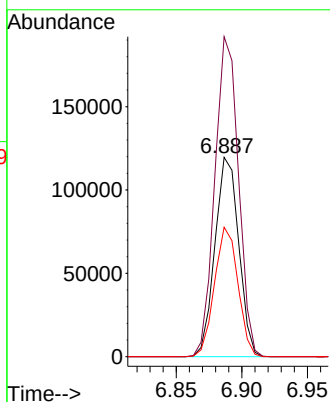
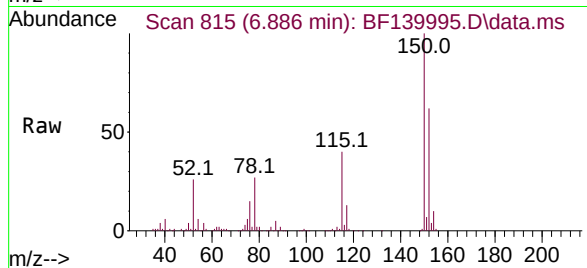




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

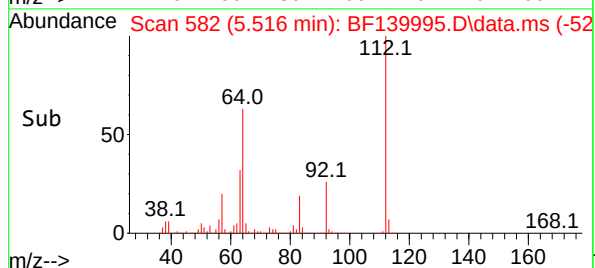
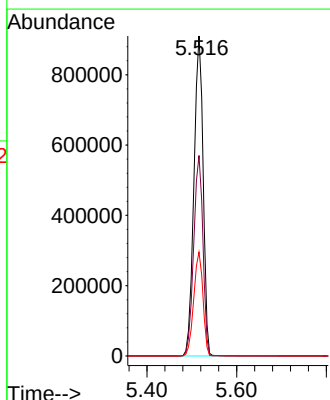
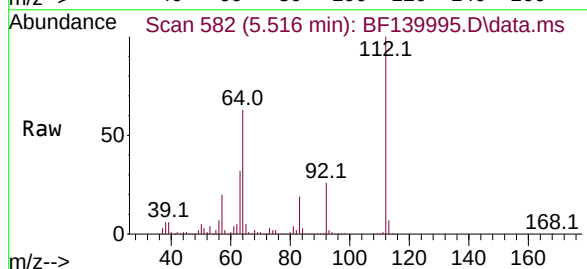
Instrument :
BNA_F
ClientSampleId :
PB164301TB

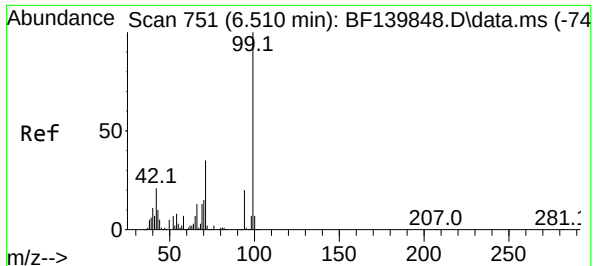
Tgt Ion:152 Resp: 150783
Ion Ratio Lower Upper
152 100
150 160.5 130.2 195.2
115 64.9 51.4 77.2



#5
2-Fluorophenol
Concen: 134.390 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

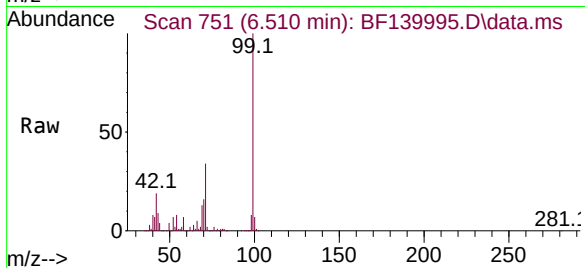
Tgt Ion:112 Resp: 1294401
Ion Ratio Lower Upper
112 100
64 62.7 53.0 79.6
63 32.5 27.0 40.4





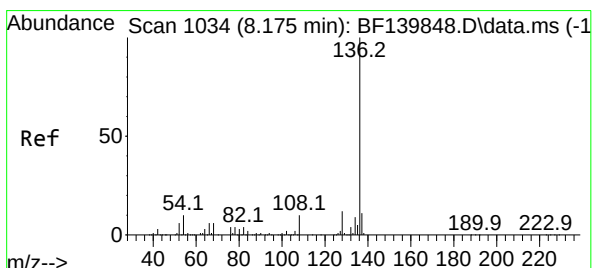
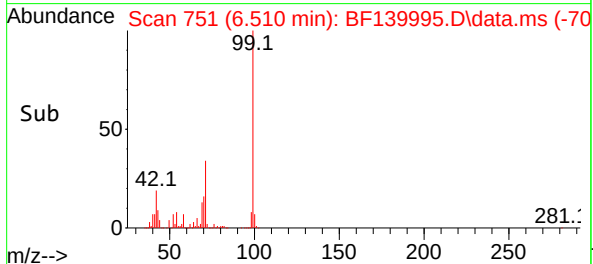
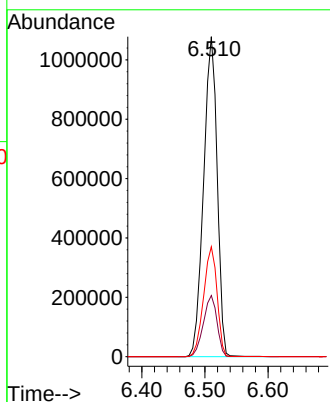
#7
Phenol-d6
Concen: 129.417 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB



Tgt Ion: 99 Resp: 1614427

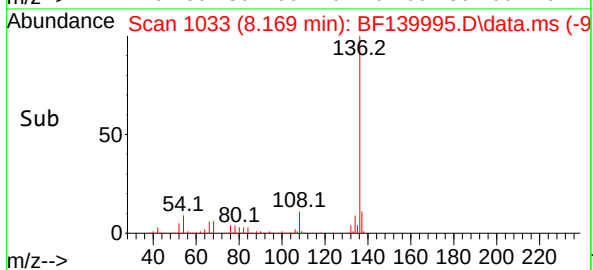
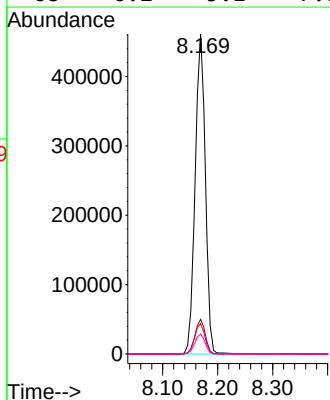
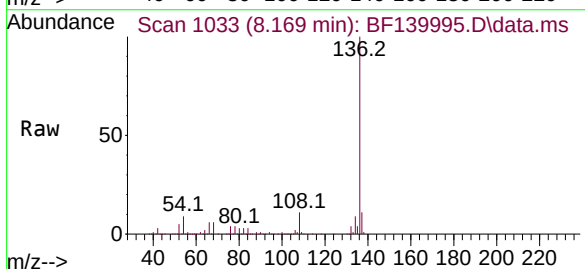
Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.7	25.1
71	34.4	27.7	41.5

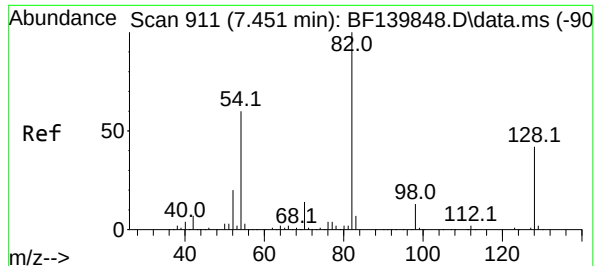


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion: 136 Resp: 595039

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.5	8.4	12.6
68	6.2	5.1	7.7





#23

Nitrobenzene-d5

Concen: 98.401 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139995.D

Acq: 24 Oct 2024 12:17

Instrument :

BNA_F

ClientSampleId :

PB164301TB

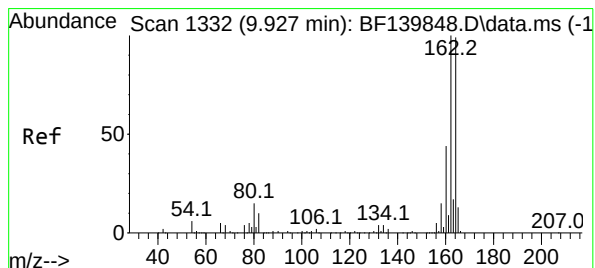
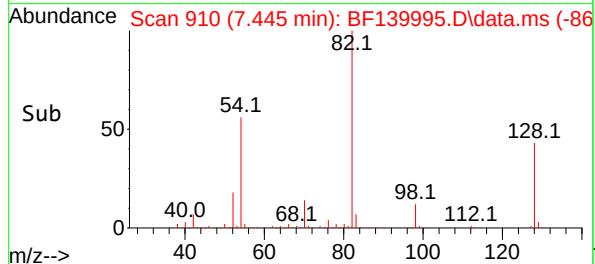
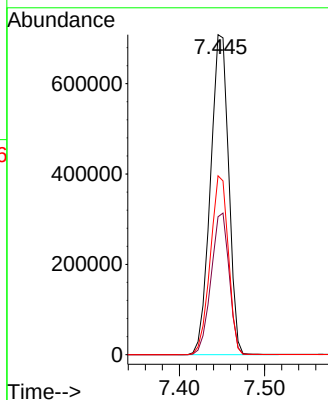
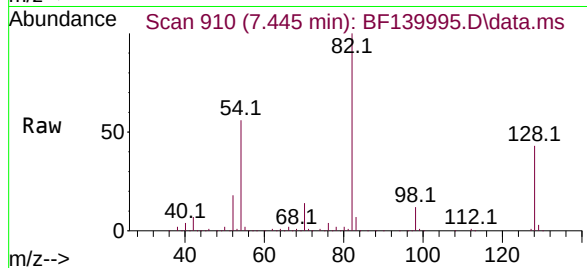
Tgt Ion: 82 Resp: 1056450

Ion Ratio Lower Upper

82 100

128 43.1 33.4 50.0

54 55.9 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF139995.D

Acq: 24 Oct 2024 12:17

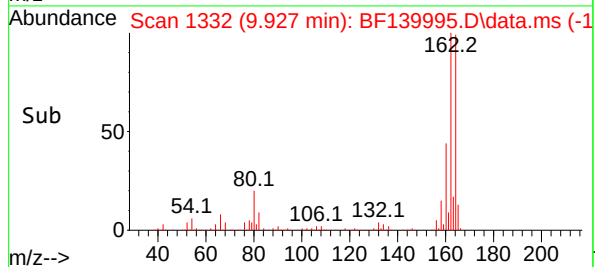
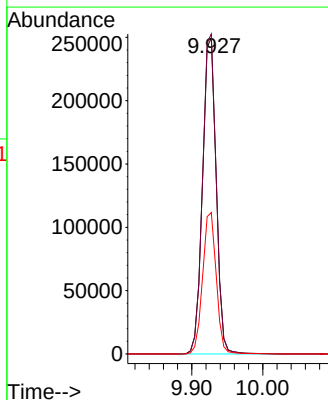
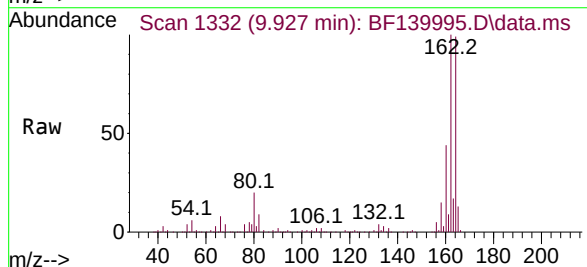
Tgt Ion:164 Resp: 333938

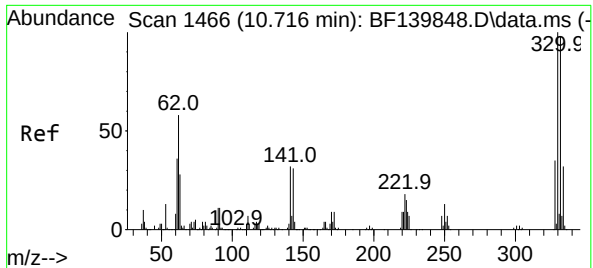
Ion Ratio Lower Upper

164 100

162 101.3 81.0 121.4

160 44.8 35.4 53.0

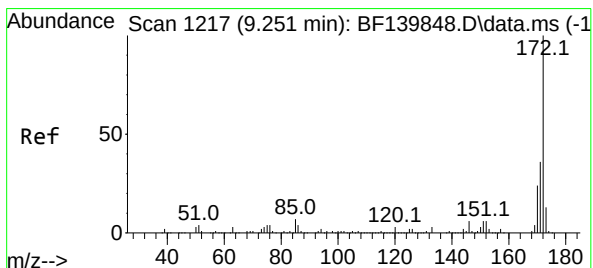
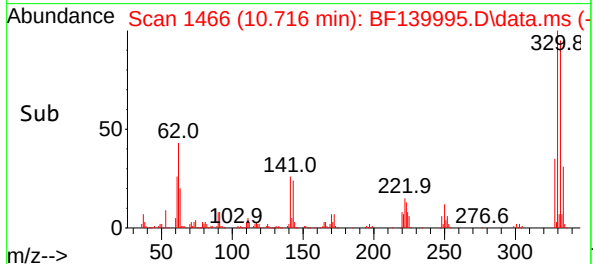
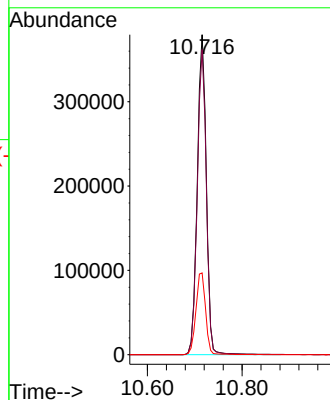
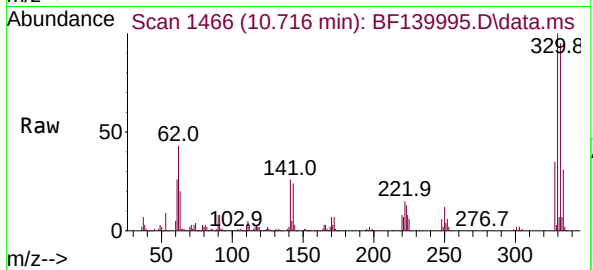




#42
2,4,6-Tribromophenol
Concen: 161.425 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

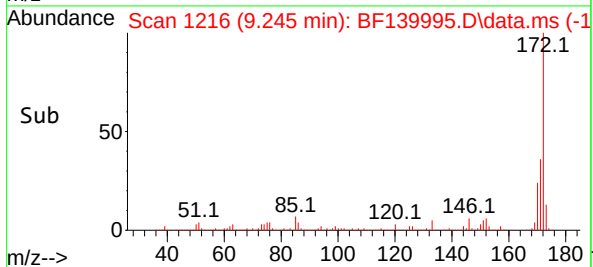
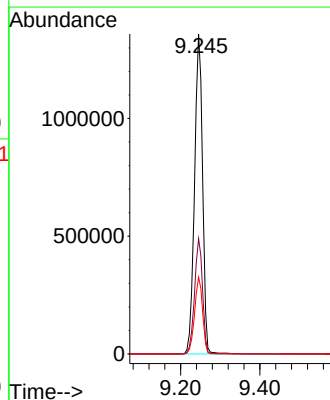
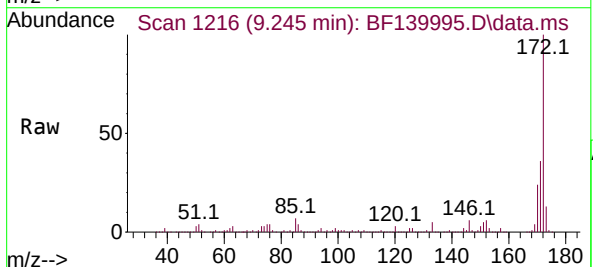
Instrument :
BNA_F
ClientSampleId :
PB164301TB

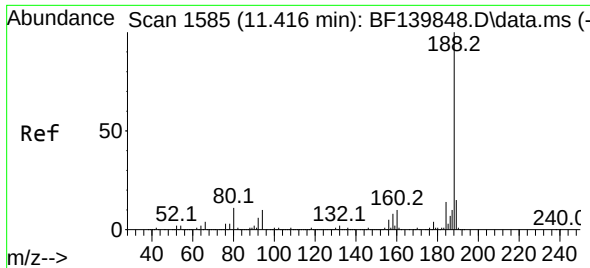
Tgt Ion:330 Resp: 504219
Ion Ratio Lower Upper
330 100
332 95.6 78.1 117.1
141 27.3 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 94.799 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:172 Resp: 1915478
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 24.0 19.1 28.7

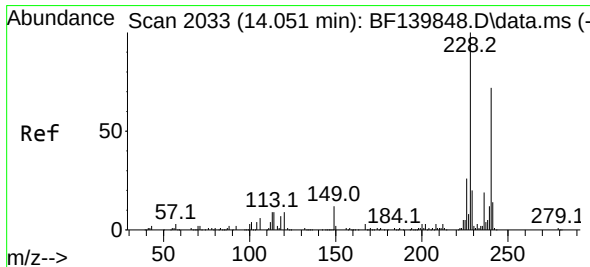
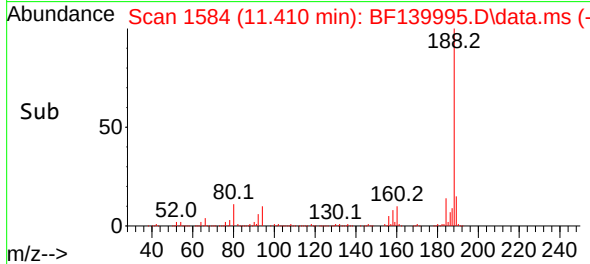
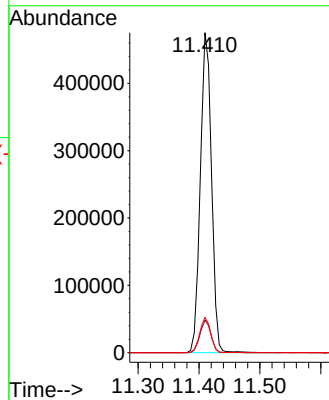
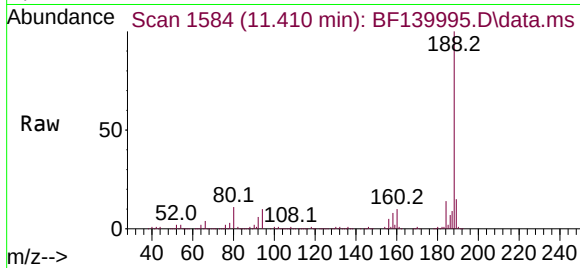




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

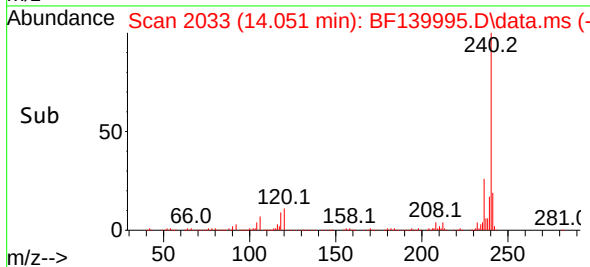
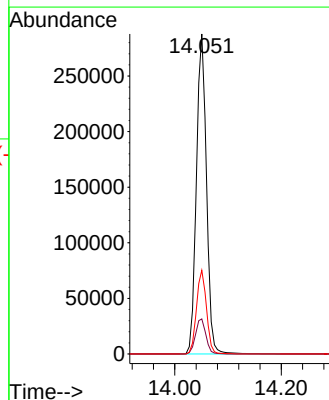
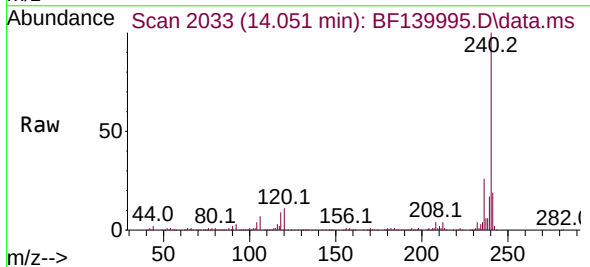
Instrument :
BNA_F
ClientSampleId :
PB164301TB

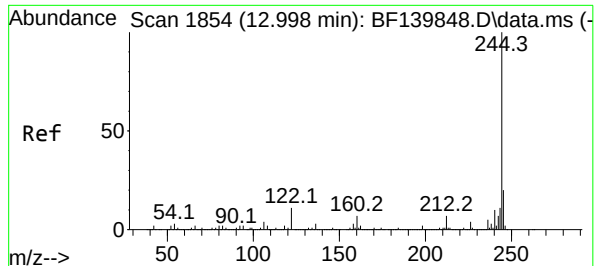
Tgt Ion:188 Resp: 606007
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.0 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:240 Resp: 376899
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 93.454 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139995.D

Acq: 24 Oct 2024 12:17

Instrument :

BNA_F

ClientSampleId :

PB164301TB

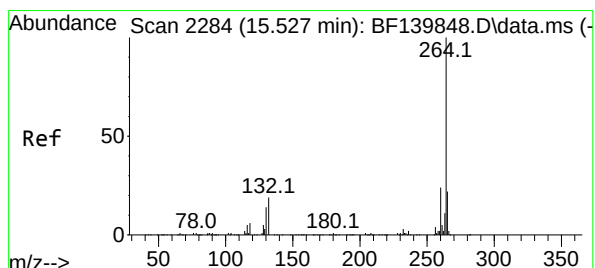
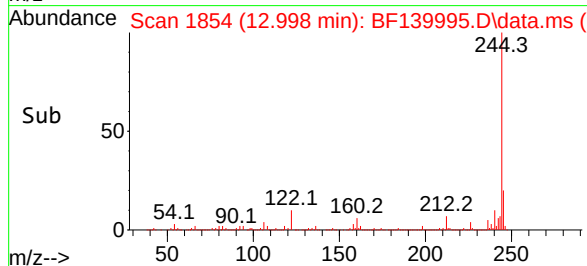
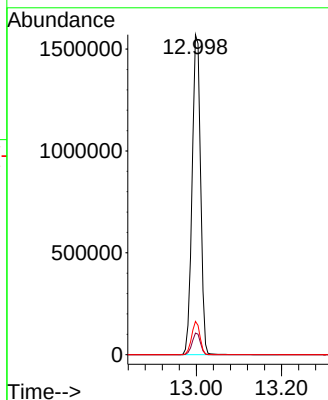
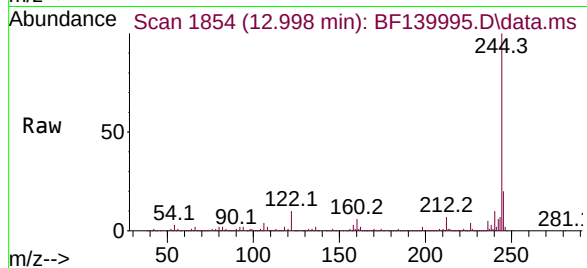
Tgt Ion:244 Resp: 2161585

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 10.4 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139995.D

Acq: 24 Oct 2024 12:17

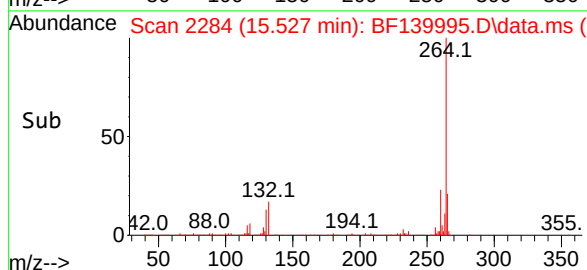
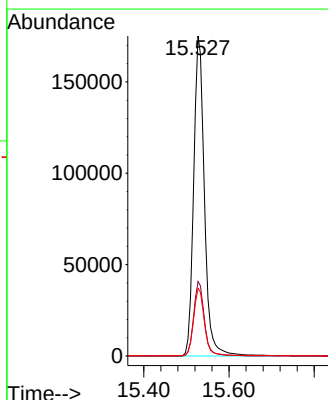
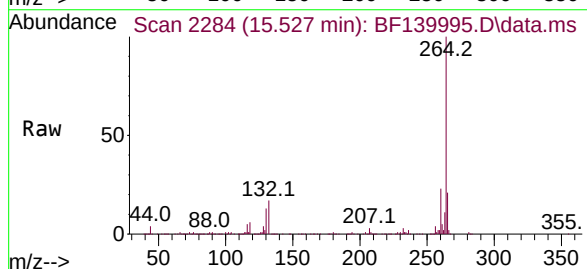
Tgt Ion:264 Resp: 307486

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 21.2 17.4 26.0





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: PORT06
 Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397
 Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024
 Calibration Time(s): 10:27 13:46

LAB FILE ID:		RRF2.5 = BF139844.D		RRF005 = BF139845.D		RRF010 = BF139846.D		
		RRF020 = BF139847.D		RRF040 = BF139848.D		RRF050 = BF139849.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.622	1.570	1.522	1.504	1.386	1.476	7.3
2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.278	10.1
Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.655	10.1
1,4-Dichlorobenzene		1.723	1.641	1.558	1.487	1.392	1.498	10.2
2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.114	7.7
3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.424	12.4
Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.361	2.9
Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.534	7.1
Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.396	4.1
Hexachlorobutadiene		0.224	0.206	0.203	0.197	0.185	0.197	8.0
2,4,6-Trichlorophenol		0.405	0.382	0.400	0.387	0.363	0.382	4.8
2-Fluorobiphenyl		1.512	1.396	1.280	1.162	1.088	1.210	16.0
2,4,5-Trichlorophenol		0.426	0.425	0.398	0.401	0.381	0.394	6.6
2,4-Dinitrotoluene		0.280	0.314	0.337	0.356	0.344	0.332	7.9
2,4,6-Tribromophenol		0.201	0.196	0.193	0.188	0.179	0.187	5.5
Hexachlorobenzene		0.258	0.245	0.237	0.231	0.217	0.232	7.2
Pentachlorophenol		0.118	0.137	0.148	0.152	0.145	0.141	8.0
Terphenyl-d14		1.381	1.335	1.340	1.244	1.154	1.227	11.0

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-BF101824.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 18 15:07:50 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF139851.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74	
3)	Pyridine	1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26	
4)	n-Nitrosodimet...	0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39	
5) S	2-Fluorophenol	1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10	
6)	Aniline	1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05	
7) S	Phenol-d6	1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06	
8)	2-Chlorophenol	1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24	
9)	Benzaldehyde		1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22	
10) C	Phenol	1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19	
11)	bis(2-Chloroet...	1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82	
12)	1,3-Dichlorobe...	1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19	
13) C	1,4-Dichlorobe...	1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19	
14)	1,2-Dichlorobe...	1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15	
15)	Benzyl Alcohol	1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07	
16)	2,2'-oxybis(1-...	2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69	
17)	2-Methylphenol	1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69	
18)	Hexachloroethane	0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06	
19) P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)	3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43	
23) S	Nitrobenzene-d5	0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92	
24)	Nitrobenzene	0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10	
25)	Isophorone	0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90	
26) C	2-Nitrophenol	0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22	
27)	2,4-Dimethylph...	0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07	
28)	bis(2-Chloroet...	0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22	
29) C	2,4-Dichloroph...	0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17	
30)	1,2,4-Trichlor...	0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68	
31)	Naphthalene	1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23	
32)	Benzoic acid		0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69	
33)	4-Chloroaniline	0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26	
34) C	Hexachlorobuta...	0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96	
35)	Caprolactam	0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85	
36) C	4-Chloro-3-met...	0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03	
37)	2-Methylnaphth...	0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11	
38)	1-Methylnaphth...	0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF101824.M

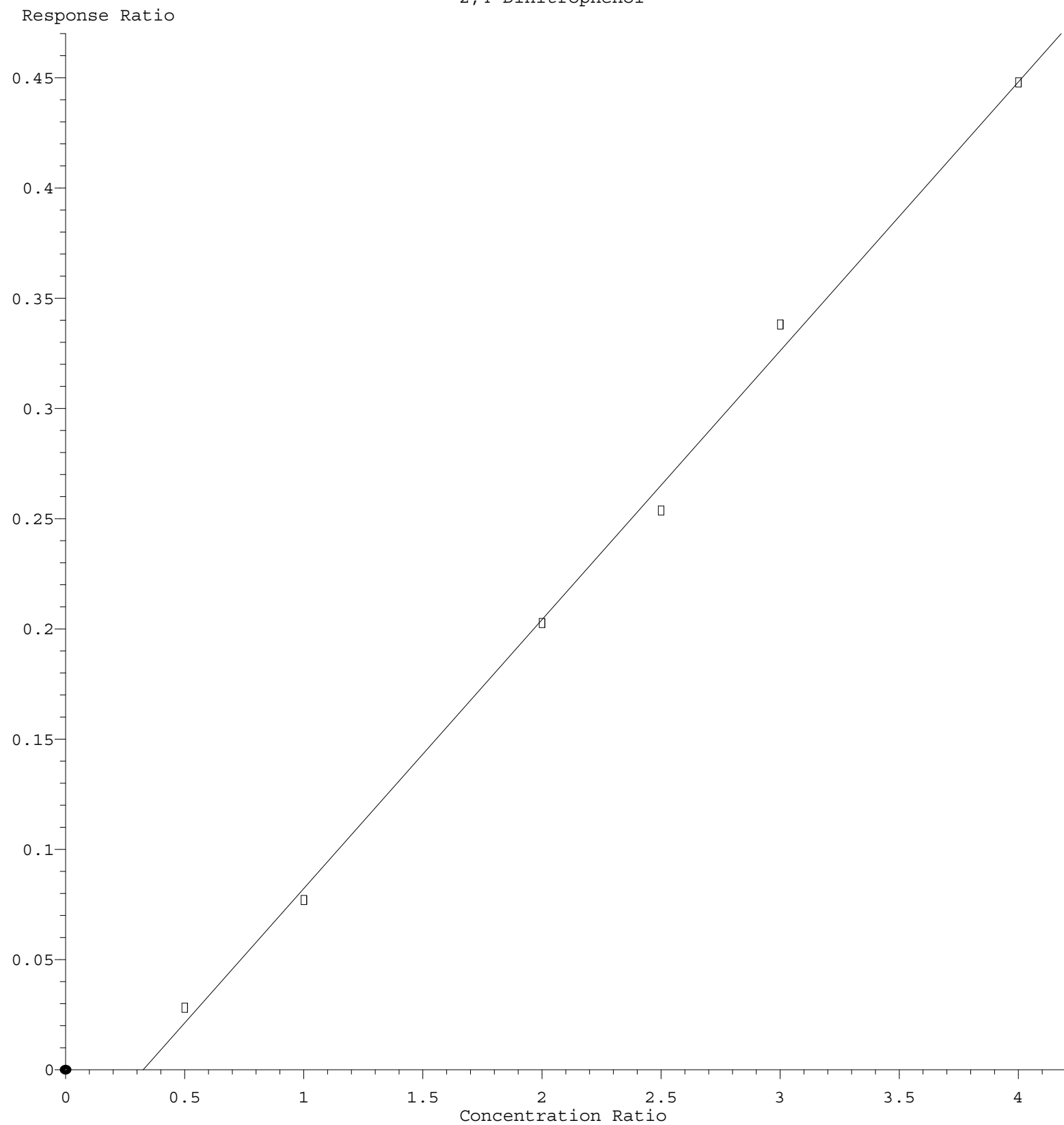
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72	
41) P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28	
42) S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47	
43) C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80	
44)	2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58	
45) S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05	
46)	1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18	
47)	2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95	
48)	2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20	
49)	Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06	
50)	Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60	
51)	2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41	
52) C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55	
53)	3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84	
54) P	2,4-Dinitrophenol	0.056	0.077	0.101	0.101	0.113	0.112	0.093		23.89	
55)	Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52	
56) P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84	
57)	2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94	
58)	Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68	
59)	2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33	
60)	Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99	
61)	4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14	
62)	4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65	
63)	Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.055	0.072	0.087	0.090	0.092	0.093	0.082		18.60	
66) c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14	
67)	4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98	
68)	Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20	
69)	Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36	
70) C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04	
71)	Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79	
72)	Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53	
73)	Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64	
74)	Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77	
75) C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86	
78)	Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43	
79) S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96	
80)	Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99	
81)	Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48	
82)	3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15	
83)	Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52	
84)	Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48	
85) c	Di-n-octyl pht...	0.786	0.930	1.135	1.182	1.207	1.186	1.071		16.14	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77	
88)	Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15	
89)	Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42	
90) C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12	
91)	Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31	
92)	Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37	

(#) = Out of Range

2,4-Dinitrophenol



Response = $1.220 \times 10^{-1} \times \text{Amt} - 3.983 \times 10^{-2}$
Coef of Det (r^2) = 0.997175 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101824.M
Calibration Table Last Updated: Fri Oct 18 15:07:50 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139844.D
Acq On : 18 Oct 2024 10:27
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

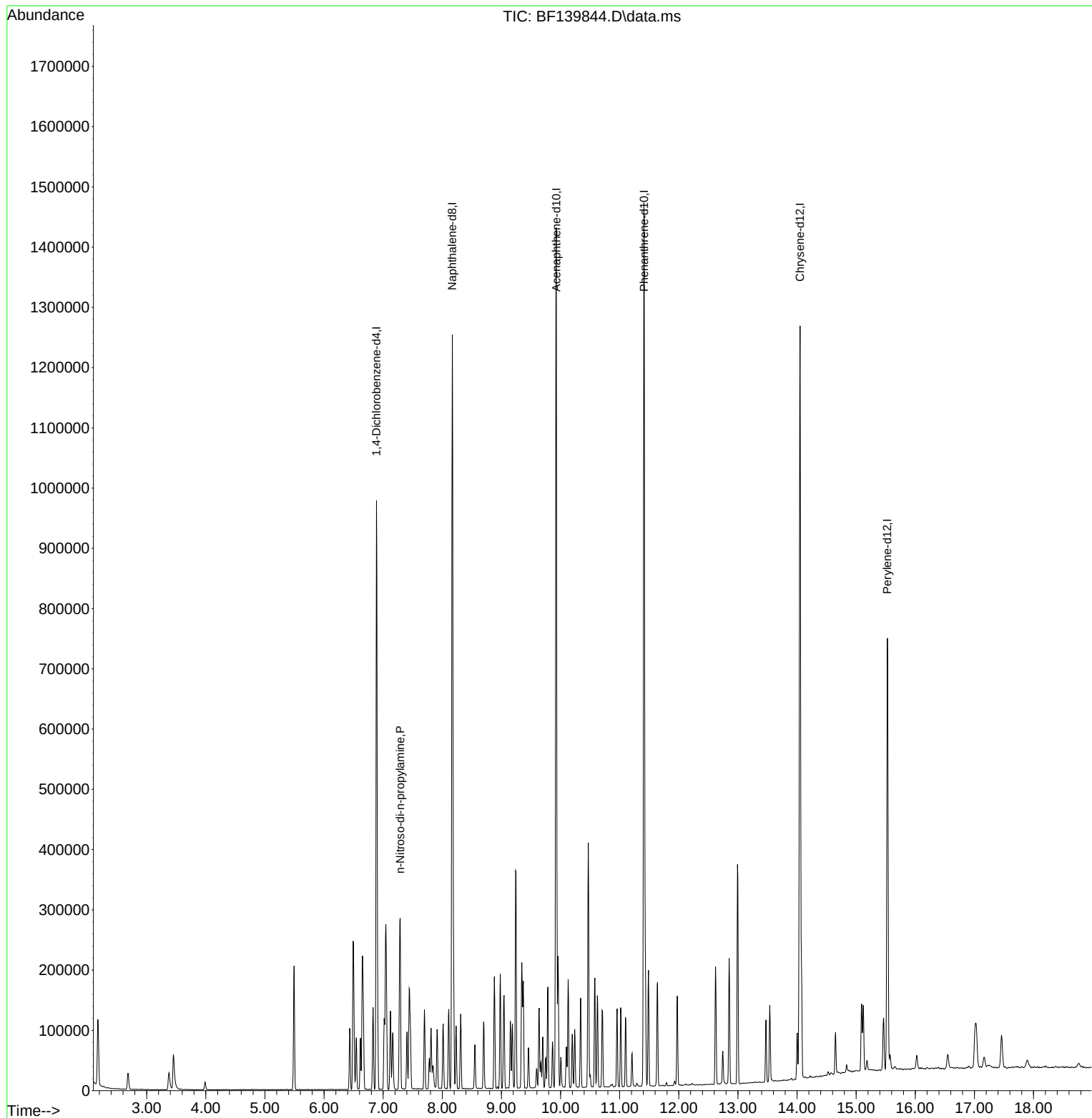
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	190003	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	748539	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	423999	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	760140	20.000	ng	0.00
76) Chrysene-d12	14.051	240	519381	20.000	ng	0.00
86) Perylene-d12	15.527	264	410408	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	26252	2.754	ng	94

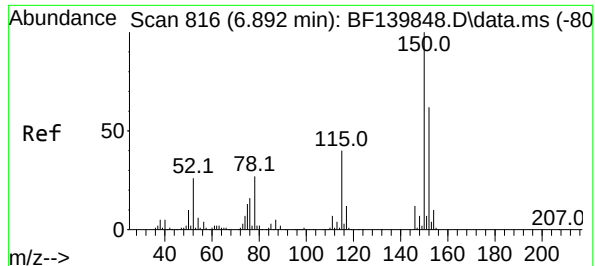
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139844.D
Acq On : 18 Oct 2024 10:27
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.887 min Scan# 81

Delta R.T. -0.005 min

Lab File: BF139844.D

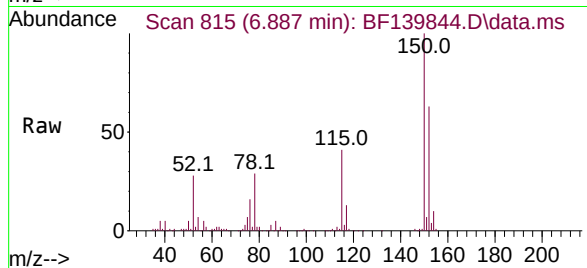
Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



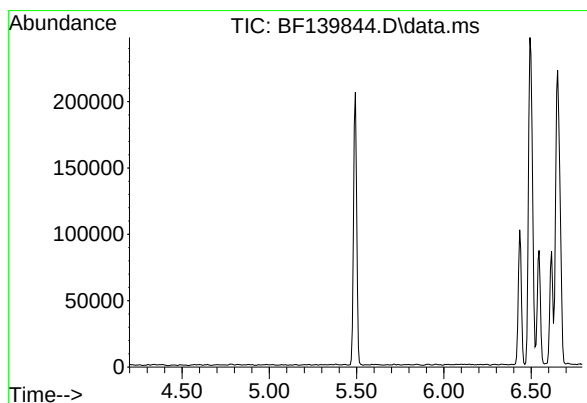
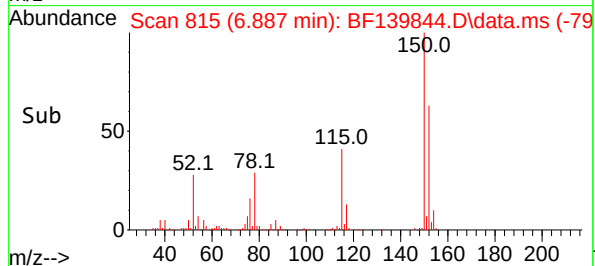
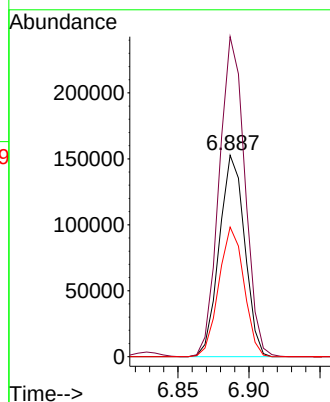
Tgt Ion:152 Resp: 190003

Ion Ratio Lower Upper

152 100

150 158.9 130.2 195.2

115 64.4 51.4 77.2



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.50 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

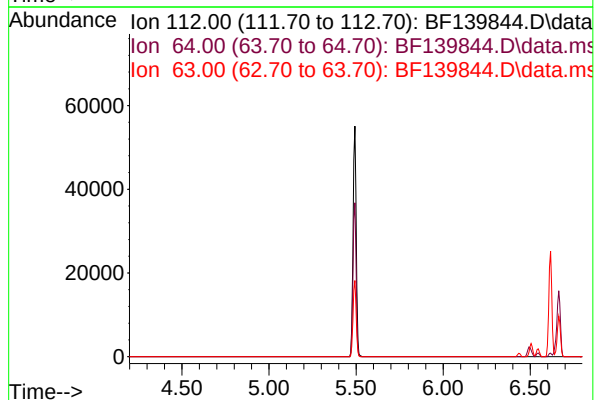
Tgt Ion: 112

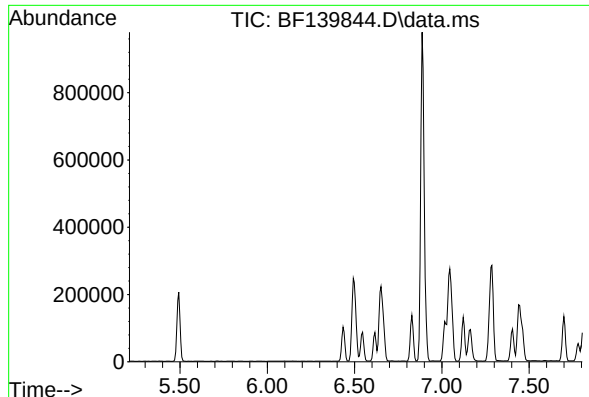
Sig Exp Ratio

112 100

64 66.3

63 33.7





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

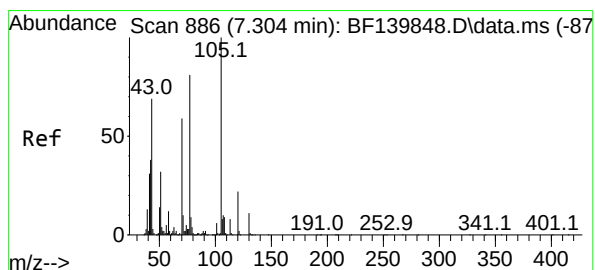
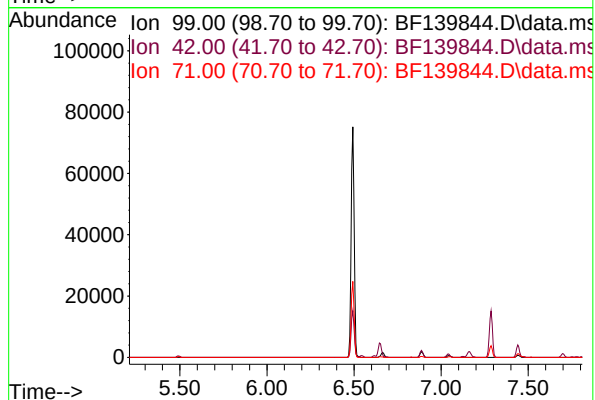
Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.9

71 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.754 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.017 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Tgt Ion: 70 Resp: 26252

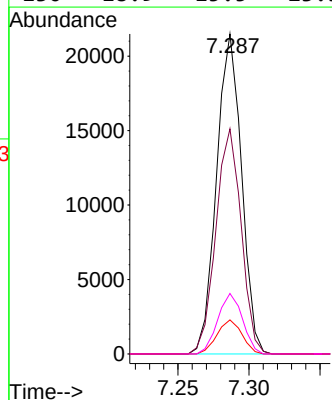
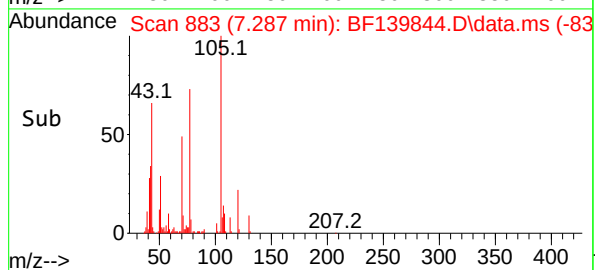
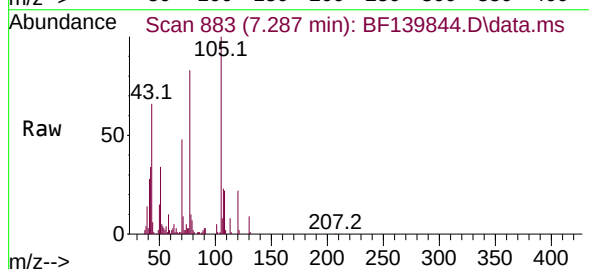
Ion Ratio Lower Upper

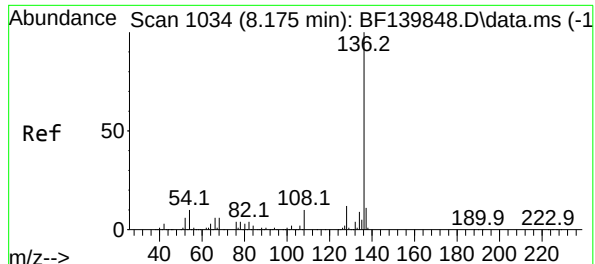
70 100

42 70.4 51.5 77.3

101 10.6 7.5 11.3

130 18.9 15.5 23.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 748539

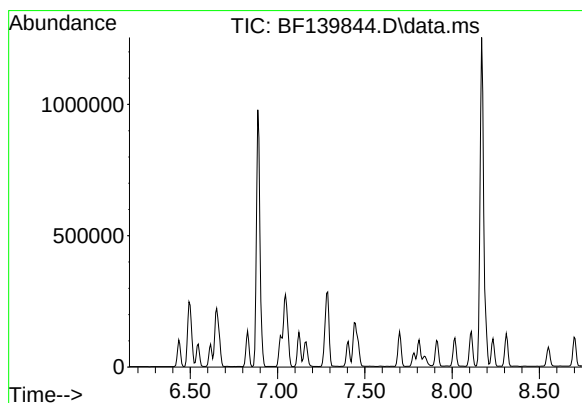
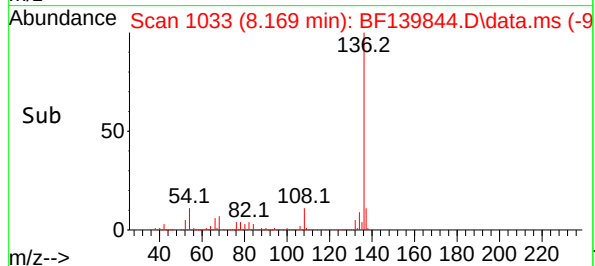
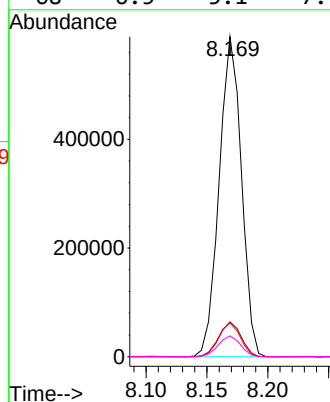
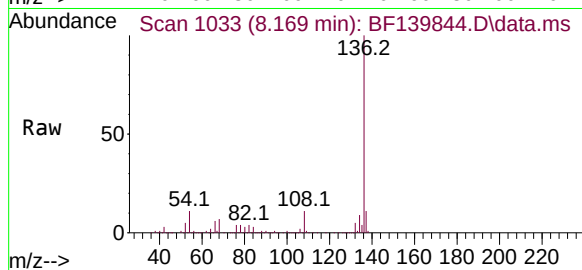
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.6 8.4 12.6

68 6.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

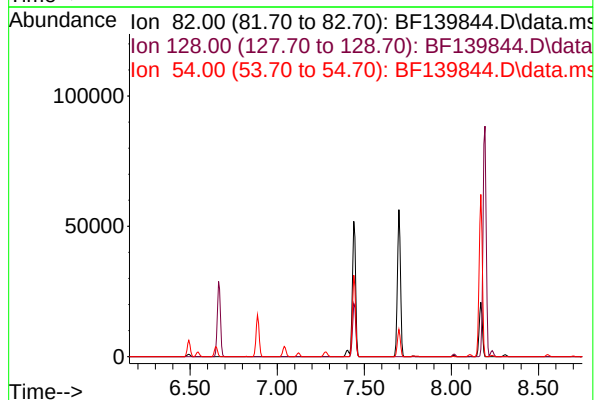
Tgt Ion: 82

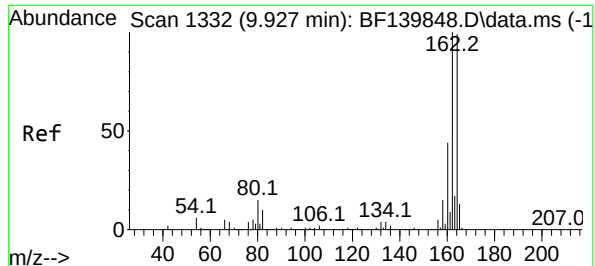
Sig Exp Ratio

82 100

128 41.7

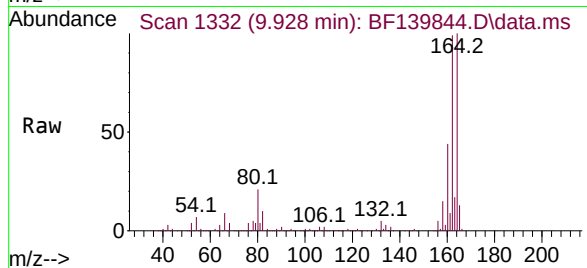
54 59.8



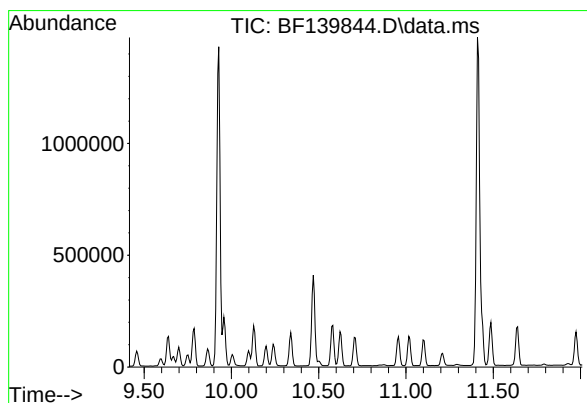
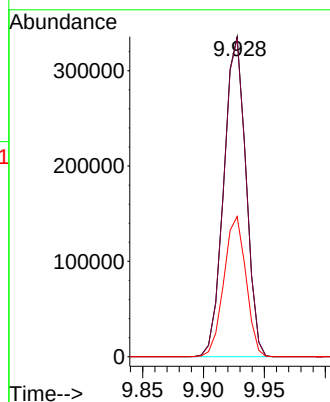
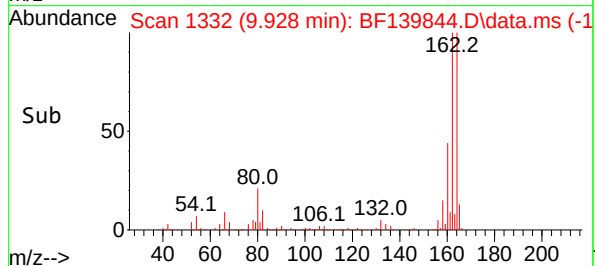


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



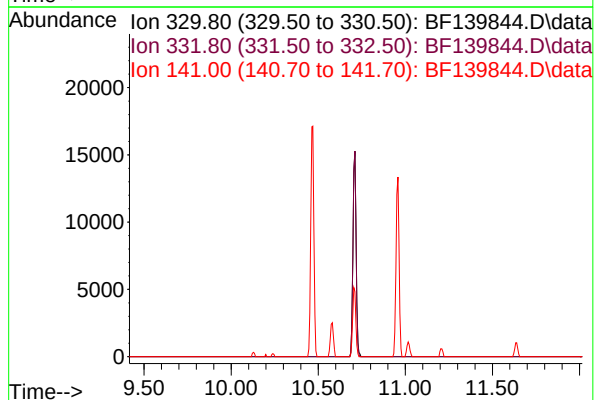
Tgt Ion:164 Resp: 423999
Ion Ratio Lower Upper
164 100
162 99.5 81.0 121.4
160 43.8 35.4 53.0

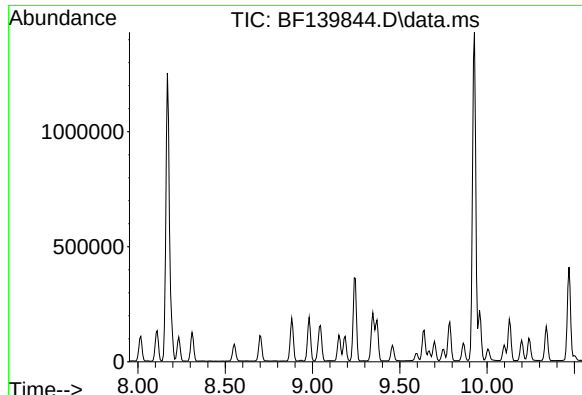


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion: 330
Sig Exp Ratio
330 100
332 97.6
141 33.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

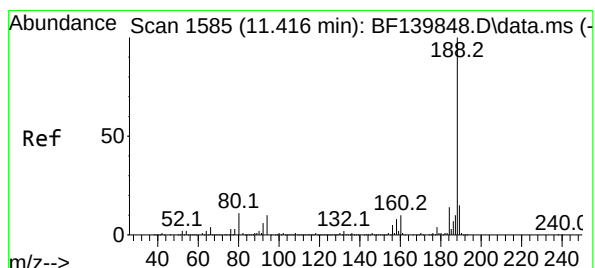
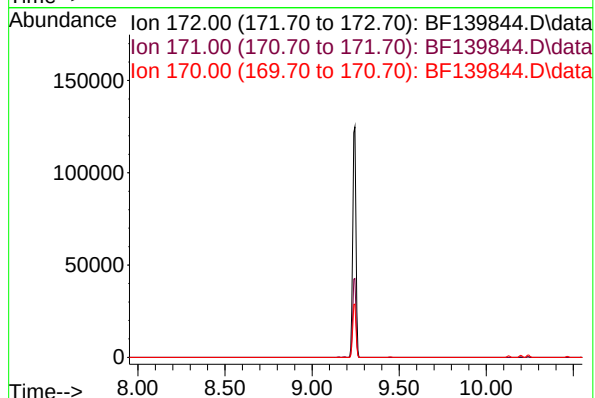
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.8

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

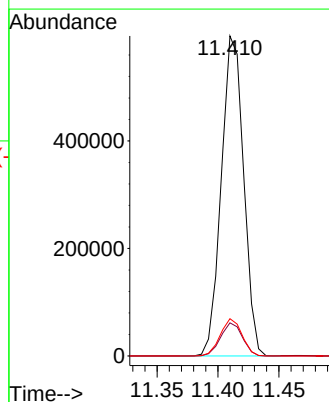
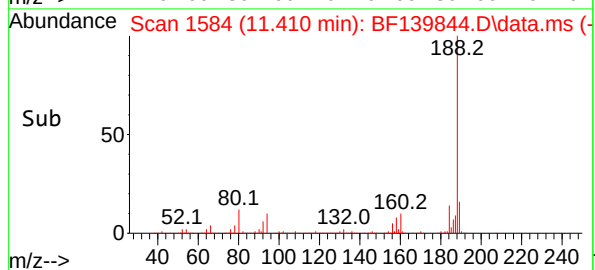
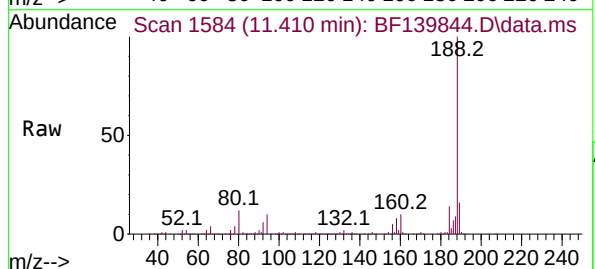
Tgt Ion:188 Resp: 760140

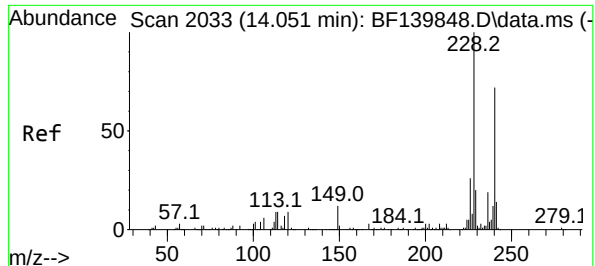
Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.6 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF139844.D

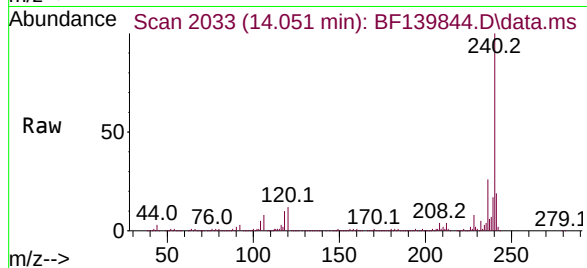
Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



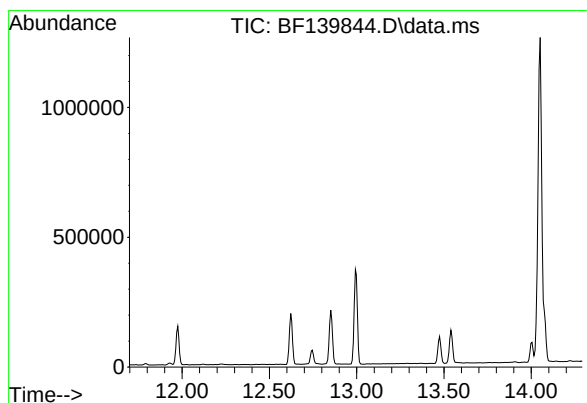
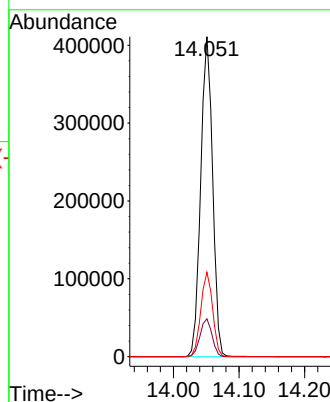
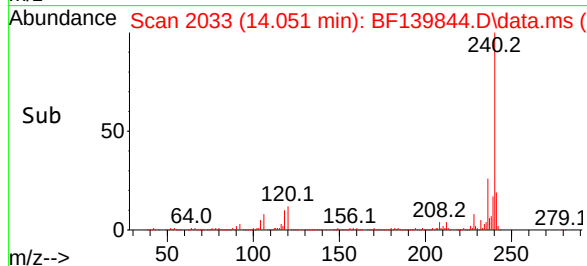
Tgt Ion:240 Resp: 519381

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 26.4 20.9 31.3



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 13.00 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

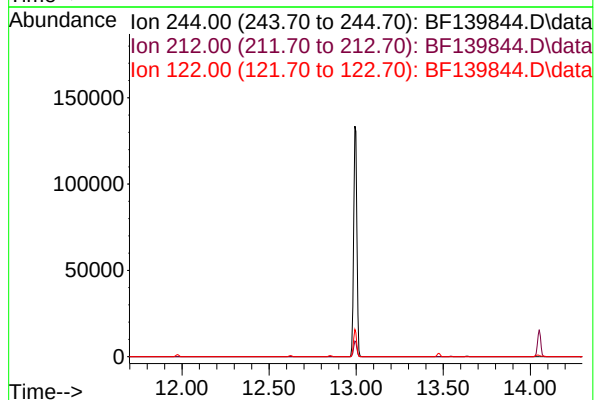
Tgt Ion: 244

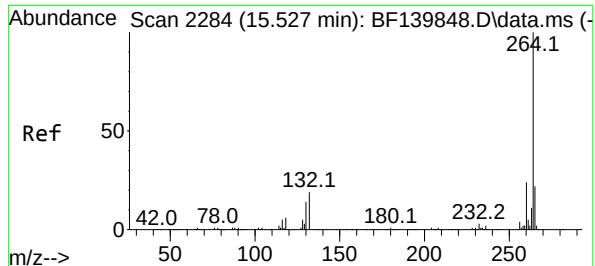
Sig Exp Ratio

244 100

212 7.1

122 10.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139844.D

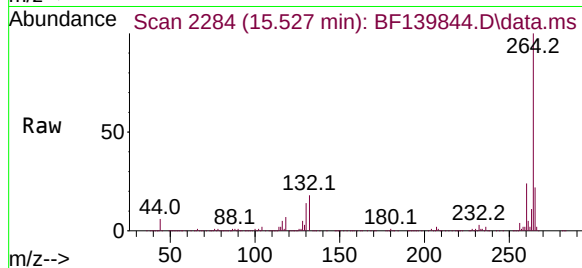
Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



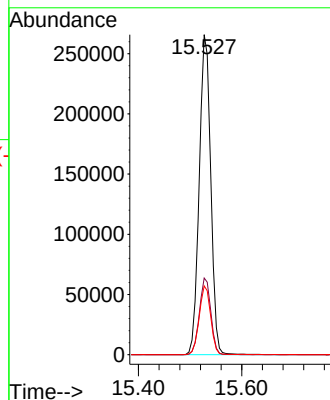
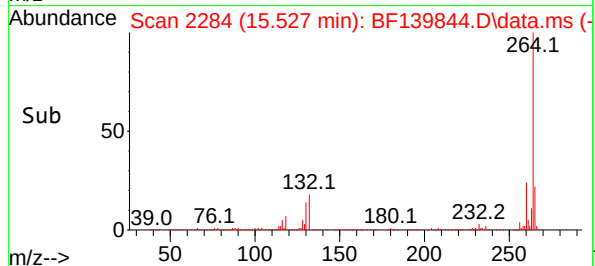
Tgt Ion:264 Resp: 410408

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139845.D
 Acq On : 18 Oct 2024 10:55
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 18 14:16:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	189112	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	737062	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	414324	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	741430	20.000	ng	0.00
76) Chrysene-d12	14.051	240	477223	20.000	ng	0.00
86) Perylene-d12	15.527	264	377685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	138495	11.465	ng	0.00
7) Phenol-d6	6.493	99	179648	11.482	ng	-0.02
23) Nitrobenzene-d5	7.445	82	134439	10.109	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	41682	10.755	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	313171	12.492	ng	0.00
79) Terphenyl-d14	12.992	244	329424	11.248	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	30759	5.461	ng	97
3) Pyridine	3.452	79	76703	5.494	ng	98
4) n-Nitrosodimethylamine	3.375	42	38552	5.140	ng	# 96
6) Aniline	6.545	93	79083	5.424	ng	98
8) 2-Chlorophenol	6.669	128	71065	5.754	ng	98
10) Phenol	6.510	94	92287	5.620	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	69504	5.575	ng	98
12) 1,3-Dichlorobenzene	6.828	146	81239	5.731	ng	99
13) 1,4-Dichlorobenzene	6.904	146	81442	5.750	ng	99
14) 1,2-Dichlorobenzene	7.057	146	78458	5.936	ng	97
15) Benzyl Alcohol	7.016	79	64060	5.582	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	119350	5.614	ng	100
17) 2-Methylphenol	7.122	107	59770	5.676	ng	96
18) Hexachloroethane	7.404	117	27566	5.458	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	53958	5.686	ng	97
20) 3+4-Methylphenols	7.275	107	79329	5.890	ng	92
22) Acetophenone	7.287	105	106522	5.900	ng	98
24) Nitrobenzene	7.463	77	76831	5.269	ng	96
25) Isophorone	7.698	82	139084	5.510	ng	100
26) 2-Nitrophenol	7.781	139	22867	4.157	ng	95
27) 2,4-Dimethylphenol	7.810	122	52430	5.716	ng	97
28) bis(2-Chloroethoxy)met...	7.916	93	86298	5.643	ng	99
29) 2,4-Dichlorophenol	8.016	162	56772	5.434	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	64640	5.592	ng	99
31) Naphthalene	8.192	128	222725	5.859	ng	99
33) 4-Chloroaniline	8.234	127	73196	5.647	ng	99
34) Hexachlorobutadiene	8.310	225	41186	5.670	ng	97
35) Caprolactam	8.557	113	16989	5.114	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	62903	5.438	ng	99
37) 2-Methylnaphthalene	8.881	142	136292	5.854	ng	99
38) 1-Methylnaphthalene	8.981	142	133747	5.856	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	63046	5.640	ng	100
41) Hexachlorocyclopentadiene	9.039	237	19121	4.916	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	41997	5.307	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	44086	5.399	ng	99
46) 1,1'-Biphenyl	9.345	154	169920	5.891	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139845.D
 Acq On : 18 Oct 2024 10:55
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 18 14:16:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

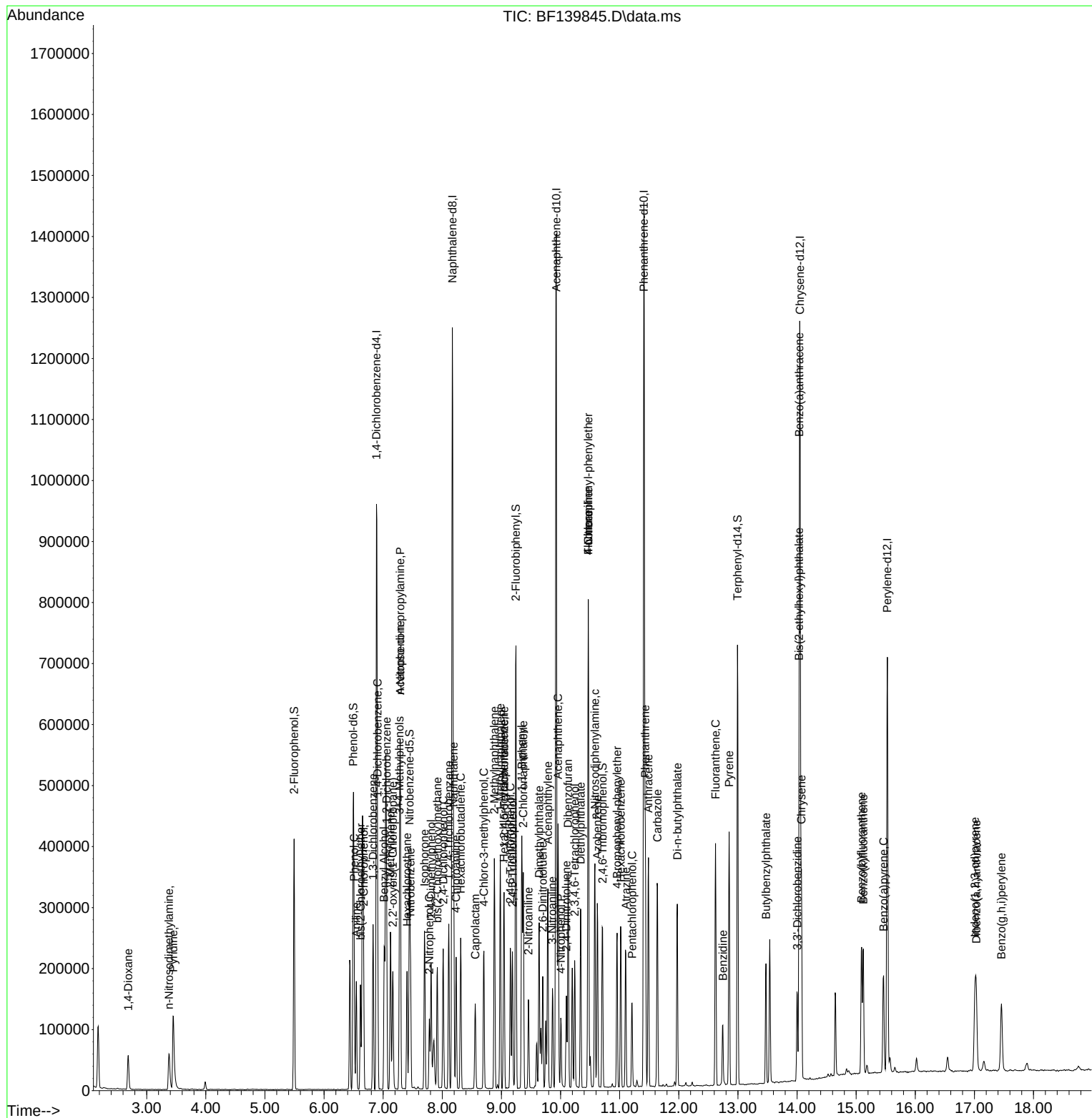
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.369	162	133456	5.745	ng	99
48) 2-Nitroaniline	9.457	65	30999	4.363	ng	99
49) Acenaphthylene	9.786	152	192014	5.717	ng	99
50) Dimethylphthalate	9.639	163	146096	5.661	ng	100
51) 2,6-Dinitrotoluene	9.698	165	26490	4.741	ng	96
52) Acenaphthene	9.957	154	124288	5.721	ng	100
53) 3-Nitroaniline	9.863	138	27995	4.858	ng	# 94
55) Dibenzofuran	10.128	168	182985	5.870	ng	98
56) 4-Nitrophenol	10.004	139	19402	4.376	ng	89
57) 2,4-Dinitrotoluene	10.098	165	29038	4.226	ng	92
58) Fluorene	10.469	166	145913	6.146	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	34636	5.411	ng	97
60) Diethylphthalate	10.339	149	141466	5.583	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	72331	6.033	ng	96
62) 4-Nitroaniline	10.469	138	25747	4.731	ng	96
63) Azobenzene	10.622	77	151158	5.627	ng	99
66) n-Nitrosodiphenylamine	10.581	169	124472	5.609	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	42707	5.591	ng	94
68) Hexachlorobenzene	11.016	284	47895	5.575	ng	98
69) Atrazine	11.104	200	35075	5.835	ng	99
70) Pentachlorophenol	11.210	266	21781	4.178	ng	93
71) Phenanthrene	11.433	178	207716	5.931	ng	98
72) Anthracene	11.486	178	200621	5.871	ng	99
73) Carbazole	11.639	167	185743	5.845	ng	99
74) Di-n-butylphthalate	11.975	149	204647	5.574	ng	99
75) Fluoranthene	12.622	202	213038	6.017	ng	100
77) Benzidine	12.745	184	54501	7.022	ng	99
78) Pyrene	12.851	202	225742	5.404	ng	99
80) Butylbenzylphthalate	13.474	149	58502	4.671	ng	100
81) Benzo(a)anthracene	14.039	228	170026	5.473	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	43937	4.851	ng	100
83) Chrysene	14.074	228	158121	5.551	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	62085	4.419	ng	97
87) Indeno(1,2,3-cd)pyrene	17.010	276	114185	4.699	ng	98
88) Benzo(b)fluoranthene	15.092	252	124353	5.405	ng	100
89) Benzo(k)fluoranthene	15.121	252	114525	5.772	ng	99
90) Benzo(a)pyrene	15.463	252	97243	5.137	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	96416	4.757	ng	99
92) Benzo(g,h,i)perylene	17.457	276	97292	4.805	ng	99

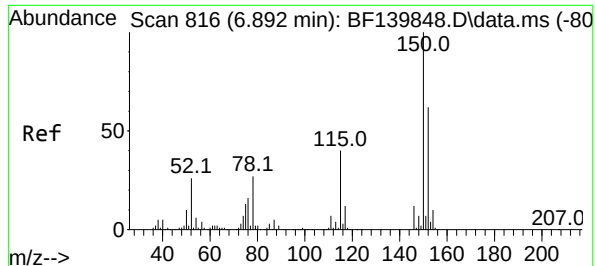
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\  
Data File : BF139845.D  
Acq On    : 18 Oct 2024  10:55  
Operator  : RC/JU  
Sample    : SSTDICC005  
Misc      :  
ALS Vial  : 3    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

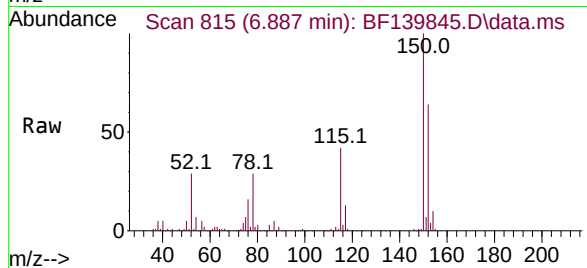
Quant Time: Oct 18 14:16:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration



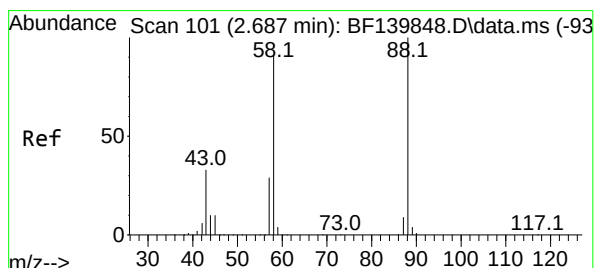
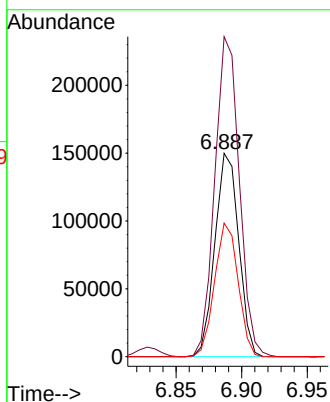
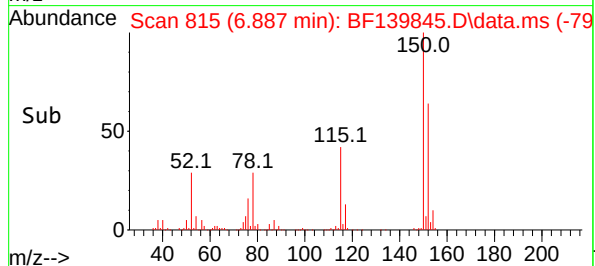


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

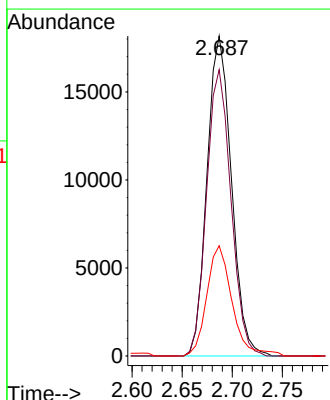
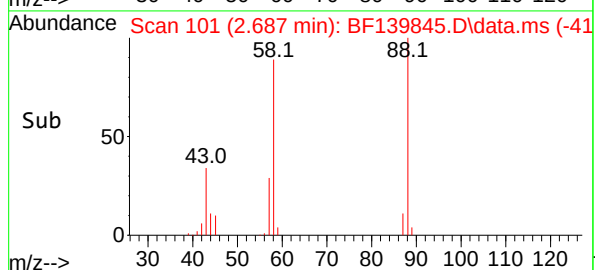
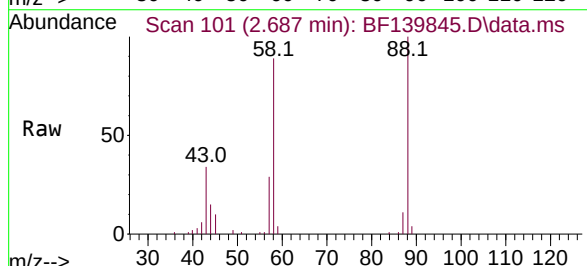


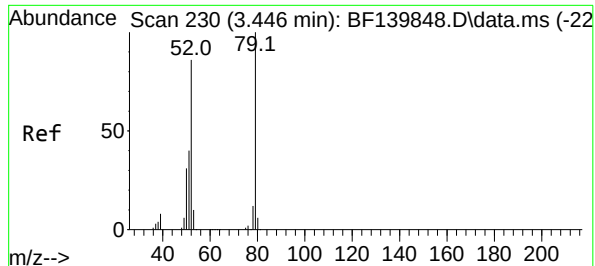
Tgt Ion:152 Resp: 189112
Ion Ratio Lower Upper
152 100
150 157.4 130.2 195.2
115 65.7 51.4 77.2



#2
1,4-Dioxane
Concen: 5.461 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 88 Resp: 30759
Ion Ratio Lower Upper
88 100
58 89.3 73.3 109.9
43 35.6 27.1 40.7





#3

Pyridine

Concen: 5.494 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

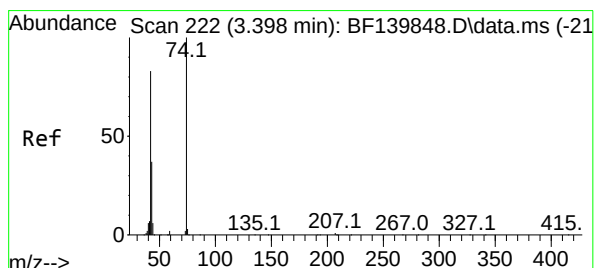
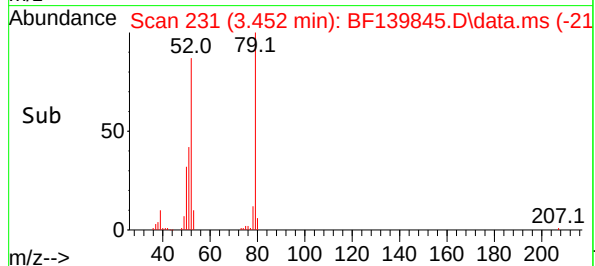
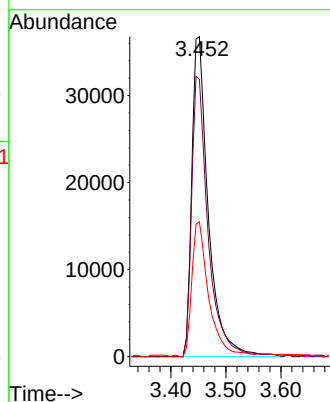
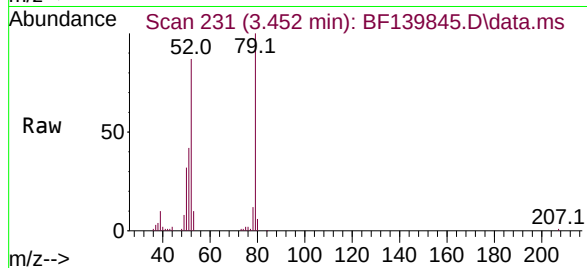
Tgt Ion: 79 Resp: 76703

Ion Ratio Lower Upper

79 100

52 86.7 68.5 102.7

51 42.2 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 5.140 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

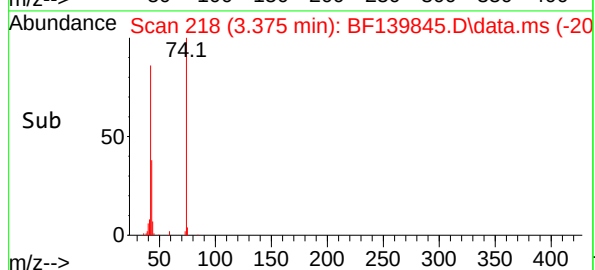
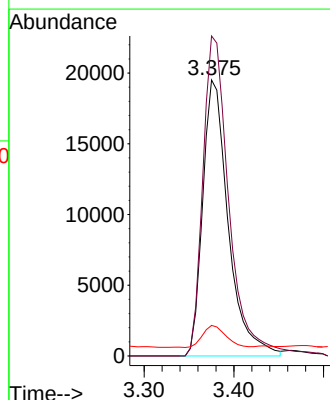
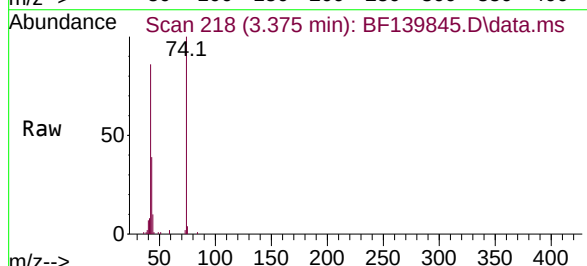
Tgt Ion: 42 Resp: 38552

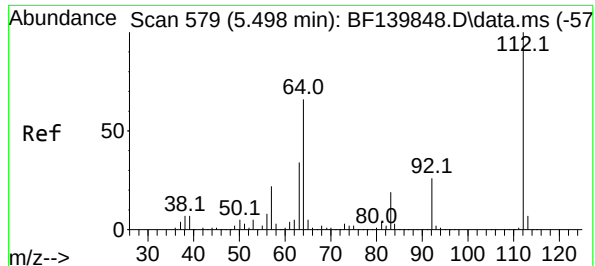
Ion Ratio Lower Upper

42 100

74 115.9 96.2 144.4

44 11.0 6.2 9.2#

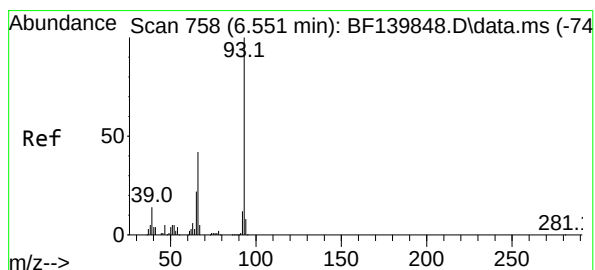
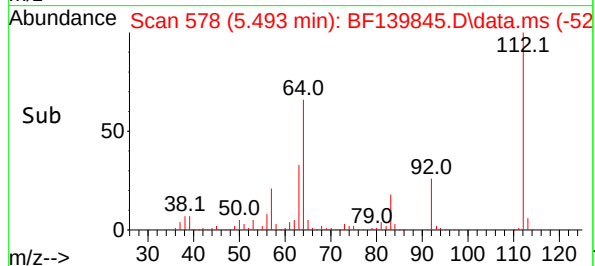
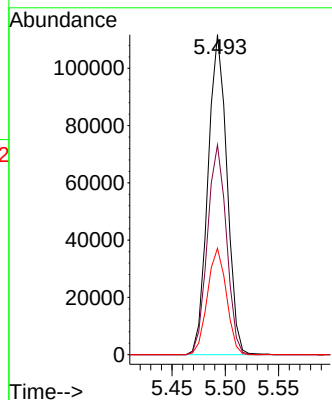
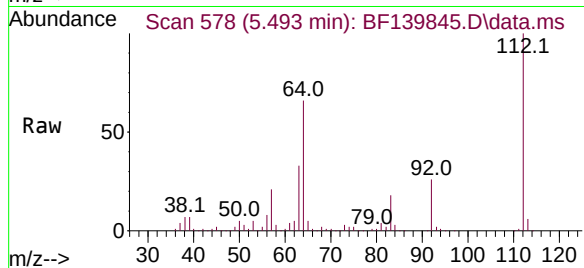




#5
2-Fluorophenol
Concen: 11.465 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

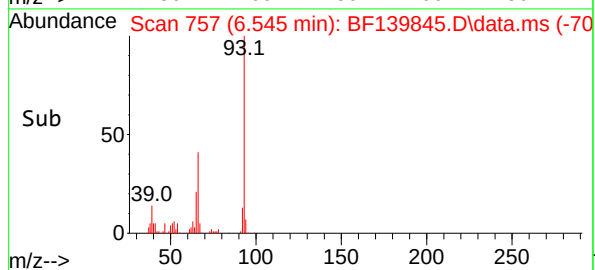
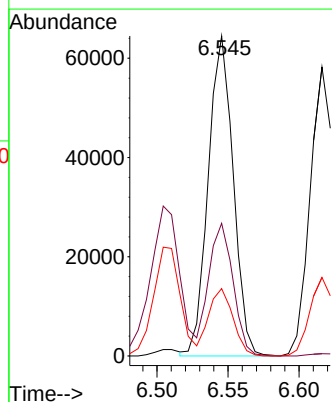
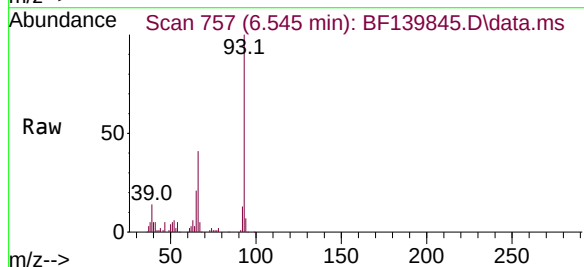
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

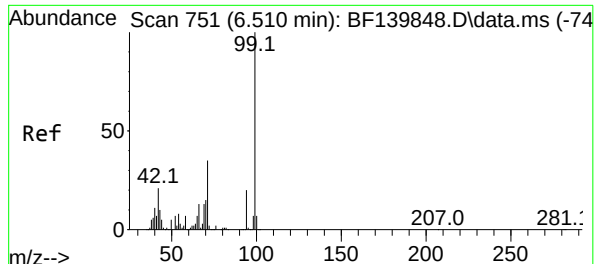
Tgt Ion:112 Resp: 138495
Ion Ratio Lower Upper
112 100
64 65.5 53.0 79.6
63 33.2 27.0 40.4



#6
Aniline
Concen: 5.424 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 79083
Ion Ratio Lower Upper
93 100
66 41.4 34.0 51.0
65 21.1 17.4 26.0





#7

Phenol-d6

Concen: 11.482 ng

RT: 6.493 min Scan# 748

Delta R.T. -0.017 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

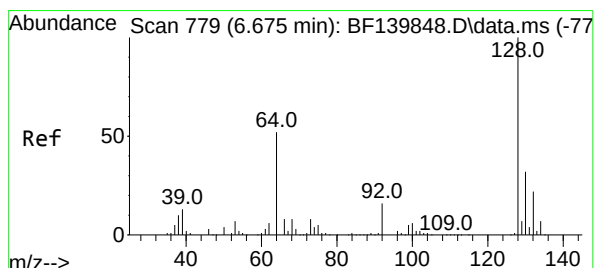
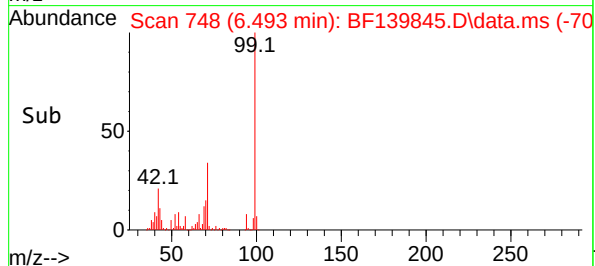
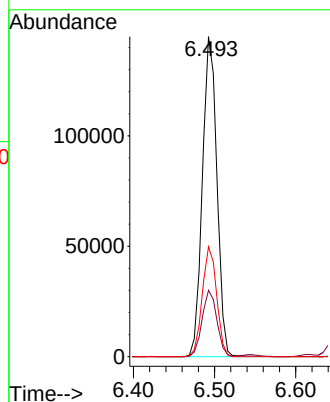
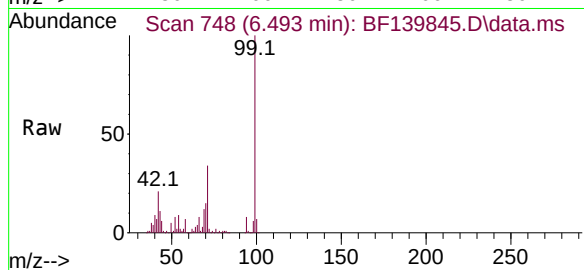
Tgt Ion: 99 Resp: 179648

Ion Ratio Lower Upper

99 100

42 20.7 16.7 25.1

71 34.3 27.7 41.5



#8

2-Chlorophenol

Concen: 5.754 ng

RT: 6.669 min Scan# 778

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

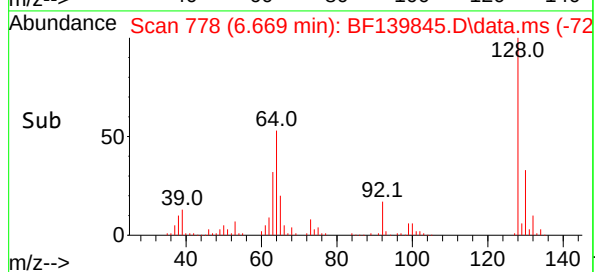
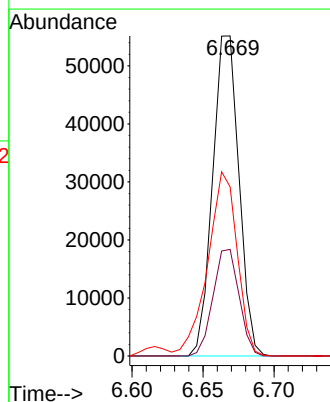
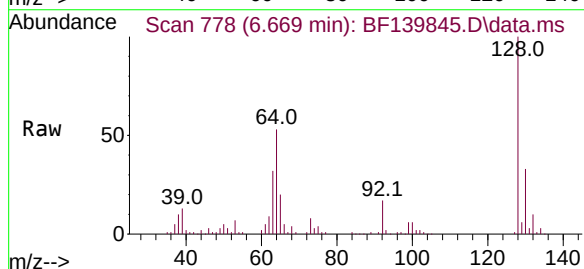
Tgt Ion:128 Resp: 71065

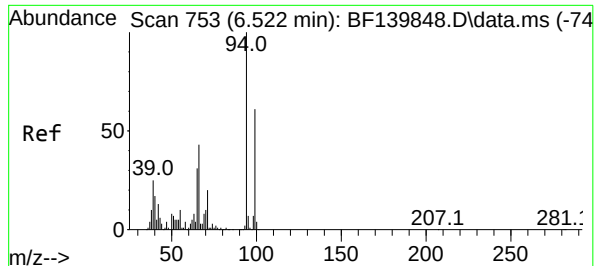
Ion Ratio Lower Upper

128 100

130 33.3 12.3 52.3

64 52.8 34.6 74.6

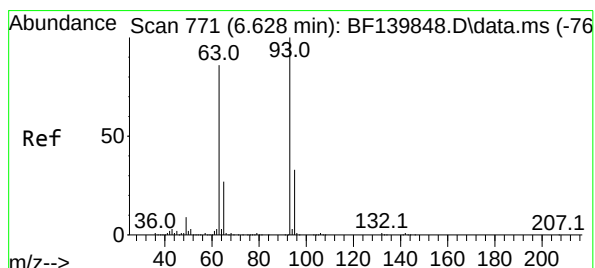
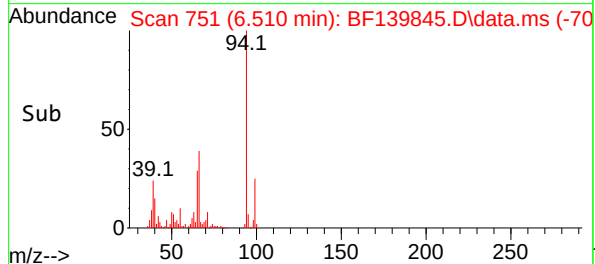
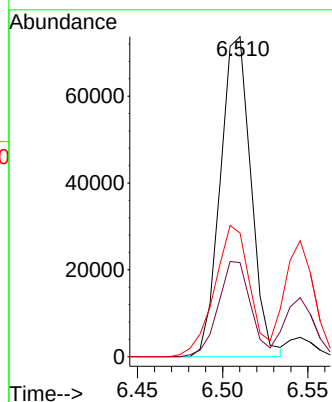
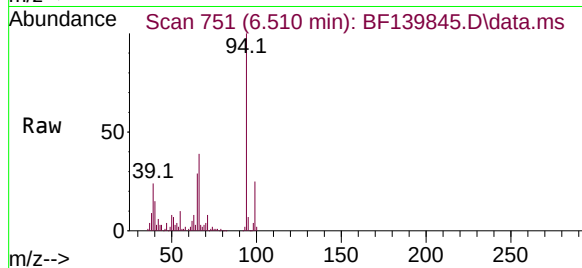




#10
Phenol
Concen: 5.620 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

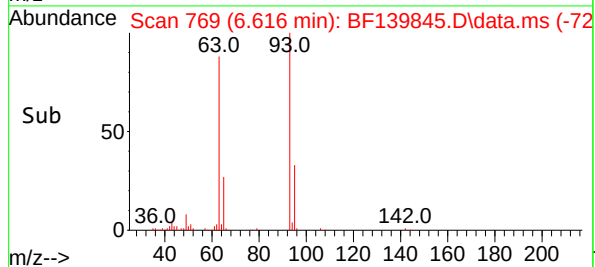
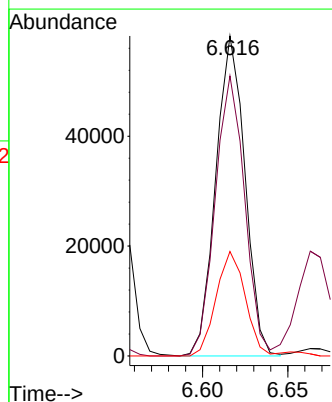
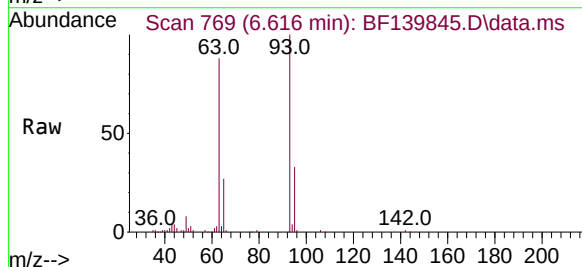
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

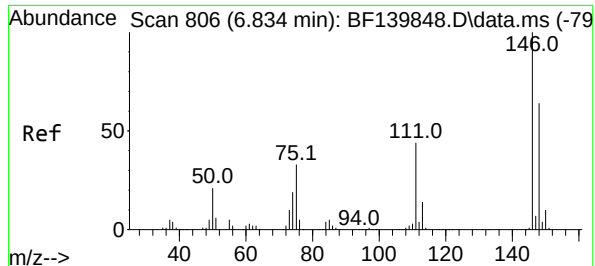
Tgt Ion: 94 Resp: 92287
Ion Ratio Lower Upper
94 100
65 29.4 11.1 51.1
66 38.6 22.7 62.7



#11
bis(2-Chloroethyl)ether
Concen: 5.575 ng
RT: 6.616 min Scan# 769
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 69504
Ion Ratio Lower Upper
93 100
63 87.5 65.0 105.0
95 32.6 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 5.731 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

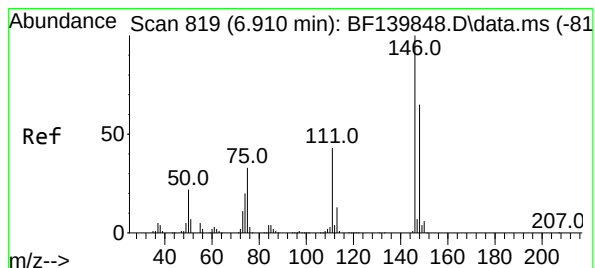
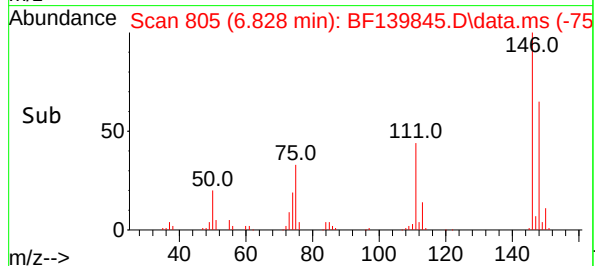
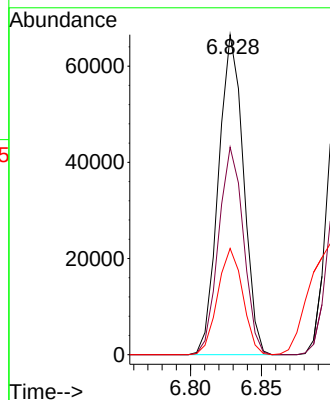
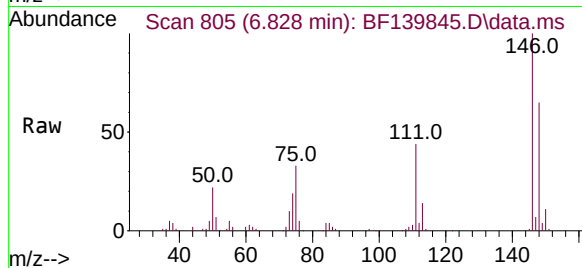
Tgt Ion:146 Resp: 81239

Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.4

75 33.2 26.4 39.6



#13

1,4-Dichlorobenzene

Concen: 5.750 ng

RT: 6.904 min Scan# 818

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

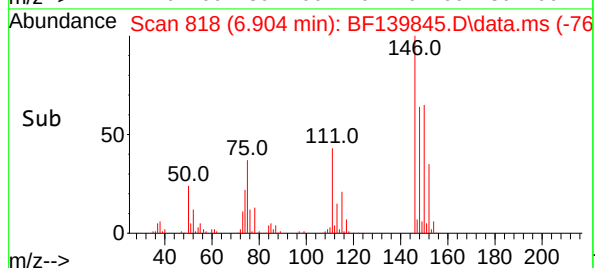
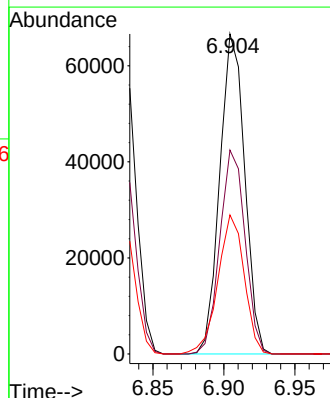
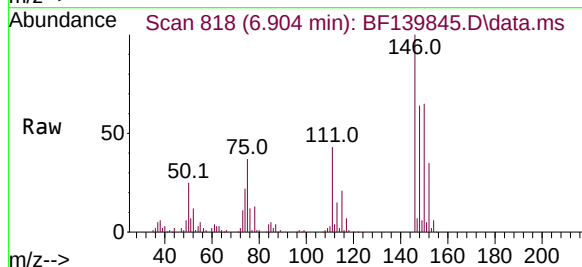
Tgt Ion:146 Resp: 81442

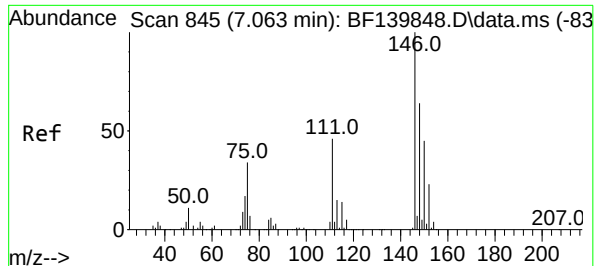
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.8

111 43.5 34.6 51.8





#14

1,2-Dichlorobenzene

Concen: 5.936 ng

RT: 7.057 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

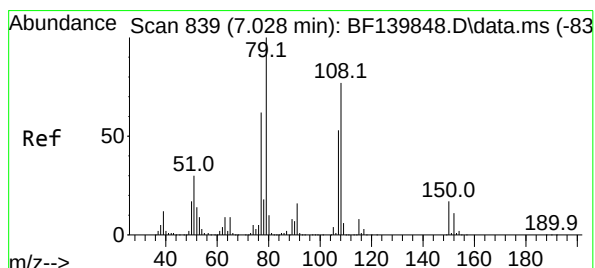
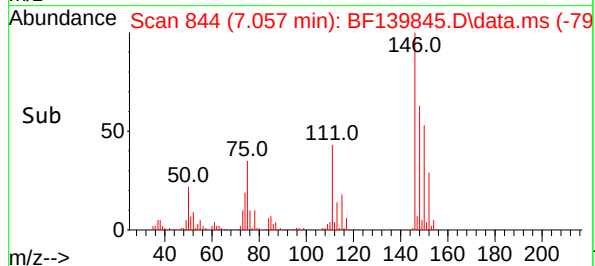
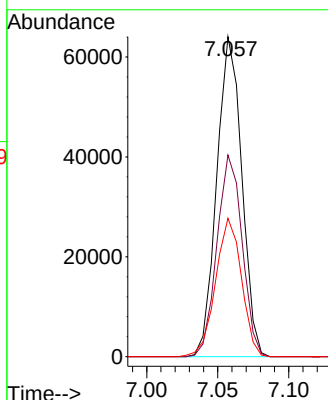
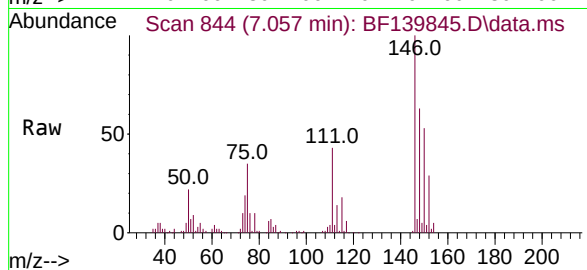
Tgt Ion:146 Resp: 78458

Ion Ratio Lower Upper

146 100

148 63.0 51.4 77.2

111 43.3 36.7 55.1



#15

Benzyl Alcohol

Concen: 5.582 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

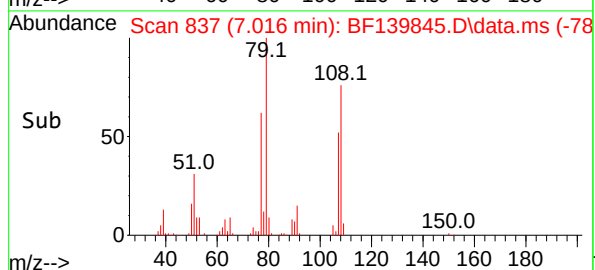
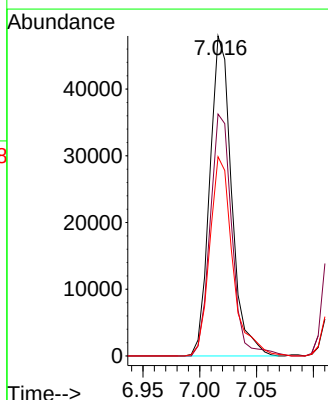
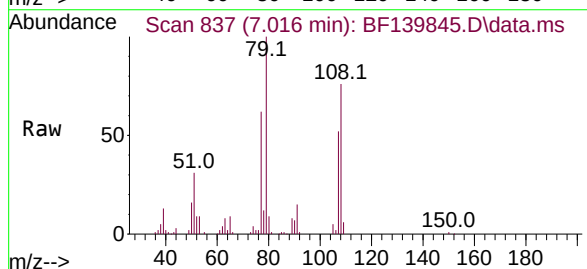
Tgt Ion: 79 Resp: 64060

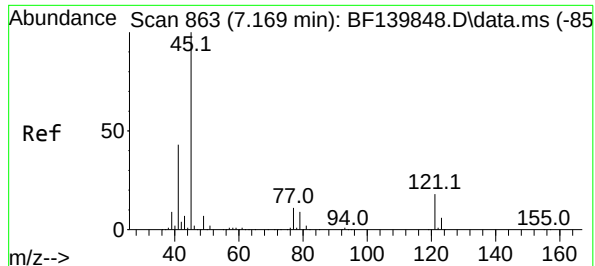
Ion Ratio Lower Upper

79 100

108 75.6 61.4 92.0

77 62.3 49.9 74.9

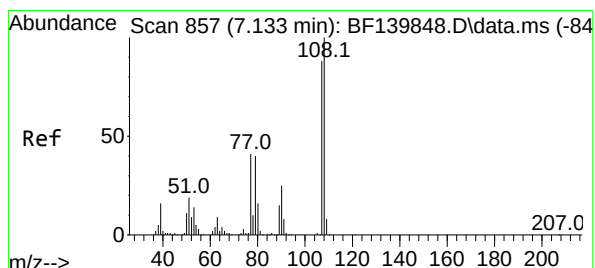
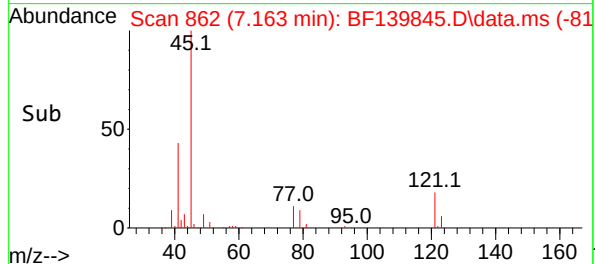
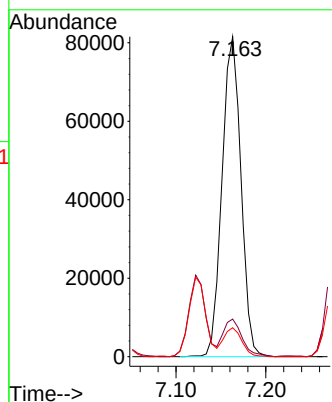
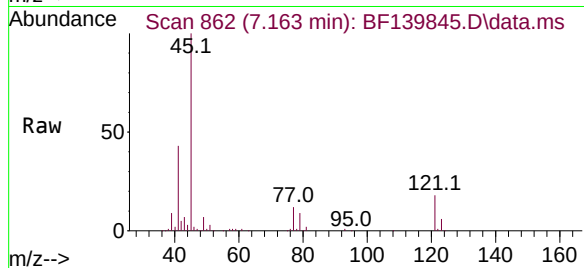




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.614 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

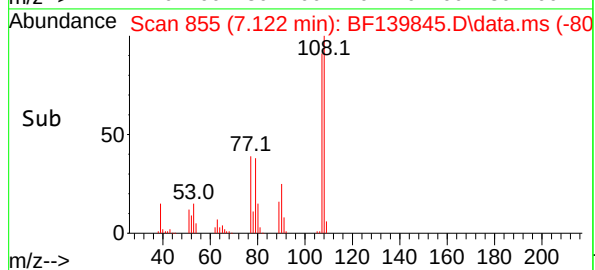
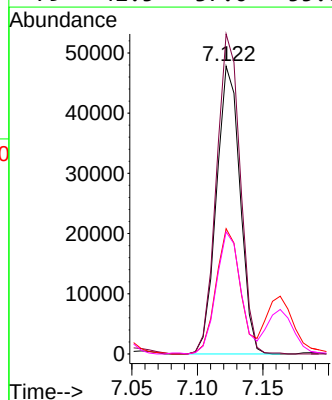
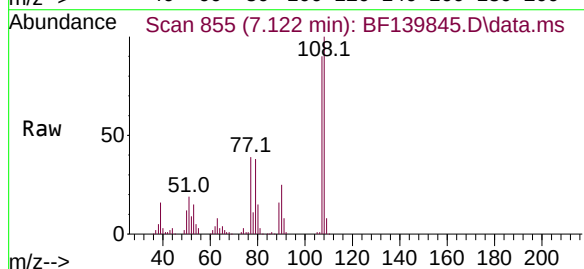
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

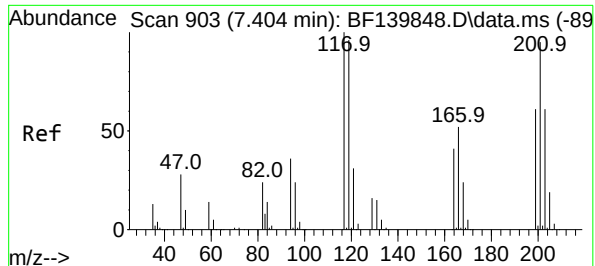
Tgt Ion: 45 Resp: 119350
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.5
79 9.1 0.0 29.1



#17
2-Methylphenol
Concen: 5.676 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 107 Resp: 59770
Ion Ratio Lower Upper
107 100
108 111.2 91.3 136.9
77 43.6 37.1 55.7
79 42.5 37.0 55.6

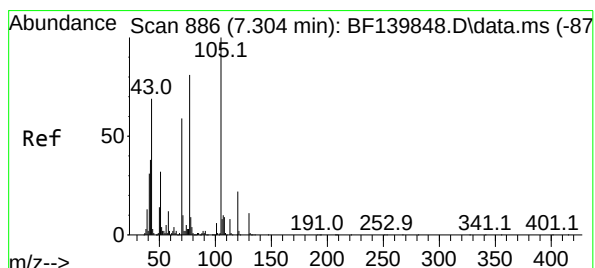
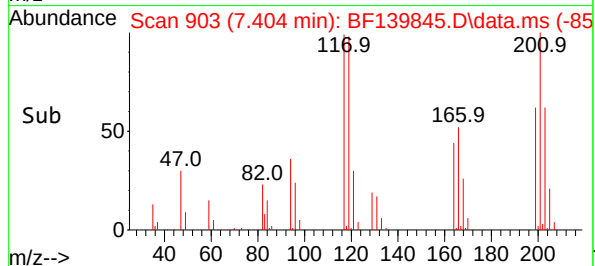
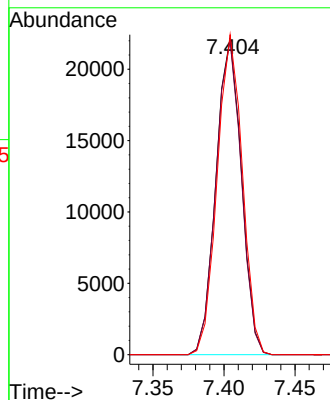
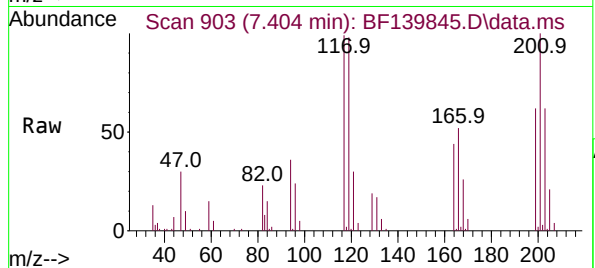




#18
Hexachloroethane
Concen: 5.458 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

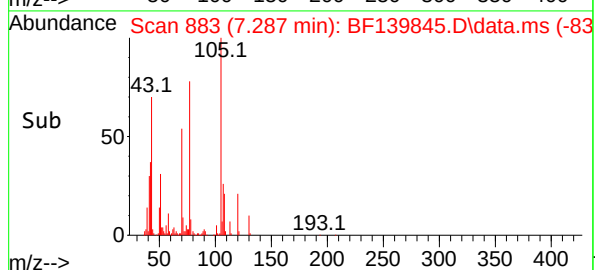
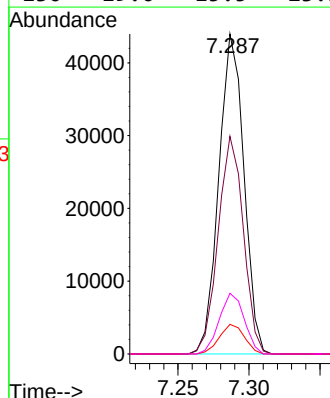
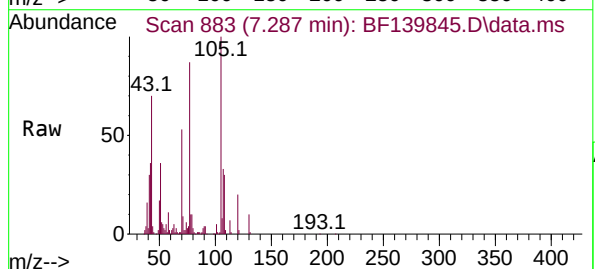
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

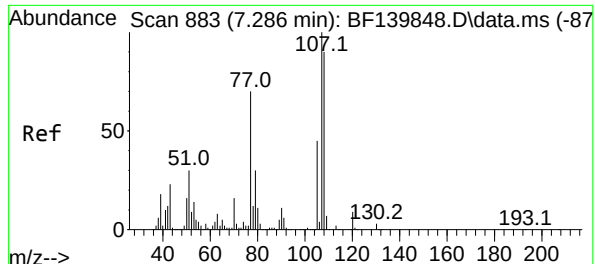
Tgt Ion:117 Resp: 27566
Ion Ratio Lower Upper
117 100
119 99.1 77.0 115.4
201 101.0 76.2 114.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.686 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 70 Resp: 53958
Ion Ratio Lower Upper
70 100
42 68.0 51.5 77.3
101 9.2 7.5 11.3
130 19.0 15.5 23.3





#20

3+4-Methylphenols

Concen: 5.890 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139845.D

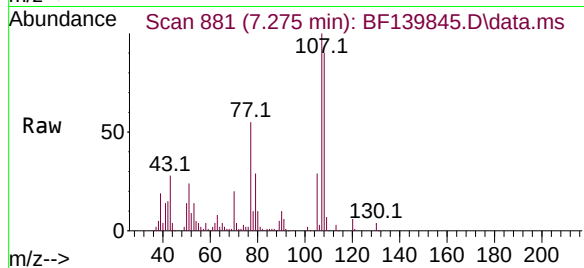
Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

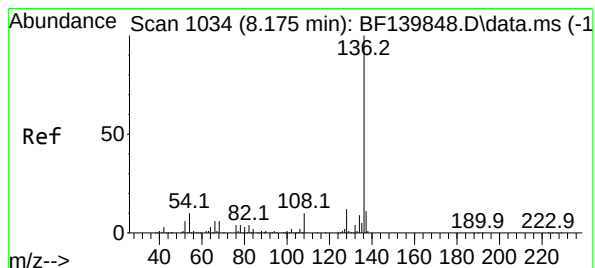
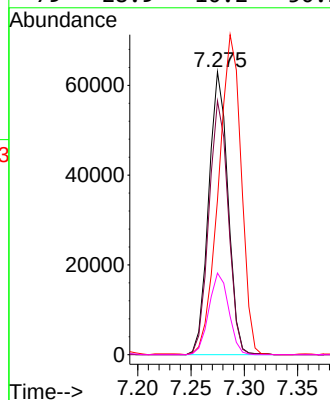
ClientSampleId :

SSTDICC005



Tgt Ion:107 Resp: 79329

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.8	109.8
77	54.7	50.5	90.5
79	28.9	10.2	50.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

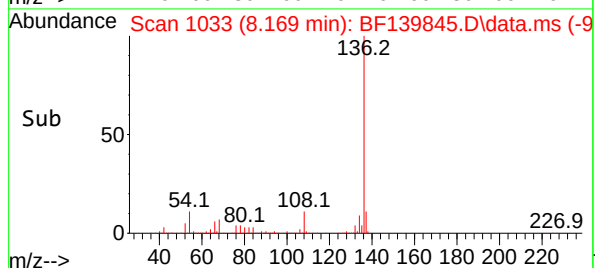
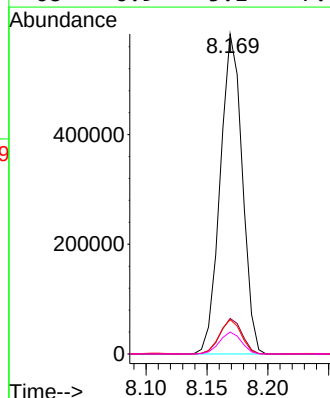
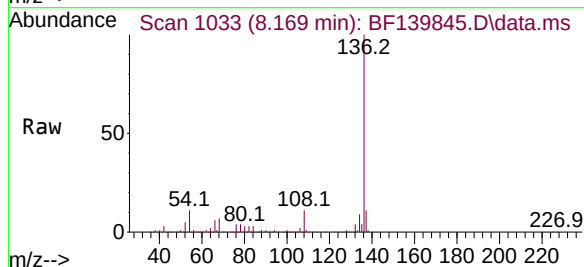
Delta R.T. -0.006 min

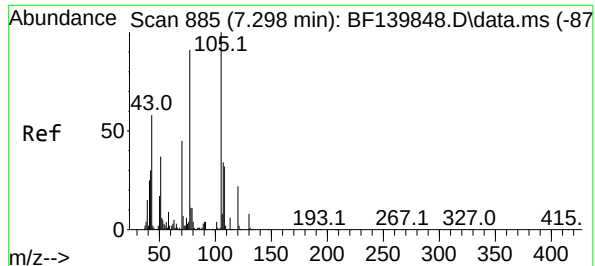
Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:136 Resp: 737062

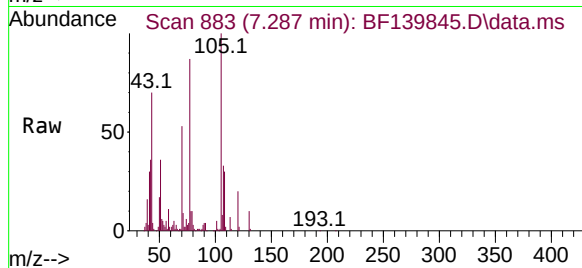
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.7	8.4	12.6
68	6.9	5.1	7.7



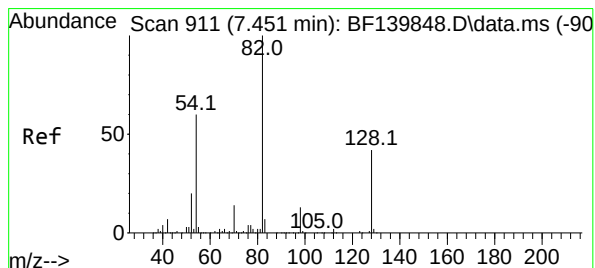
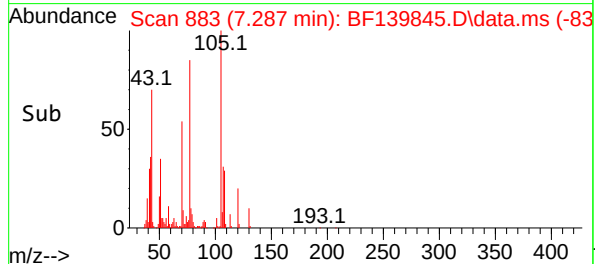
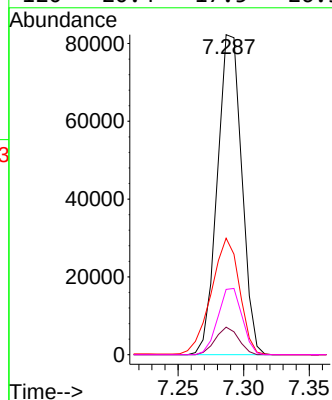


#22
Acetophenone
Concen: 5.900 ng
RT: 7.287 min Scan# 810
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

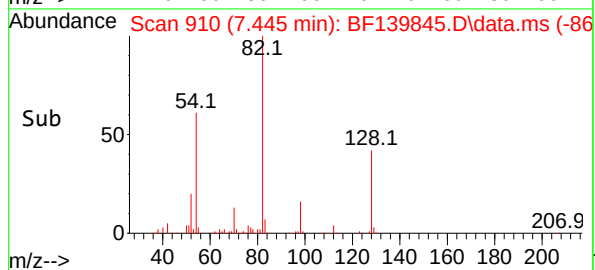
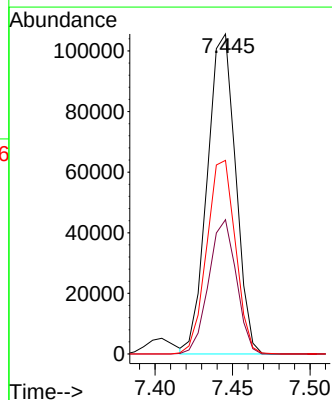
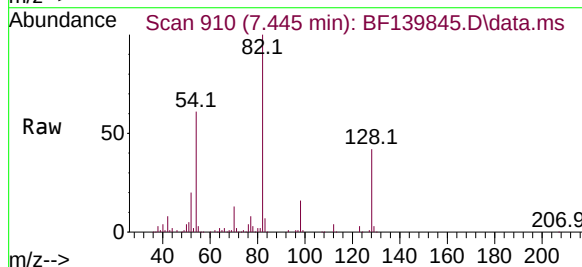


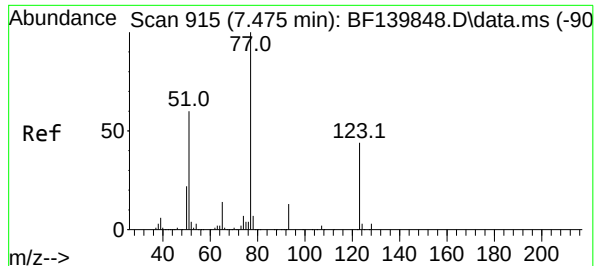
Tgt Ion:105 Resp: 106522
Ion Ratio Lower Upper
105 100
71 8.6 5.9 8.9
51 36.4 29.4 44.2
120 20.4 17.5 26.3



#23
Nitrobenzene-d5
Concen: 10.109 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 82 Resp: 134439
Ion Ratio Lower Upper
82 100
128 42.0 33.4 50.0
54 60.5 47.8 71.8





#24

Nitrobenzene

Concen: 5.269 ng

RT: 7.463 min Scan# 915

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

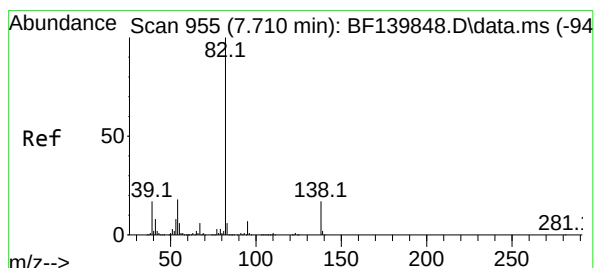
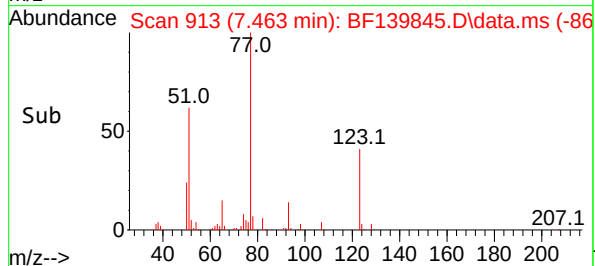
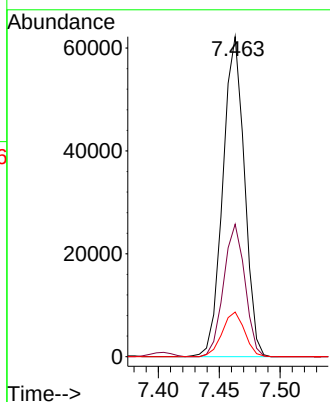
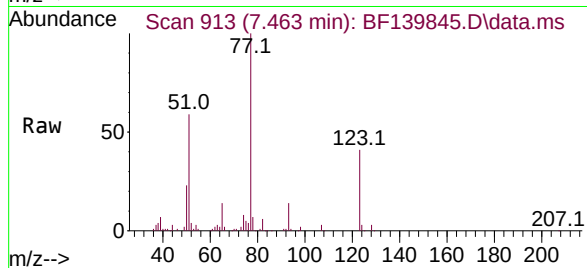
Tgt Ion: 77 Resp: 76831

Ion Ratio Lower Upper

77 100

123 41.4 35.7 53.5

65 14.0 11.5 17.3



#25

Isophorone

Concen: 5.510 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

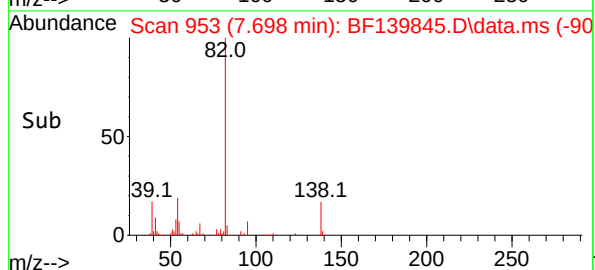
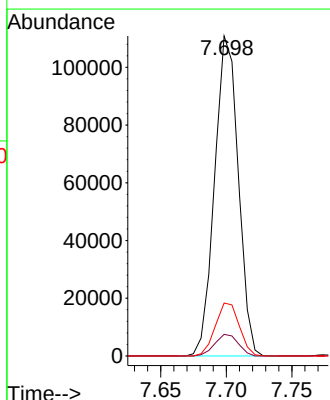
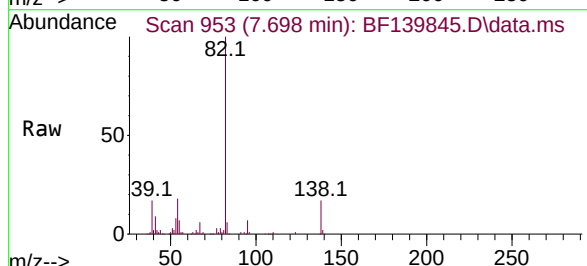
Tgt Ion: 82 Resp: 139084

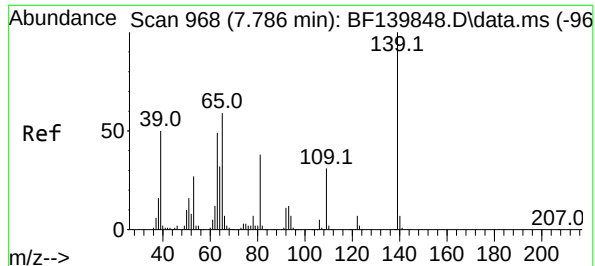
Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 16.5 13.2 19.8





#26

2-Nitrophenol

Concen: 4.157 ng

RT: 7.781 min Scan# 968

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

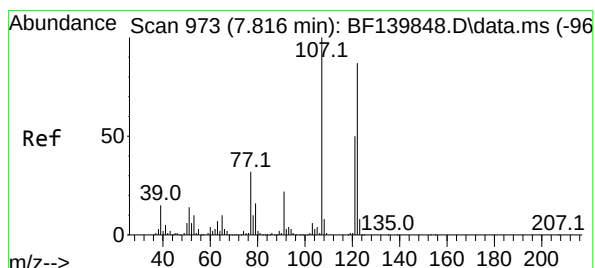
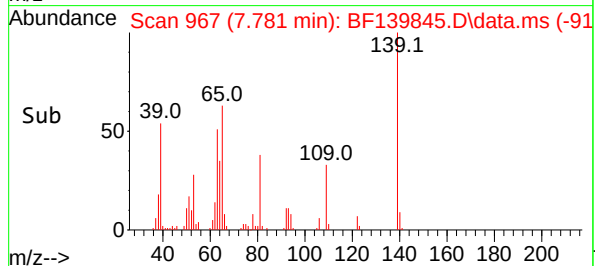
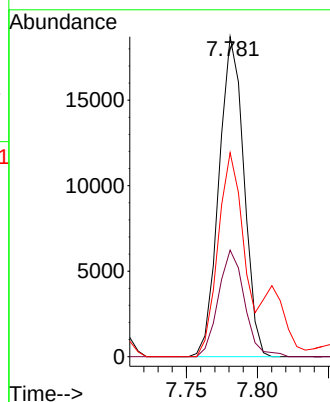
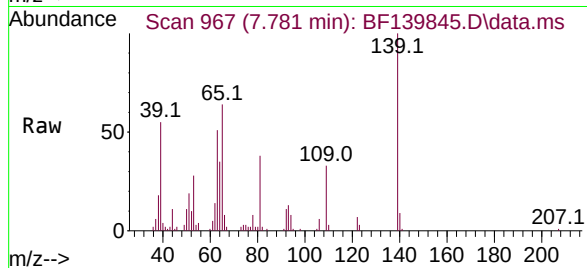
Tgt Ion:139 Resp: 22867

Ion Ratio Lower Upper

139 100

109 33.3 25.1 37.7

65 63.8 47.5 71.3



#27

2,4-Dimethylphenol

Concen: 5.716 ng

RT: 7.810 min Scan# 972

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

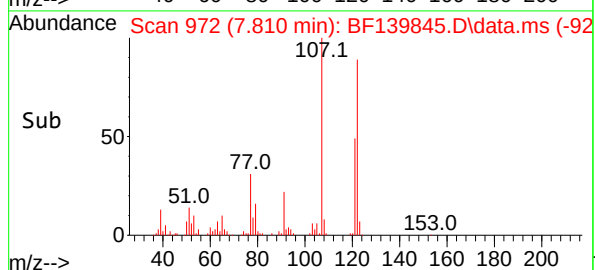
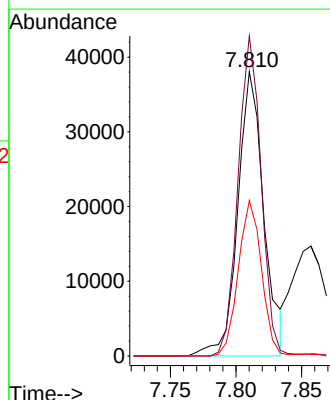
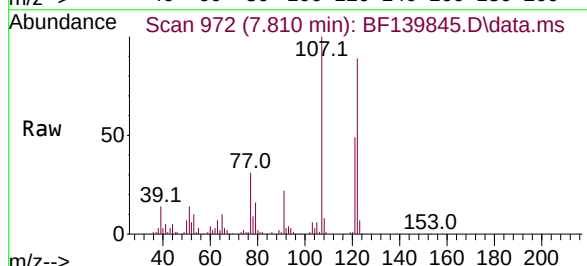
Tgt Ion:122 Resp: 52430

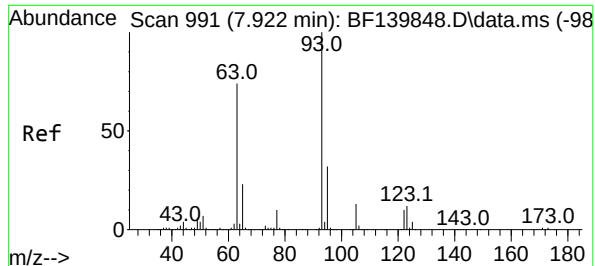
Ion Ratio Lower Upper

122 100

107 112.5 91.9 137.9

121 54.7 46.2 69.4





#28

bis(2-Chloroethoxy)methane

Concen: 5.643 ng

RT: 7.916 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

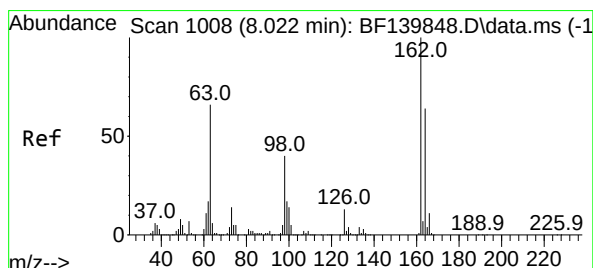
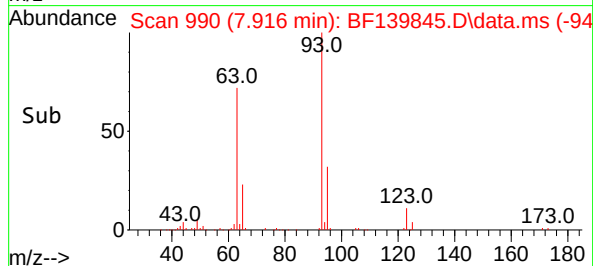
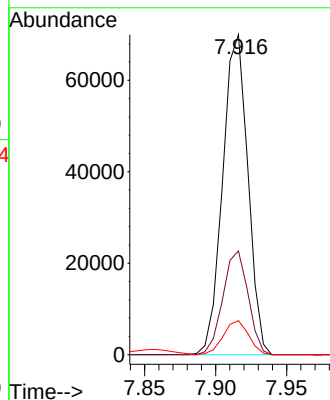
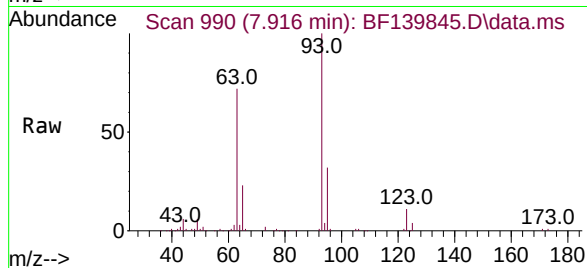
Tgt Ion: 93 Resp: 86298

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 10.6 9.8 14.8



#29

2,4-Dichlorophenol

Concen: 5.434 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

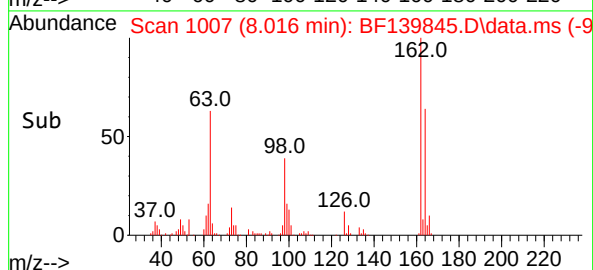
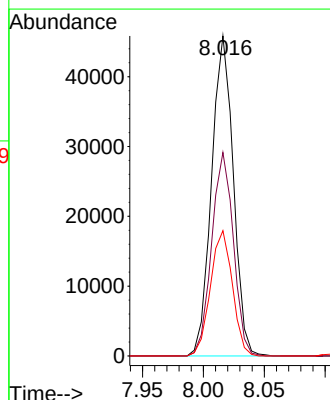
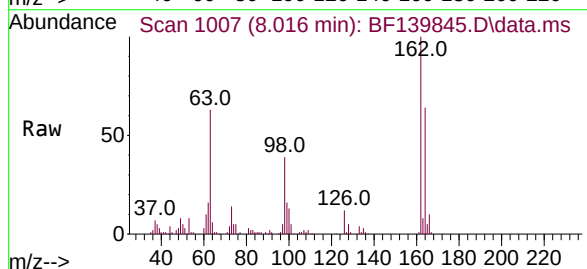
Tgt Ion: 162 Resp: 56772

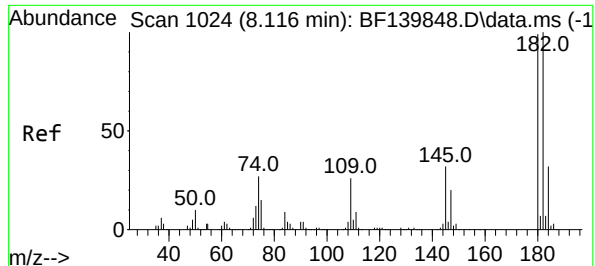
Ion Ratio Lower Upper

162 100

164 63.6 43.9 83.9

98 39.2 19.9 59.9





#30

1,2,4-Trichlorobenzene

Concen: 5.592 ng

RT: 8.110 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

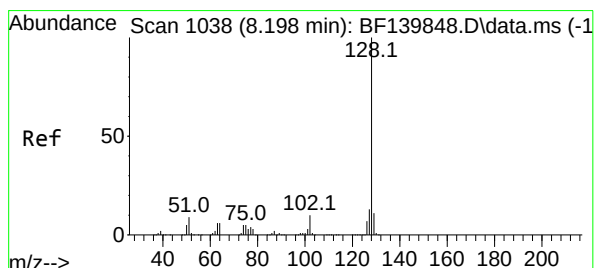
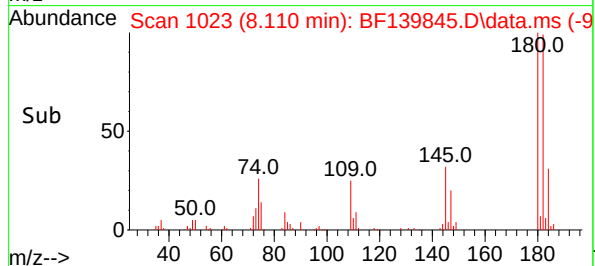
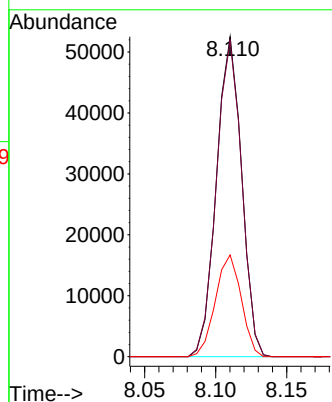
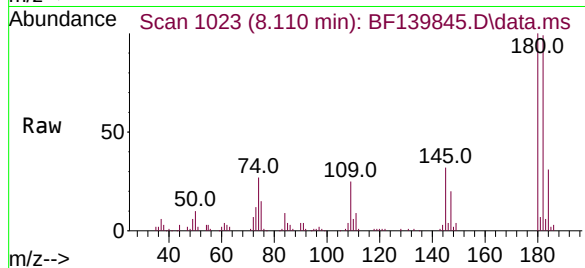
Tgt Ion:180 Resp: 64640

Ion Ratio Lower Upper

180 100

182 98.8 80.5 120.7

145 31.8 25.4 38.0



#31

Naphthalene

Concen: 5.859 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

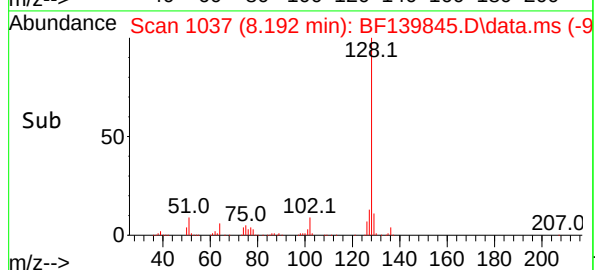
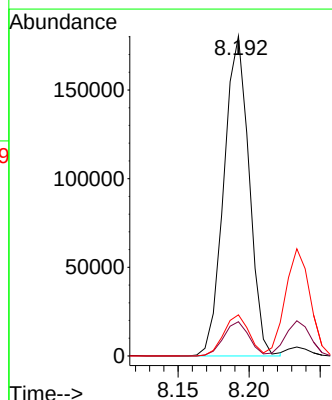
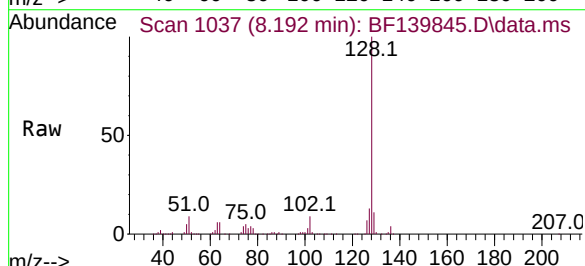
Tgt Ion:128 Resp: 222725

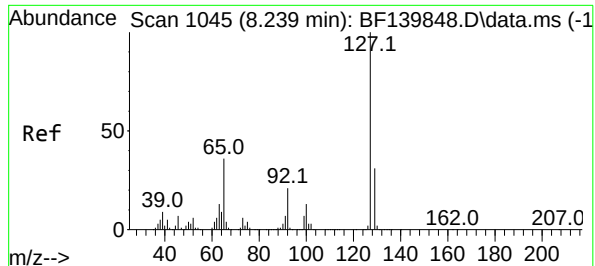
Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 12.9 10.6 16.0





#33

4-Chloroaniline

Concen: 5.647 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:127 Resp: 73196

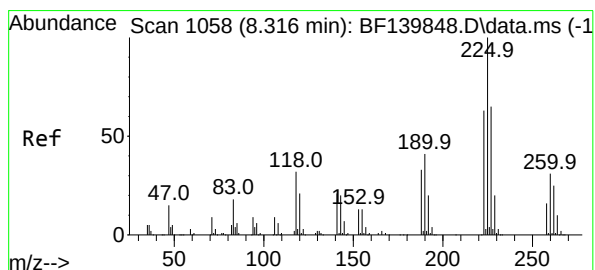
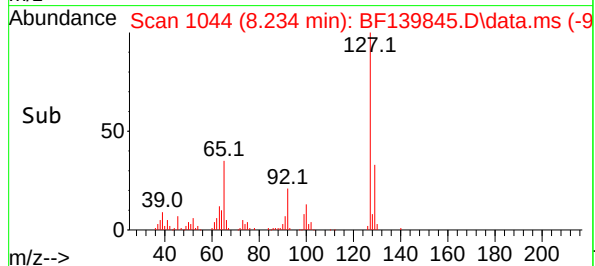
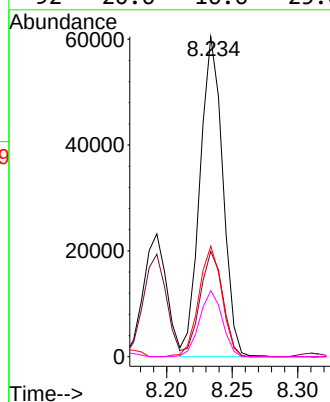
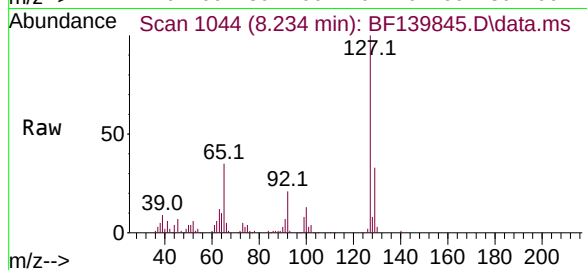
Ion Ratio Lower Upper

127 100

129 32.9 25.4 38.2

65 34.5 28.4 42.6

92 20.6 16.6 25.0



#34

Hexachlorobutadiene

Concen: 5.670 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

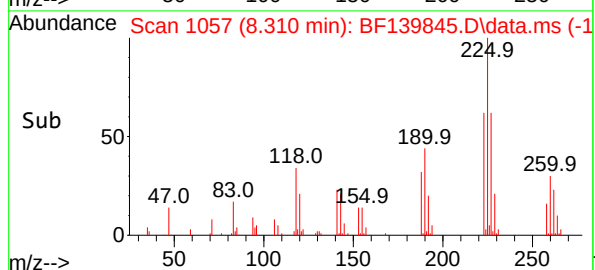
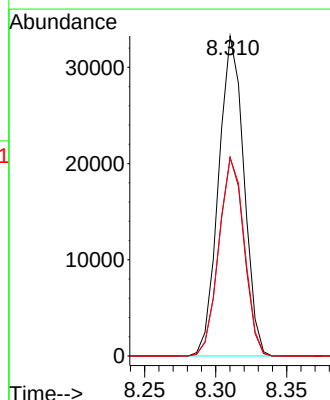
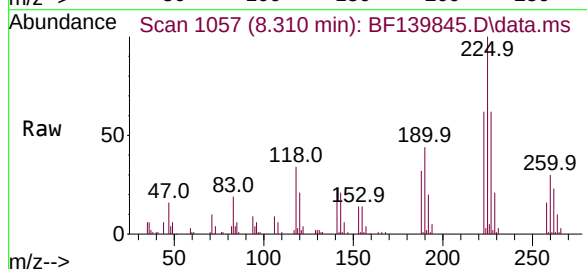
Tgt Ion:225 Resp: 41186

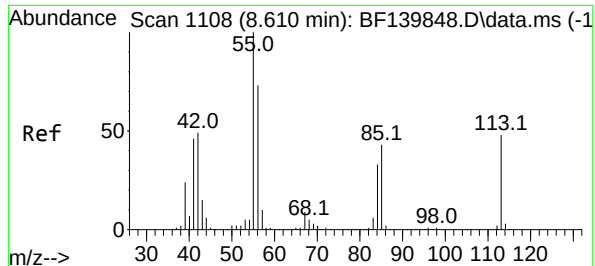
Ion Ratio Lower Upper

225 100

223 62.1 50.6 76.0

227 61.9 51.8 77.8

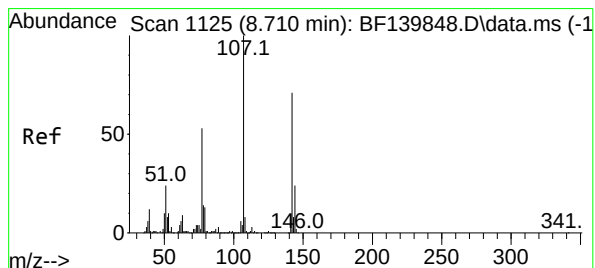
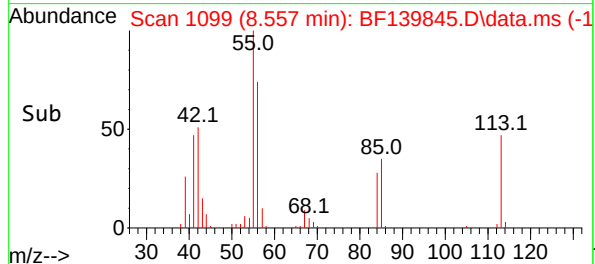
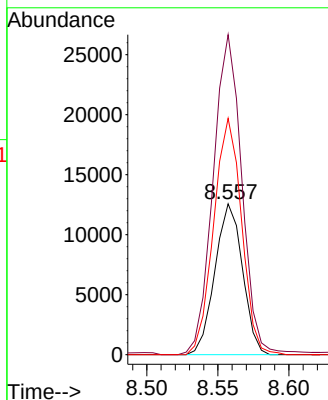
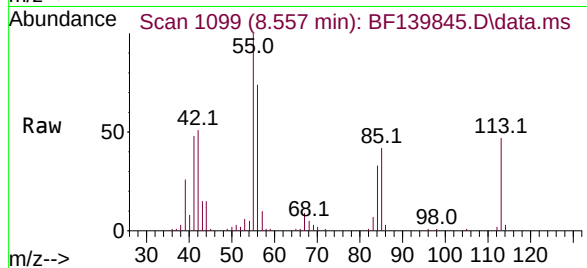




#35
Caprolactam
Concen: 5.114 ng
RT: 8.557 min Scan# 1108
Delta R.T. -0.053 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

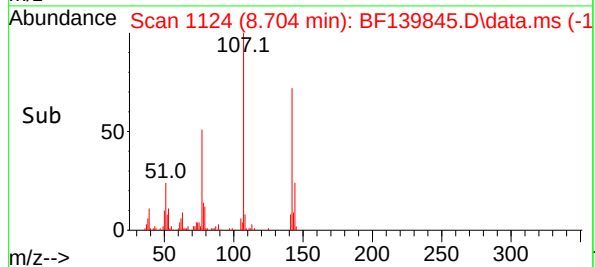
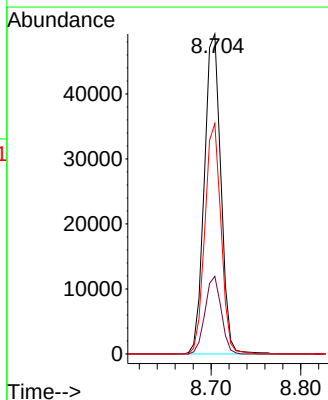
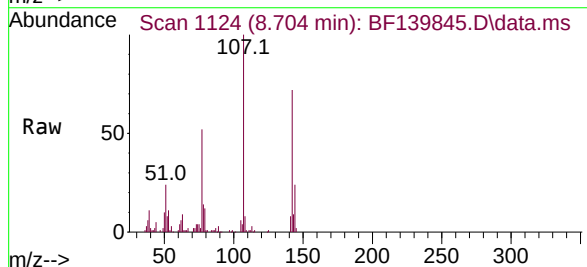
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

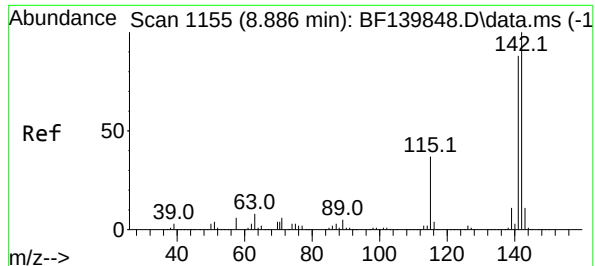
Tgt Ion	Ratio	Lower	Upper
113	100		
55	212.2	189.2	229.2
56	156.7	132.5	172.5



#36
4-Chloro-3-methylphenol
Concen: 5.438 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	72.0	57.2	85.8





#37

2-Methylnaphthalene

Concen: 5.854 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

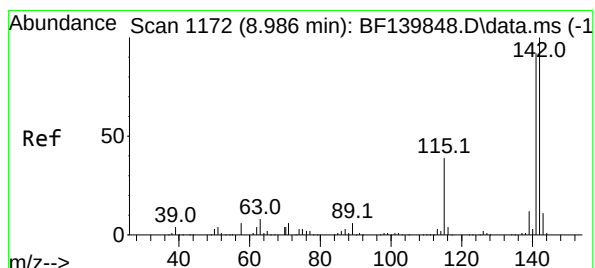
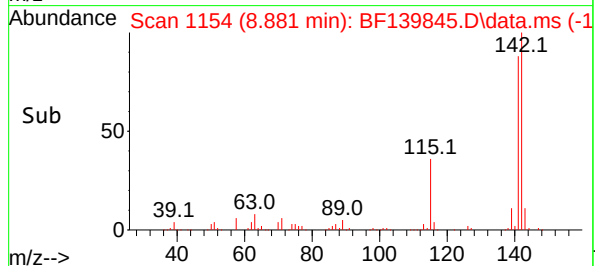
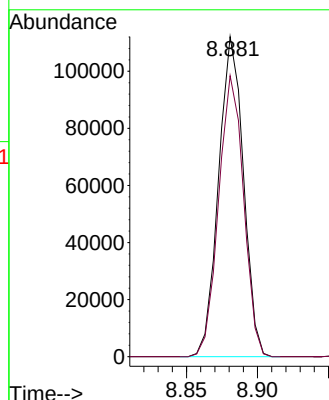
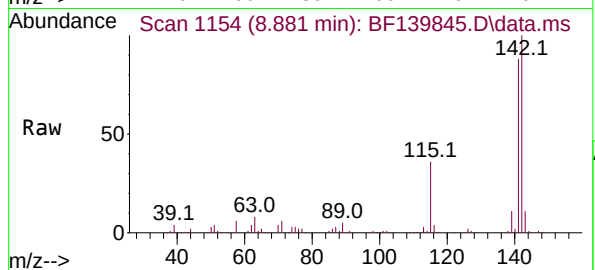
SSTDICC005

Tgt Ion:142 Resp: 136292

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2



#38

1-Methylnaphthalene

Concen: 5.856 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139845.D

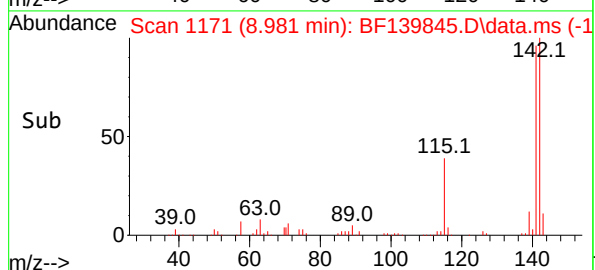
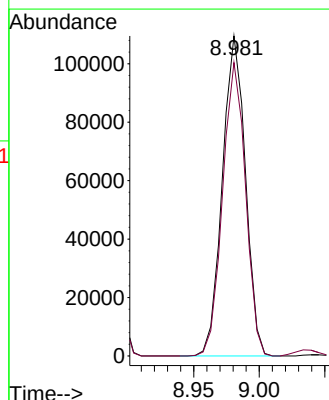
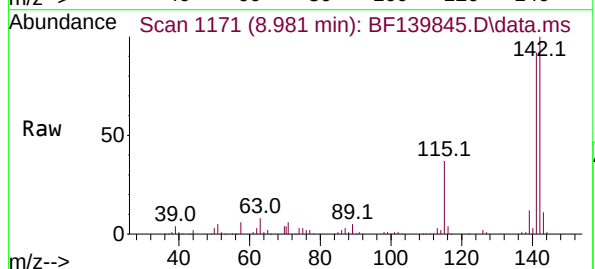
Acq: 18 Oct 2024 10:55

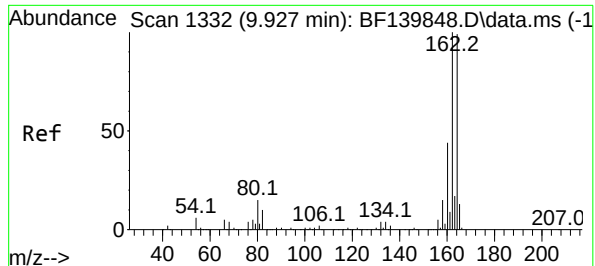
Tgt Ion:142 Resp: 133747

Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

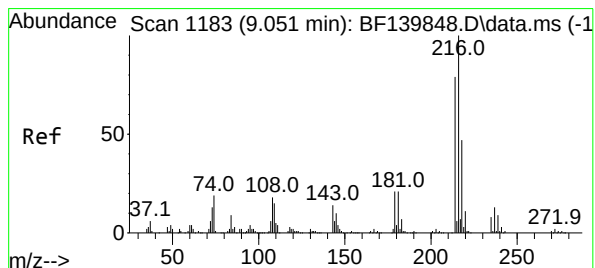
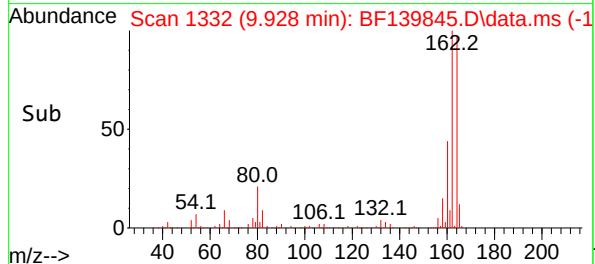
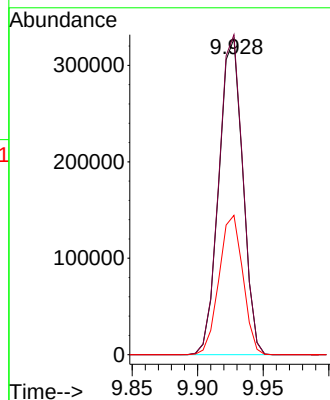
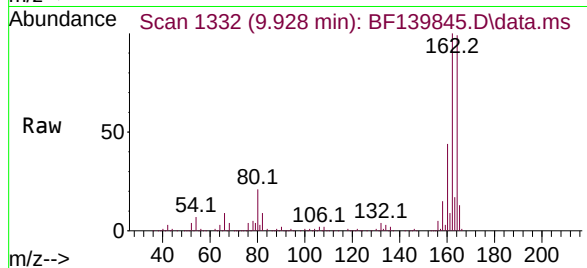
Tgt Ion:164 Resp: 414324

Ion Ratio Lower Upper

164 100

162 101.3 81.0 121.4

160 44.1 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.640 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:216 Resp: 63046

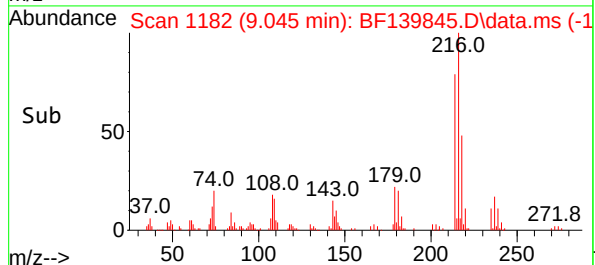
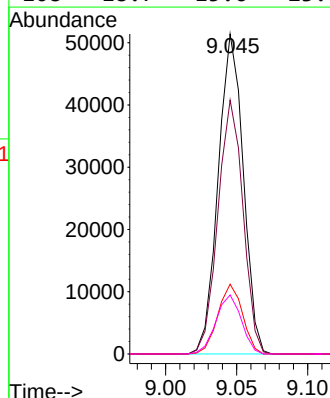
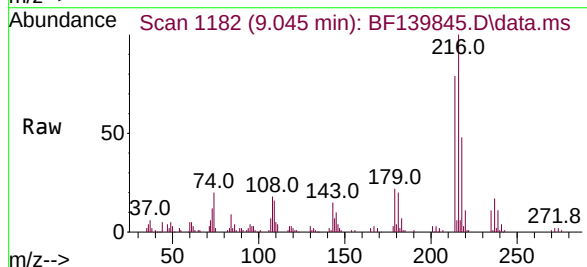
Ion Ratio Lower Upper

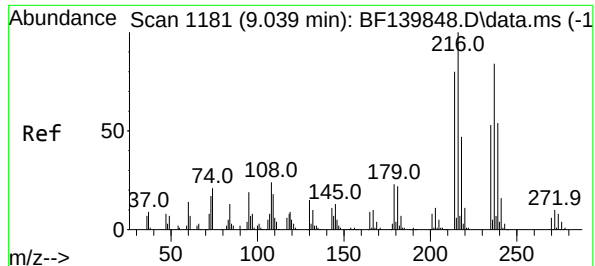
216 100

214 79.3 63.4 95.0

179 21.4 17.2 25.8

108 18.7 15.6 23.4

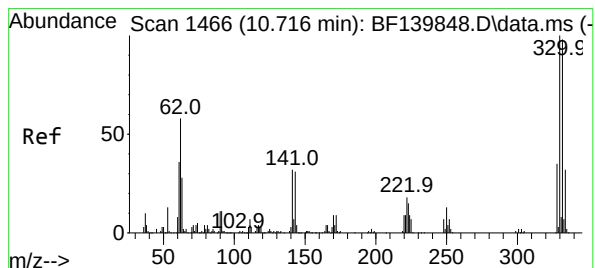
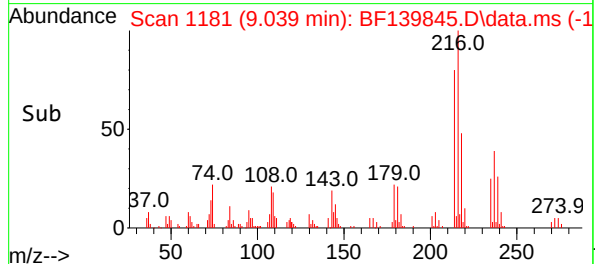
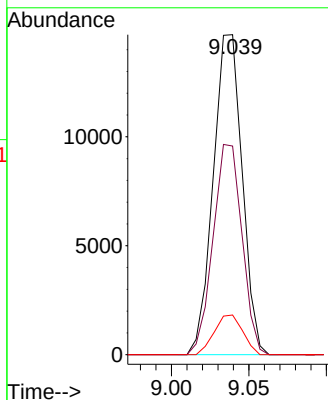
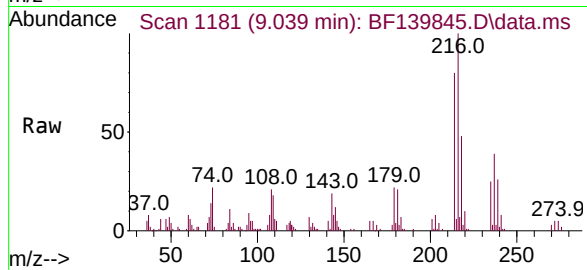




#41
Hexachlorocyclopentadiene
Concen: 4.916 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

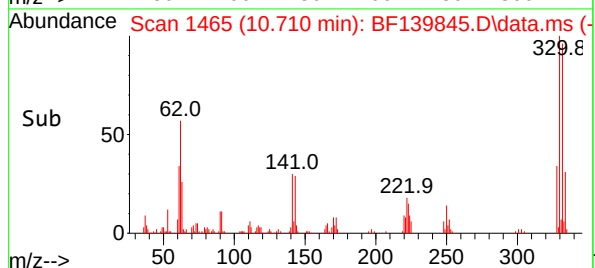
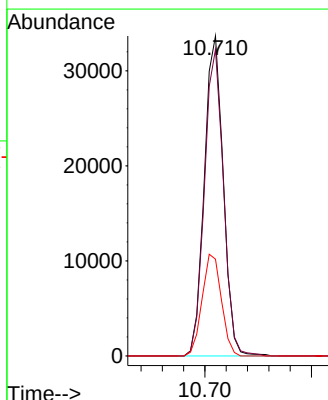
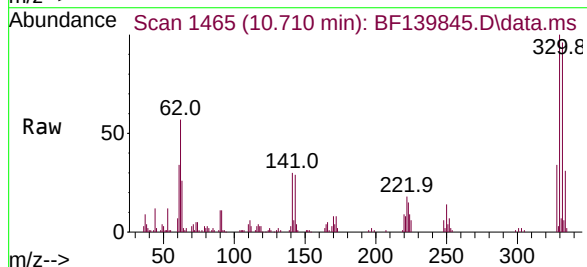
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

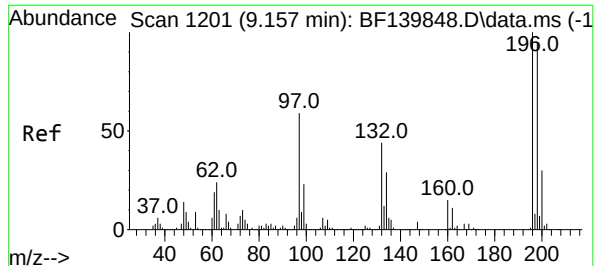
Tgt Ion	Ratio	Lower	Upper
237	100		
235	65.2	42.9	82.9
272	12.4	0.0	32.3



#42
2,4,6-Tribromophenol
Concen: 10.755 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	32.3	26.6	39.8





#43

2,4,6-Trichlorophenol

Concen: 5.307 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

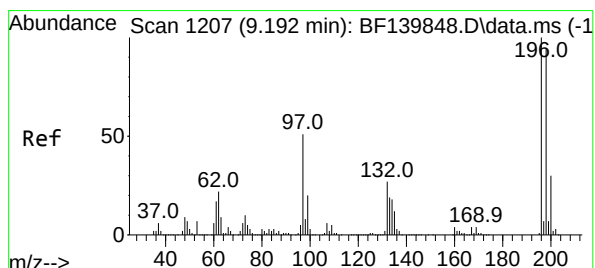
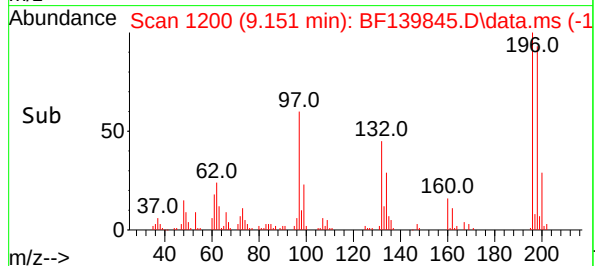
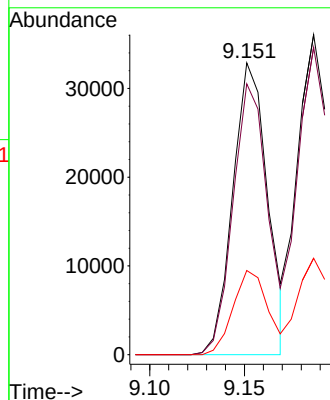
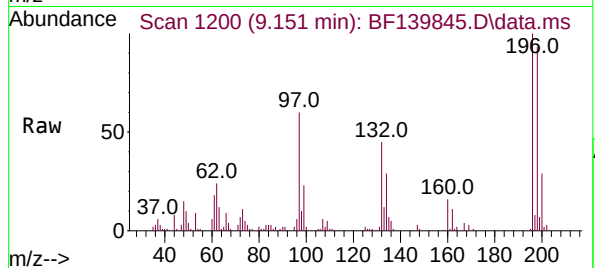
Tgt Ion:196 Resp: 41997

Ion Ratio Lower Upper

196 100

198 92.8 76.2 114.2

200 28.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 5.399 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:196 Resp: 44086

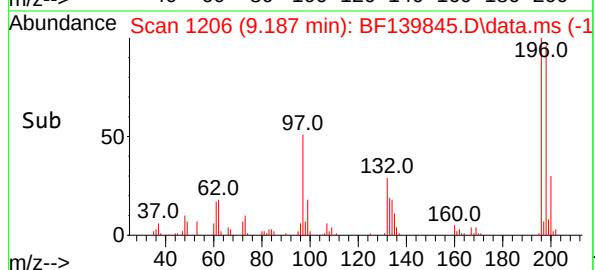
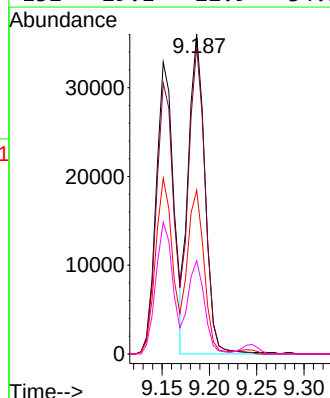
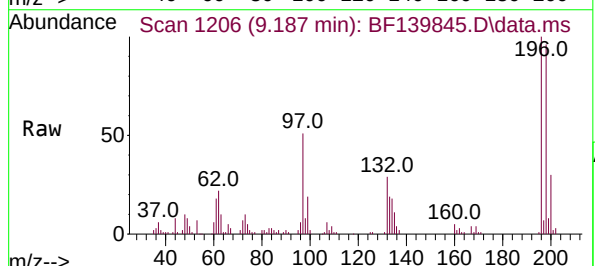
Ion Ratio Lower Upper

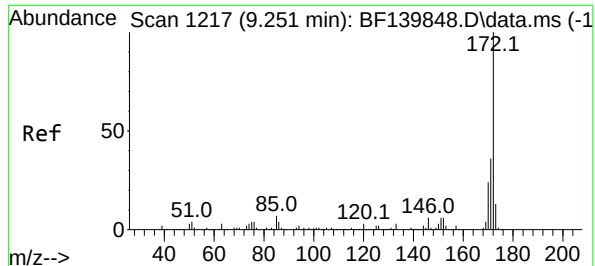
196 100

198 96.0 75.8 113.6

97 51.2 41.8 62.6

132 29.1 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 12.492 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

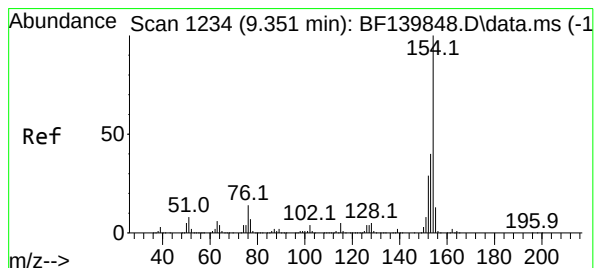
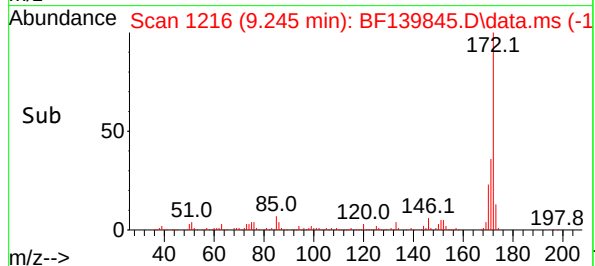
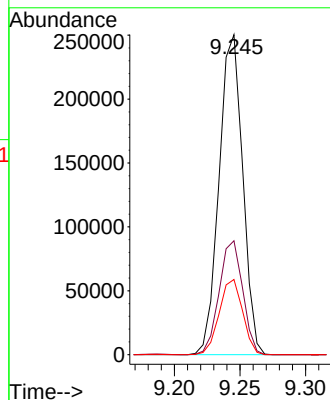
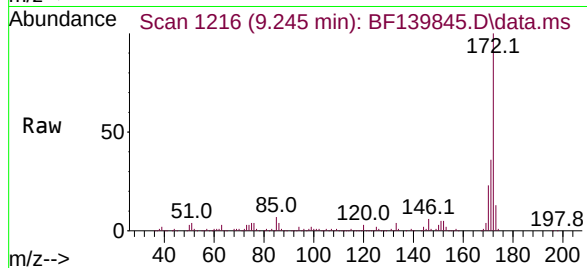
Tgt Ion:172 Resp: 313171

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 5.891 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

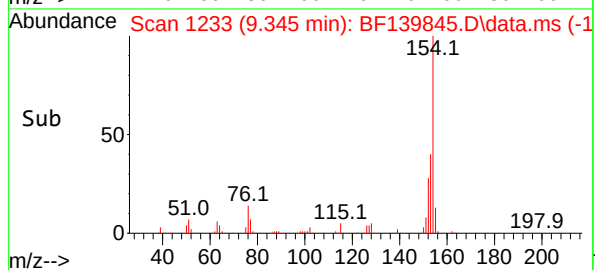
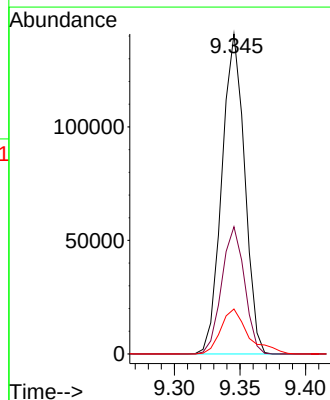
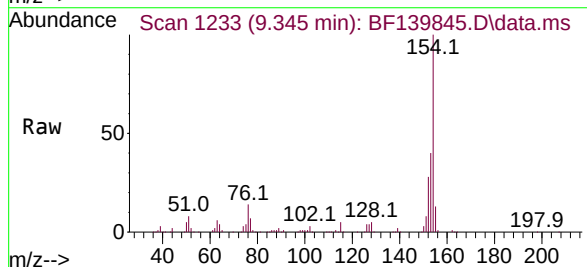
Tgt Ion:154 Resp: 169920

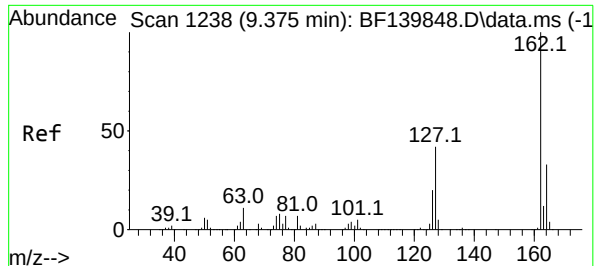
Ion Ratio Lower Upper

154 100

153 39.7 20.3 60.3

76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 5.745 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

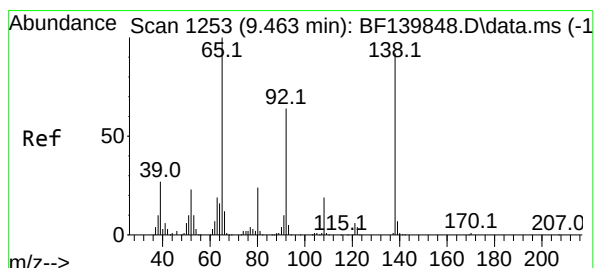
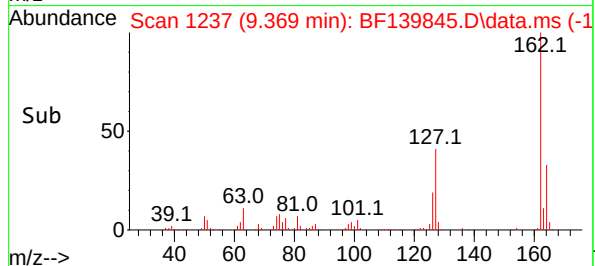
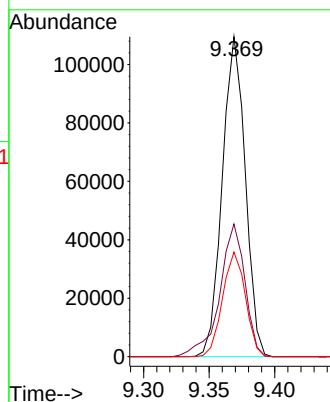
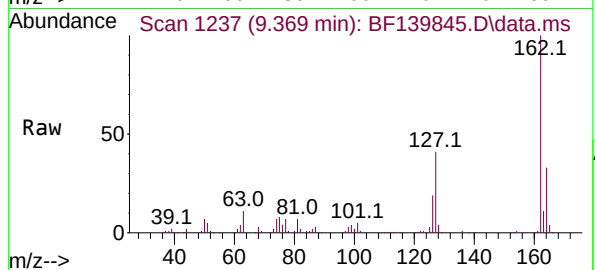
Tgt Ion:162 Resp: 133456

Ion Ratio Lower Upper

162 100

127 41.4 33.8 50.6

164 32.7 26.6 39.8



#48

2-Nitroaniline

Concen: 4.363 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

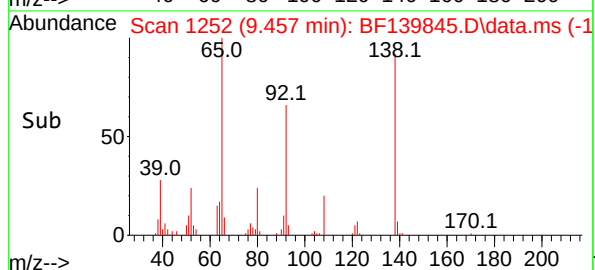
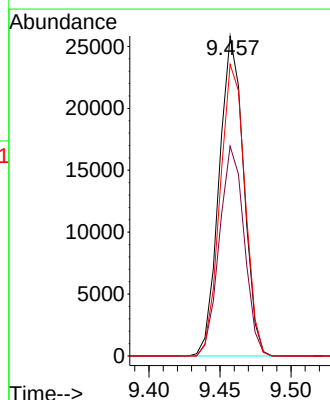
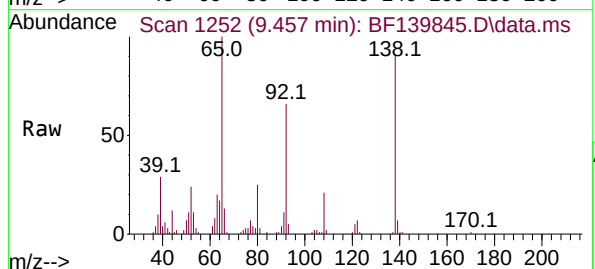
Tgt Ion: 65 Resp: 30999

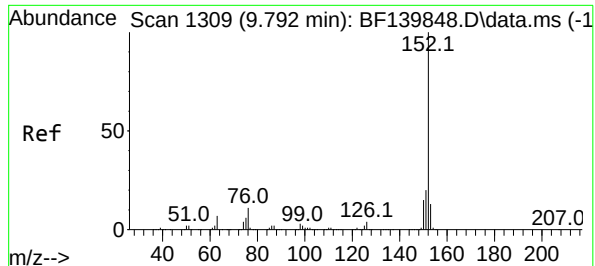
Ion Ratio Lower Upper

65 100

92 65.6 50.9 76.3

138 91.1 73.4 110.0





#49

Acenaphthylene

Concen: 5.717 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

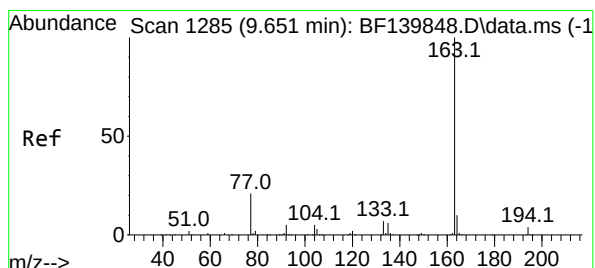
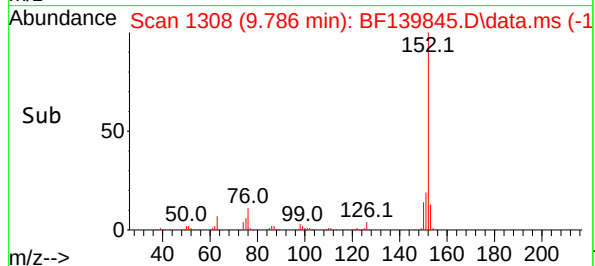
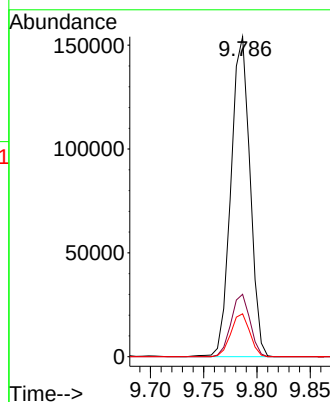
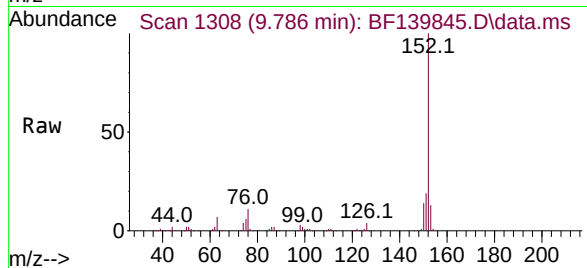
Tgt Ion:152 Resp: 192014

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 13.4 10.7 16.1



#50

Dimethylphthalate

Concen: 5.661 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

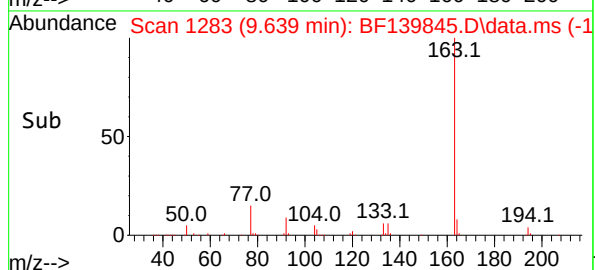
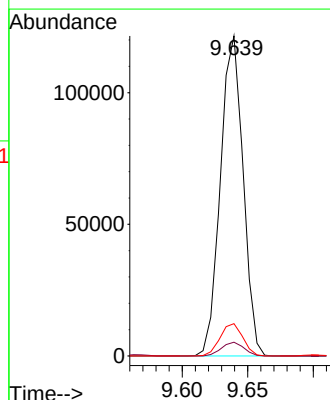
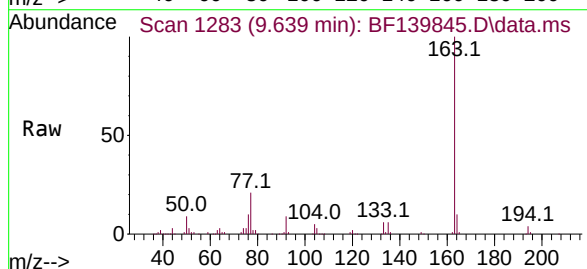
Tgt Ion:163 Resp: 146096

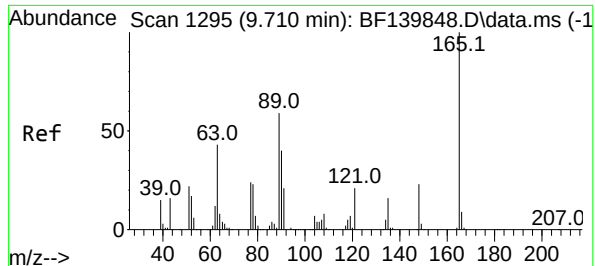
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.1 8.2 12.2

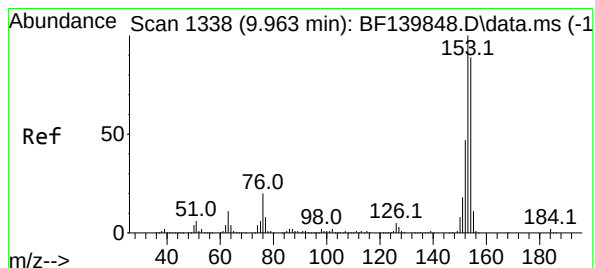
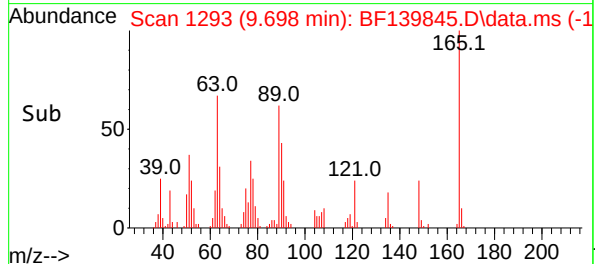
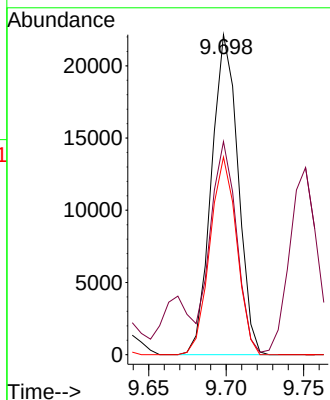
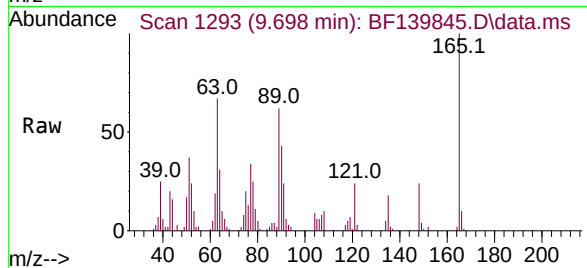




#51
2,6-Dinitrotoluene
Concen: 4.741 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

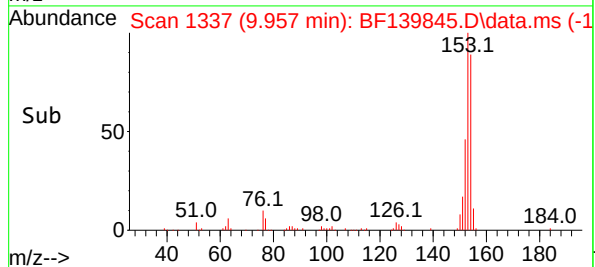
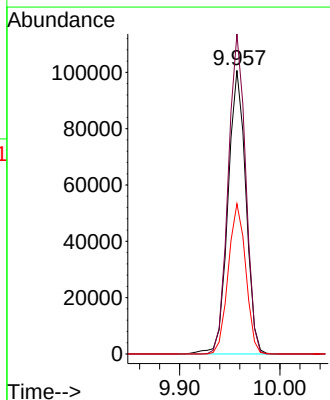
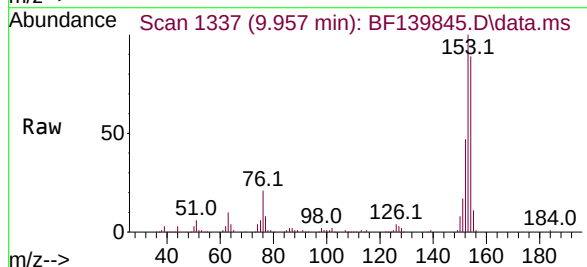
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

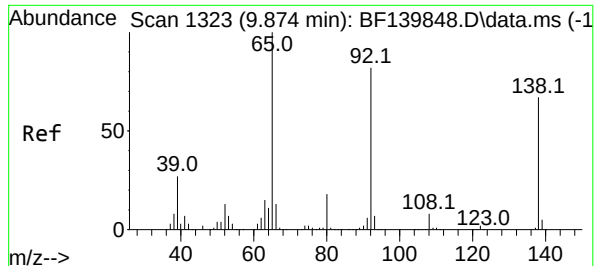
Tgt Ion:165 Resp: 26490
Ion Ratio Lower Upper
165 100
63 66.6 50.6 75.8
89 61.8 47.5 71.3



#52
Acenaphthene
Concen: 5.721 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:154 Resp: 124288
Ion Ratio Lower Upper
154 100
153 112.9 89.8 134.6
152 53.0 42.4 63.6

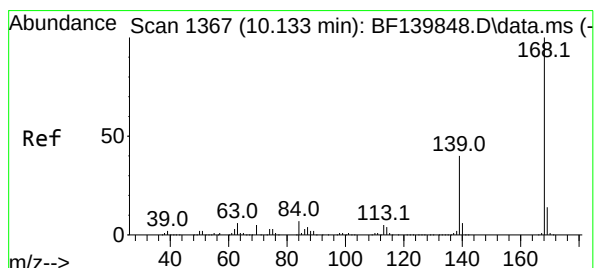
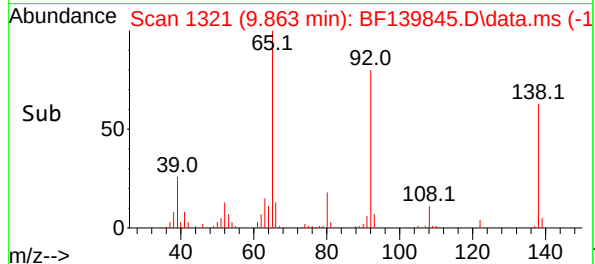
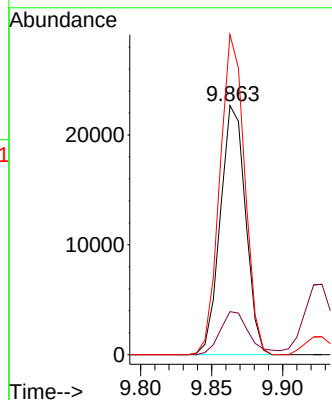
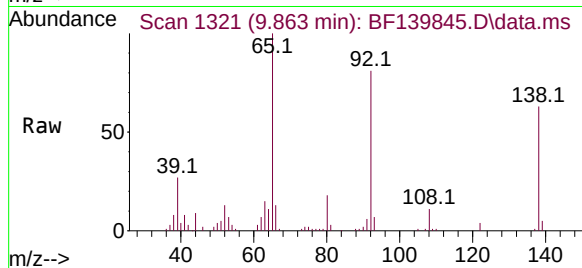




#53
3-Nitroaniline
Concen: 4.858 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

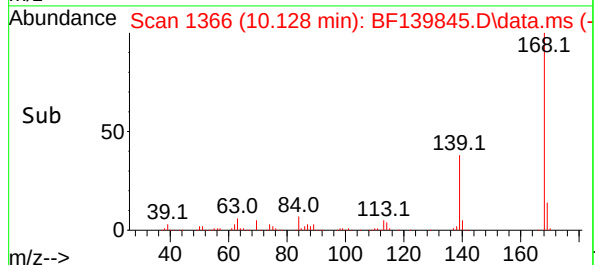
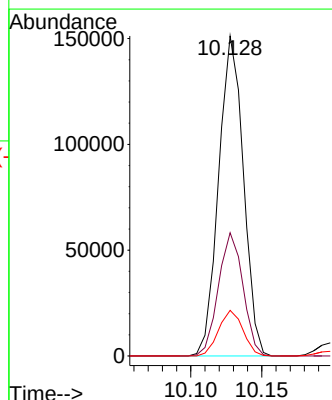
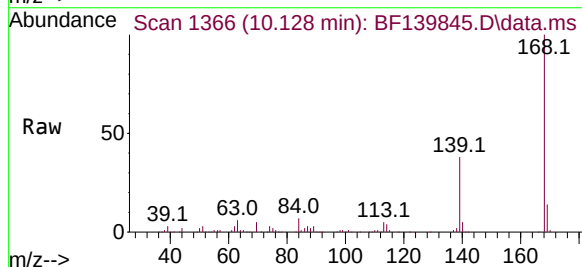
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

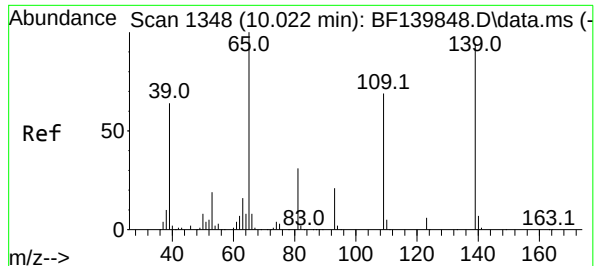
Tgt Ion:138 Resp: 27995
Ion Ratio Lower Upper
138 100
108 17.3 10.2 15.2#
92 128.5 98.3 147.5



#55
Dibenzofuran
Concen: 5.870 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:168 Resp: 182985
Ion Ratio Lower Upper
168 100
139 38.5 31.8 47.6
169 14.3 11.6 17.4

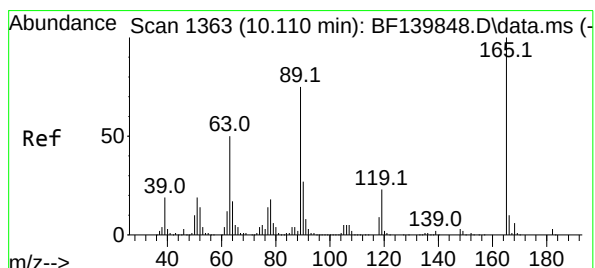
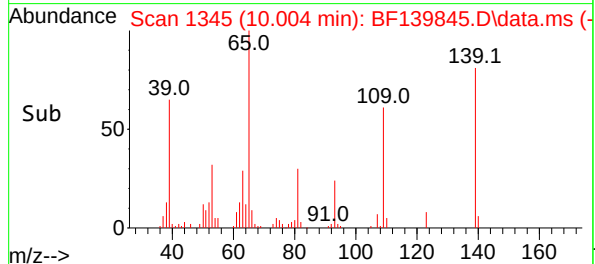
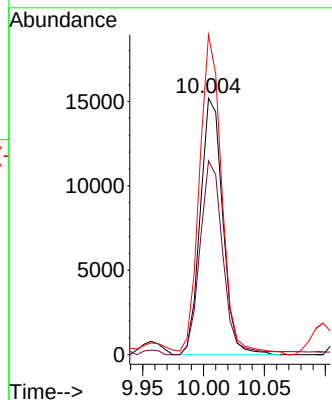
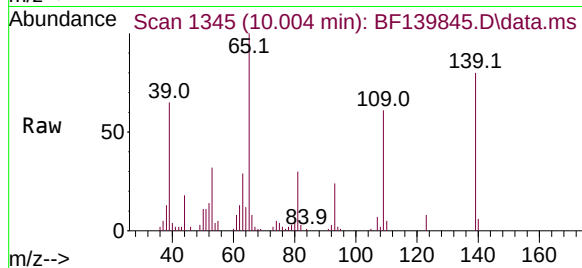




#56
4-Nitrophenol
Concen: 4.376 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

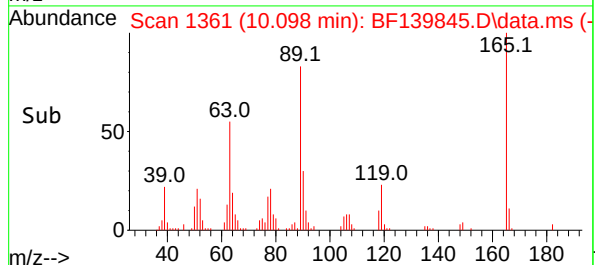
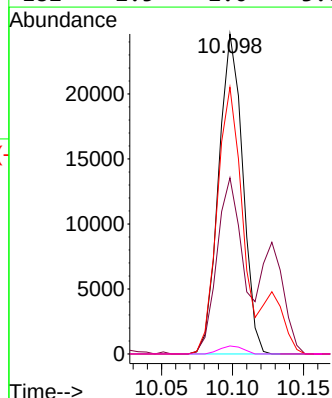
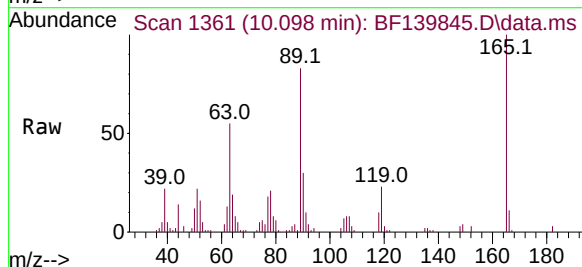
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

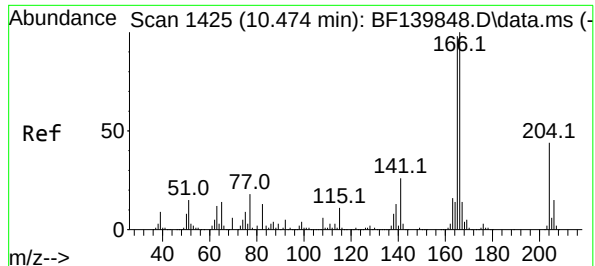
Tgt Ion:139 Resp: 19402
Ion Ratio Lower Upper
139 100
109 75.6 53.6 93.6
65 124.8 87.8 127.8



#57
2,4-Dinitrotoluene
Concen: 4.226 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:165 Resp: 29038
Ion Ratio Lower Upper
165 100
63 55.0 40.1 60.1
89 83.3 60.4 90.6
182 2.5 2.0 3.0

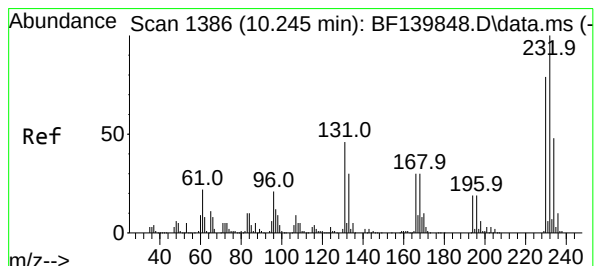
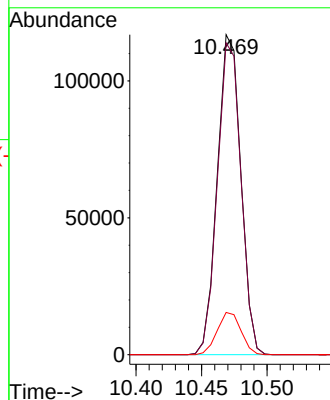
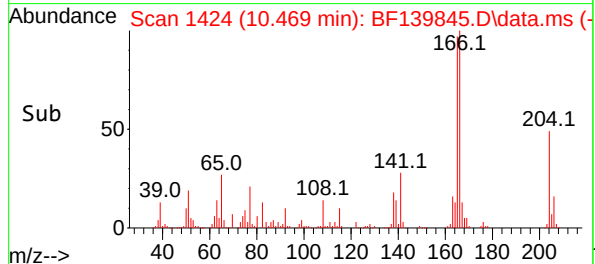
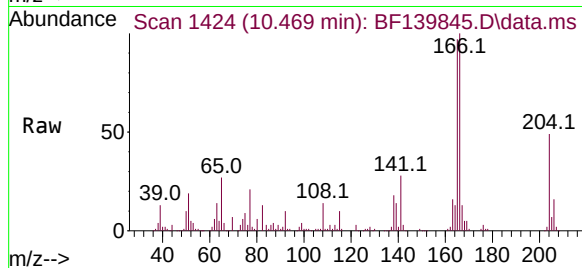




#58
Fluorene
Concen: 6.146 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

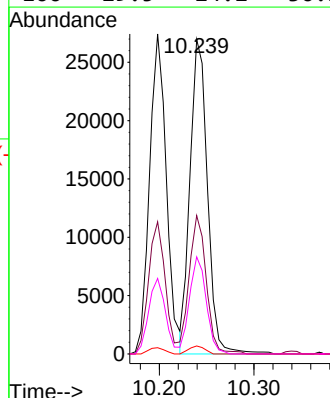
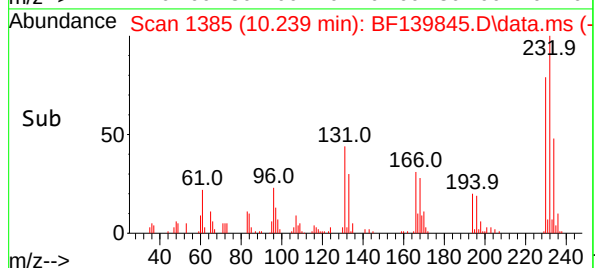
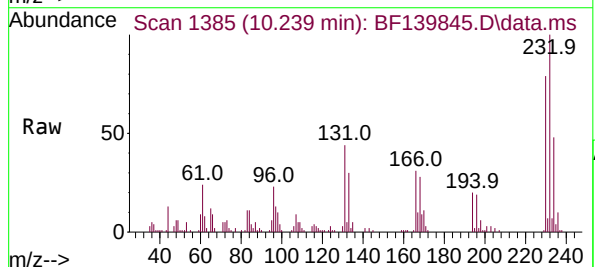
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

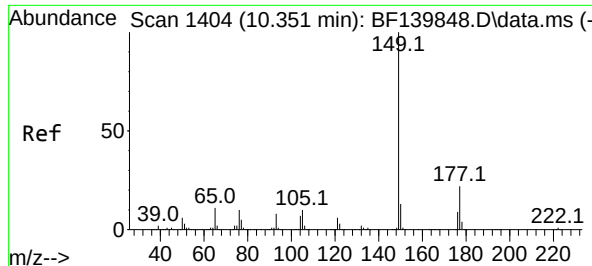
Tgt Ion:166 Resp: 145913
Ion Ratio Lower Upper
166 100
165 97.5 78.5 117.7
167 13.2 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 5.411 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:232 Resp: 34636
Ion Ratio Lower Upper
232 100
131 43.7 37.0 55.6
130 2.3 1.9 2.9
166 29.5 24.2 36.2

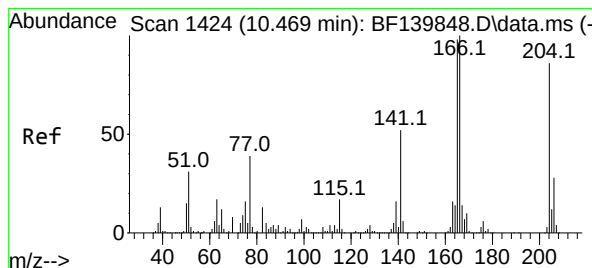
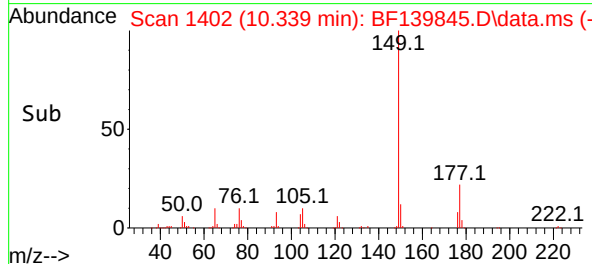
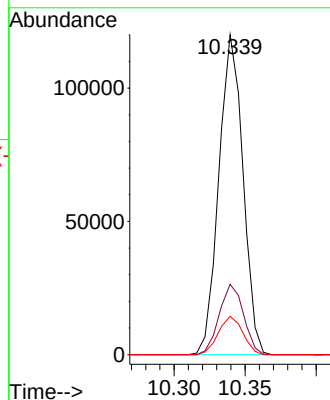
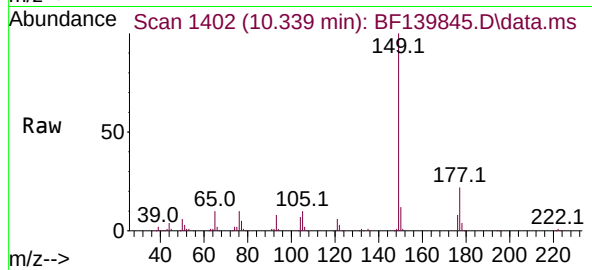




#60
Diethylphthalate
Concen: 5.583 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

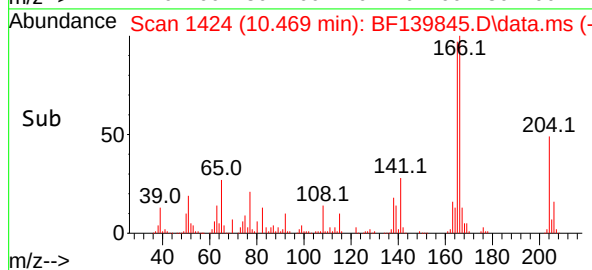
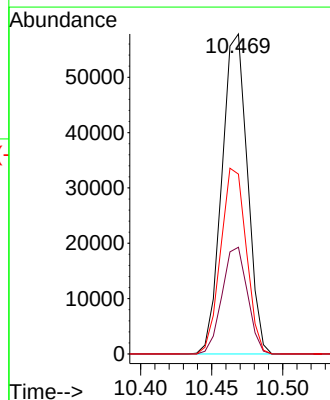
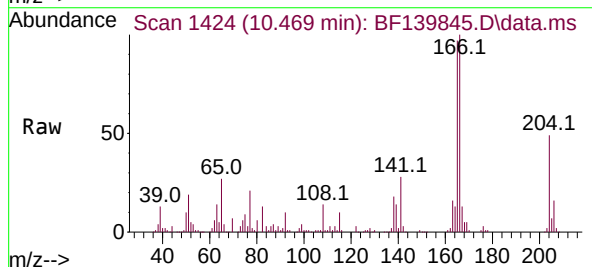
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

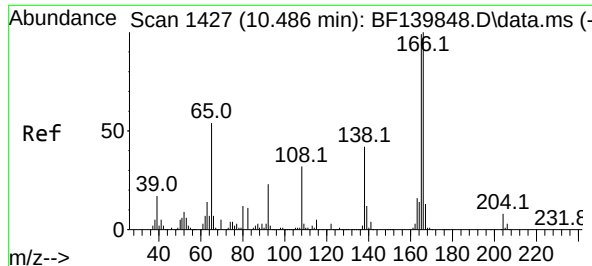
Tgt Ion:149 Resp: 141466
Ion Ratio Lower Upper
149 100
177 22.0 17.9 26.9
150 12.0 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 6.033 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:204 Resp: 72331
Ion Ratio Lower Upper
204 100
206 33.3 26.3 39.5
141 56.2 48.6 73.0

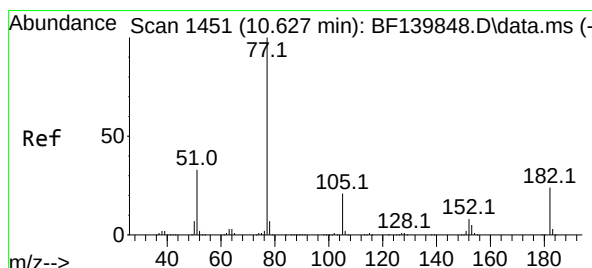
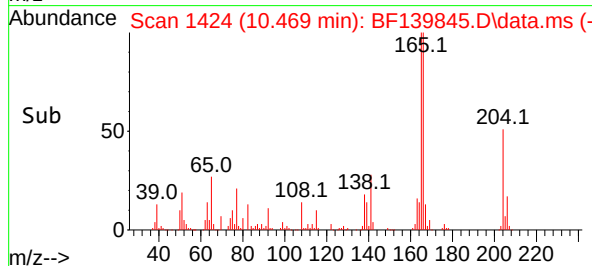
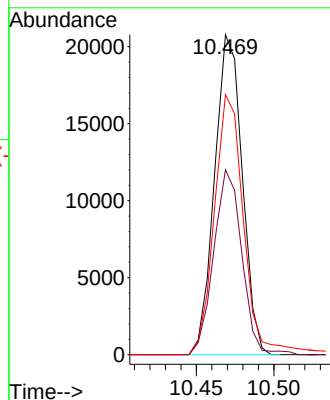
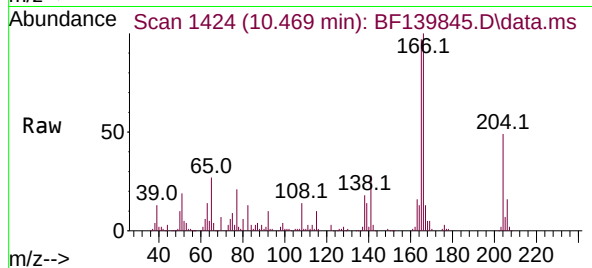




#62
4-Nitroaniline
Concen: 4.731 ng
RT: 10.469 min Scan# 1427
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

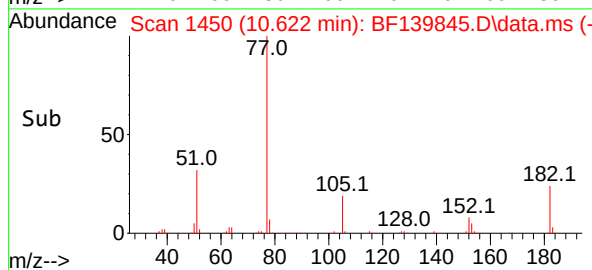
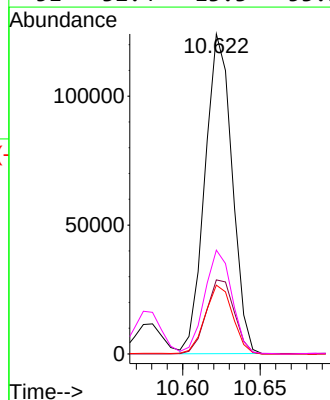
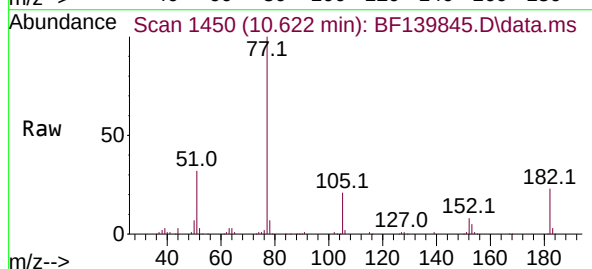
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

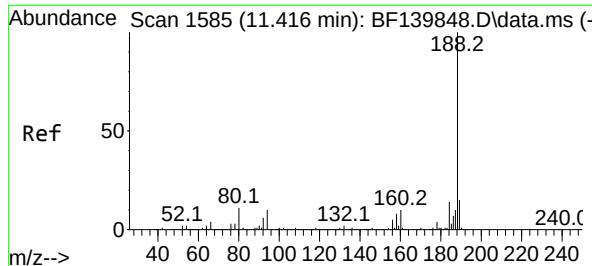
Tgt Ion:138 Resp: 25747
Ion Ratio Lower Upper
138 100
92 57.8 35.7 75.7
108 81.3 57.5 97.5



#63
Azobenzene
Concen: 5.627 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 77 Resp: 151158
Ion Ratio Lower Upper
77 100
182 23.2 3.3 43.3
105 21.5 1.2 41.2
51 32.4 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

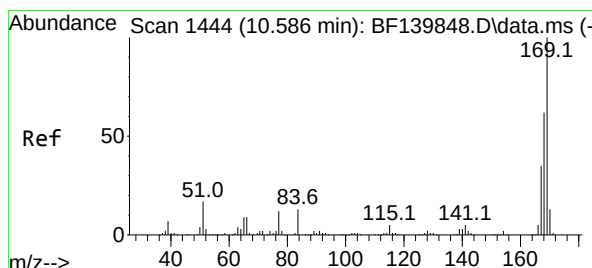
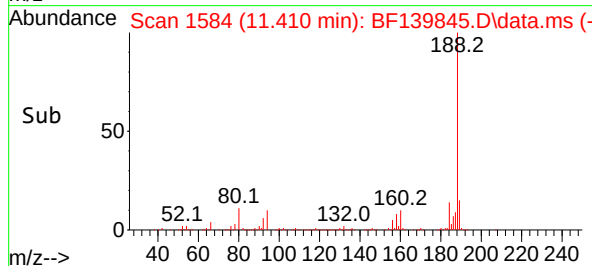
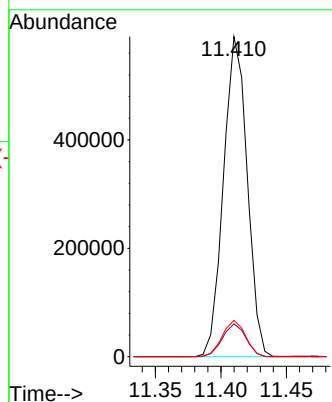
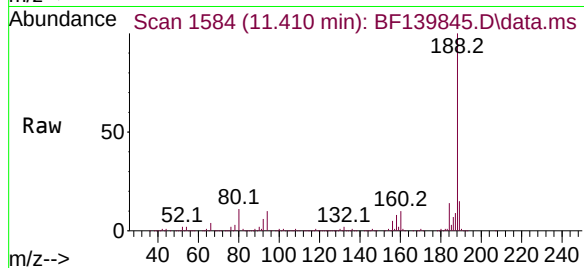
Tgt Ion:188 Resp: 741430

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.4 9.0 13.4



#66

n-Nitrosodiphenylamine

Concen: 5.609 ng

RT: 10.581 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

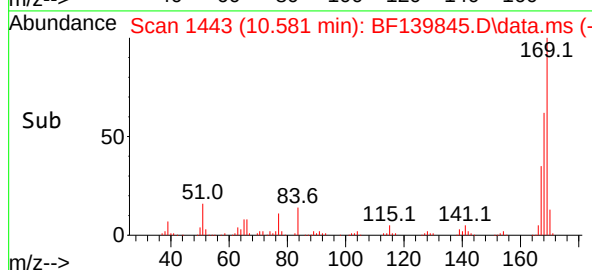
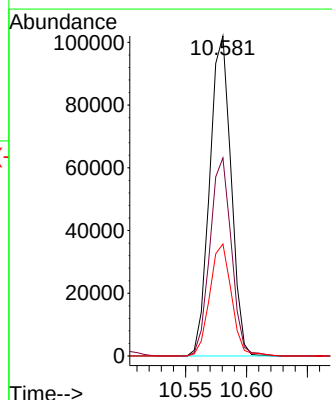
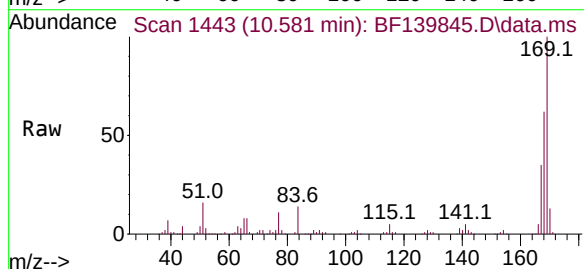
Tgt Ion:169 Resp: 124472

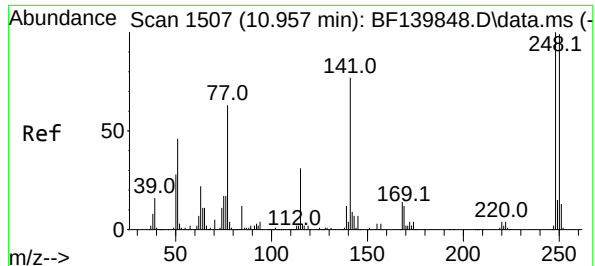
Ion Ratio Lower Upper

169 100

168 61.9 49.8 74.6

167 35.0 28.0 42.0

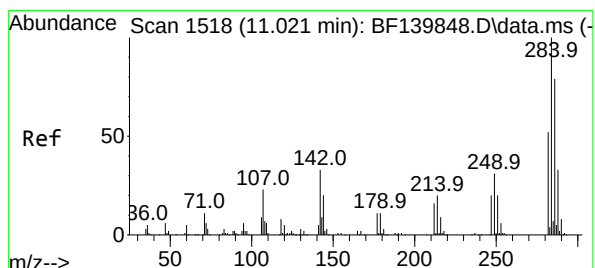
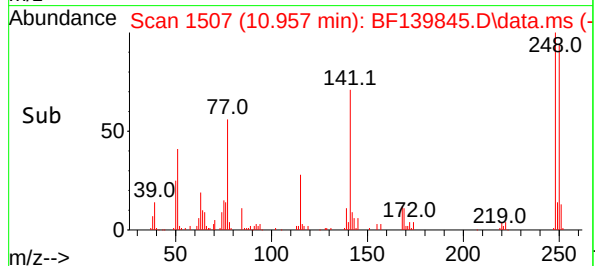
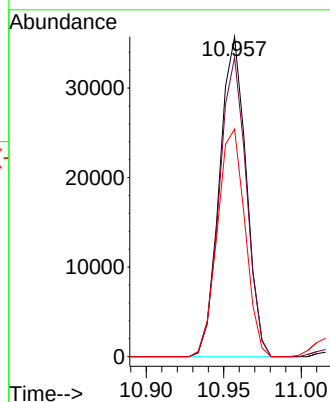
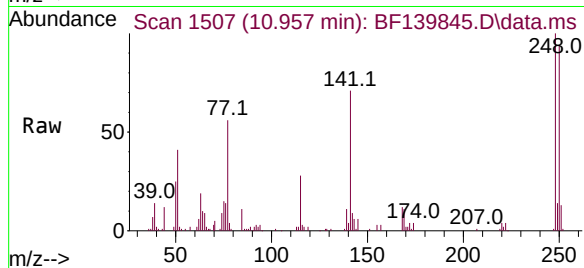




#67
4-Bromophenyl-phenylether
Concen: 5.591 ng
RT: 10.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

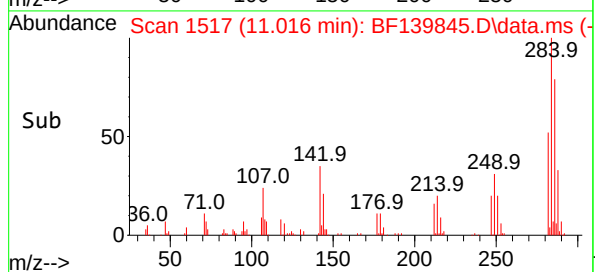
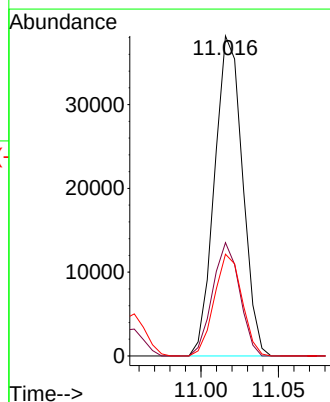
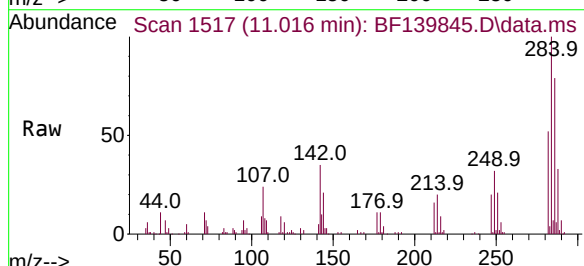
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

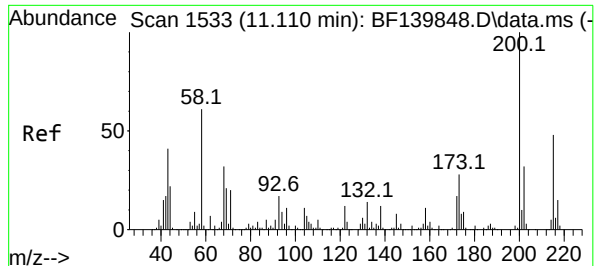
Tgt Ion:248 Resp: 42707
Ion Ratio Lower Upper
248 100
250 93.5 79.0 118.6
141 71.1 61.7 92.5



#68
Hexachlorobenzene
Concen: 5.575 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:284 Resp: 47895
Ion Ratio Lower Upper
284 100
142 35.4 26.9 40.3
249 31.8 25.3 37.9





#69

Atrazine

Concen: 5.835 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

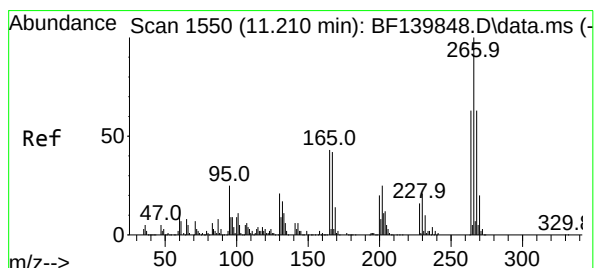
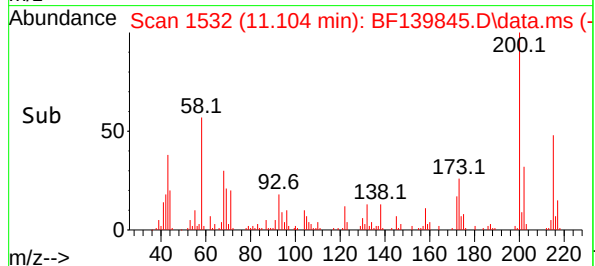
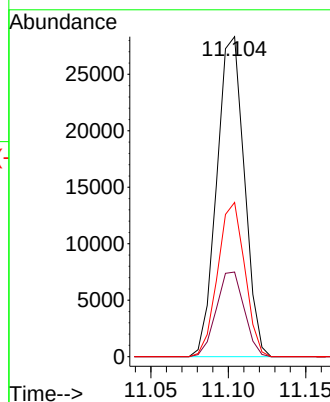
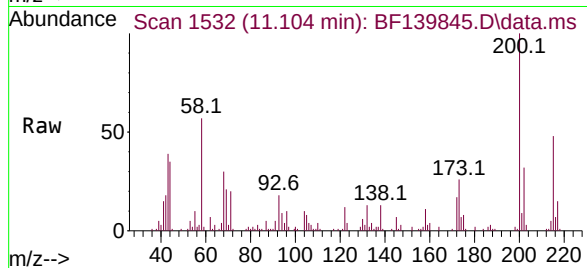
Tgt Ion:200 Resp: 35075

Ion Ratio Lower Upper

200 100

173 26.4 7.7 47.7

215 48.2 27.7 67.7



#70

Pentachlorophenol

Concen: 4.178 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

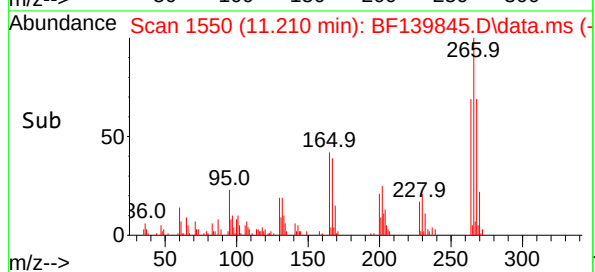
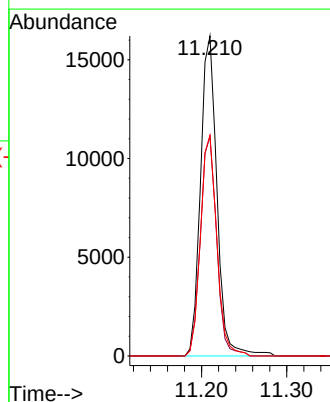
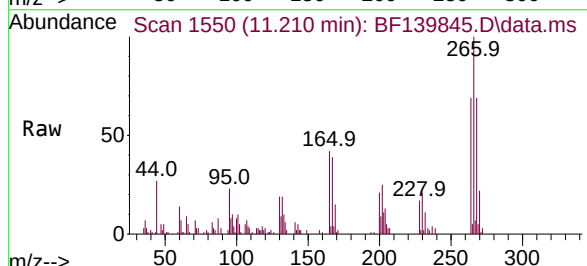
Tgt Ion:266 Resp: 21781

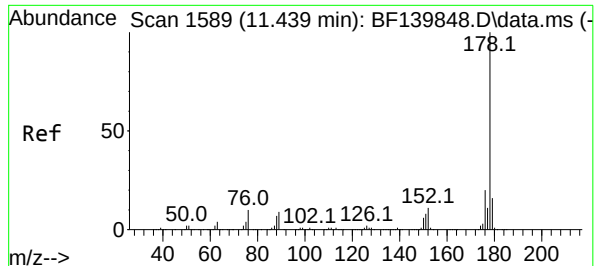
Ion Ratio Lower Upper

266 100

268 68.6 50.4 75.6

264 68.9 50.6 75.8

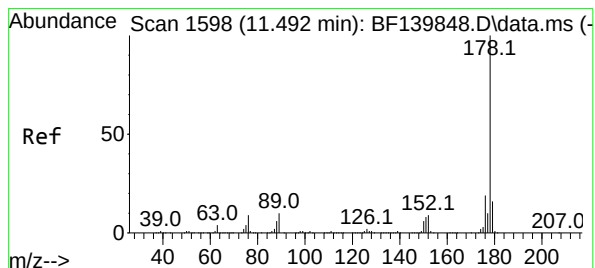
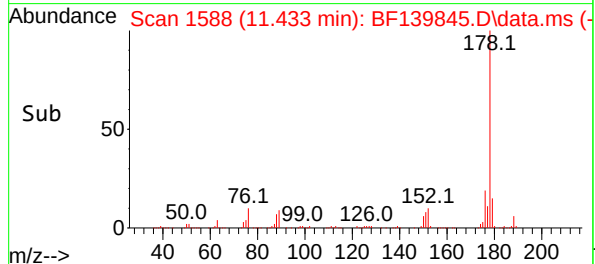
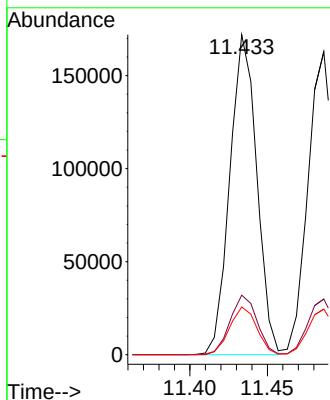
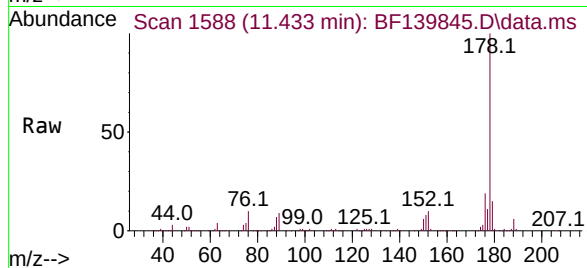




#71
Phenanthrene
Concen: 5.931 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

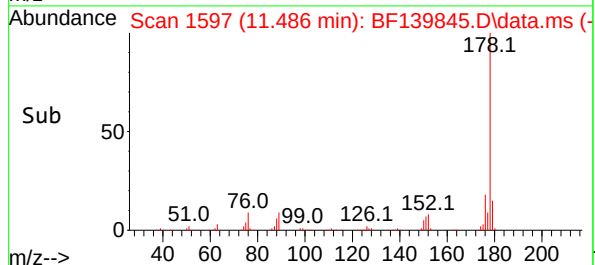
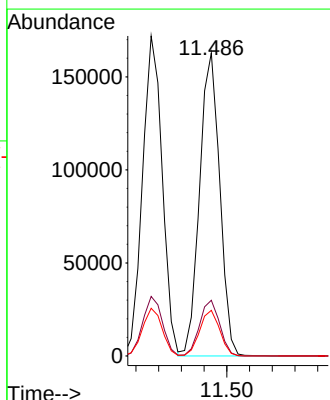
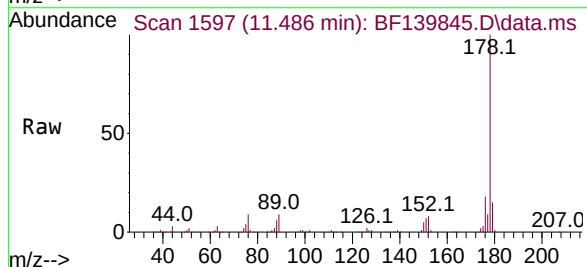
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

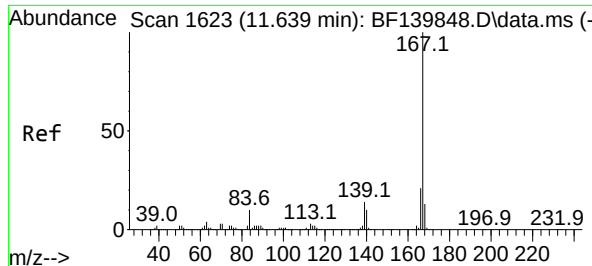
Tgt Ion:178 Resp: 207716
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 14.9 12.6 18.8



#72
Anthracene
Concen: 5.871 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:178 Resp: 200621
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.0 12.4 18.6

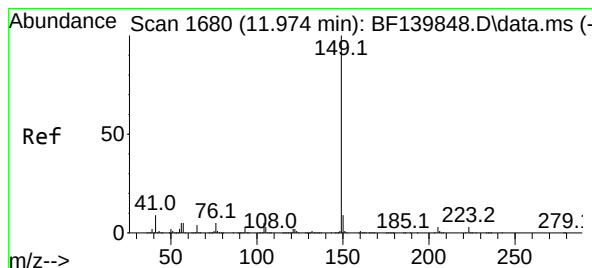
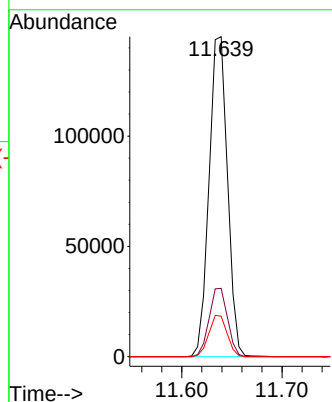
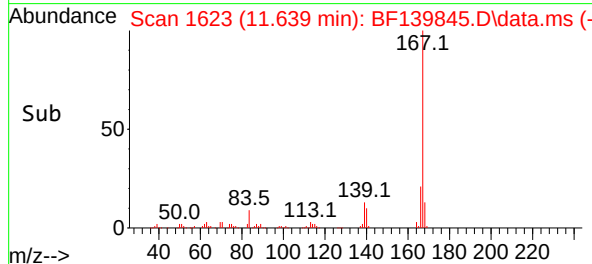
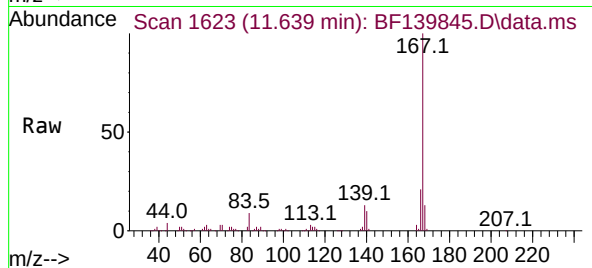




#73
Carbazole
Concen: 5.845 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

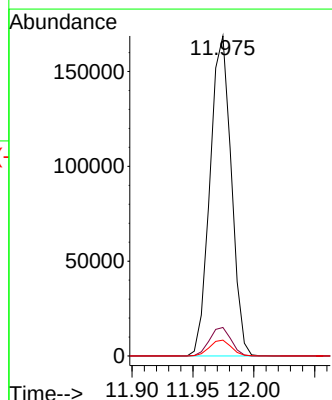
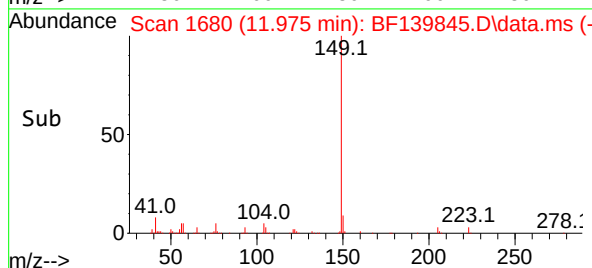
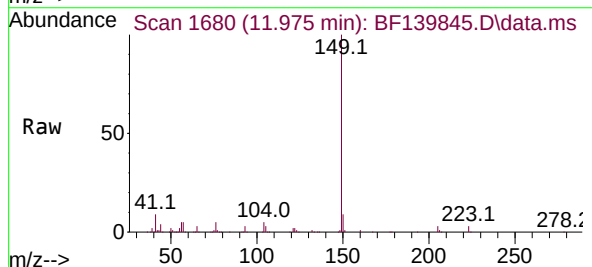
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

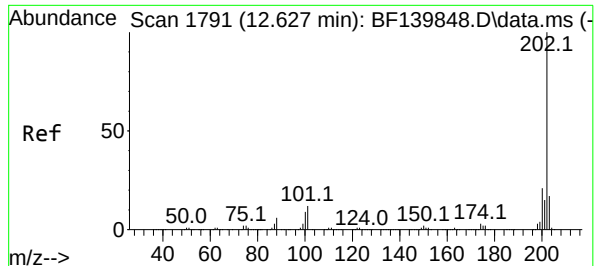
Tgt Ion:167 Resp: 185743
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 12.7 10.8 16.2



#74
Di-n-butylphthalate
Concen: 5.574 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 204647
Ion Ratio Lower Upper
149 100
150 8.9 7.5 11.3
104 5.0 4.1 6.1

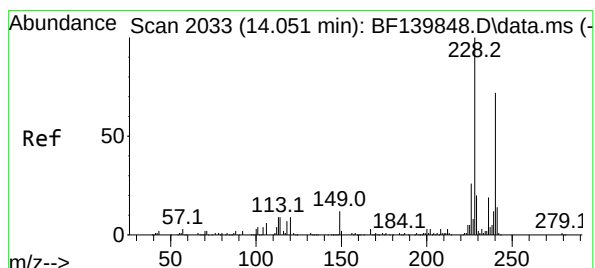
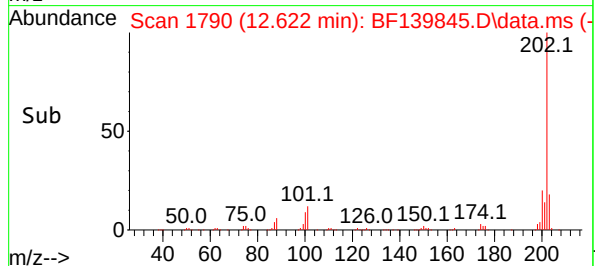
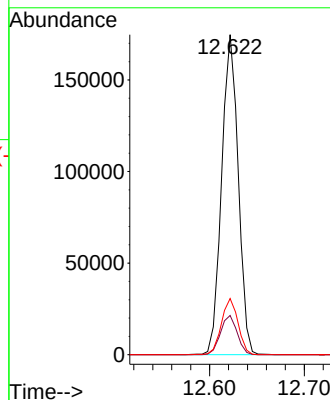
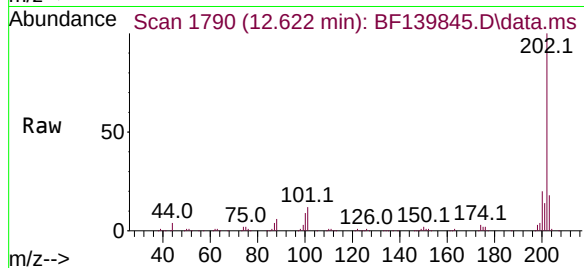




#75
Fluoranthene
Concen: 6.017 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

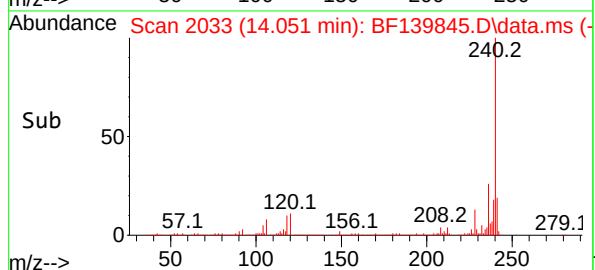
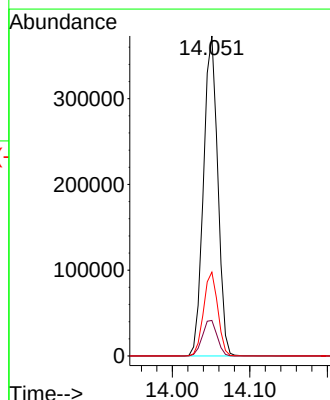
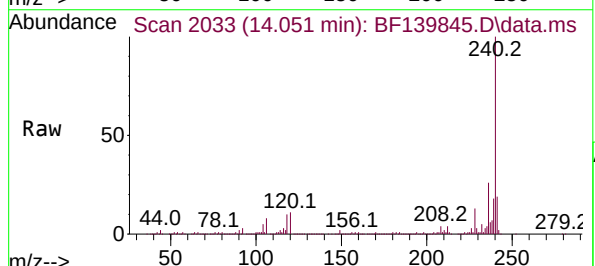
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

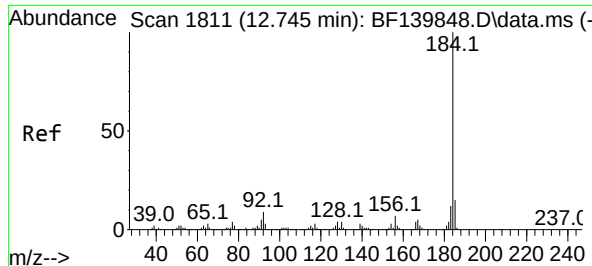
Tgt Ion:202 Resp: 213038
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:240 Resp: 477223
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.2 20.9 31.3

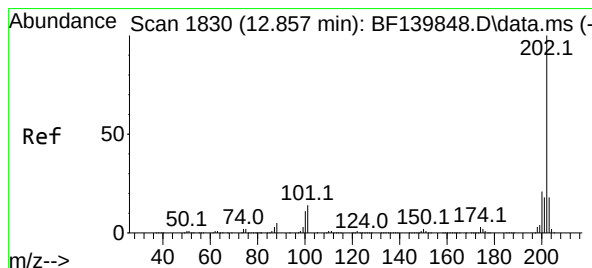
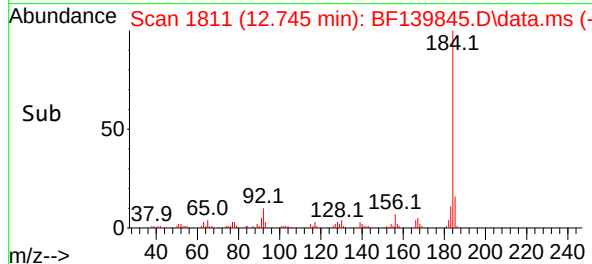
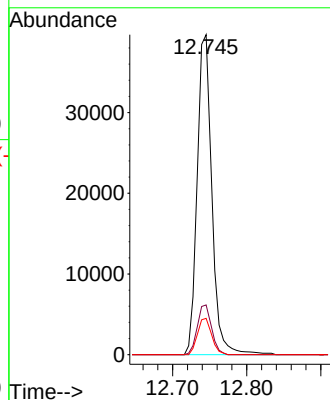
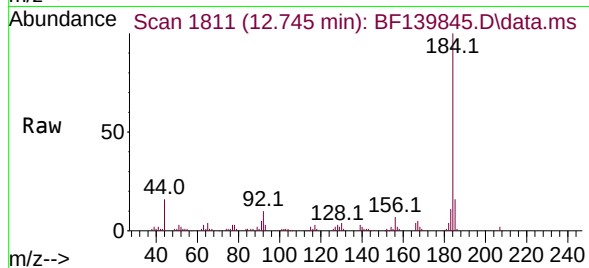




#77
Benzidine
Concen: 7.022 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

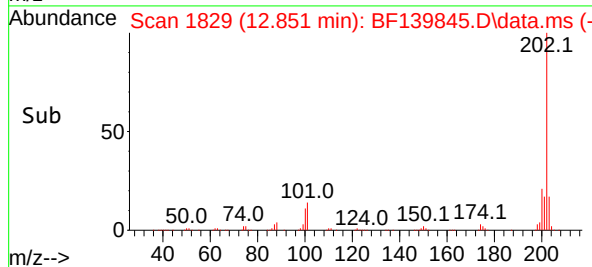
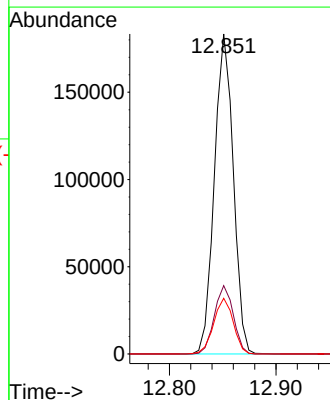
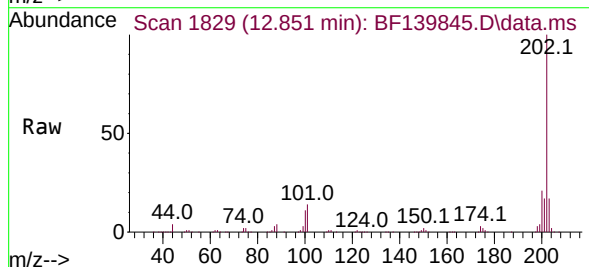
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

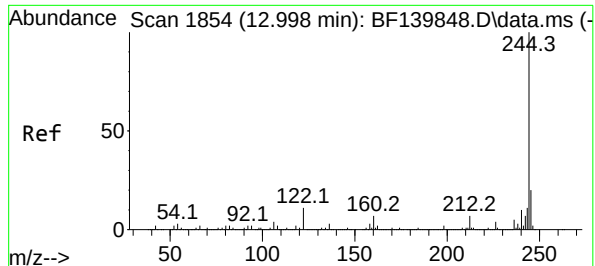
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.0	18.0
183	11.4	9.4	14.2



#78
Pyrene
Concen: 5.404 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.4	14.2	21.4





#79

Terphenyl-d14

Concen: 11.248 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

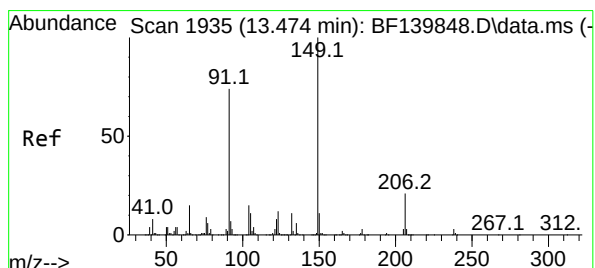
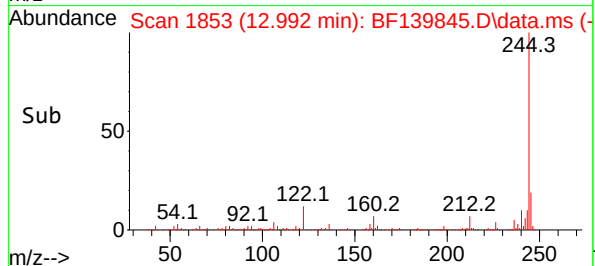
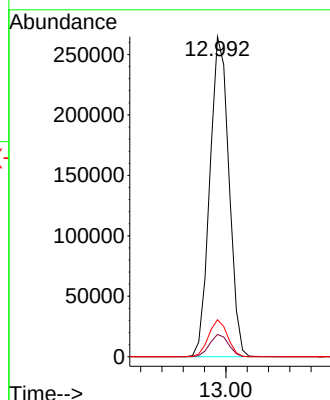
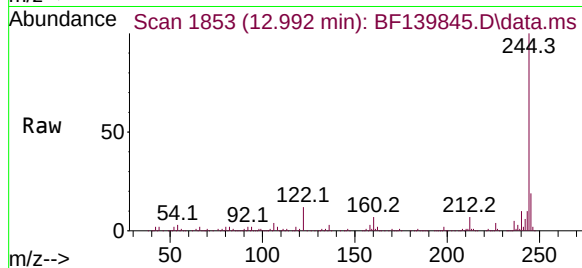
Tgt Ion:244 Resp: 329424

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 4.671 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

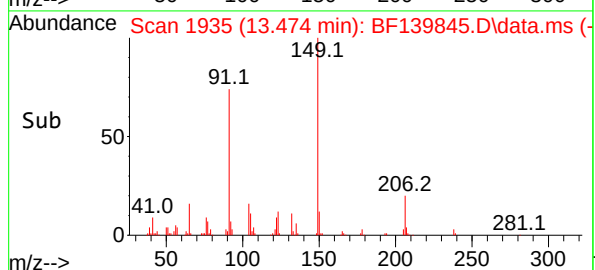
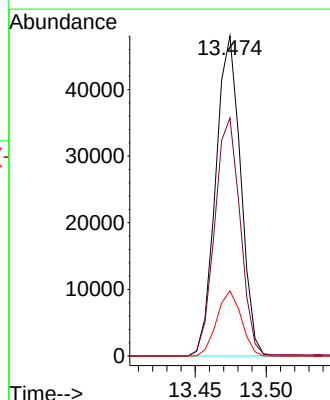
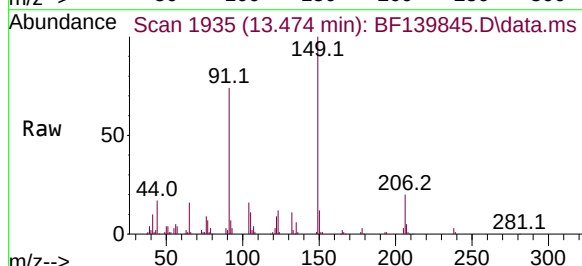
Tgt Ion:149 Resp: 58502

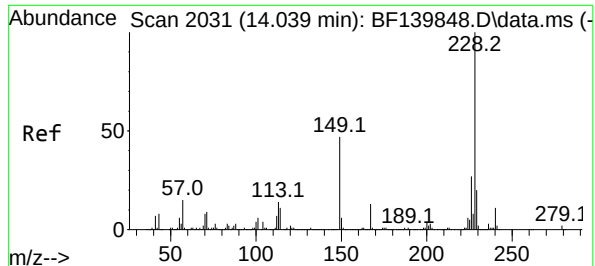
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.3 16.4 24.6

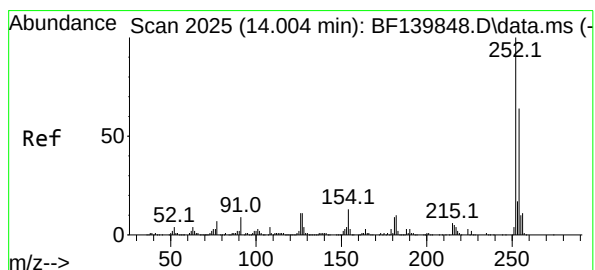
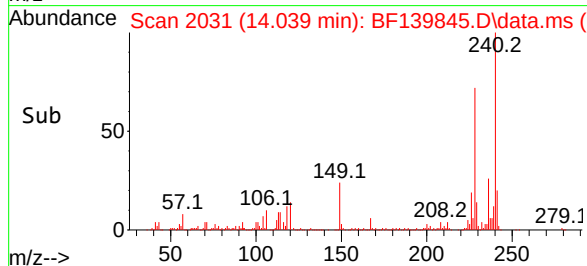
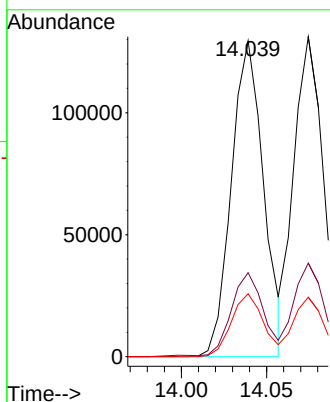
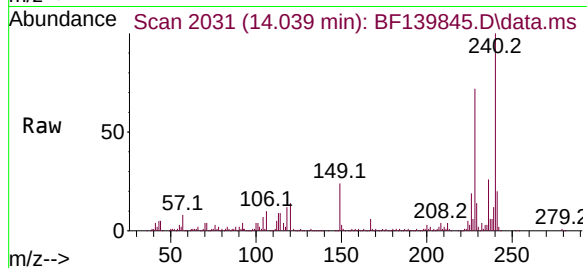




#81
Benzo(a)anthracene
Concen: 5.473 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

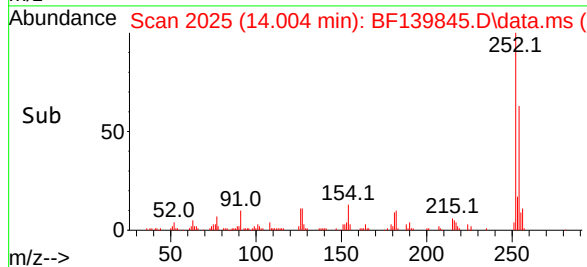
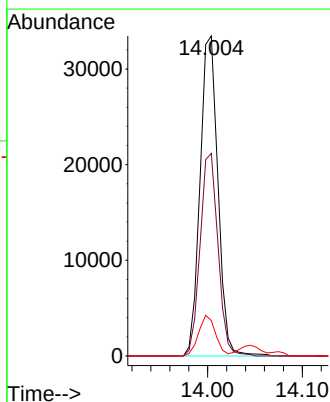
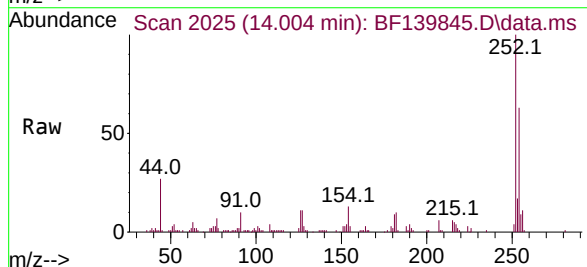
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

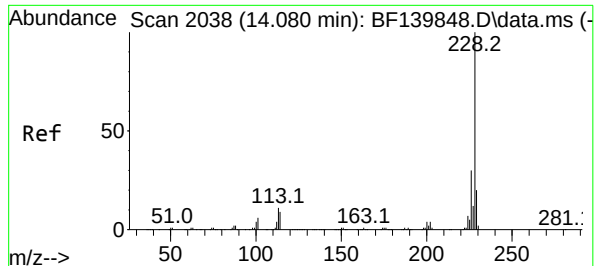
Tgt Ion:228 Resp: 170026
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.9 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 4.851 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:252 Resp: 43937
Ion Ratio Lower Upper
252 100
254 63.3 50.8 76.2
126 11.1 8.9 13.3

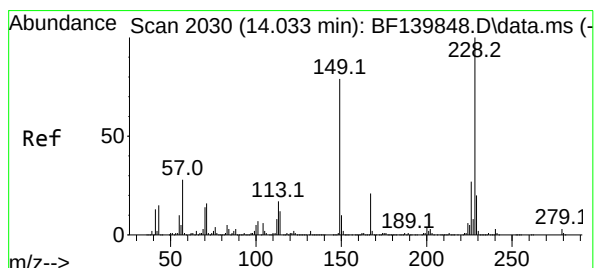
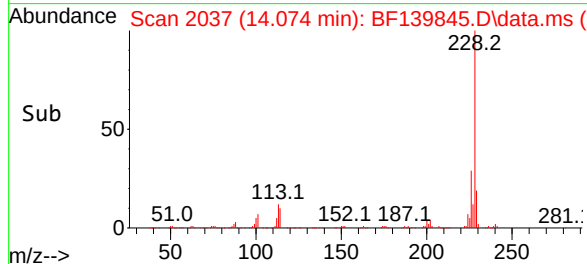
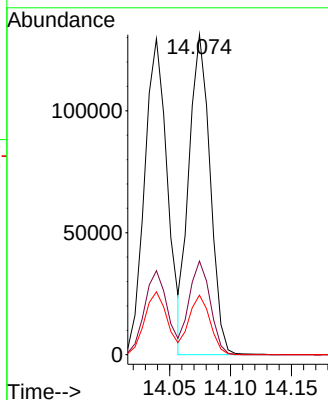
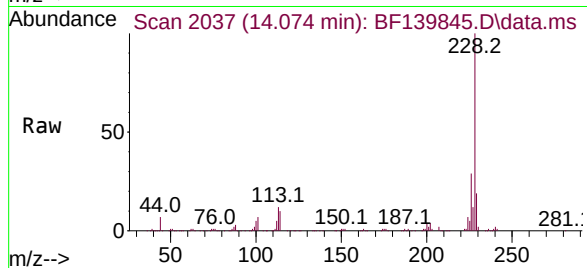




#83
Chrysene
Concen: 5.551 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

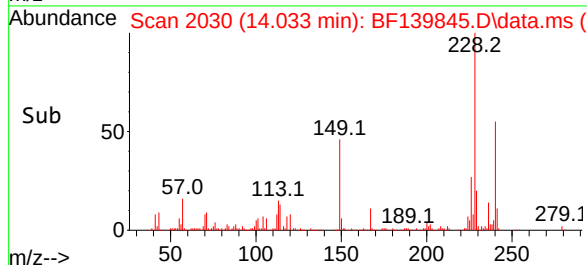
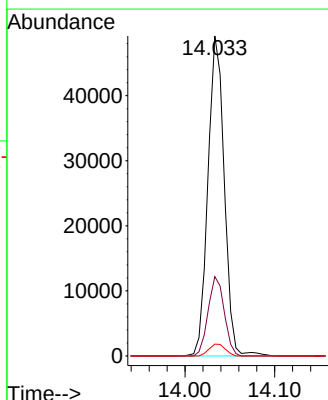
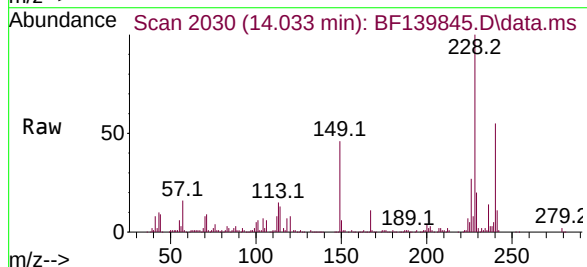
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

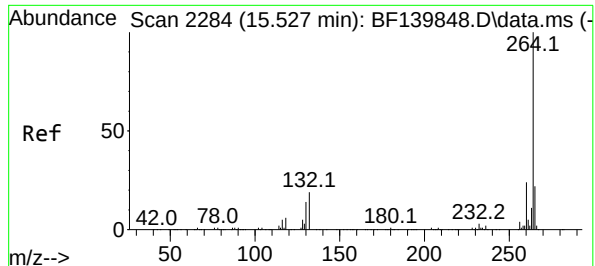
Tgt Ion:228 Resp: 158121
Ion Ratio Lower Upper
228 100
226 29.3 24.1 36.1
229 18.6 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.419 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 62085
Ion Ratio Lower Upper
149 100
167 24.8 21.4 32.0
279 3.7 3.0 4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139845.D

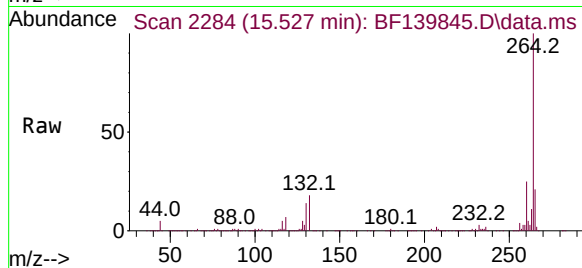
Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



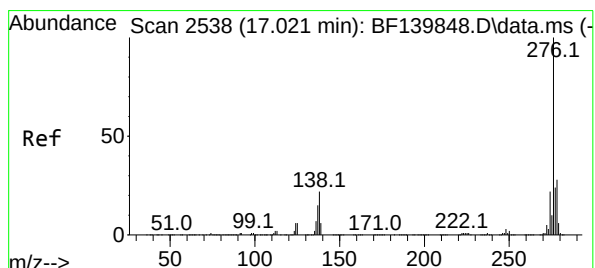
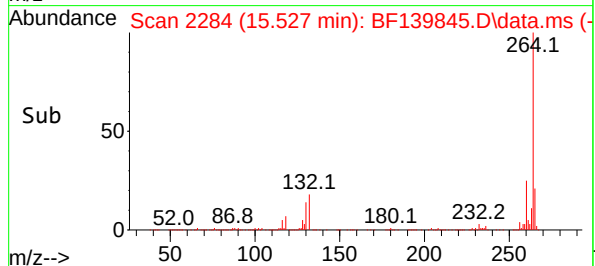
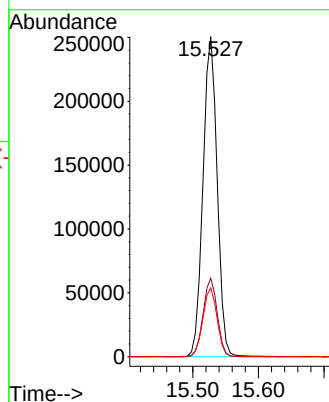
Tgt Ion:264 Resp: 377685

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.5 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.699 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

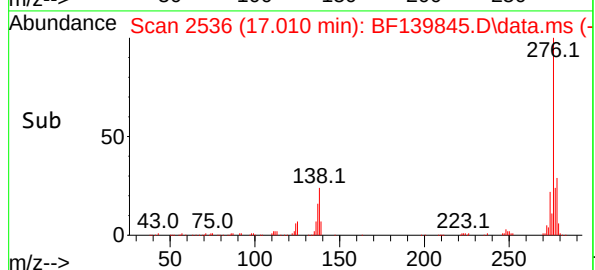
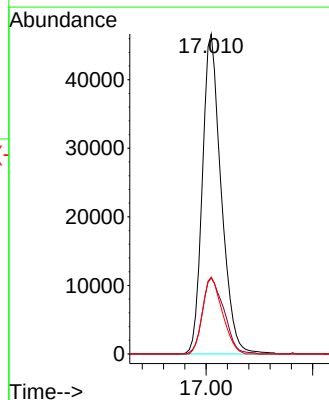
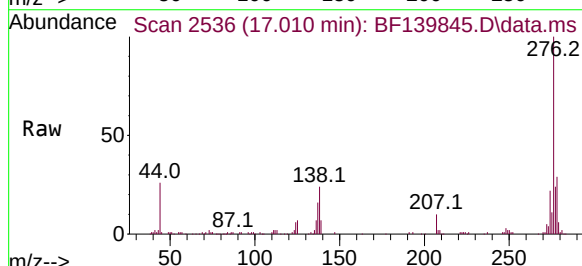
Tgt Ion:276 Resp: 114185

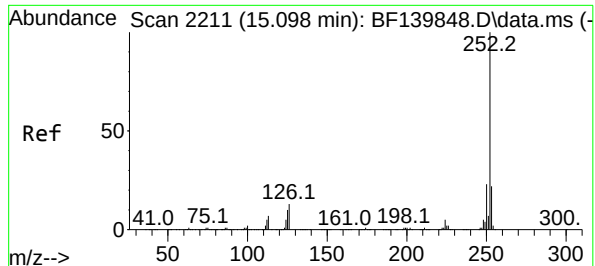
Ion Ratio Lower Upper

276 100

138 27.1 20.4 30.6

277 25.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.405 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

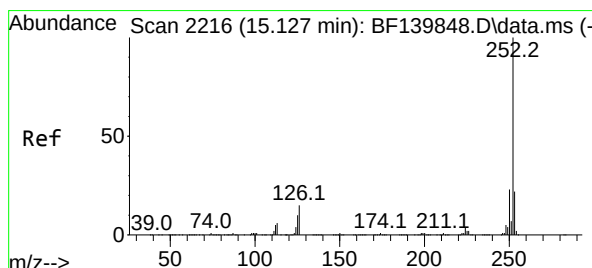
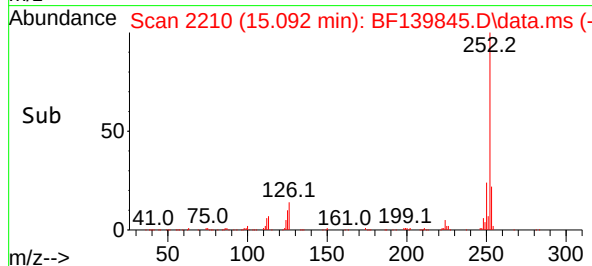
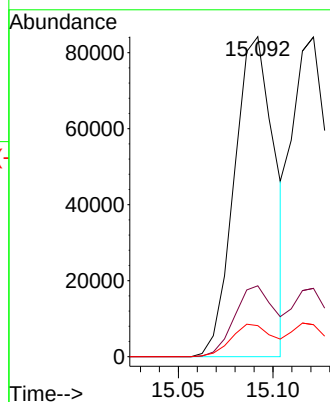
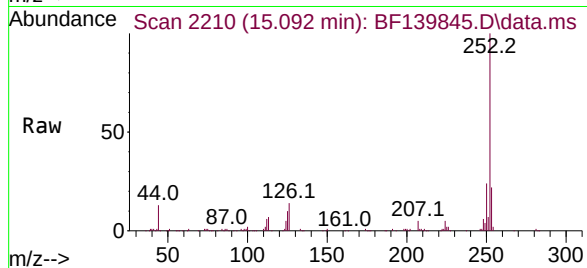
Tgt Ion:252 Resp: 124353

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.7 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 5.772 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

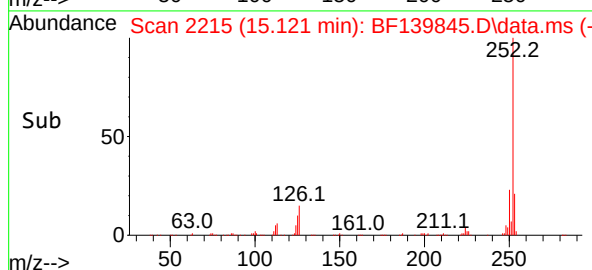
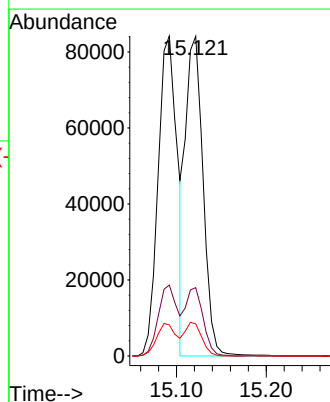
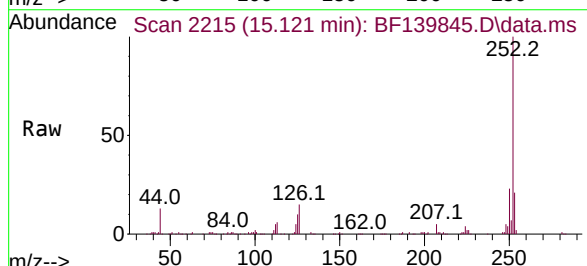
Tgt Ion:252 Resp: 114525

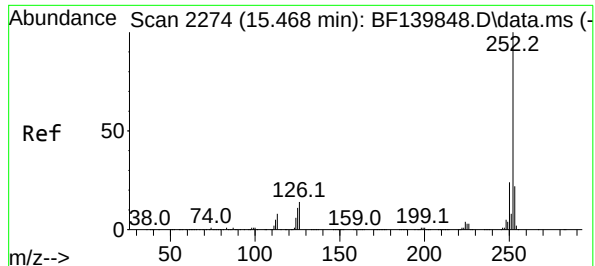
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 10.0 7.9 11.9





#90

Benzo(a)pyrene

Concen: 5.137 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

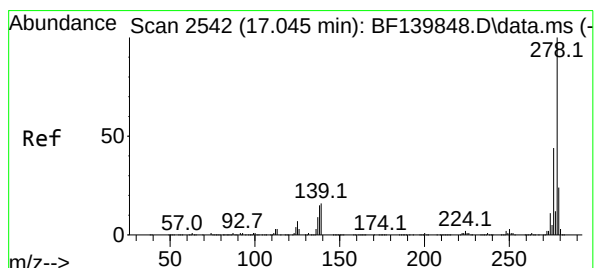
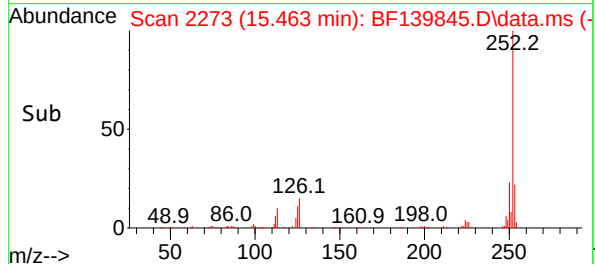
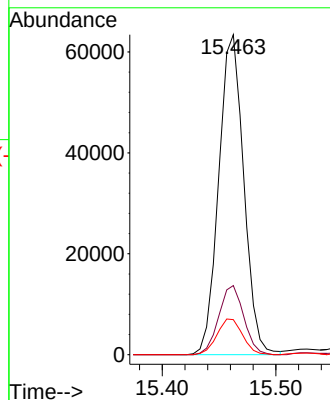
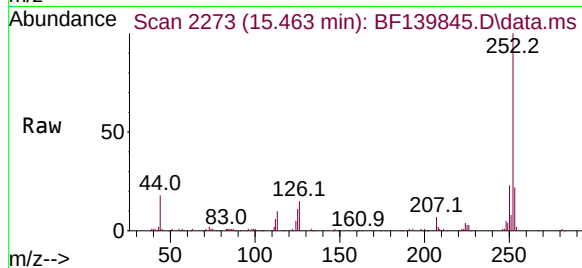
Tgt Ion:252 Resp: 97243

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.9 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 4.757 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

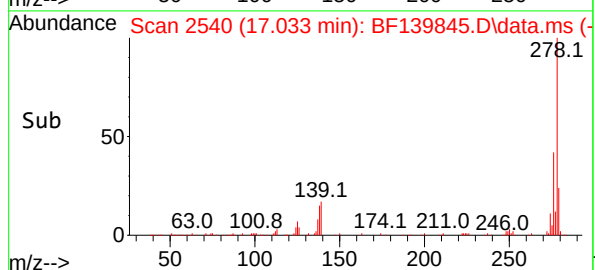
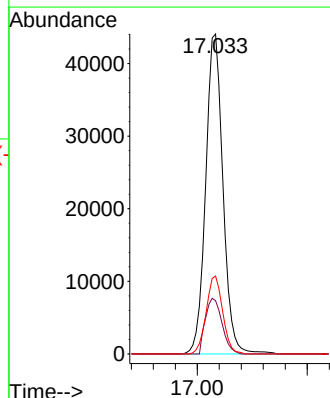
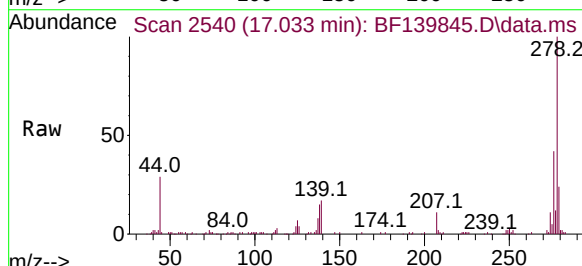
Tgt Ion:278 Resp: 96416

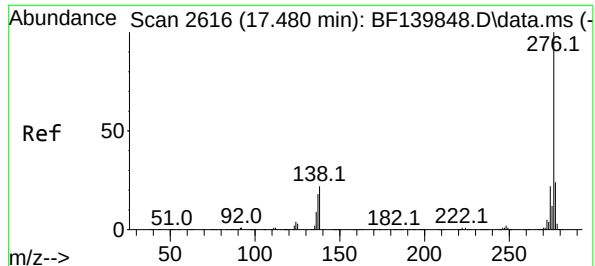
Ion Ratio Lower Upper

278 100

139 16.6 13.1 19.7

279 24.4 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 4.805 ng

RT: 17.457 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF139845.D

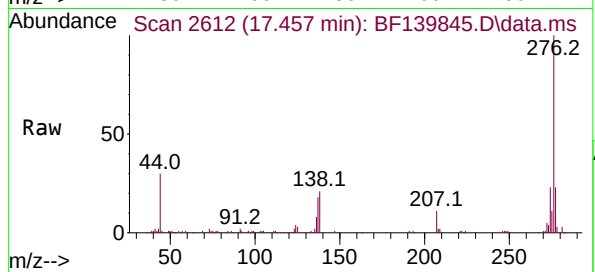
Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



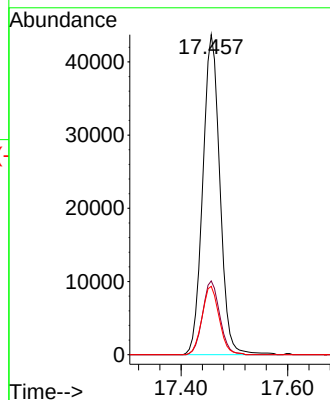
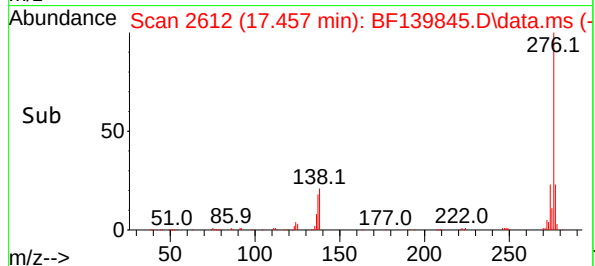
Tgt Ion:276 Resp: 97292

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 21.3 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139846.D
 Acq On : 18 Oct 2024 11:23
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Oct 18 14:17:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	188831	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	733621	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	411556	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	732661	20.000	ng	0.00
76) Chrysene-d12	14.051	240	452443	20.000	ng	0.00
86) Perylene-d12	15.527	264	375863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	264054	21.891	ng	0.00
7) Phenol-d6	6.498	99	343334	21.977	ng	-0.01
23) Nitrobenzene-d5	7.445	82	268128	20.257	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	80655	20.952	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	574563	23.073	ng	0.00
79) Terphenyl-d14	12.998	244	603787	21.745	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	58969	10.485	ng	97
3) Pyridine	3.440	79	148260	10.636	ng	97
4) n-Nitrosodimethylamine	3.375	42	75504	10.081	ng	96
6) Aniline	6.546	93	155680	10.692	ng	98
8) 2-Chlorophenol	6.669	128	134290	10.890	ng	99
9) Benzaldehyde	6.440	77	107330	12.213	ng	98
10) Phenol	6.510	94	172965	10.549	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	134367	10.794	ng	100
12) 1,3-Dichlorobenzene	6.828	146	156338	11.045	ng	99
13) 1,4-Dichlorobenzene	6.904	146	154957	10.957	ng	99
14) 1,2-Dichlorobenzene	7.057	146	149129	11.299	ng	98
15) Benzyl Alcohol	7.022	79	122669	10.704	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	227443	10.715	ng	99
17) 2-Methylphenol	7.128	107	109901	10.452	ng	98
18) Hexachloroethane	7.404	117	53892	10.686	ng	99
19) n-Nitroso-di-n-propyla...	7.293	70	100635	10.621	ng	98
20) 3+4-Methylphenols	7.275	107	148497	11.041	ng	# 90
22) Acetophenone	7.293	105	195595	10.885	ng	96
24) Nitrobenzene	7.463	77	147356	10.154	ng	98
25) Isophorone	7.698	82	260247	10.359	ng	98
26) 2-Nitrophenol	7.781	139	50159	9.162	ng	100
27) 2,4-Dimethylphenol	7.810	122	94947	10.400	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	161423	10.605	ng	99
29) 2,4-Dichlorophenol	8.016	162	109102	10.492	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	121232	10.537	ng	99
31) Naphthalene	8.192	128	411053	10.864	ng	99
32) Benzoic acid	7.869	122	64294	8.075	ng	99
33) 4-Chloroaniline	8.234	127	140021	10.853	ng	100
34) Hexachlorobutadiene	8.310	225	75740	10.477	ng	99
35) Caprolactam	8.569	113	33908	10.256	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	120339	10.452	ng	98
37) 2-Methylnaphthalene	8.881	142	252554	10.899	ng	99
38) 1-Methylnaphthalene	8.981	142	250609	11.023	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	119227	10.738	ng	99
41) Hexachlorocyclopentadiene	9.039	237	39754	10.290	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	78578	9.996	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139846.D
 Acq On : 18 Oct 2024 11:23
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Oct 18 14:17:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

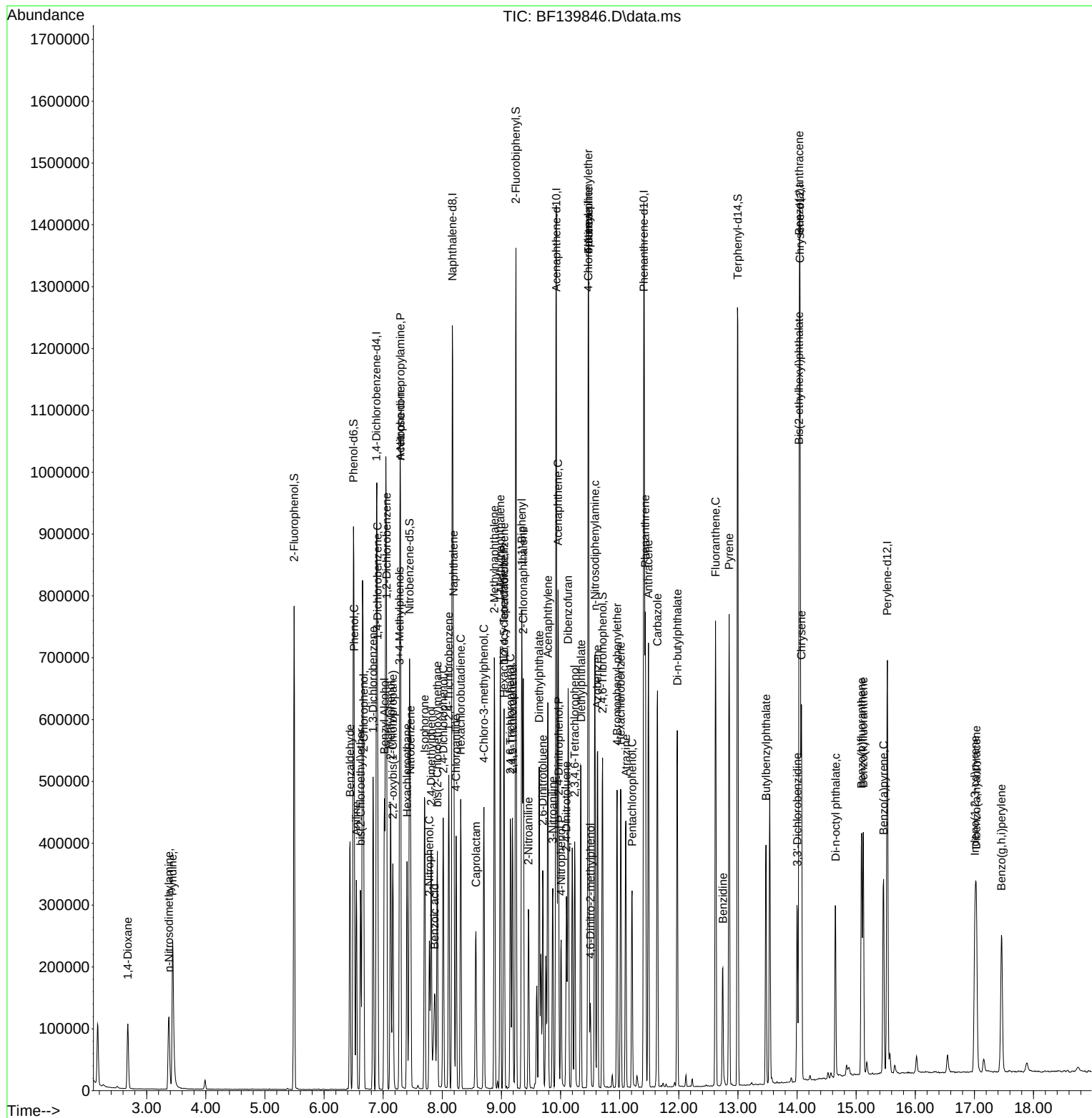
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	87482	10.787	ng	100
46) 1,1'-Biphenyl	9.345	154	316146	11.035	ng	99
47) 2-Chloronaphthalene	9.369	162	252140	10.927	ng	98
48) 2-Nitroaniline	9.457	65	65425	9.270	ng	98
49) Acenaphthylene	9.787	152	361398	10.833	ng	99
50) Dimethylphthalate	9.639	163	276645	10.792	ng	99
51) 2,6-Dinitrotoluene	9.698	165	54824	9.877	ng	95
52) Acenaphthene	9.957	154	233749	10.832	ng	98
53) 3-Nitroaniline	9.869	138	56574	9.884	ng	# 98
54) 2,4-Dinitrophenol	9.969	184	11577	11.138	ng	# 1
55) Dibenzofuran	10.128	168	341446	11.028	ng	98
56) 4-Nitrophenol	10.010	139	42688	9.694	ng	98
57) 2,4-Dinitrotoluene	10.098	165	64666	9.474	ng	94
58) Fluorene	10.475	166	269323	11.420	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	66170	10.408	ng	97
60) Diethylphthalate	10.345	149	269178	10.694	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	131191	11.016	ng	97
62) 4-Nitroaniline	10.475	138	53288	9.857	ng	98
63) Azobenzene	10.622	77	284960	10.679	ng	100
65) 4,6-Dinitro-2-methylph...	10.504	198	20120	6.732	ng	97
66) n-Nitrosodiphenylamine	10.581	169	234741	10.705	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	79420	10.522	ng	98
68) Hexachlorobenzene	11.016	284	89927	10.594	ng	98
69) Atrazine	11.104	200	64267	10.819	ng	99
70) Pentachlorophenol	11.210	266	50361	9.775	ng	100
71) Phenanthrene	11.433	178	379233	10.958	ng	99
72) Anthracene	11.486	178	371391	10.999	ng	99
73) Carbazole	11.639	167	353253	11.249	ng	99
74) Di-n-butylphthalate	11.975	149	392482	10.818	ng	99
75) Fluoranthene	12.622	202	405919	11.602	ng	99
77) Benzidine	12.745	184	104253	14.168	ng	99
78) Pyrene	12.851	202	413606	10.444	ng	99
80) Butylbenzylphthalate	13.474	149	116053	9.774	ng	100
81) Benzo(a)anthracene	14.039	228	306594	10.410	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	84205	9.806	ng	99
83) Chrysene	14.074	228	281467	10.423	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	121932	9.153	ng	99
85) Di-n-octyl phthalate	14.651	149	177824	7.339	ng	99
87) Indeno(1,2,3-cd)pyrene	17.010	276	236914	9.798	ng	99
88) Benzo(b)fluoranthene	15.092	252	232988	10.176	ng	99
89) Benzo(k)fluoranthene	15.121	252	221219	11.203	ng	99
90) Benzo(a)pyrene	15.463	252	192493	10.217	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	199946	9.912	ng	99
92) Benzo(g,h,i)perylene	17.457	276	196609	9.758	ng	99

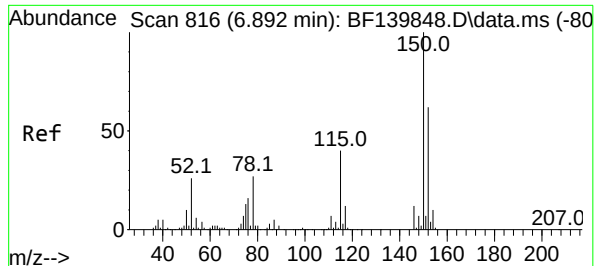
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139846.D
Acq On : 18 Oct 2024 11:23
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 18 14:17:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

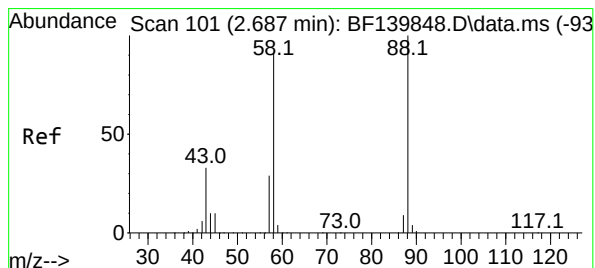
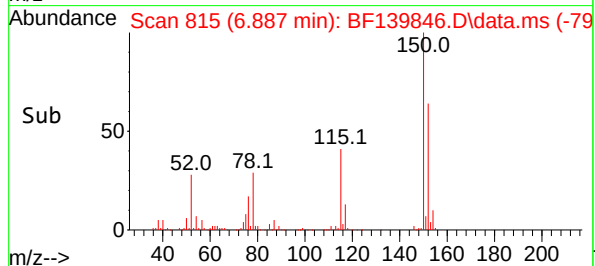
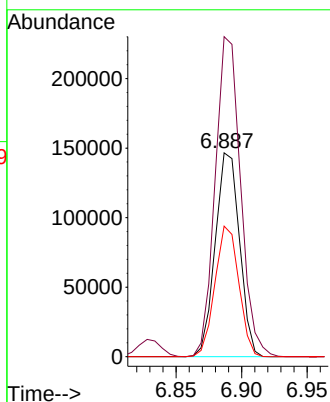
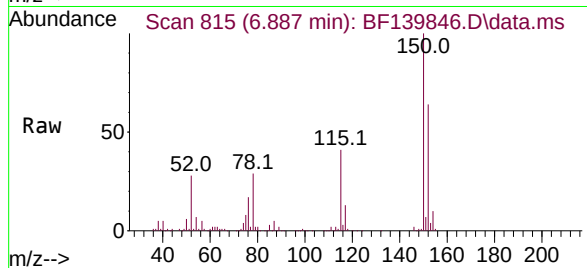




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

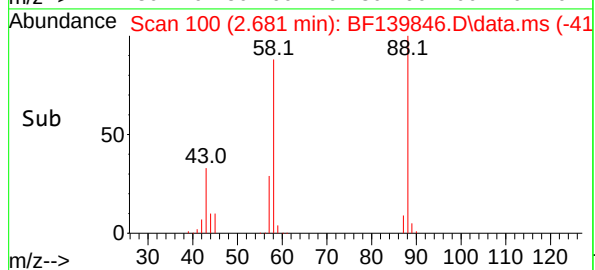
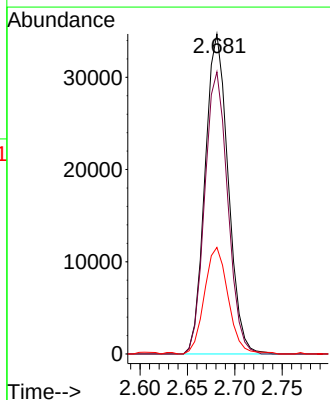
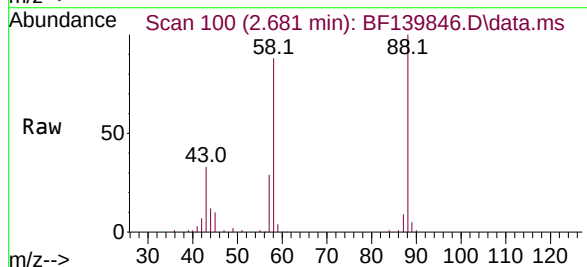
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

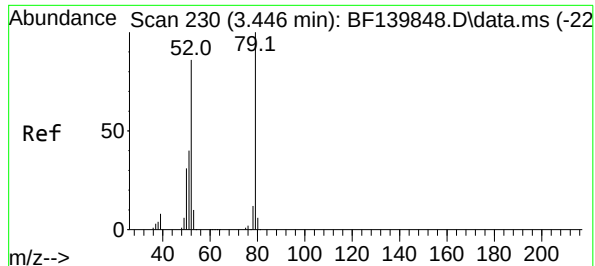
Tgt Ion:152 Resp: 188831
Ion Ratio Lower Upper
152 100
150 157.0 130.2 195.2
115 64.1 51.4 77.2



#2
1,4-Dioxane
Concen: 10.485 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 88 Resp: 58969
Ion Ratio Lower Upper
88 100
58 87.5 73.3 109.9
43 34.3 27.1 40.7





#3

Pyridine

Concen: 10.636 ng

RT: 3.440 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

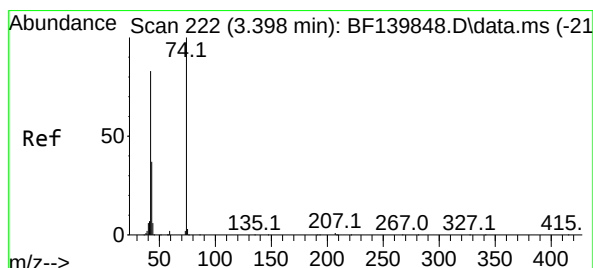
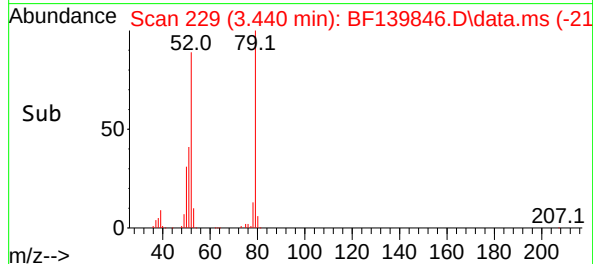
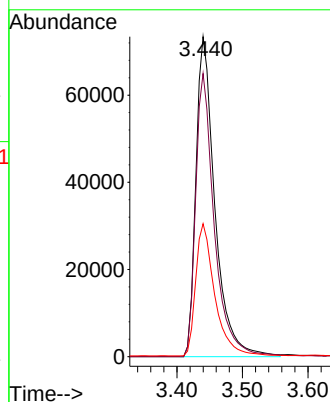
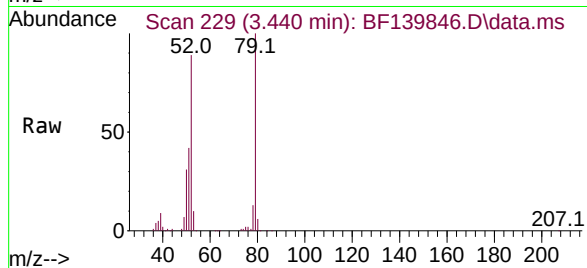
Tgt Ion: 79 Resp: 148260

Ion Ratio Lower Upper

79 100

52 88.5 68.5 102.7

51 41.6 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 10.081 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

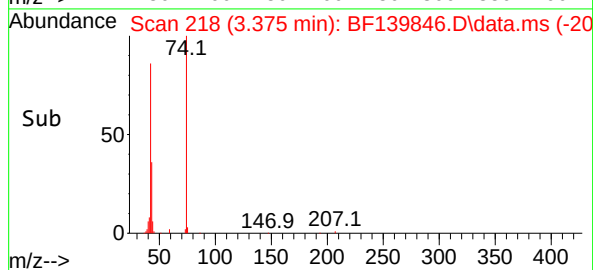
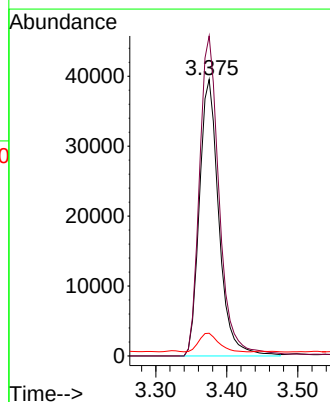
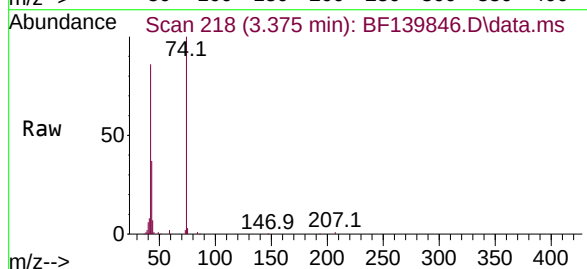
Tgt Ion: 42 Resp: 75504

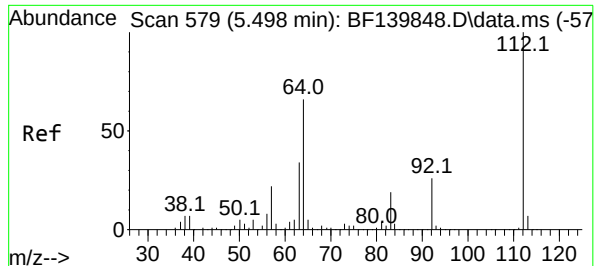
Ion Ratio Lower Upper

42 100

74 115.8 96.2 144.4

44 8.2 6.2 9.2

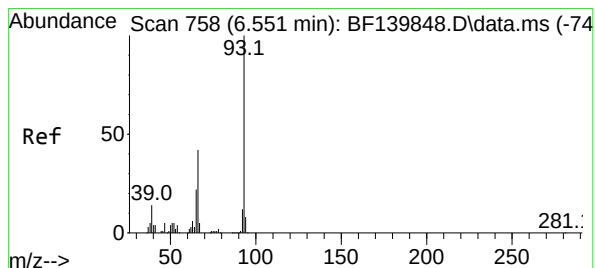
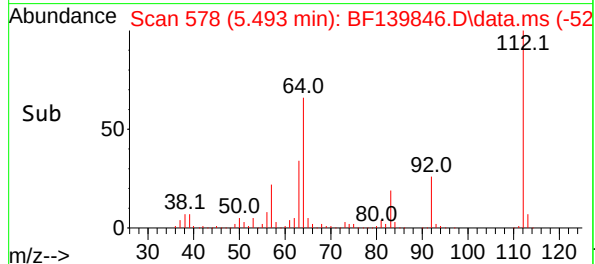
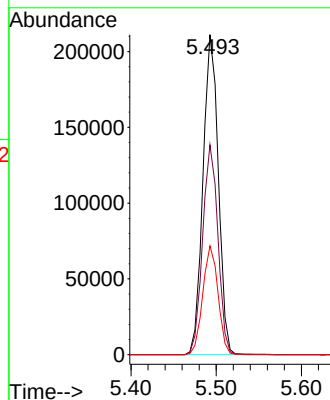
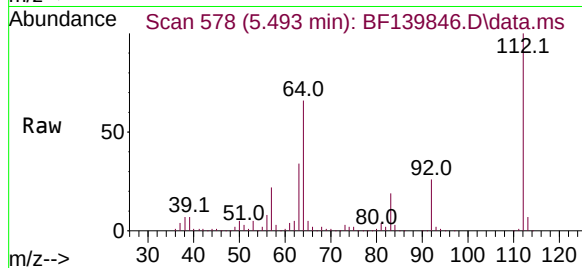




#5
2-Fluorophenol
Concen: 21.891 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

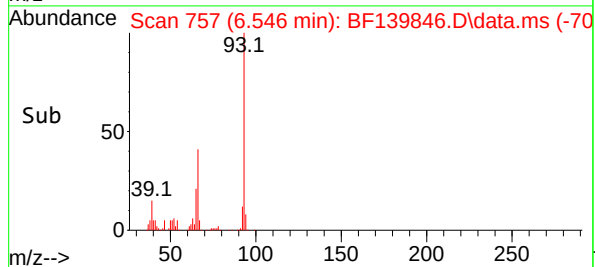
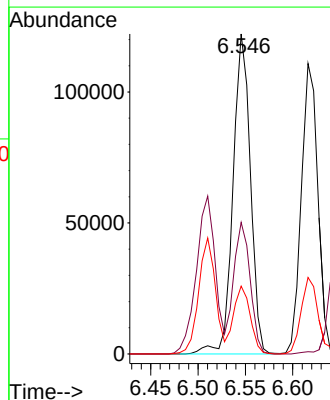
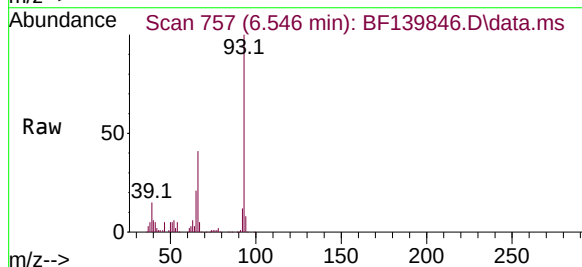
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

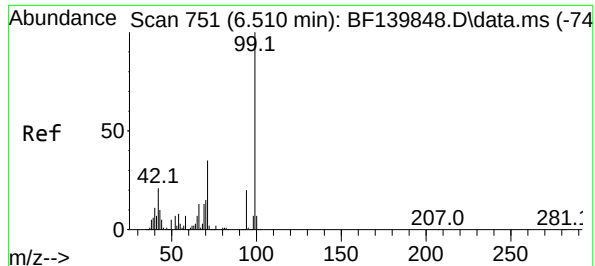
Tgt Ion:112 Resp: 264054
Ion Ratio Lower Upper
112 100
64 65.6 53.0 79.6
63 34.0 27.0 40.4



#6
Aniline
Concen: 10.692 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 93 Resp: 155680
Ion Ratio Lower Upper
93 100
66 41.1 34.0 51.0
65 21.2 17.4 26.0

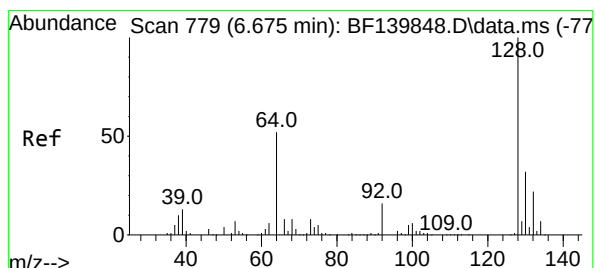
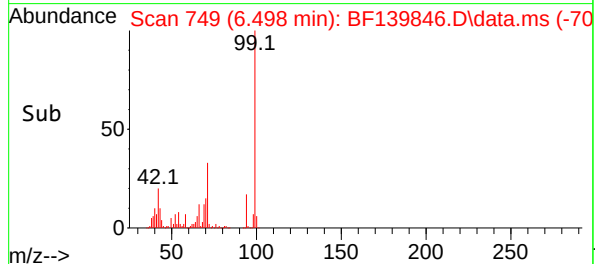
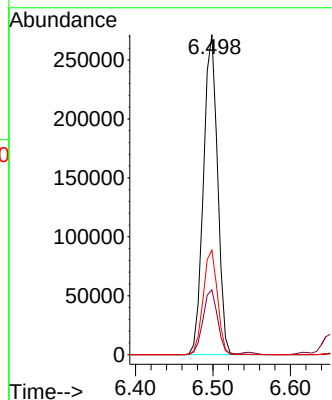
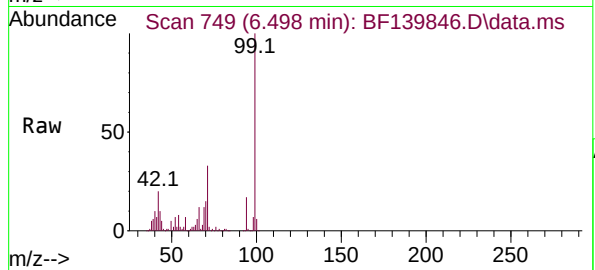




#7
Phenol-d6
Concen: 21.977 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

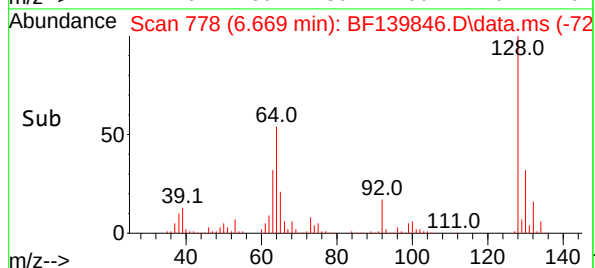
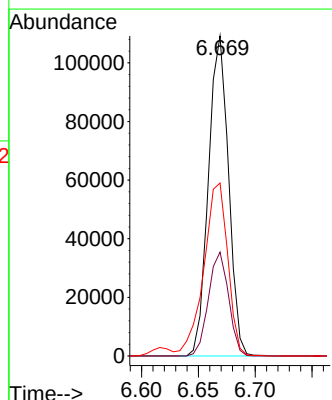
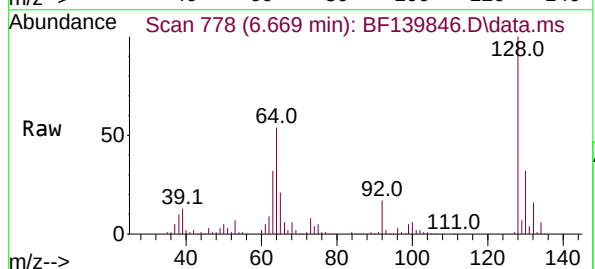
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

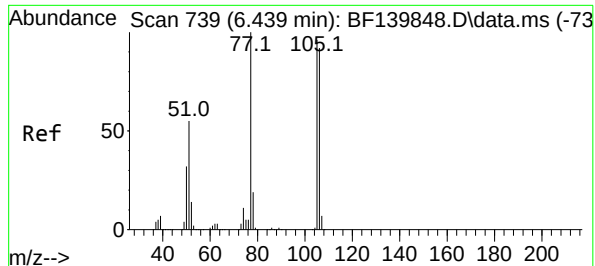
Tgt Ion: 99 Resp: 343334
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 32.7 27.7 41.5



#8
2-Chlorophenol
Concen: 10.890 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 128 Resp: 134290
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 54.1 34.6 74.6





#9

Benzaldehyde

Concen: 12.213 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

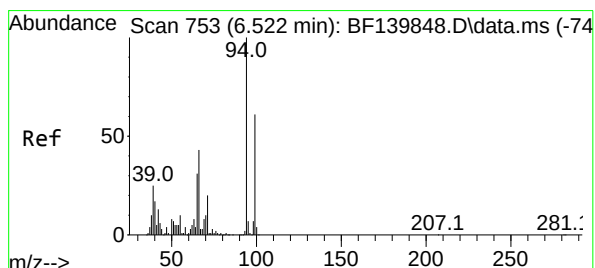
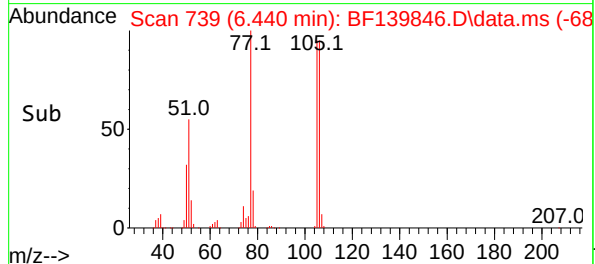
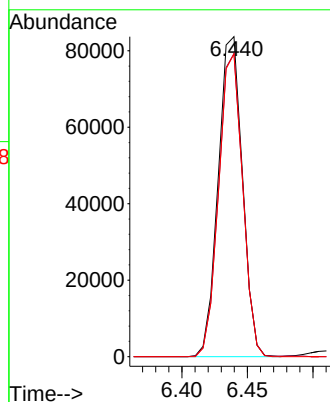
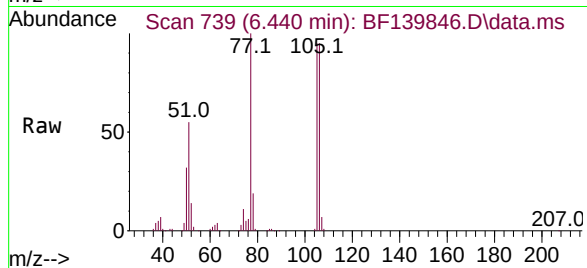
Tgt Ion: 77 Resp: 107330

Ion Ratio Lower Upper

77 100

105 94.7 75.5 115.5

106 94.6 71.7 111.7



#10

Phenol

Concen: 10.549 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

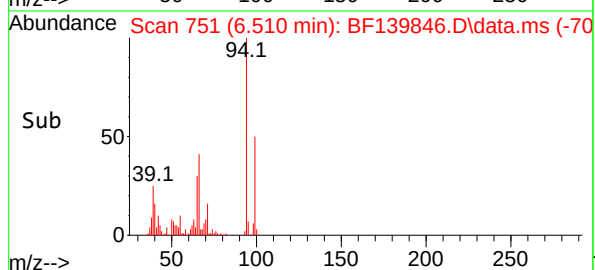
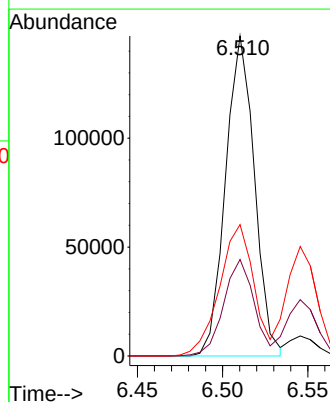
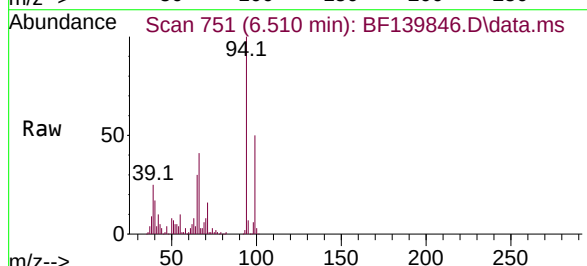
Tgt Ion: 94 Resp: 172965

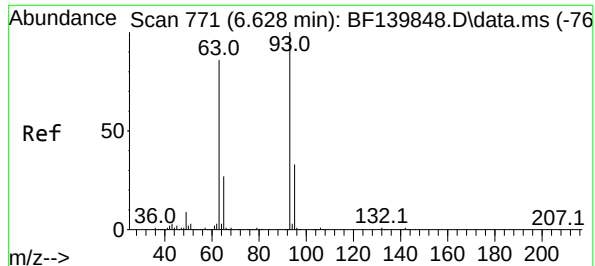
Ion Ratio Lower Upper

94 100

65 30.1 11.1 51.1

66 41.0 22.7 62.7

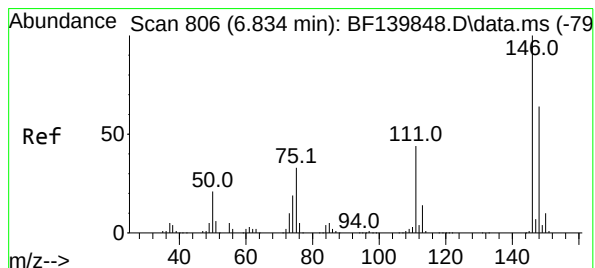
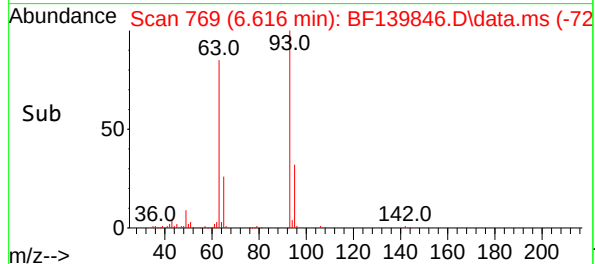
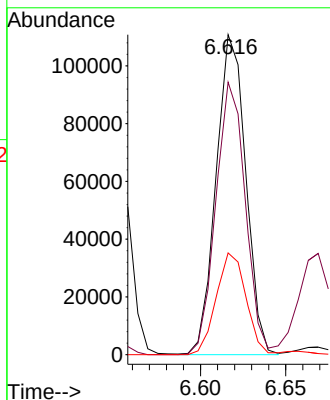
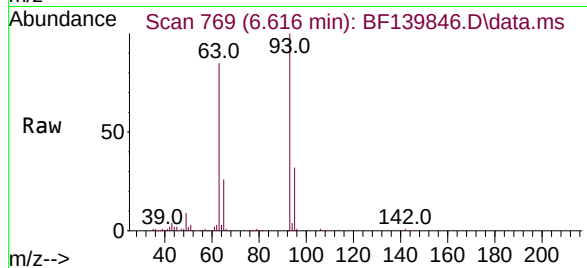




#11
bis(2-Chloroethyl)ether
Concen: 10.794 ng
RT: 6.616 min Scan# 771
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

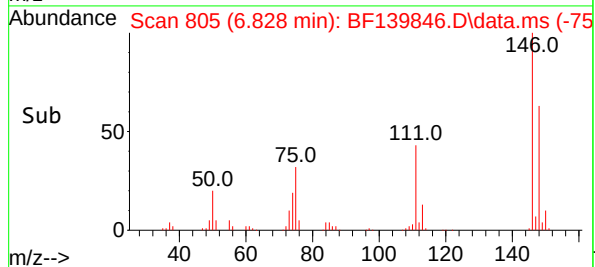
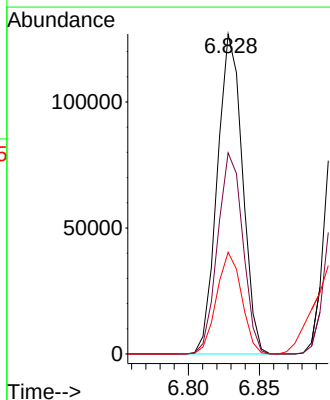
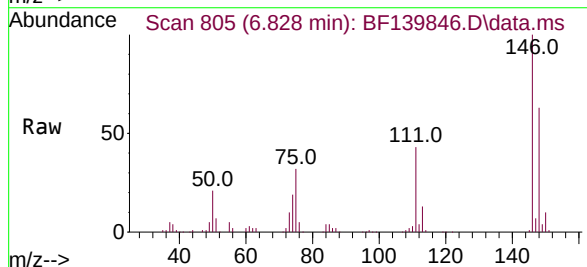
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

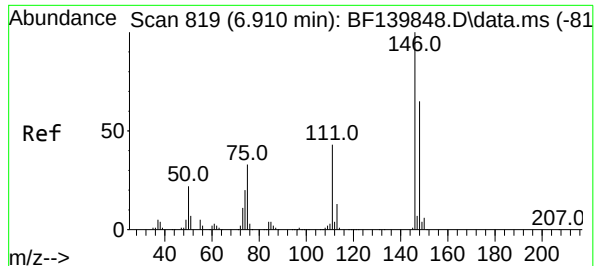
Tgt Ion: 93 Resp: 134367
Ion Ratio Lower Upper
93 100
63 85.2 65.0 105.0
95 31.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 11.045 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:146 Resp: 156338
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.4
75 31.8 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 10.957 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

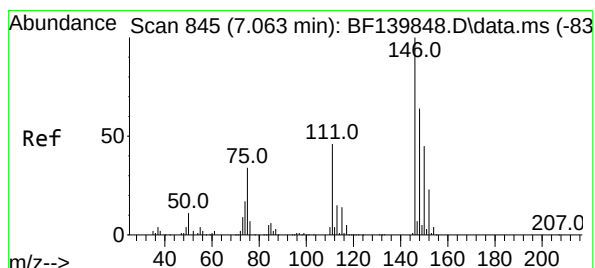
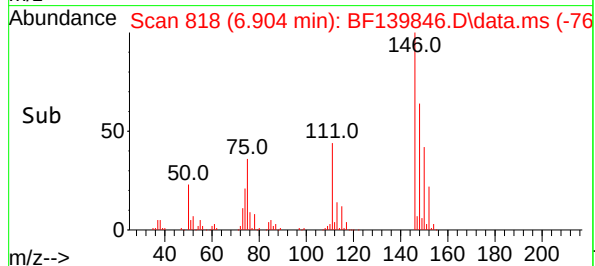
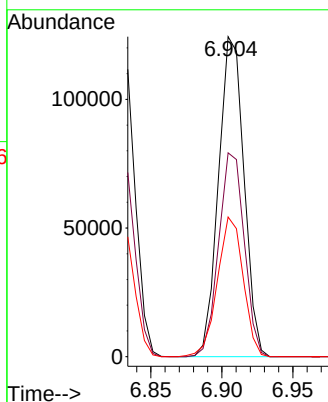
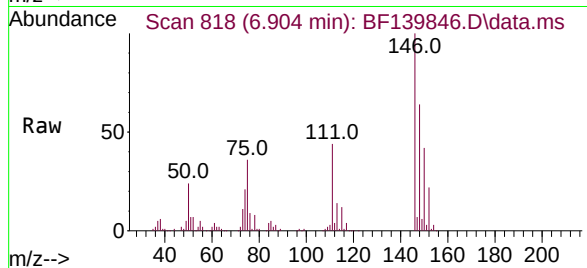
Tgt Ion:146 Resp: 154957

Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.8

111 43.7 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 11.299 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

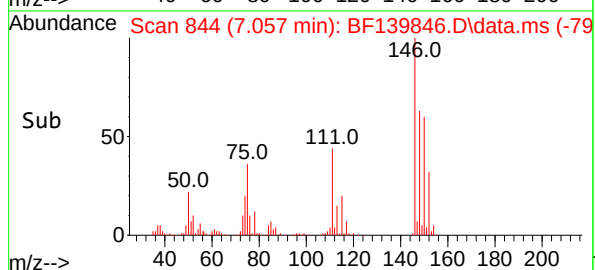
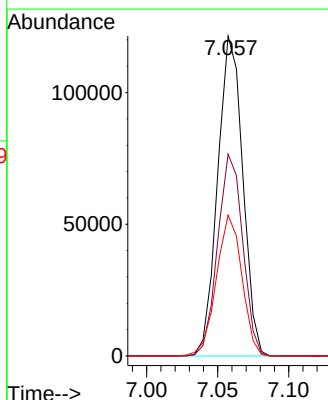
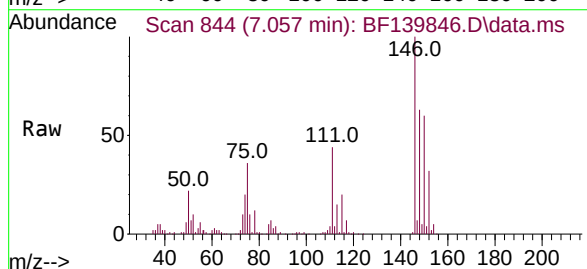
Tgt Ion:146 Resp: 149129

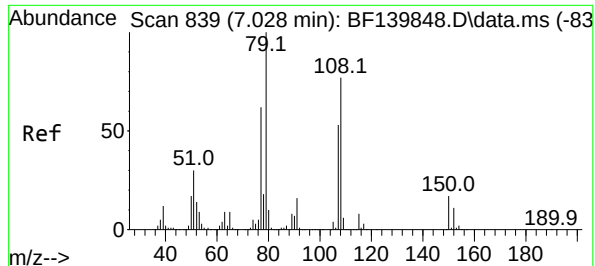
Ion Ratio Lower Upper

146 100

148 63.1 51.4 77.2

111 44.0 36.7 55.1





#15

Benzyl Alcohol

Concen: 10.704 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

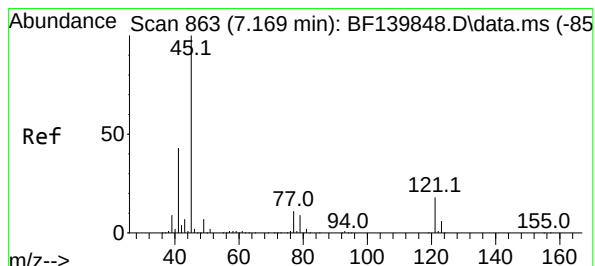
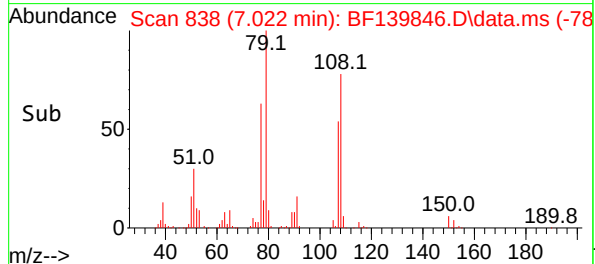
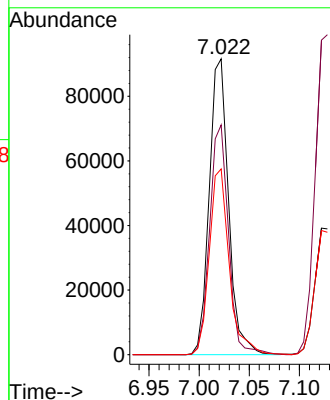
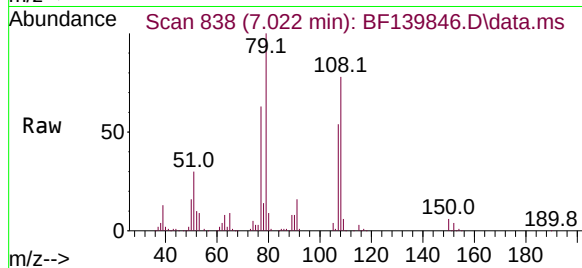
Tgt Ion: 79 Resp: 122669

Ion Ratio Lower Upper

79 100

108 77.7 61.4 92.0

77 62.8 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.715 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

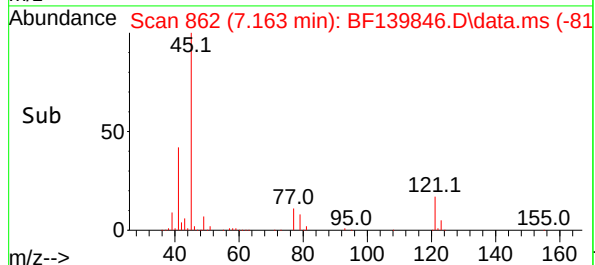
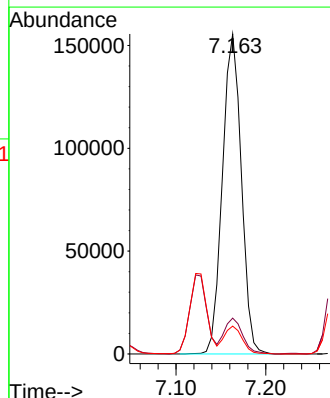
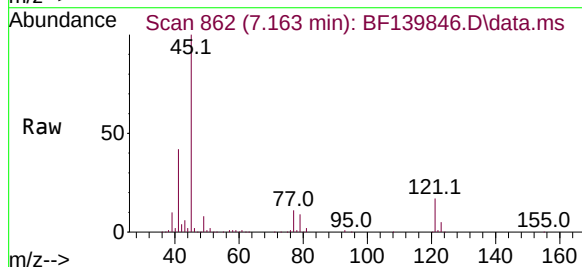
Tgt Ion: 45 Resp: 227443

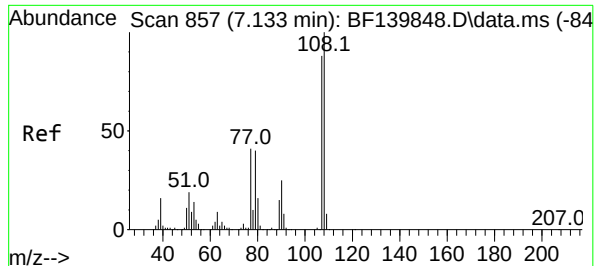
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.5

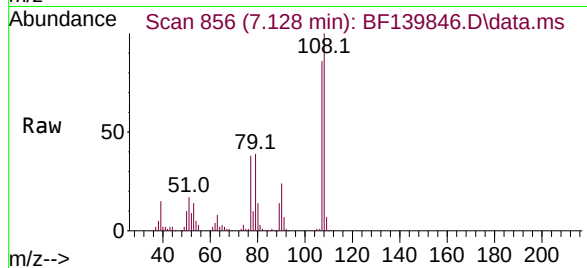
79 8.7 0.0 29.1



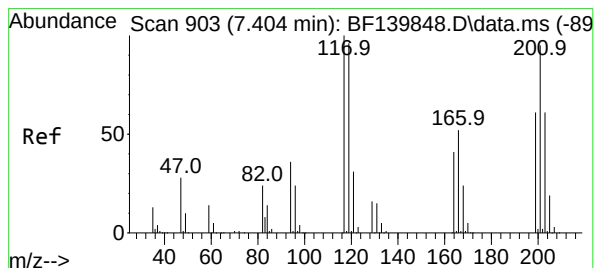
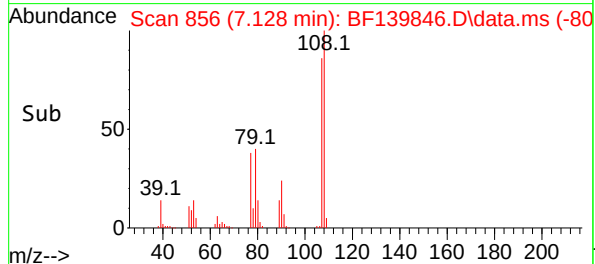
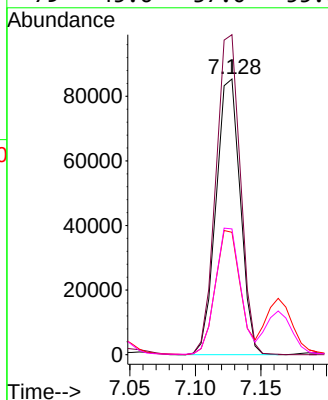


#17
2-Methylphenol
Concen: 10.452 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

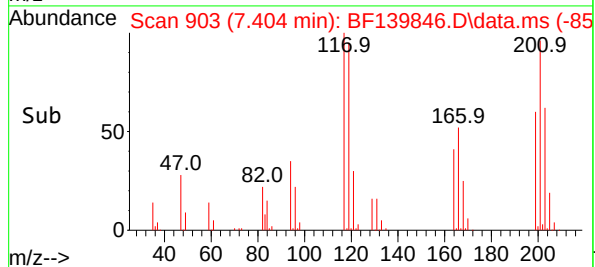
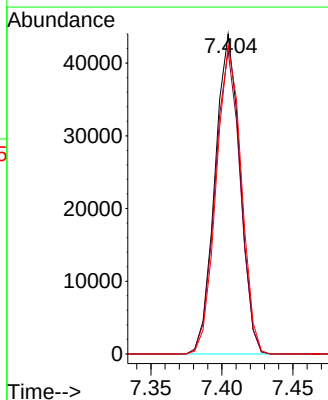
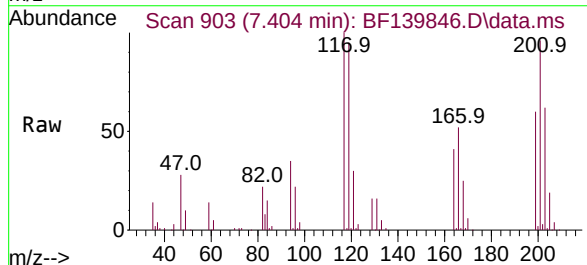


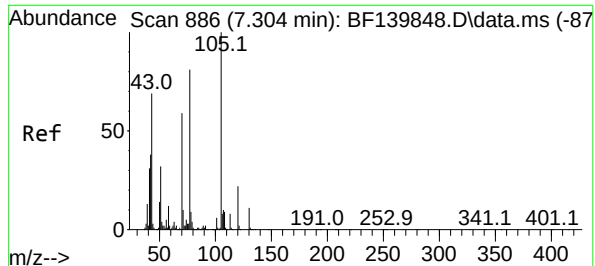
Tgt Ion:107 Resp: 109901
Ion Ratio Lower Upper
107 100
108 116.1 91.3 136.9
77 44.4 37.1 55.7
79 45.6 37.0 55.6



#18
Hexachloroethane
Concen: 10.686 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:117 Resp: 53892
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4
201 96.4 76.2 114.4



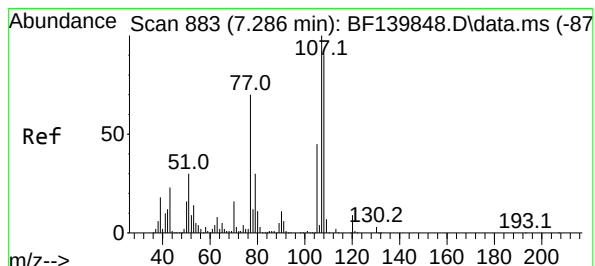
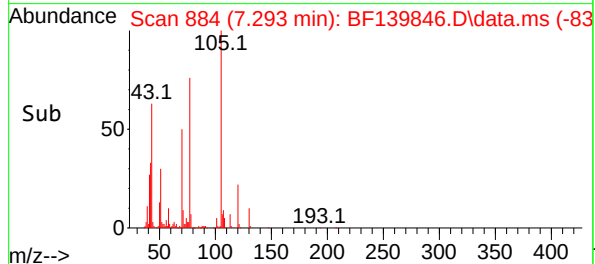
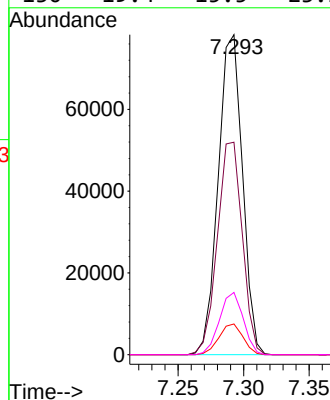
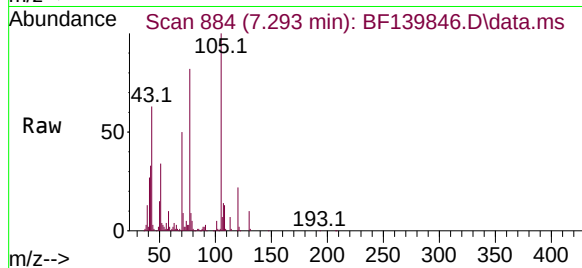


#19
n-Nitroso-di-n-propylamine
Concen: 10.621 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 100635

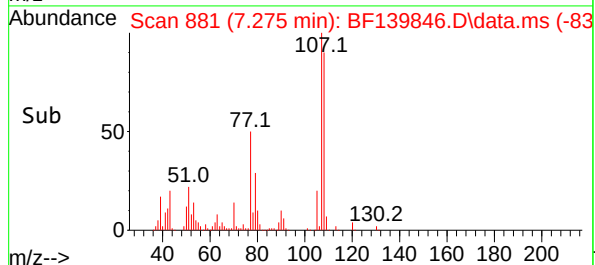
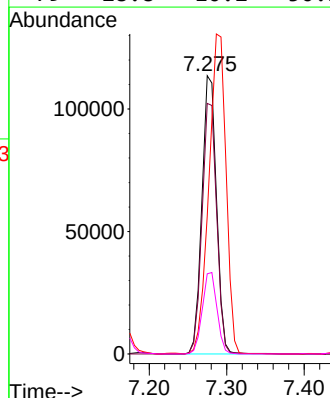
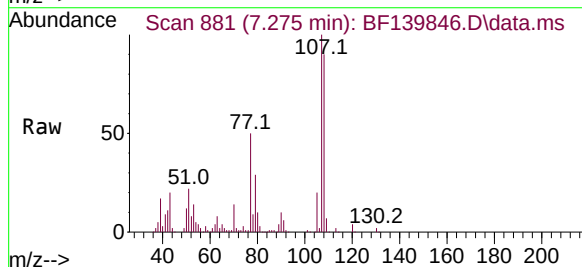
Ion	Ratio	Lower	Upper
70	100		
42	66.4	51.5	77.3
101	9.6	7.5	11.3
130	19.4	15.5	23.3

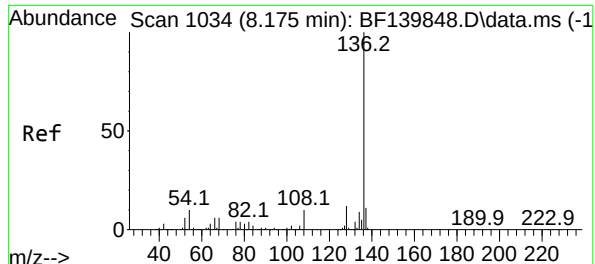


#20
3+4-Methylphenols
Concen: 11.041 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 107 Resp: 148497

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.8	109.8
77	49.6	50.5	90.5#
79	28.8	10.2	50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:136 Resp: 733621

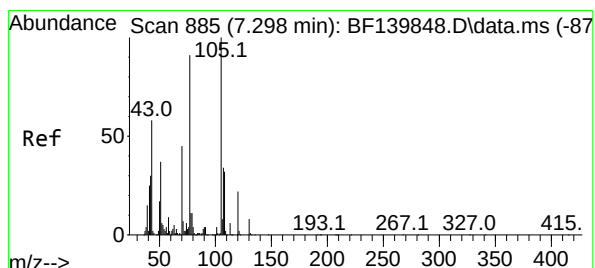
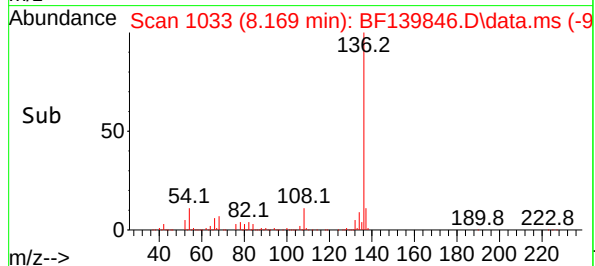
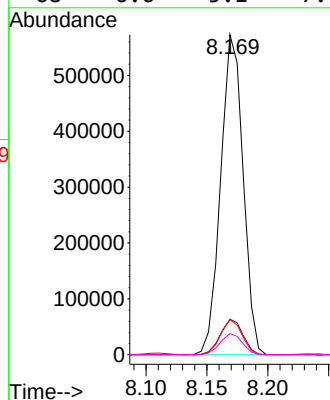
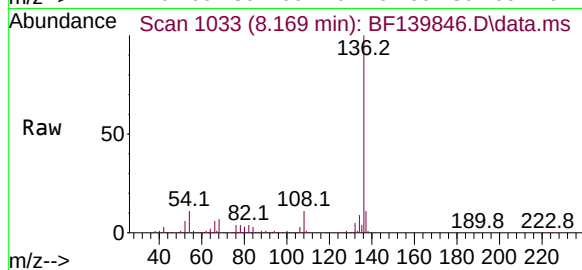
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 10.9 8.4 12.6

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 10.885 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:105 Resp: 195595

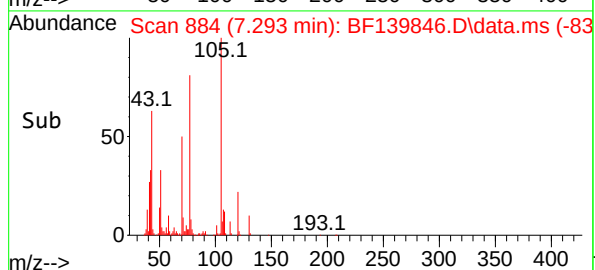
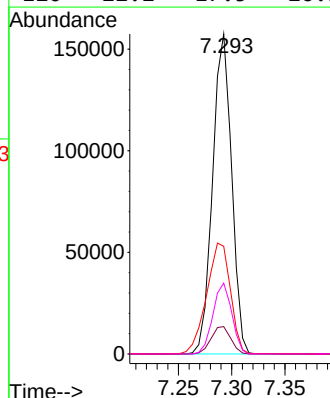
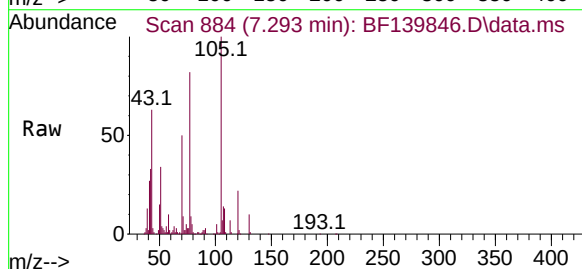
Ion Ratio Lower Upper

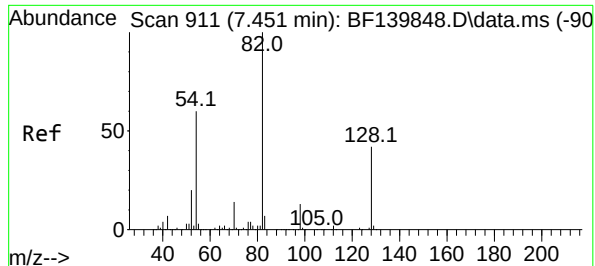
105 100

71 8.5 5.9 8.9

51 33.6 29.4 44.2

120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 20.257 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

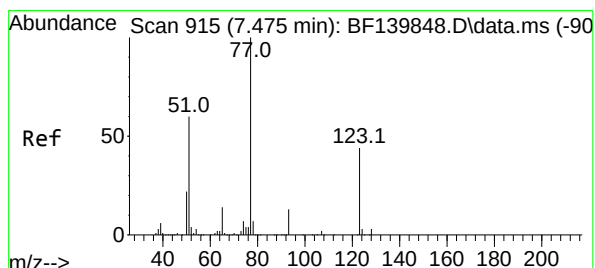
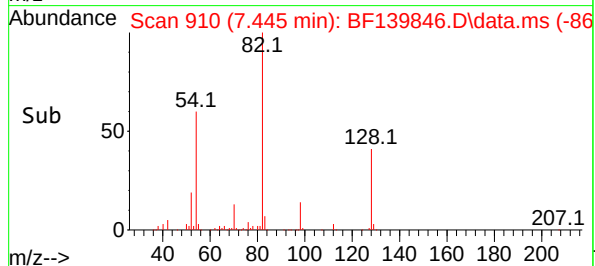
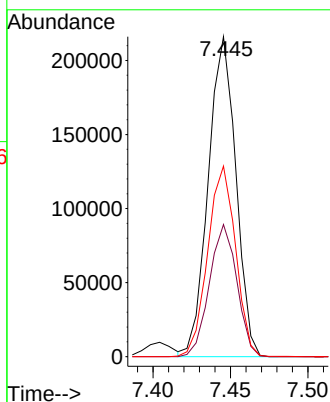
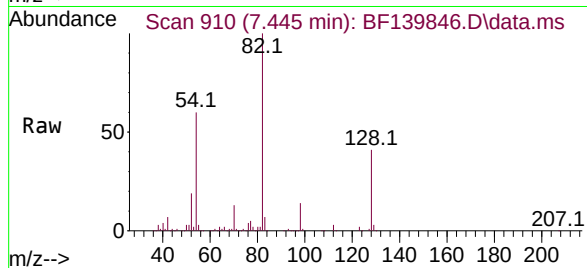
Tgt Ion: 82 Resp: 268128

Ion Ratio Lower Upper

82 100

128 41.3 33.4 50.0

54 59.5 47.8 71.8



#24

Nitrobenzene

Concen: 10.154 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

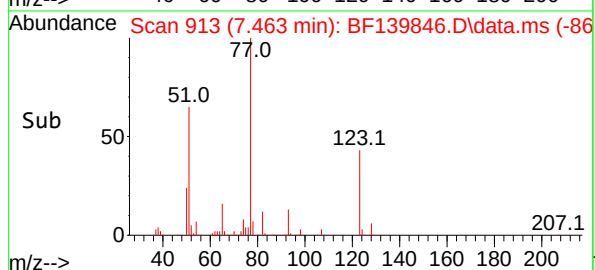
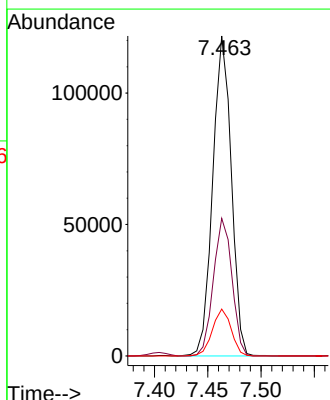
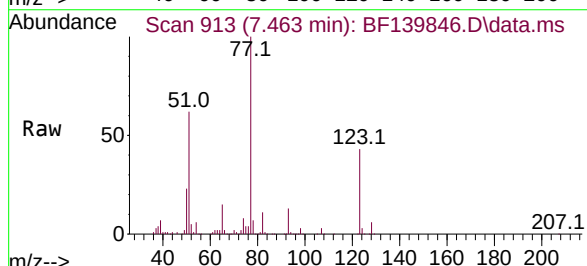
Tgt Ion: 77 Resp: 147356

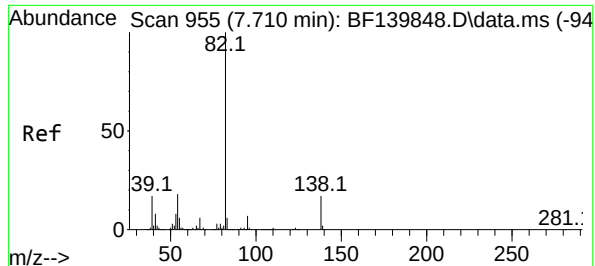
Ion Ratio Lower Upper

77 100

123 43.0 35.7 53.5

65 14.6 11.5 17.3

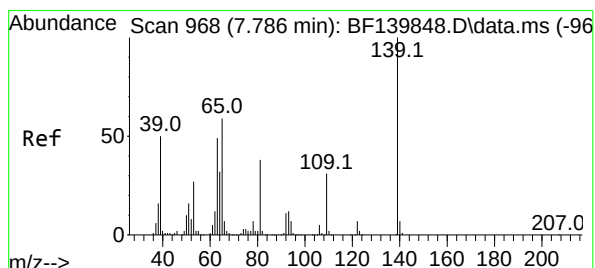
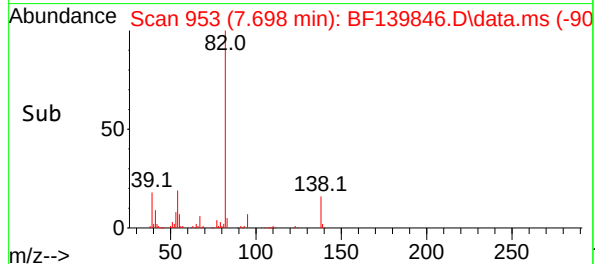
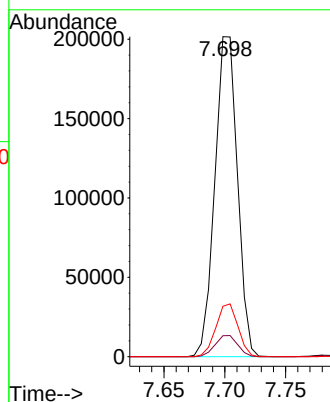
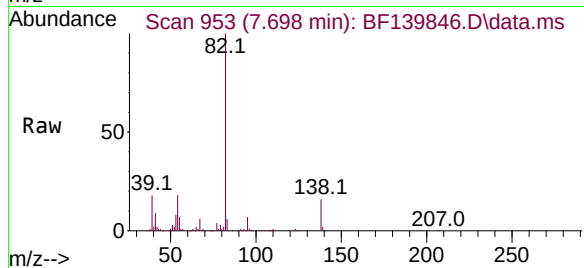




#25
Isophorone
Concen: 10.359 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

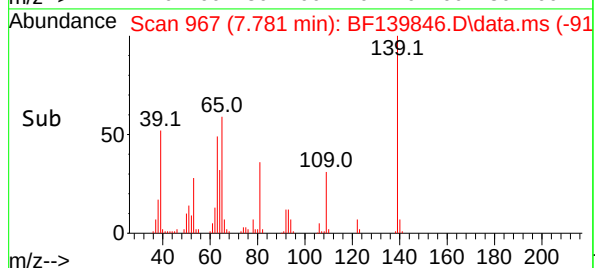
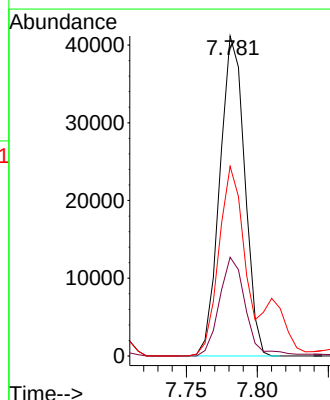
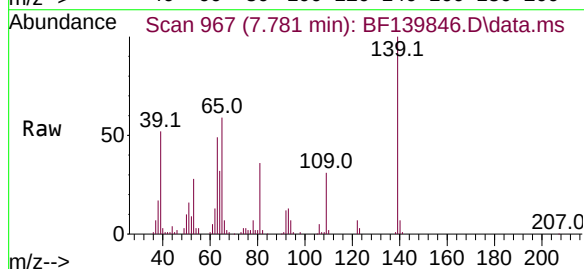
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

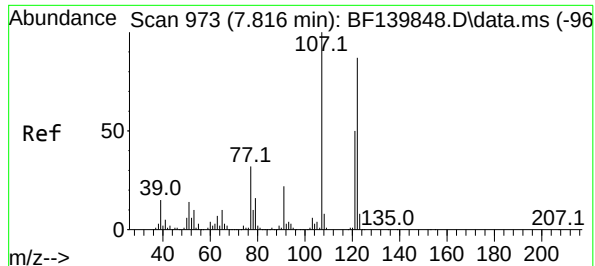
Tgt Ion: 82 Resp: 260247
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 15.7 13.2 19.8



#26
2-Nitrophenol
Concen: 9.162 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:139 Resp: 50159
Ion Ratio Lower Upper
139 100
109 30.9 25.1 37.7
65 59.2 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 10.400 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139846.D

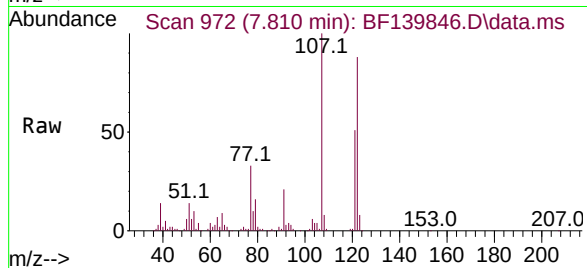
Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



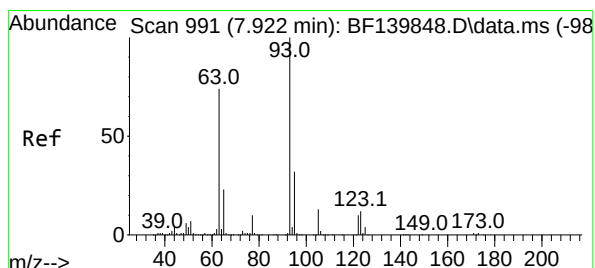
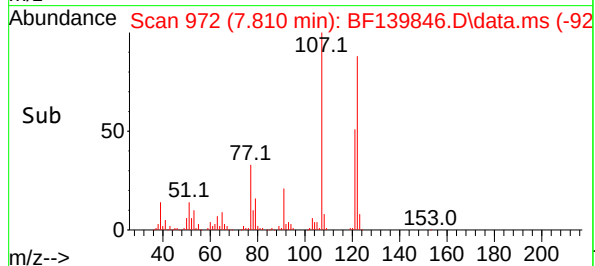
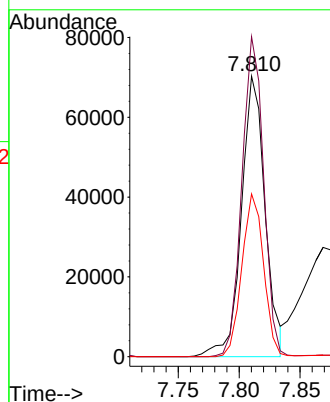
Tgt Ion:122 Resp: 94947

Ion Ratio Lower Upper

122 100

107 114.1 91.9 137.9

121 58.0 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.605 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

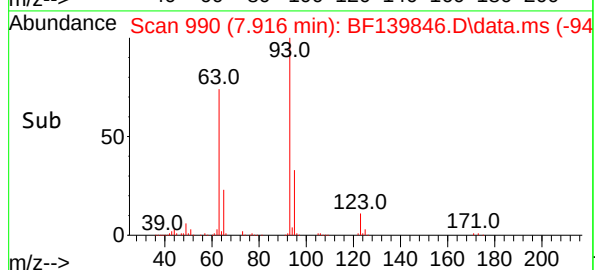
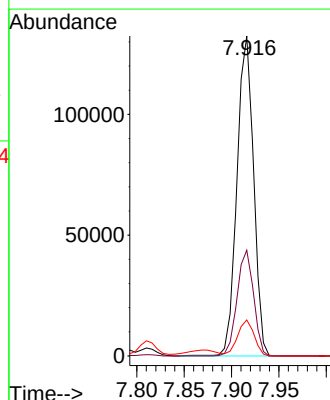
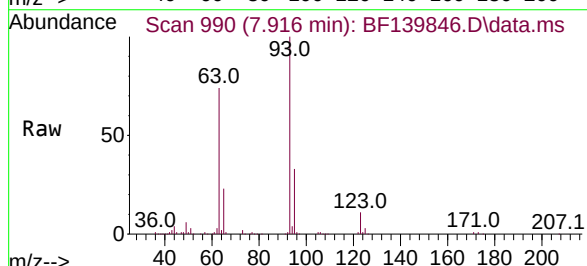
Tgt Ion: 93 Resp: 161423

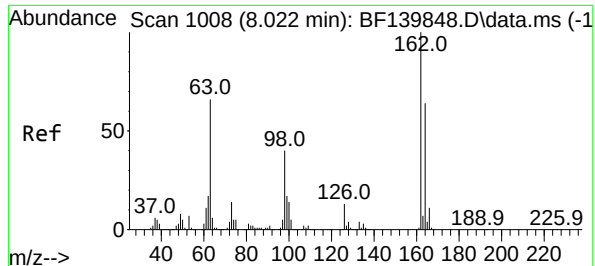
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 11.2 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 10.492 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

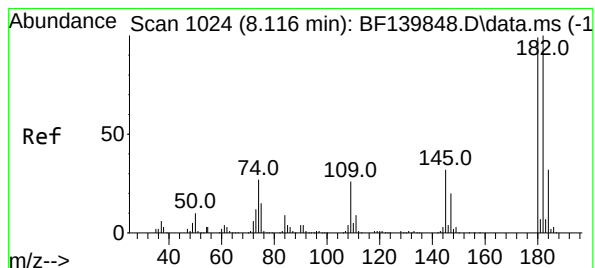
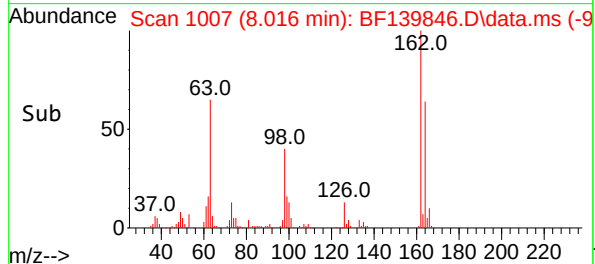
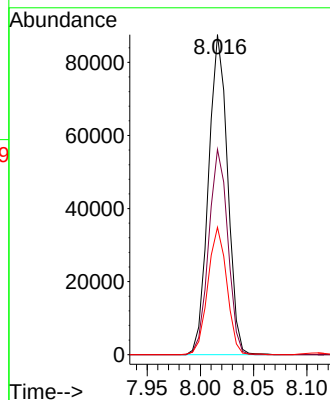
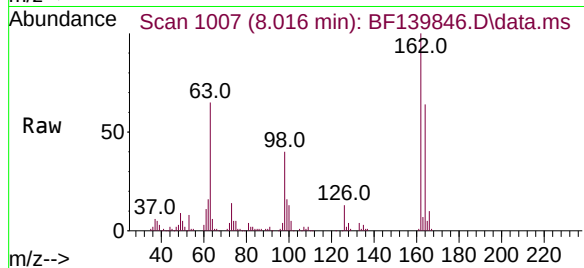
Tgt Ion:162 Resp: 109102

Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

98 39.8 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 10.537 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

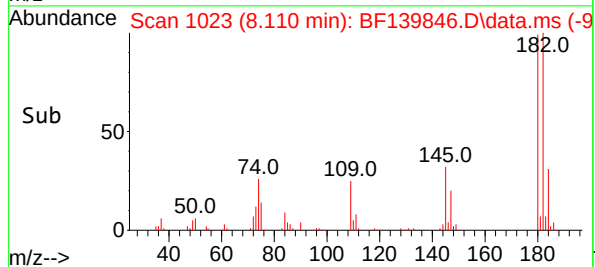
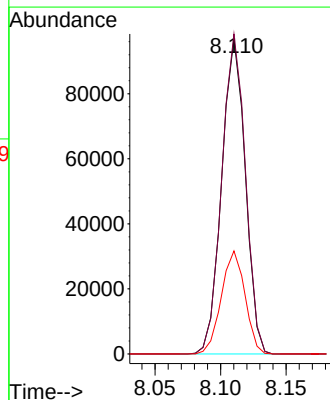
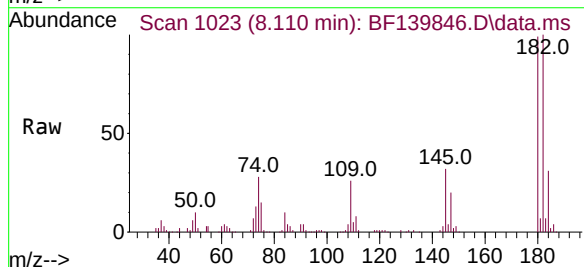
Tgt Ion:180 Resp: 121232

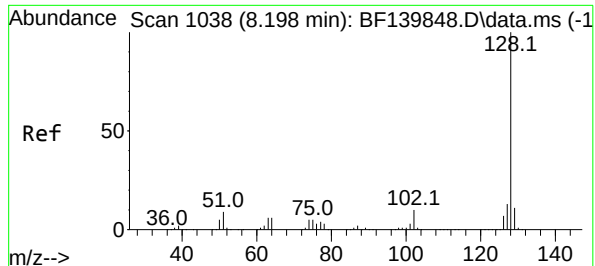
Ion Ratio Lower Upper

180 100

182 101.5 80.5 120.7

145 32.7 25.4 38.0





#31

Naphthalene

Concen: 10.864 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

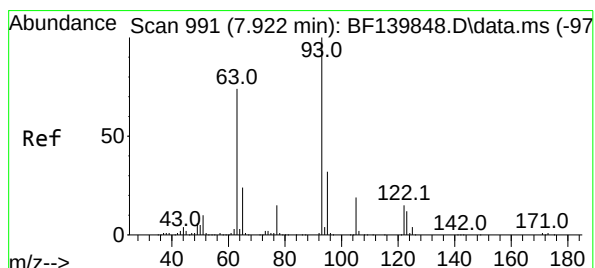
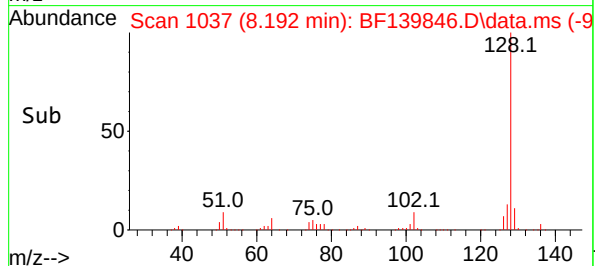
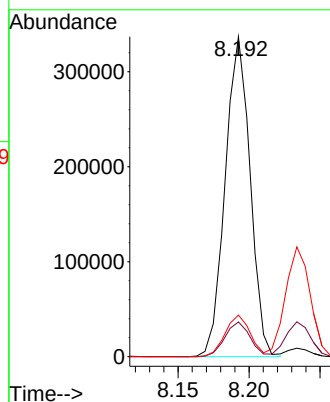
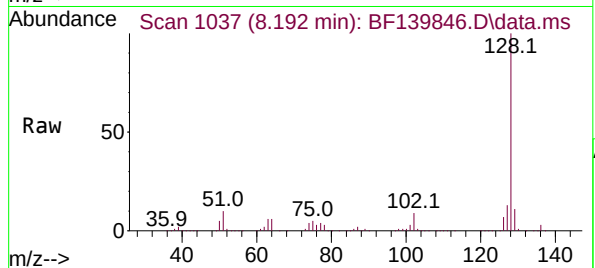
Tgt Ion:128 Resp: 411053

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.0 10.6 16.0



#32

Benzoic acid

Concen: 8.075 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.053 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

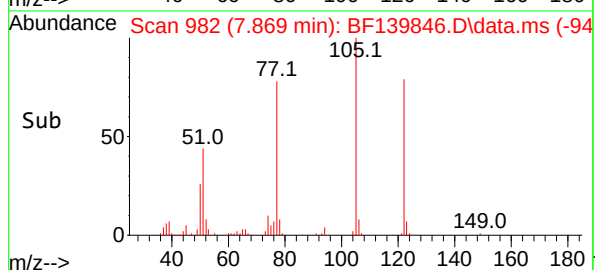
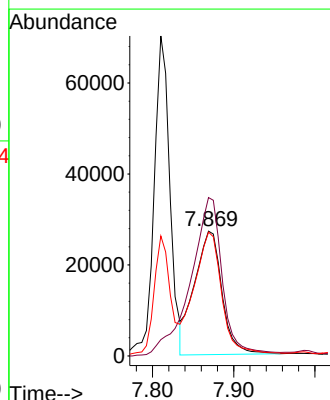
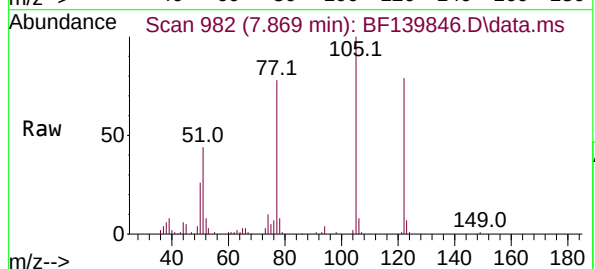
Tgt Ion:122 Resp: 64294

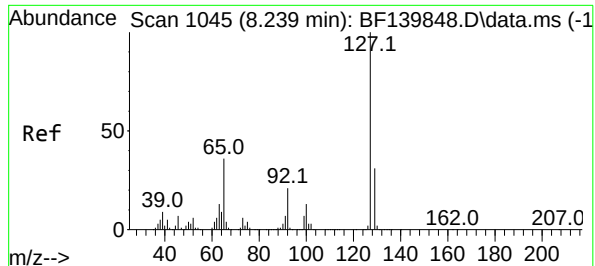
Ion Ratio Lower Upper

122 100

105 126.9 107.6 147.6

77 99.2 80.2 120.2

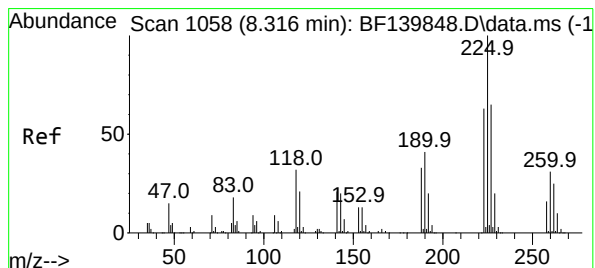
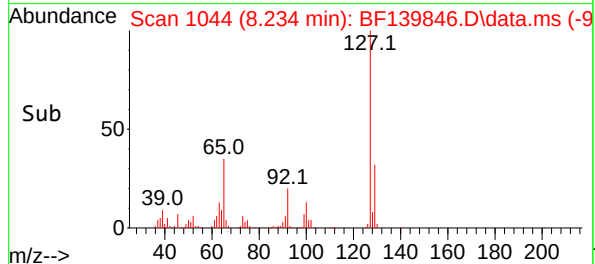
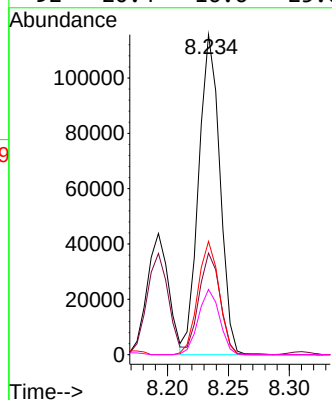
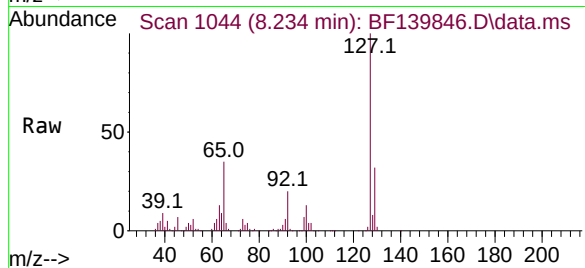




#33
4-Chloroaniline
Concen: 10.853 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

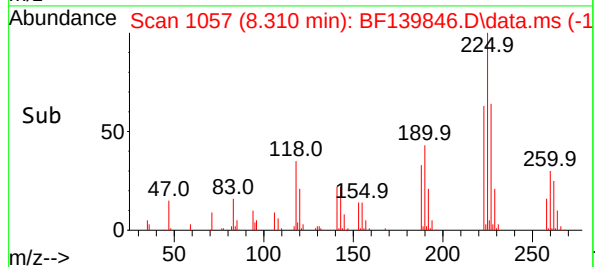
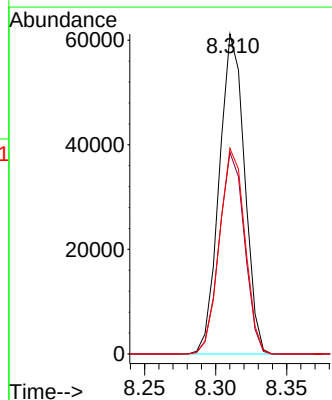
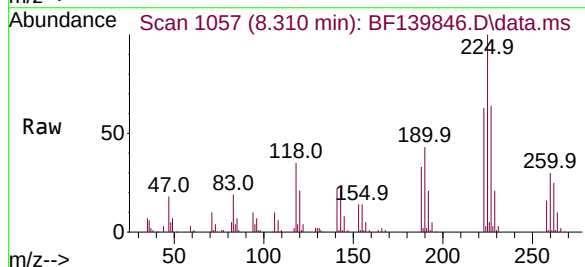
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

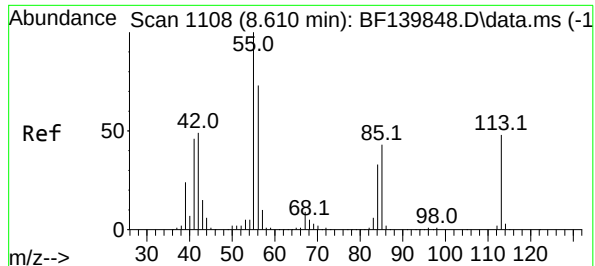
Tgt Ion:	127	Resp:	140021
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	35.4	28.4	42.6
92	20.4	16.6	25.0



#34
Hexachlorobutadiene
Concen: 10.477 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:	225	Resp:	75740
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	64.3	51.8	77.8

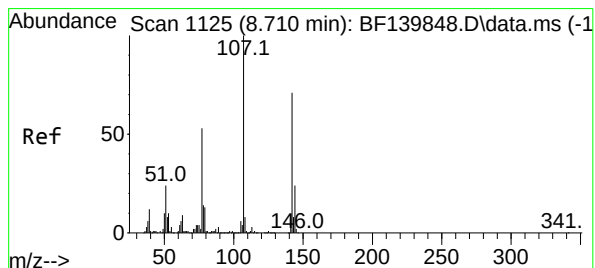
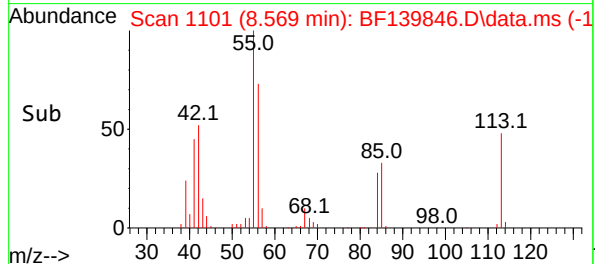
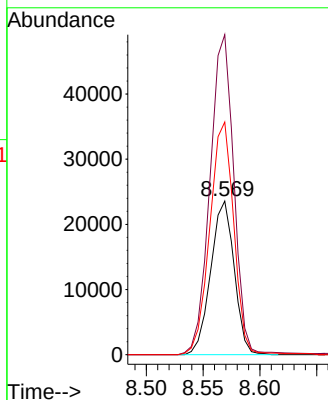
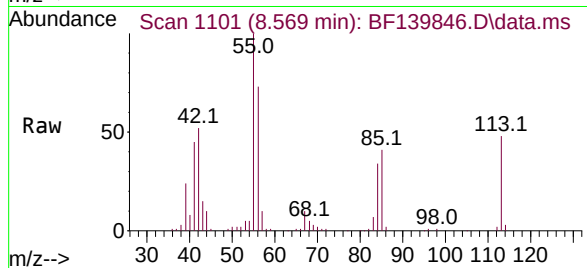




#35
Caprolactam
Concen: 10.256 ng
RT: 8.569 min Scan# 1108
Delta R.T. -0.041 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

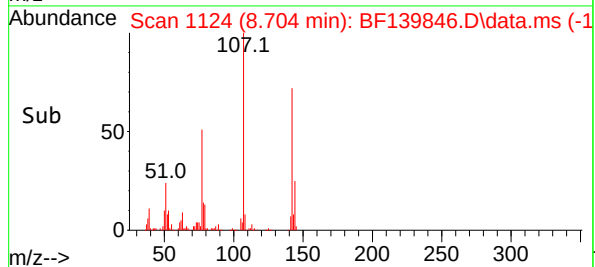
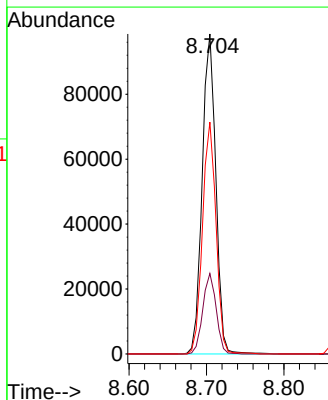
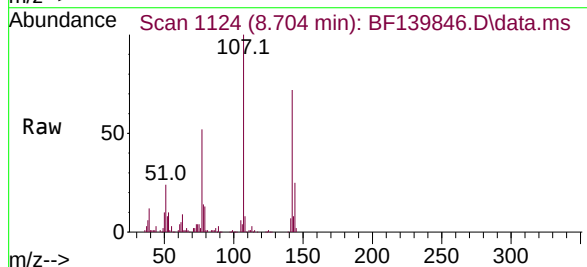
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

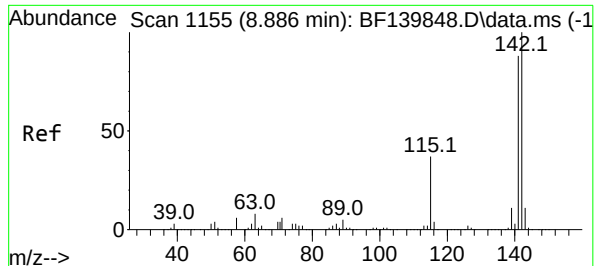
Tgt Ion	Ratio	Lower	Upper
113	100		
55	208.3	189.2	229.2
56	151.4	132.5	172.5



#36
4-Chloro-3-methylphenol
Concen: 10.452 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.1	28.7
142	72.5	57.2	85.8





#37

2-Methylnaphthalene

Concen: 10.899 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

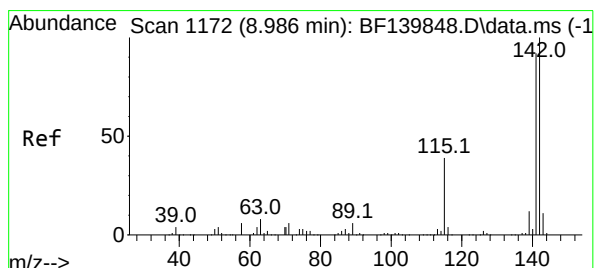
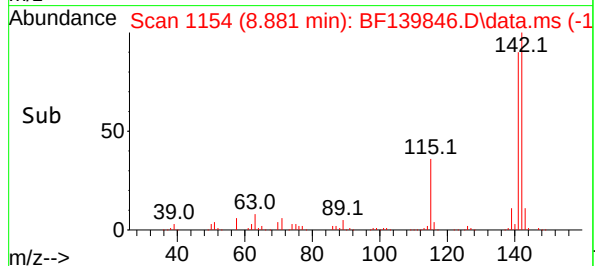
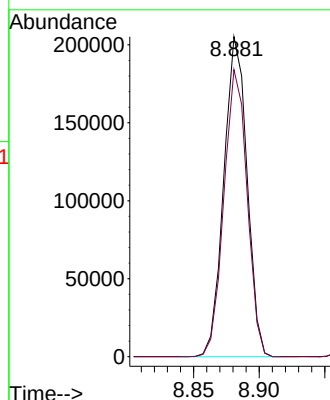
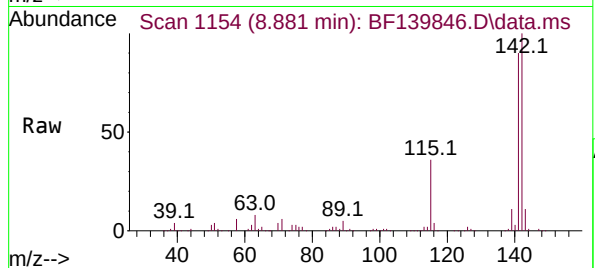
SSTDICC010

Tgt Ion:142 Resp: 252554

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2



#38

1-Methylnaphthalene

Concen: 11.023 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139846.D

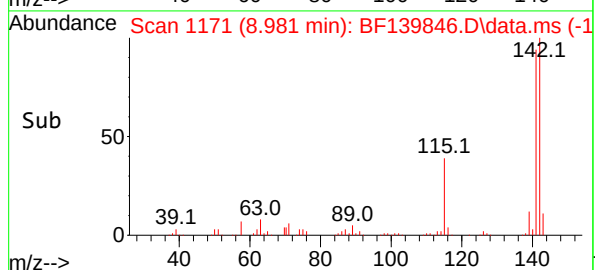
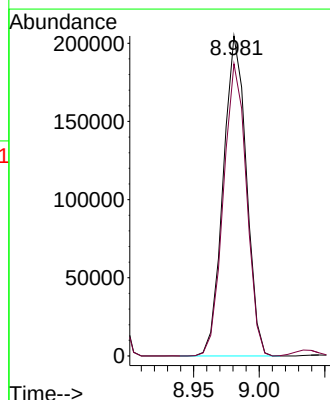
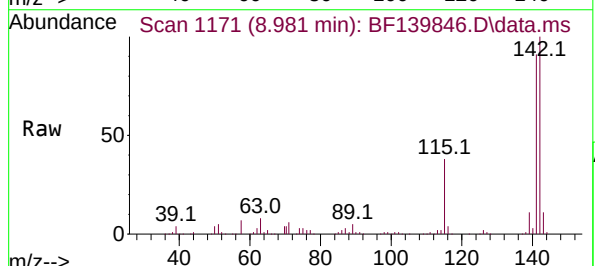
Acq: 18 Oct 2024 11:23

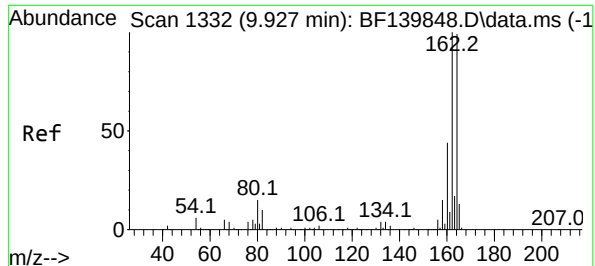
Tgt Ion:142 Resp: 250609

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

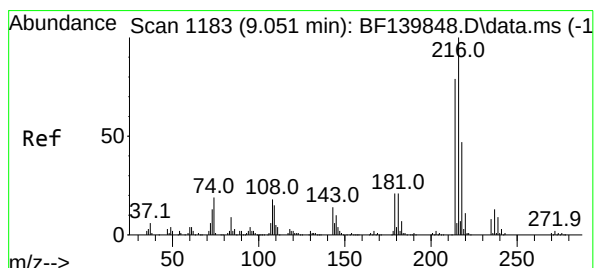
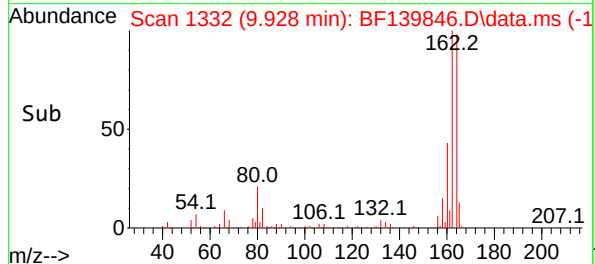
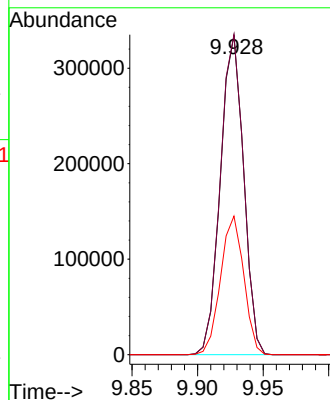
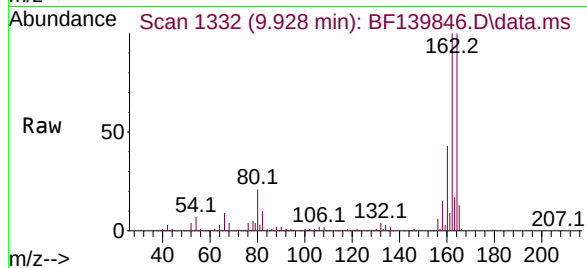
Tgt Ion:164 Resp: 411556

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.4

160 43.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.738 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:216 Resp: 119227

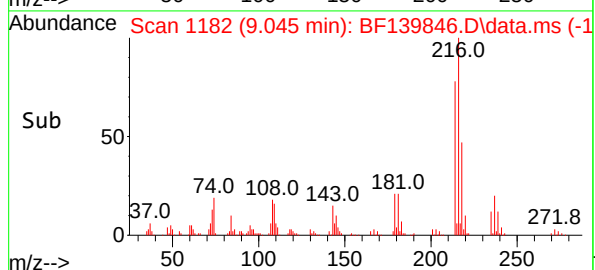
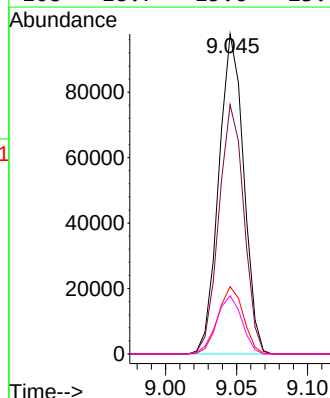
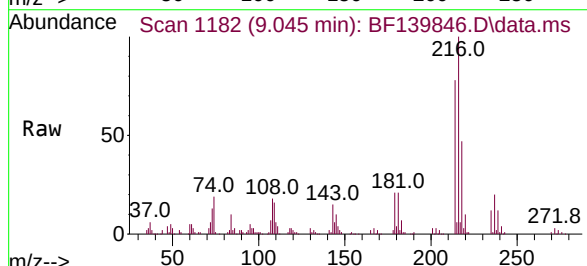
Ion Ratio Lower Upper

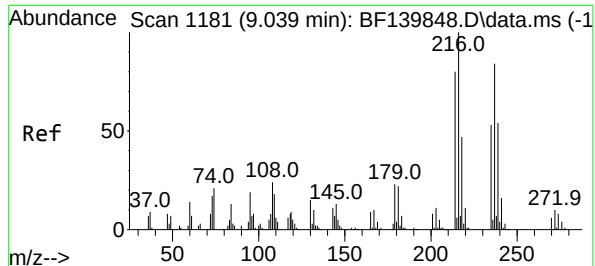
216 100

214 78.1 63.4 95.0

179 21.2 17.2 25.8

108 18.7 15.6 23.4

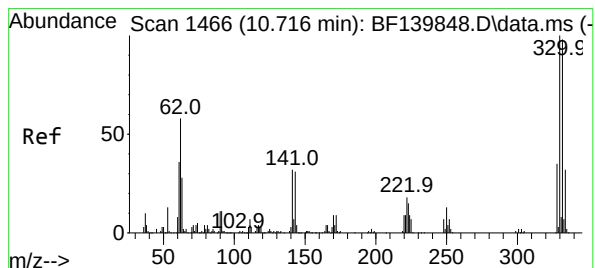
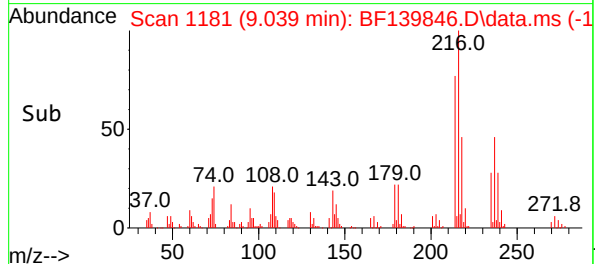
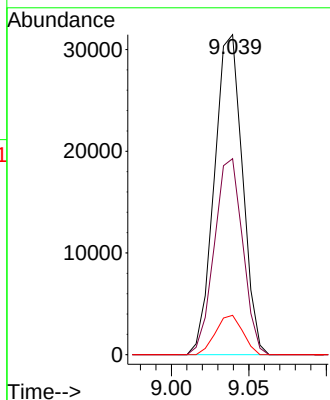
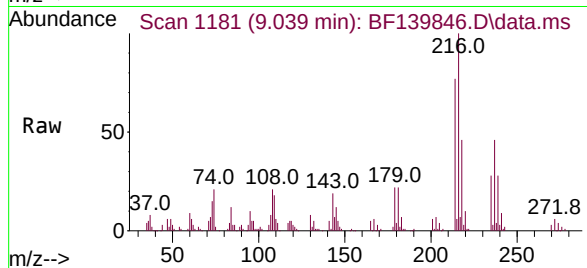




#41
Hexachlorocyclopentadiene
Concen: 10.290 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

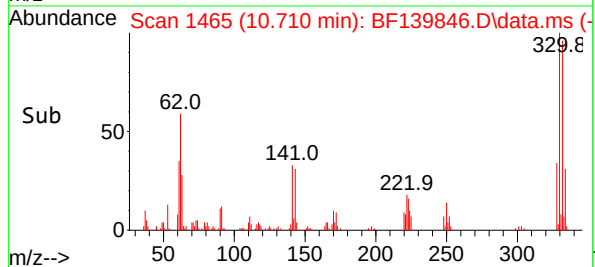
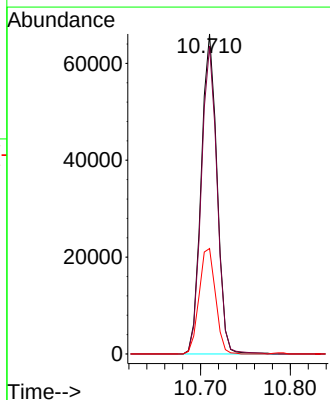
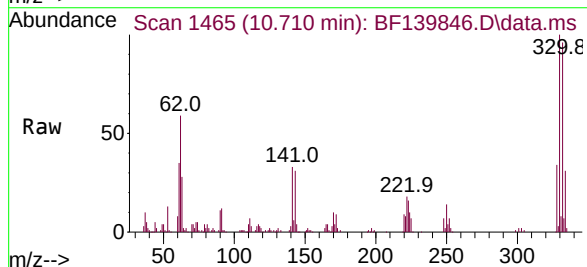
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

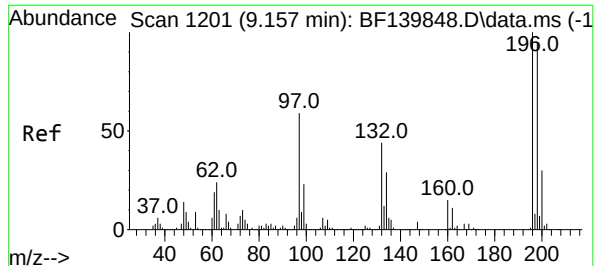
Tgt Ion:237 Resp: 39754
Ion Ratio Lower Upper
237 100
235 61.3 42.9 82.9
272 12.3 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 20.952 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:330 Resp: 80655
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 34.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 9.996 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

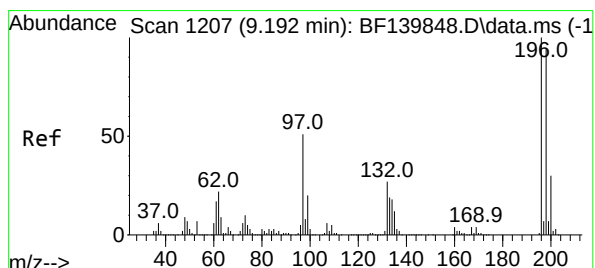
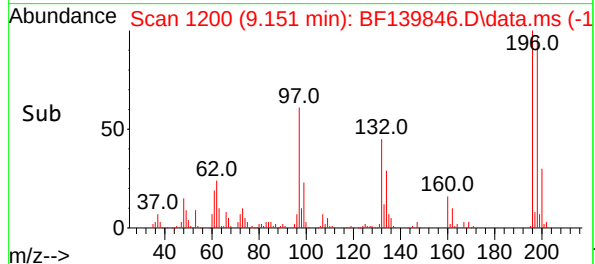
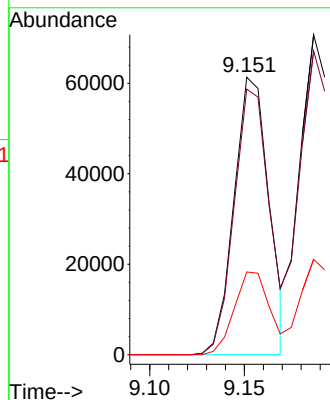
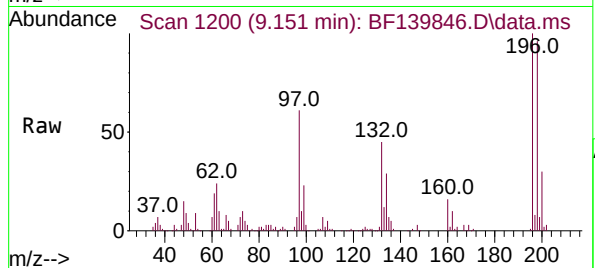
Tgt Ion:196 Resp: 78578

Ion Ratio Lower Upper

196 100

198 95.7 76.2 114.2

200 29.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 10.787 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:196 Resp: 87482

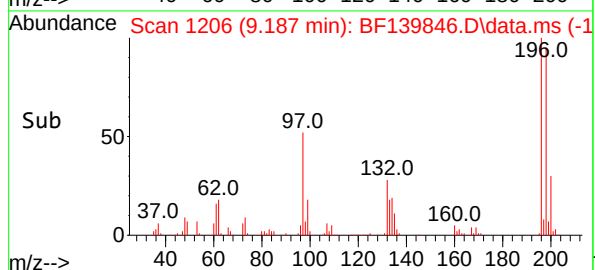
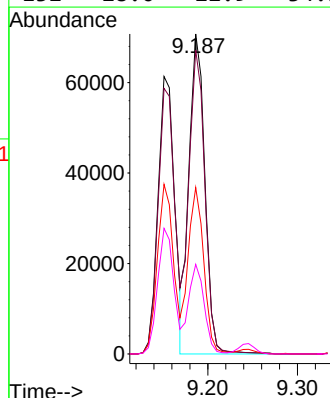
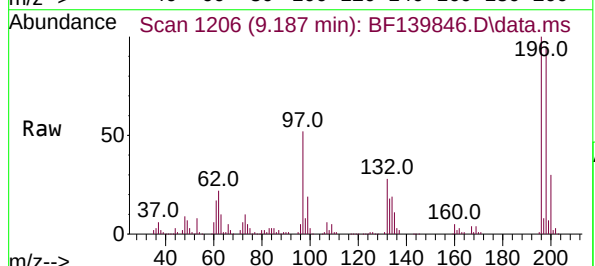
Ion Ratio Lower Upper

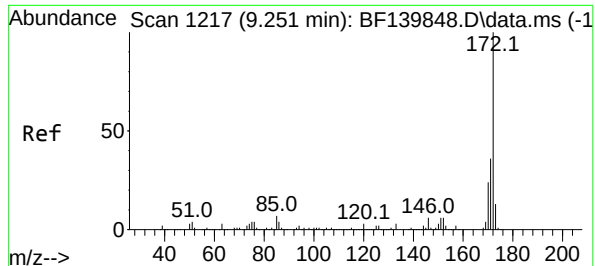
196 100

198 94.9 75.8 113.6

97 52.0 41.8 62.6

132 28.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 23.073 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

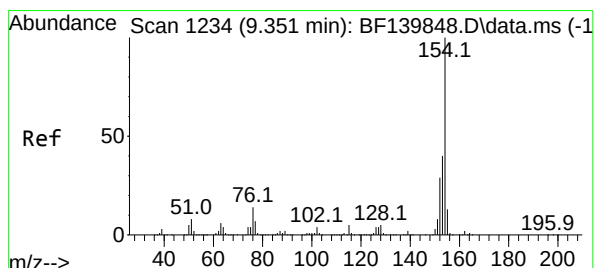
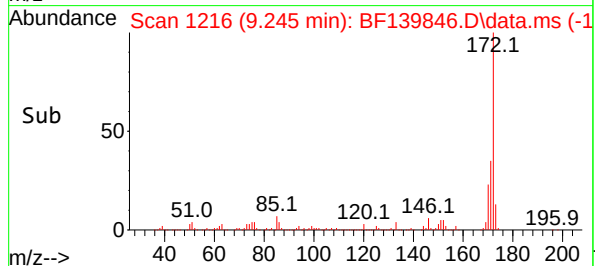
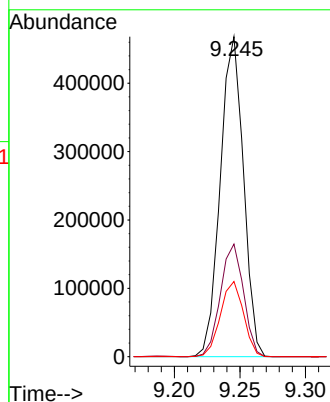
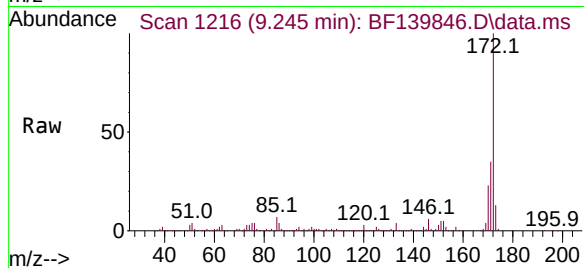
Tgt Ion:172 Resp: 574563

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 11.035 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

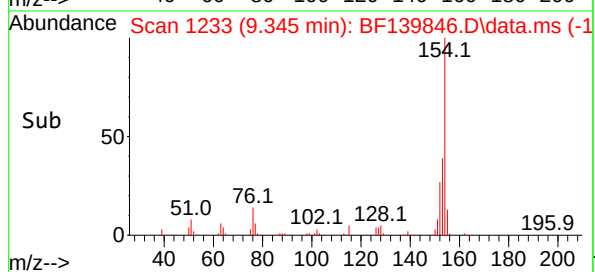
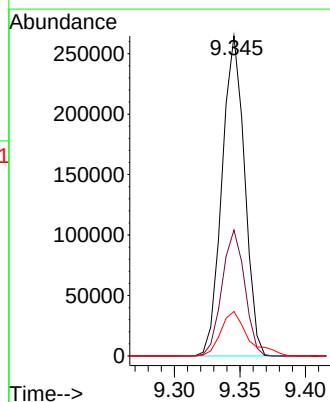
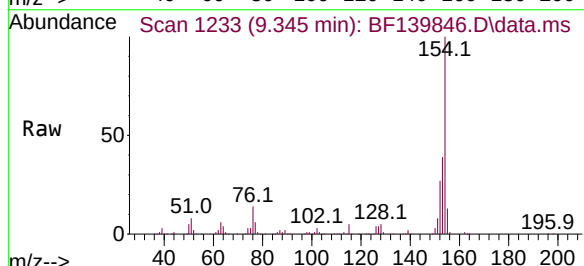
Tgt Ion:154 Resp: 316146

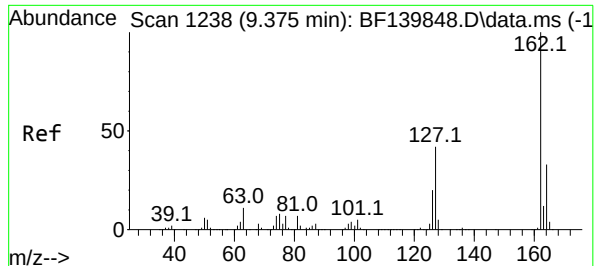
Ion Ratio Lower Upper

154 100

153 39.4 20.3 60.3

76 13.9 0.0 33.9





#47

2-Chloronaphthalene

Concen: 10.927 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

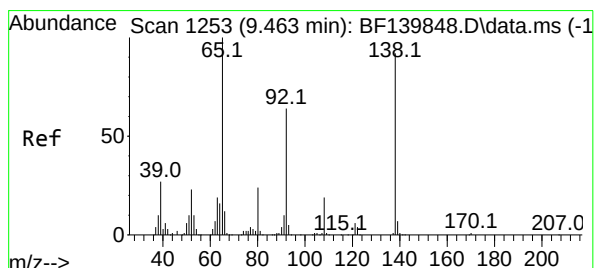
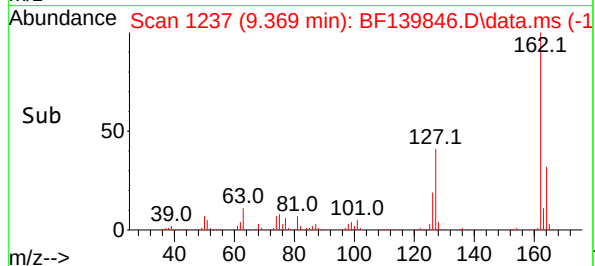
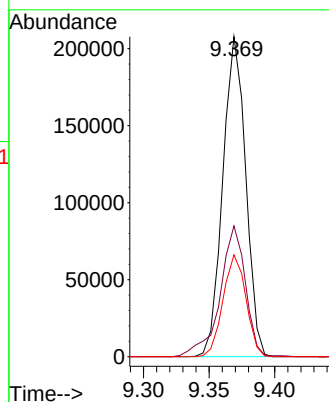
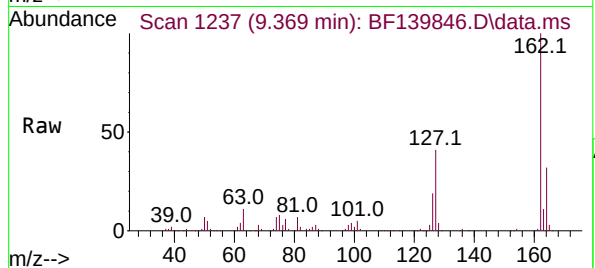
Tgt Ion:162 Resp: 252140

Ion Ratio Lower Upper

162 100

127 40.9 33.8 50.6

164 31.8 26.6 39.8



#48

2-Nitroaniline

Concen: 9.270 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

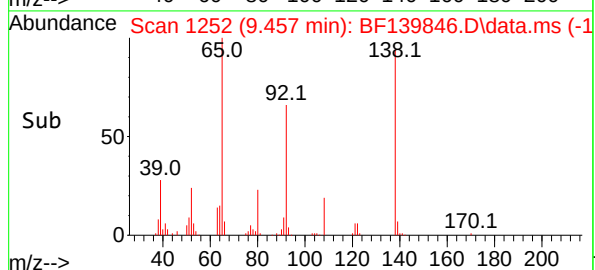
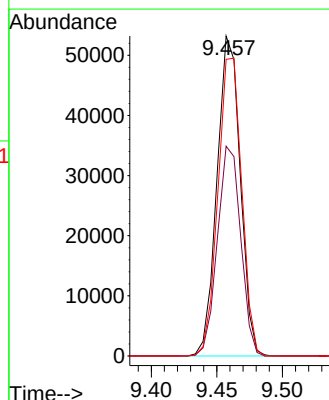
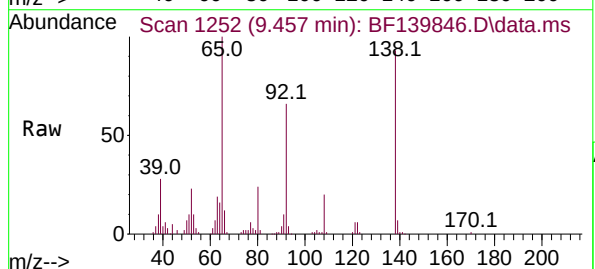
Tgt Ion: 65 Resp: 65425

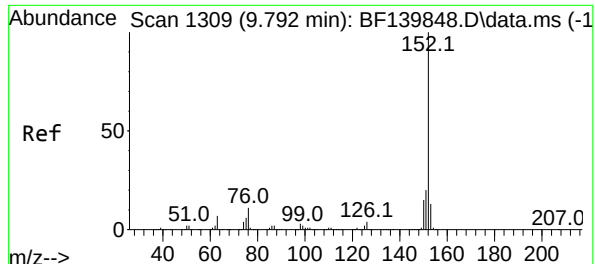
Ion Ratio Lower Upper

65 100

92 65.5 50.9 76.3

138 92.7 73.4 110.0





#49

Acenaphthylene

Concen: 10.833 ng

RT: 9.787 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

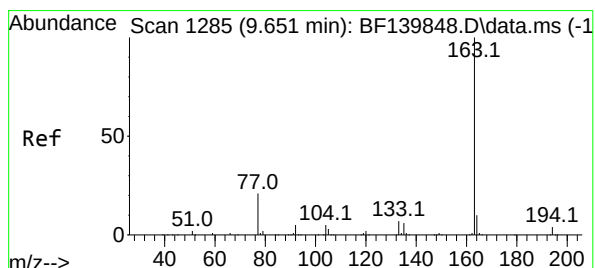
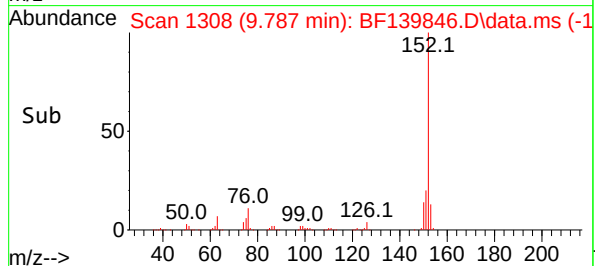
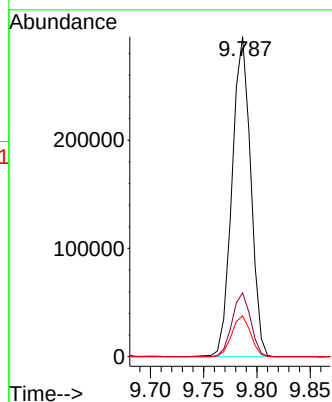
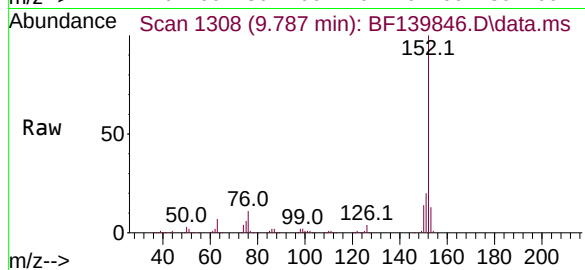
Tgt Ion:152 Resp: 361398

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 12.7 10.7 16.1



#50

Dimethylphthalate

Concen: 10.792 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

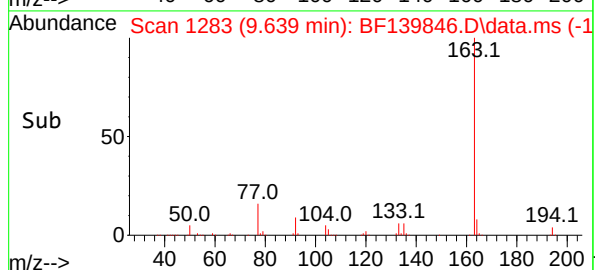
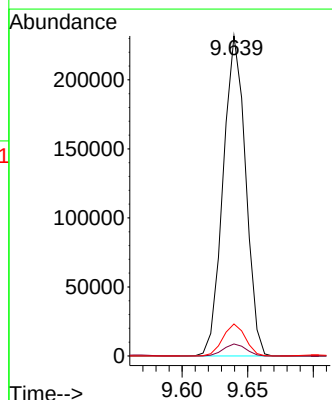
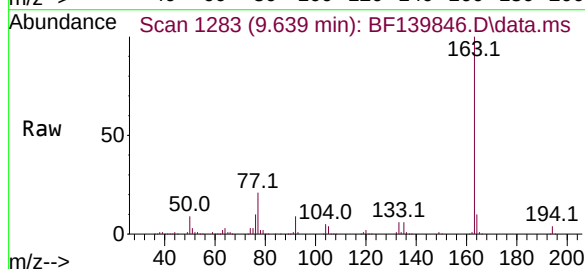
Tgt Ion:163 Resp: 276645

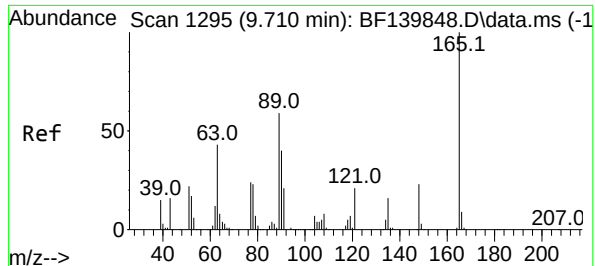
Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

164 10.0 8.2 12.2

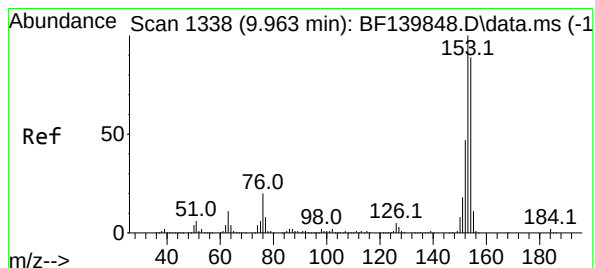
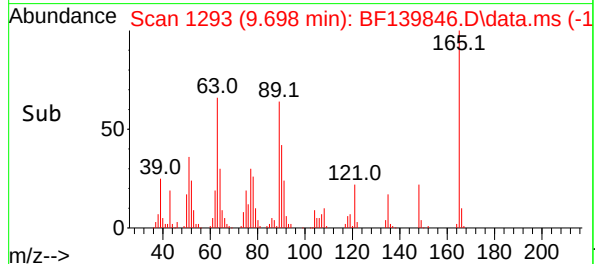
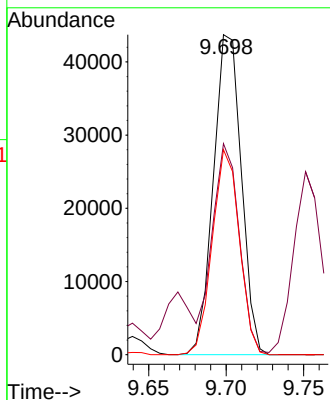
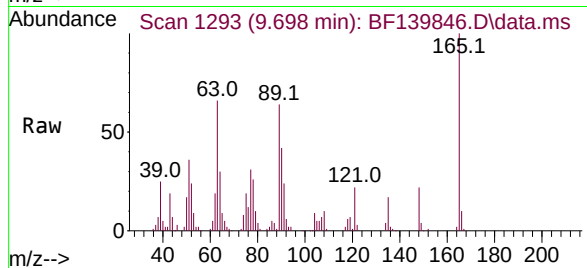




#51
2,6-Dinitrotoluene
Concen: 9.877 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

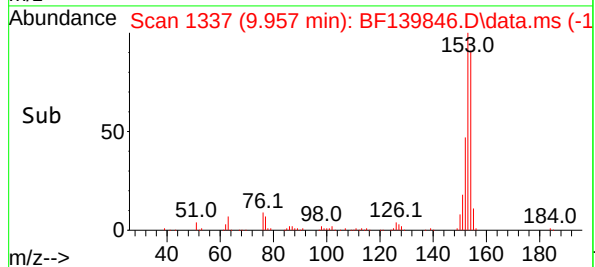
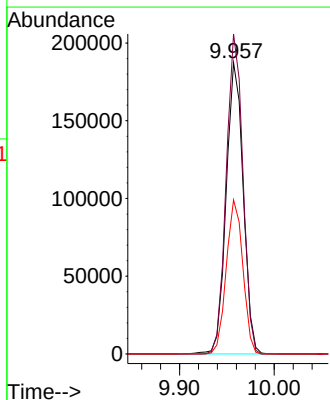
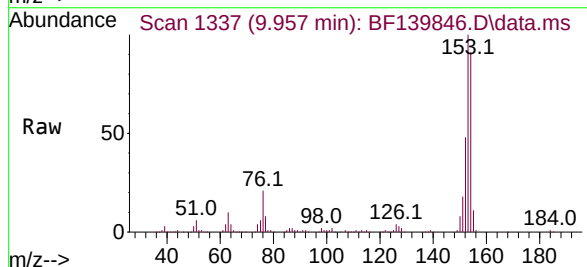
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

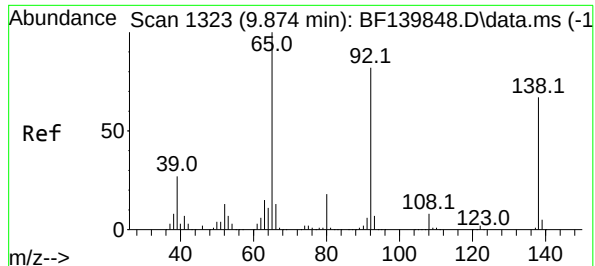
Tgt Ion:165 Resp: 54824
Ion Ratio Lower Upper
165 100
63 66.0 50.6 75.8
89 64.1 47.5 71.3



#52
Acenaphthene
Concen: 10.832 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:154 Resp: 233749
Ion Ratio Lower Upper
154 100
153 109.8 89.8 134.6
152 52.9 42.4 63.6

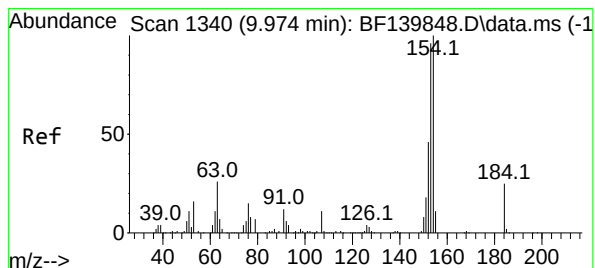
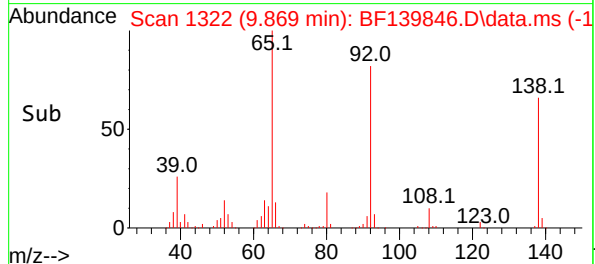
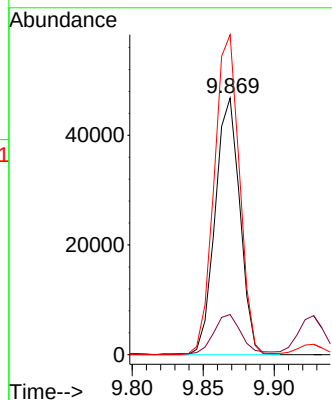
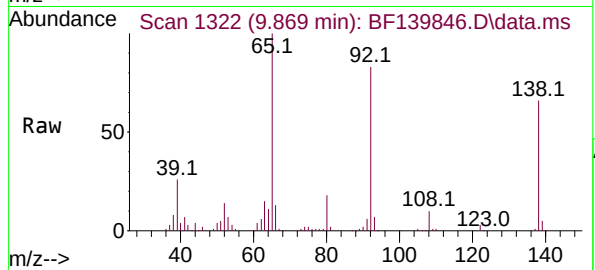




#53
3-Nitroaniline
Concen: 9.884 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

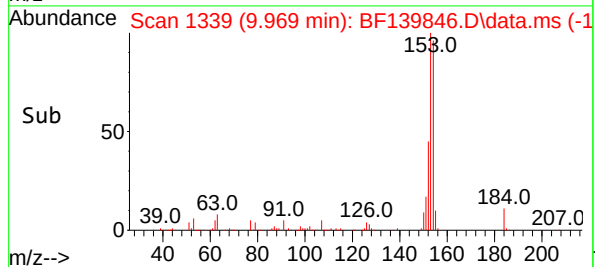
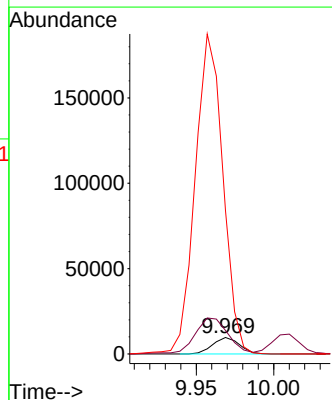
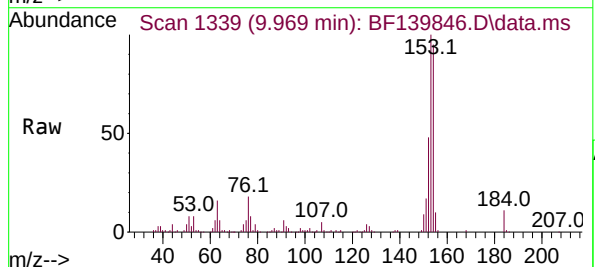
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

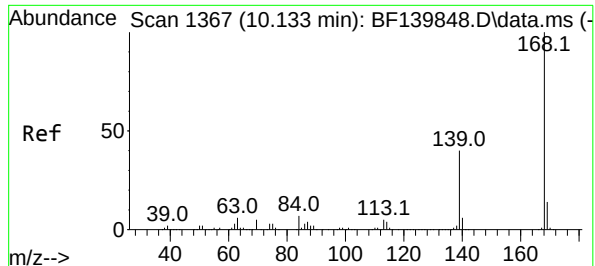
Tgt Ion:138 Resp: 56574
Ion Ratio Lower Upper
138 100
108 15.7 10.2 15.2#
92 124.7 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 11.138 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.005 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:184 Resp: 11577
Ion Ratio Lower Upper
184 100
63 142.4 84.7 127.1#
154 870.2 338.2 507.2#





#55

Dibenzenofuran

Concen: 11.028 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

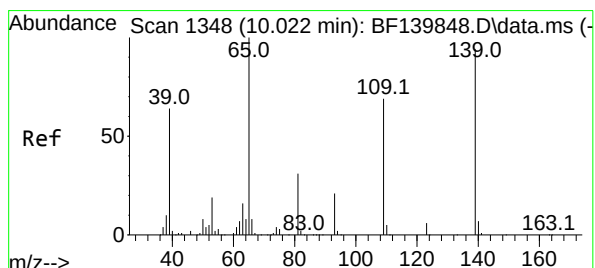
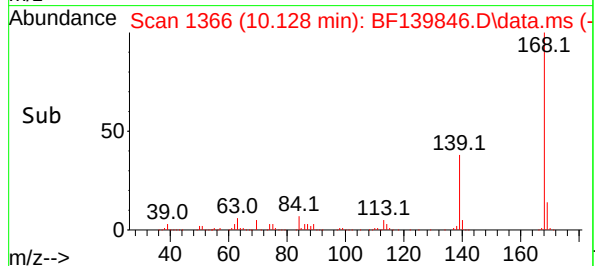
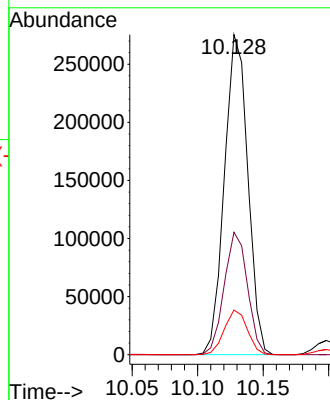
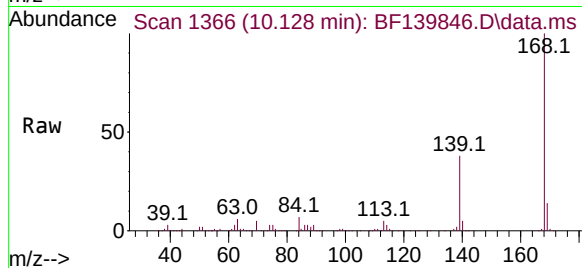
Tgt Ion:168 Resp: 341446

Ion Ratio Lower Upper

168 100

139 38.2 31.8 47.6

169 13.9 11.6 17.4



#56

4-Nitrophenol

Concen: 9.694 ng

RT: 10.010 min Scan# 1346

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

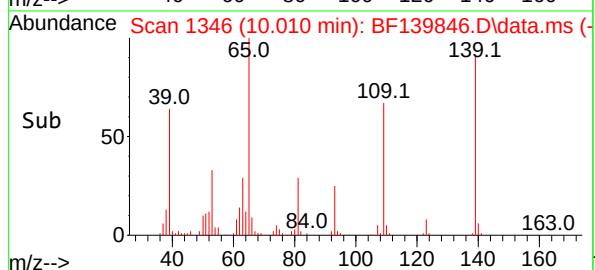
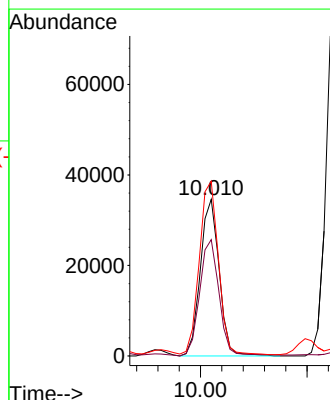
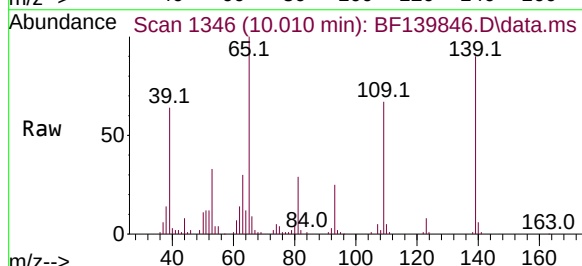
Tgt Ion:139 Resp: 42688

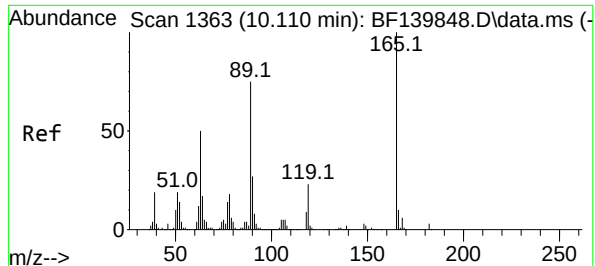
Ion Ratio Lower Upper

139 100

109 74.3 53.6 93.6

65 111.6 87.8 127.8

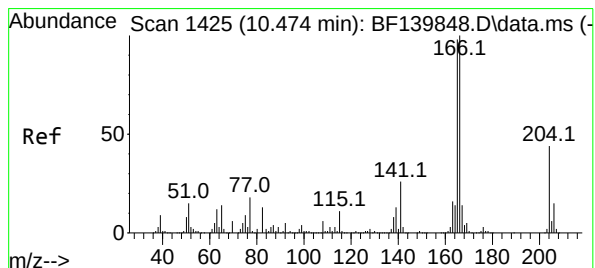
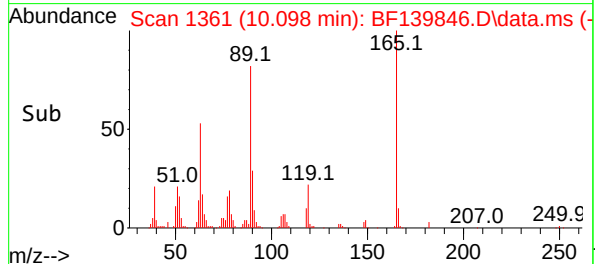
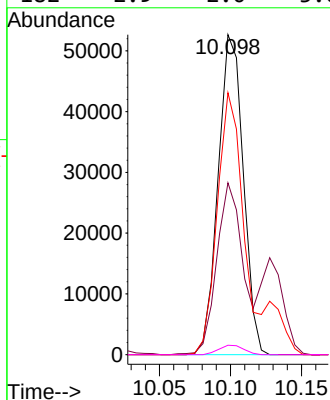
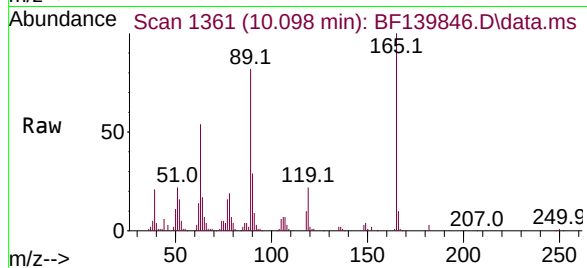




#57
2,4-Dinitrotoluene
Concen: 9.474 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

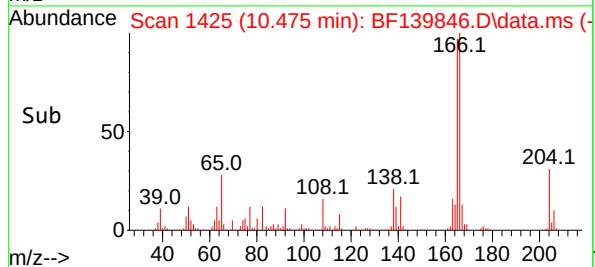
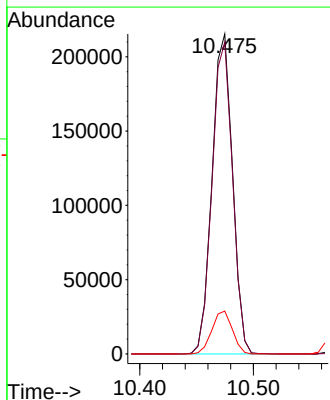
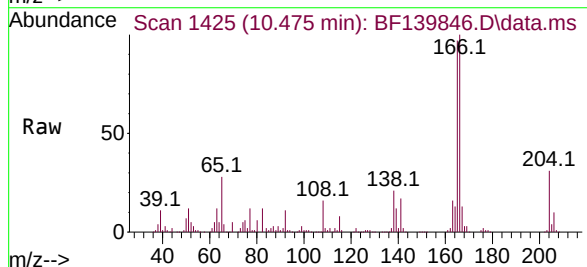
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

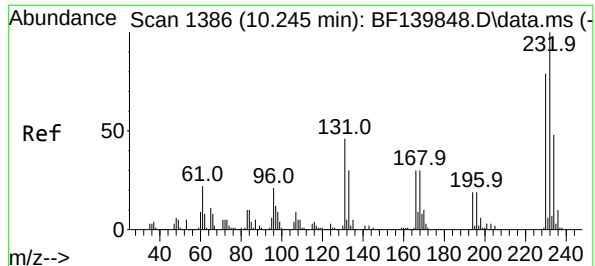
Tgt Ion:165 Resp: 64666
Ion Ratio Lower Upper
165 100
63 53.7 40.1 60.1
89 81.9 60.4 90.6
182 2.9 2.0 3.0



#58
Fluorene
Concen: 11.420 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:166 Resp: 269323
Ion Ratio Lower Upper
166 100
165 97.4 78.5 117.7
167 13.4 10.9 16.3

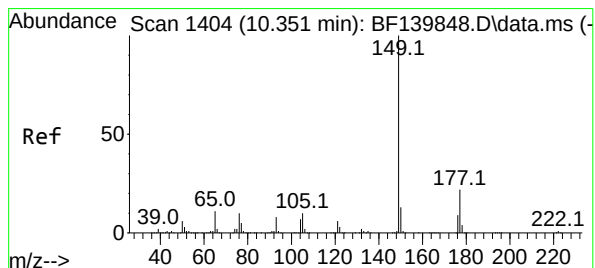
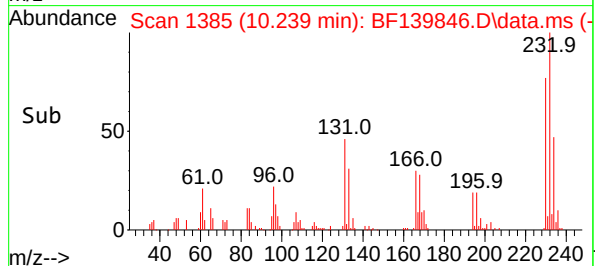
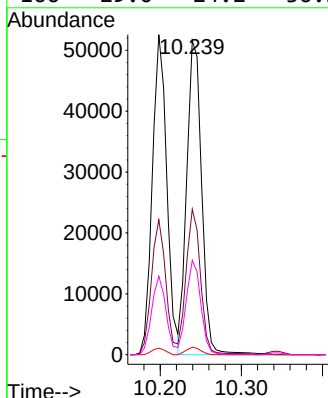
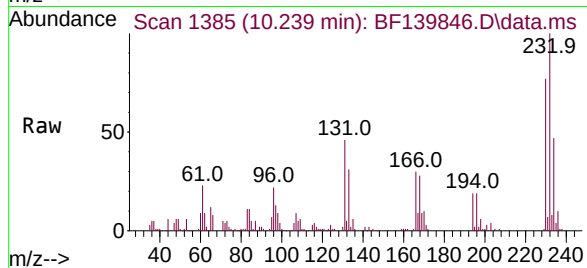




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.408 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

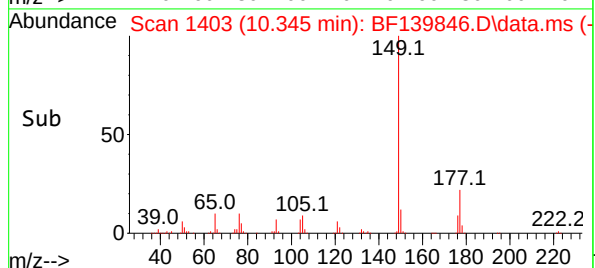
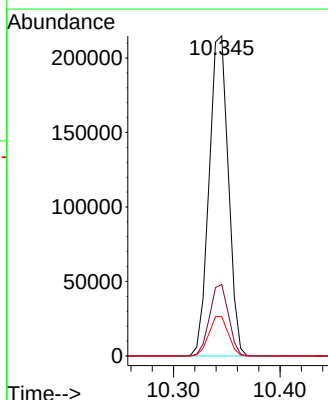
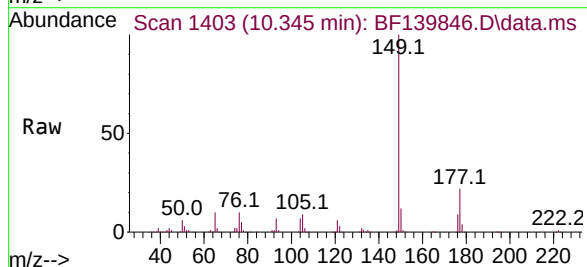
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

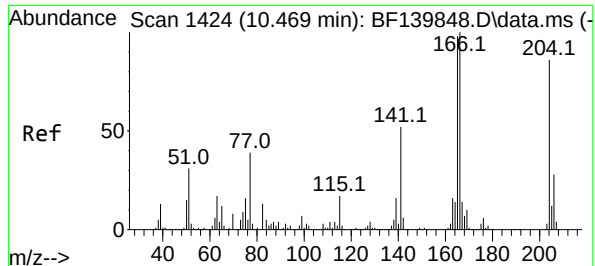
Tgt Ion:232 Resp: 66170
Ion Ratio Lower Upper
232 100
131 44.4 37.0 55.6
130 2.3 1.9 2.9
166 29.0 24.2 36.2



#60
Diethylphthalate
Concen: 10.694 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 269178
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.3 10.1 15.1

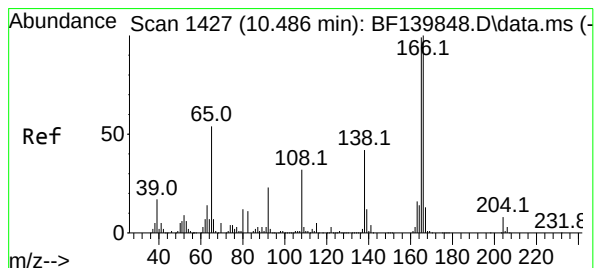
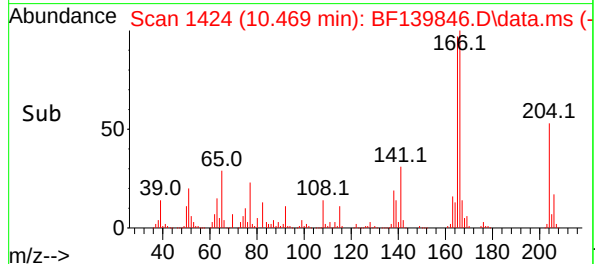
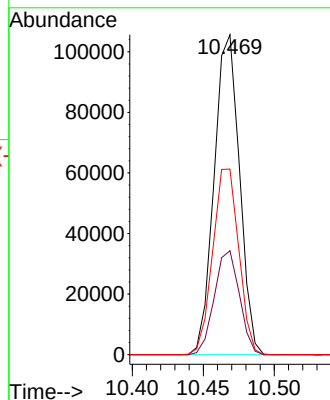
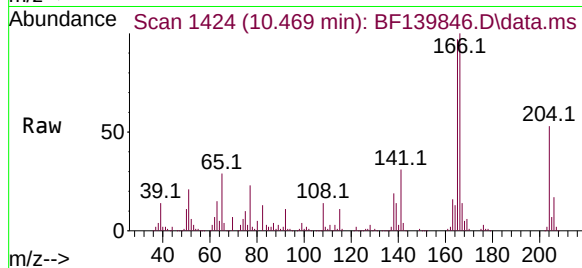




#61
4-Chlorophenyl-phenylether
Concen: 11.016 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

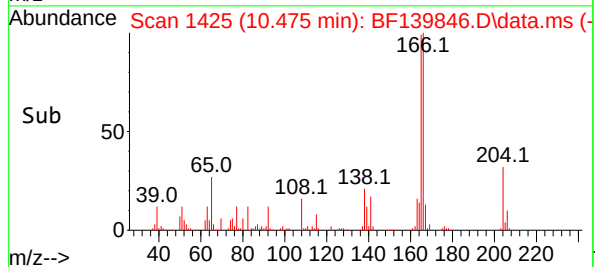
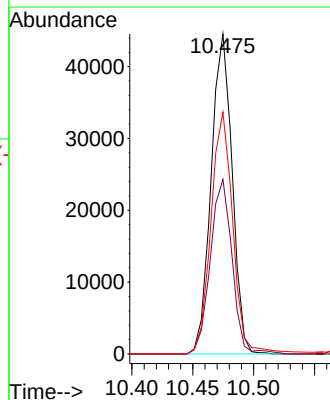
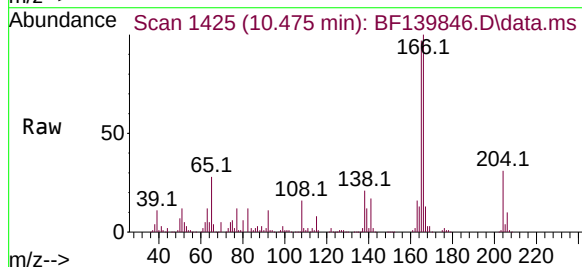
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

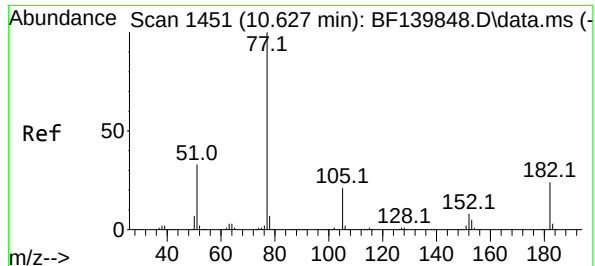
Tgt Ion:204 Resp: 131191
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 58.0 48.6 73.0



#62
4-Nitroaniline
Concen: 9.857 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:138 Resp: 53288
Ion Ratio Lower Upper
138 100
92 54.6 35.7 75.7
108 75.6 57.5 97.5

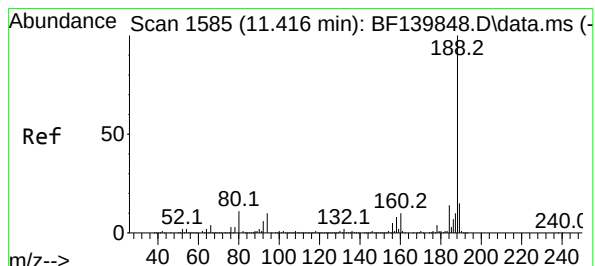
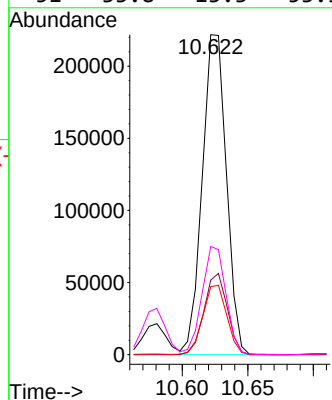
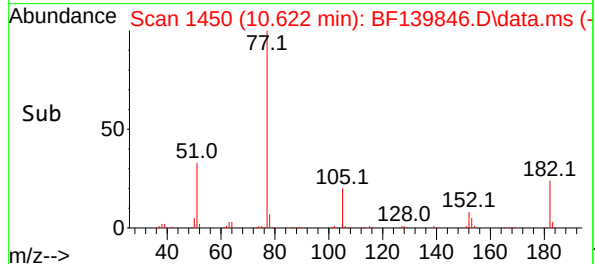
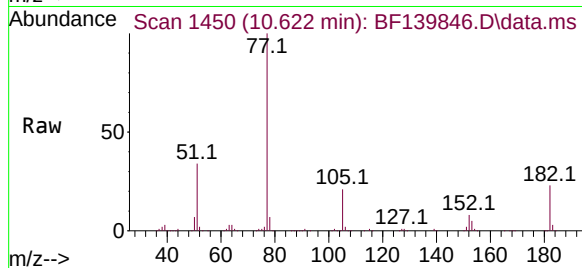




#63
Azobenzene
Concen: 10.679 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

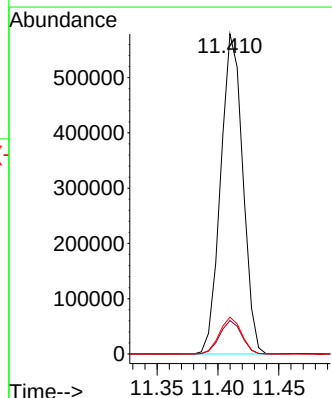
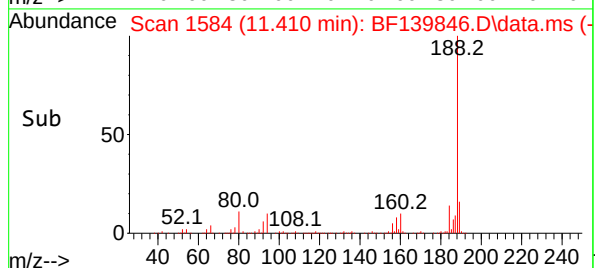
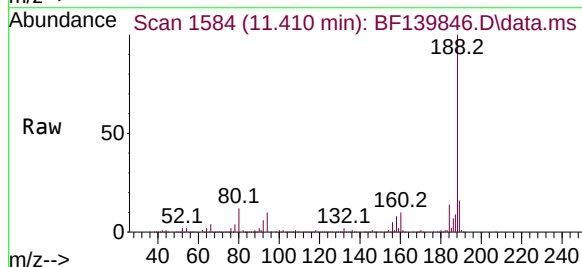
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

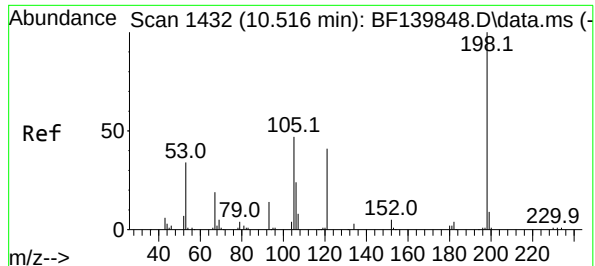
Tgt Ion: 77	Resp: 284960
Ion Ratio	Lower Upper
77 100	
182 23.3	3.3 43.3
105 21.3	1.2 41.2
51 33.8	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 188	Resp: 732661
Ion Ratio	Lower Upper
188 100	
94 10.5	7.9 11.9
80 11.5	9.0 13.4

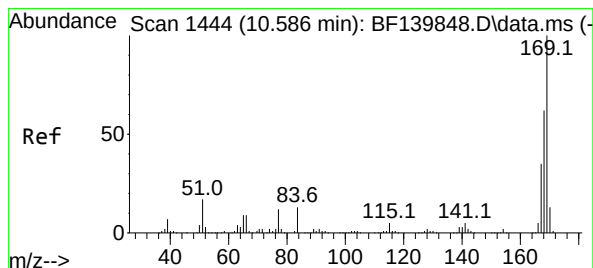
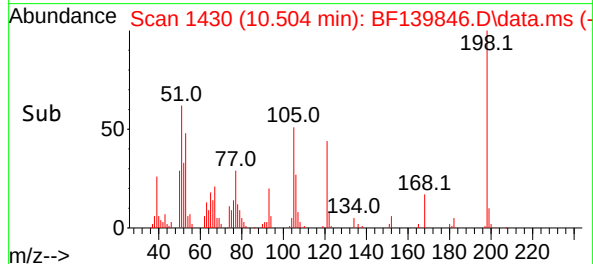
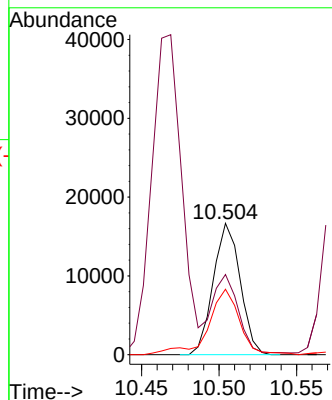
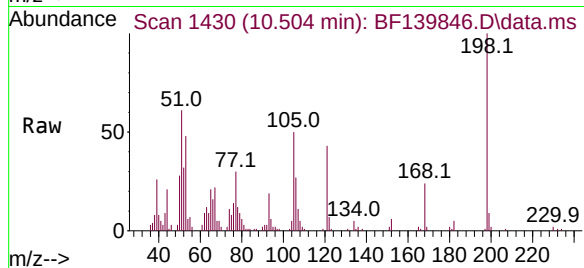




#65
4,6-Dinitro-2-methylphenol
Concen: 6.732 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

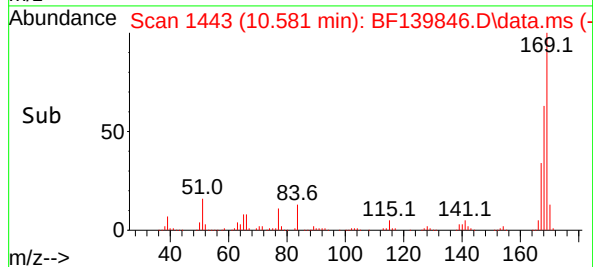
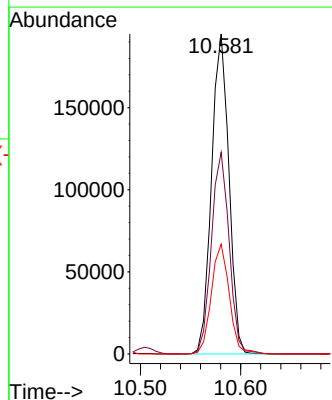
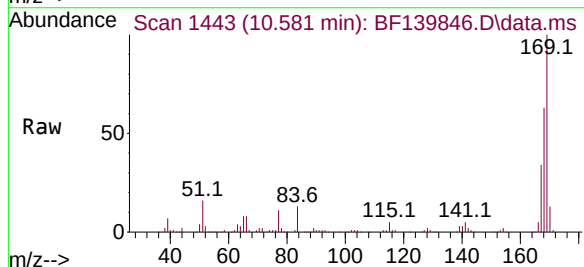
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

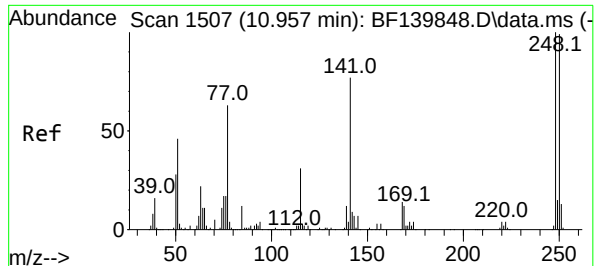
Tgt Ion:198 Resp: 20120
Ion Ratio Lower Upper
198 100
51 61.0 38.2 78.2
105 49.9 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 10.705 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:169 Resp: 234741
Ion Ratio Lower Upper
169 100
168 63.0 49.8 74.6
167 34.3 28.0 42.0

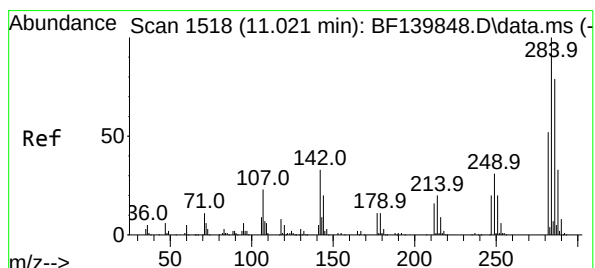
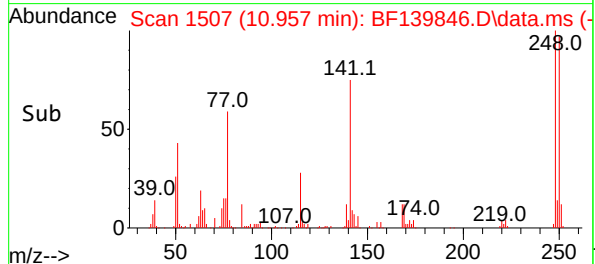
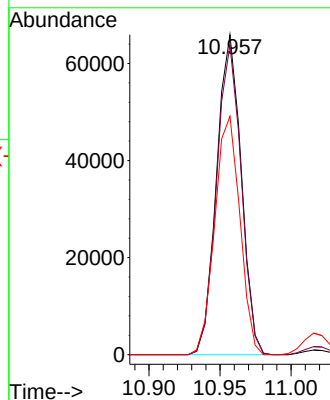
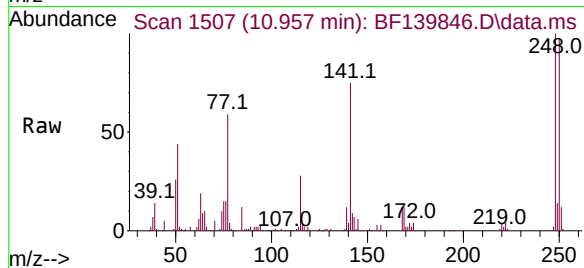




#67
4-Bromophenyl-phenylether
Concen: 10.522 ng
RT: 10.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

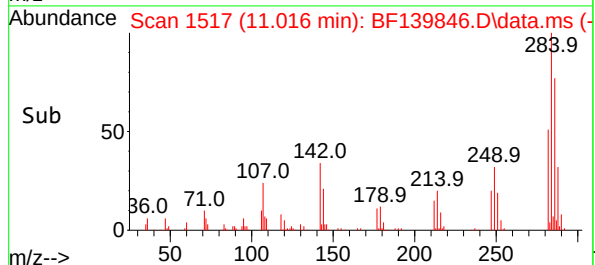
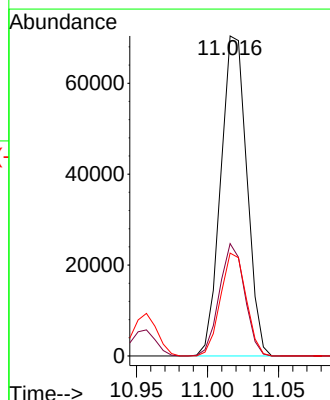
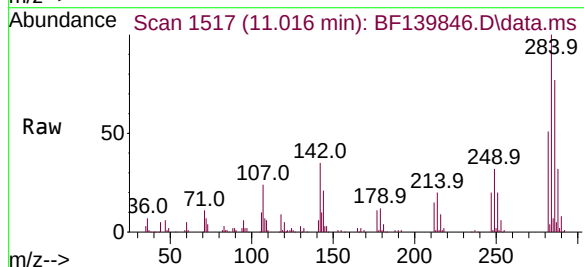
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

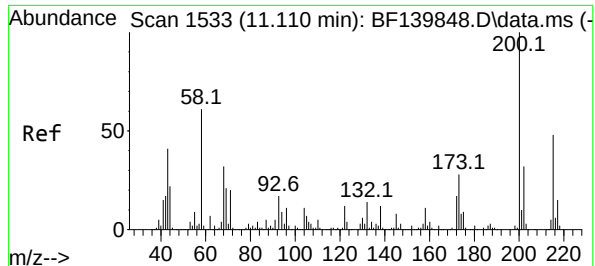
Tgt Ion:248 Resp: 79420
Ion Ratio Lower Upper
248 100
250 96.8 79.0 118.6
141 74.5 61.7 92.5



#68
Hexachlorobenzene
Concen: 10.594 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:284 Resp: 89927
Ion Ratio Lower Upper
284 100
142 35.1 26.9 40.3
249 32.2 25.3 37.9





#69

Atrazine

Concen: 10.819 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

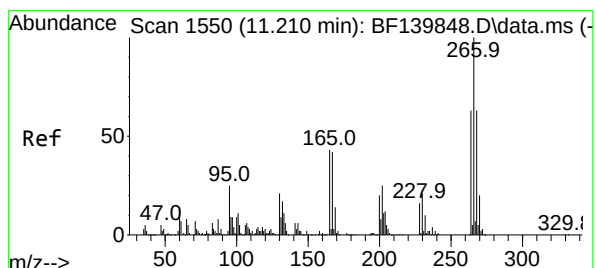
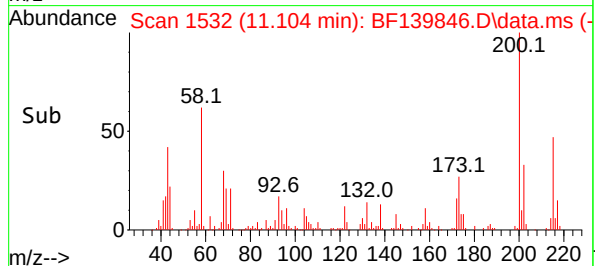
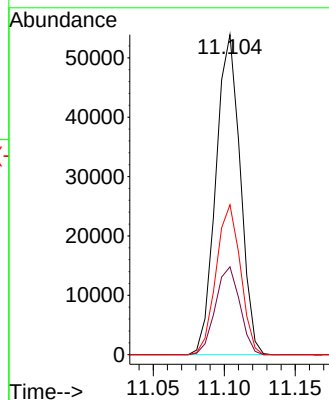
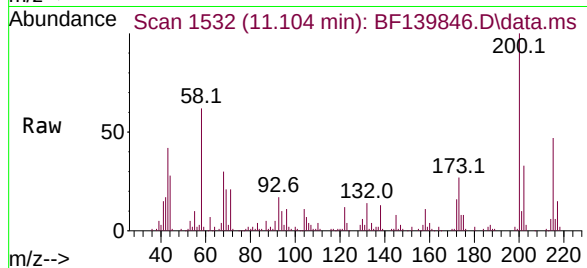
Tgt Ion:200 Resp: 64267

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

215 46.8 27.7 67.7



#70

Pentachlorophenol

Concen: 9.775 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

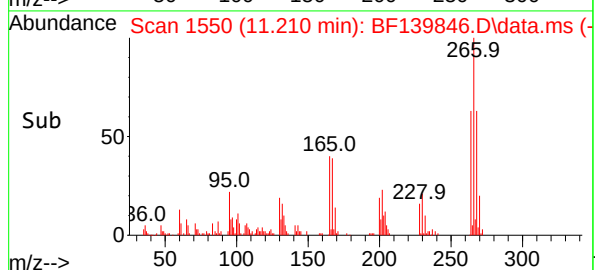
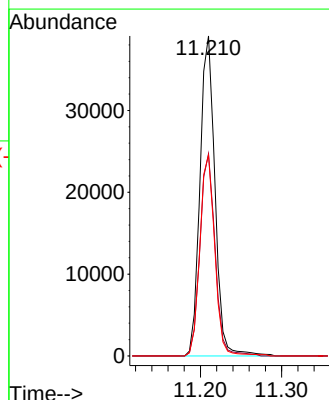
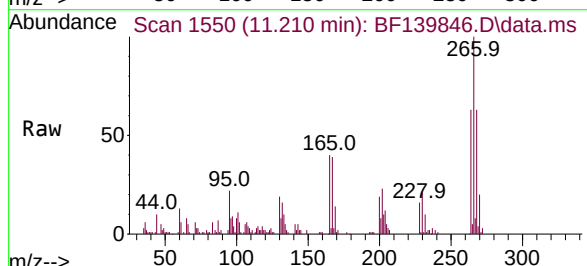
Tgt Ion:266 Resp: 50361

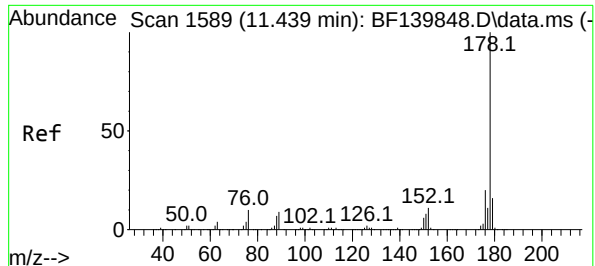
Ion Ratio Lower Upper

266 100

268 63.2 50.4 75.6

264 62.8 50.6 75.8

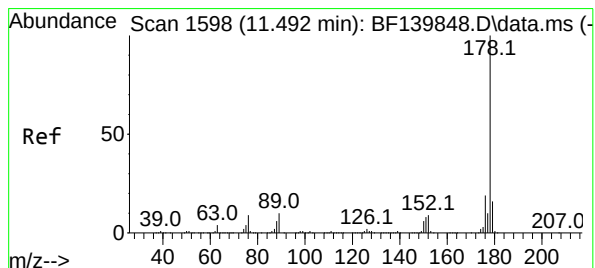
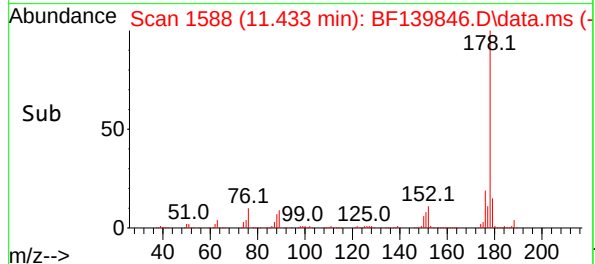
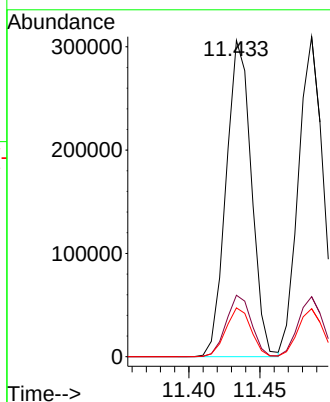
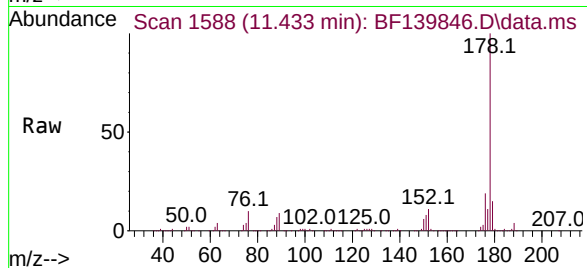




#71
Phenanthrene
Concen: 10.958 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

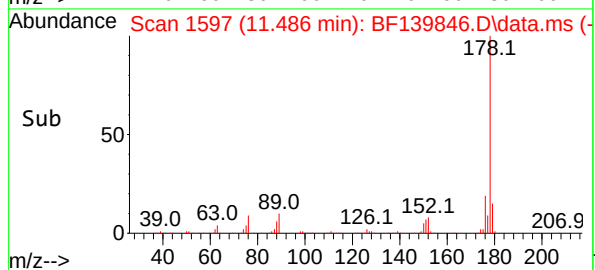
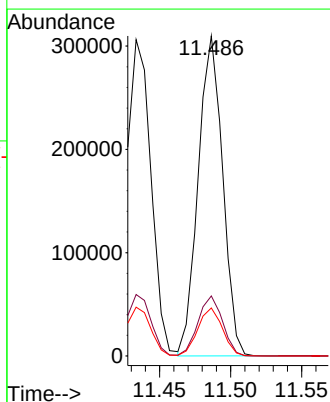
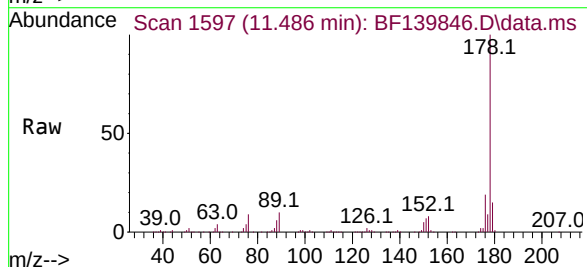
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

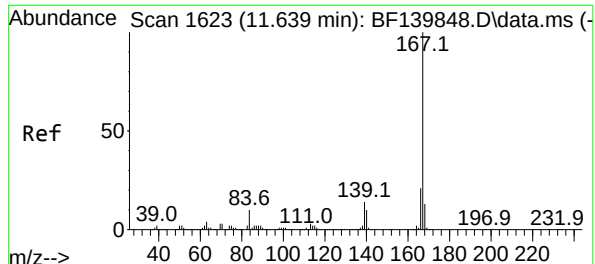
Tgt Ion:178 Resp: 379233
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.4 12.6 18.8



#72
Anthracene
Concen: 10.999 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:178 Resp: 371391
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.0 12.4 18.6

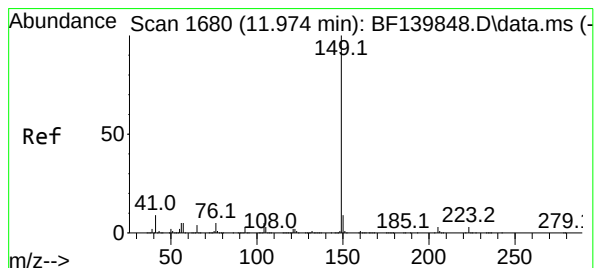
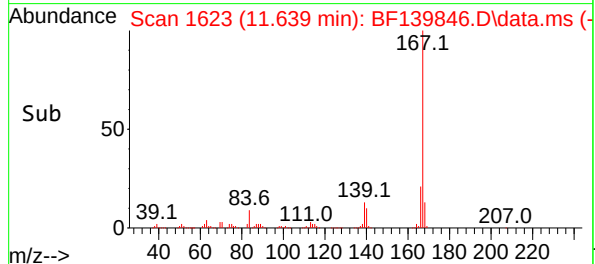
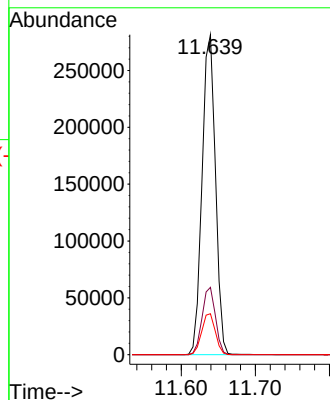
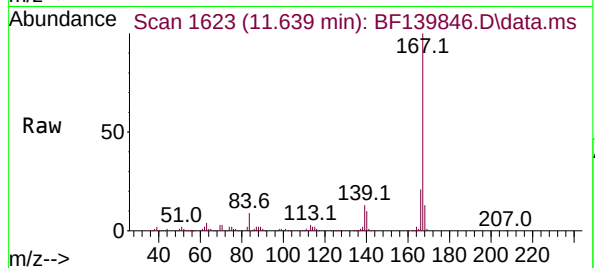




#73
Carbazole
Concen: 11.249 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

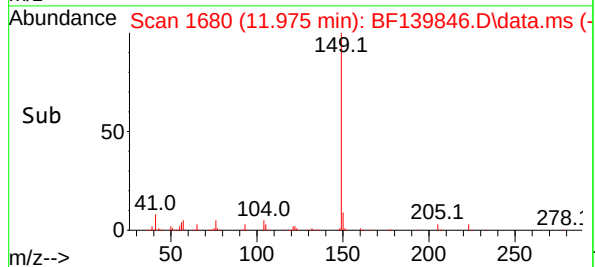
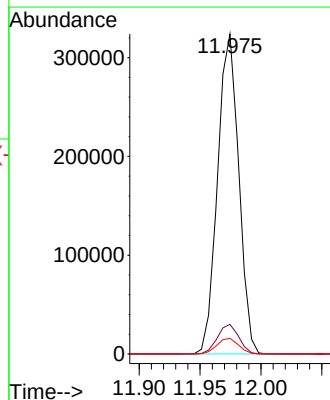
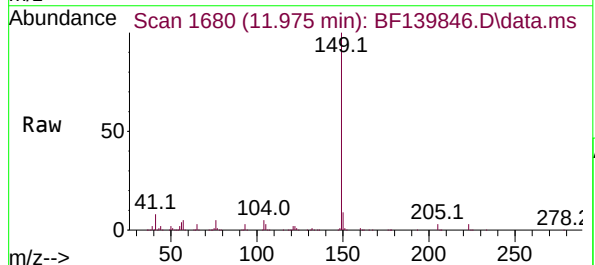
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

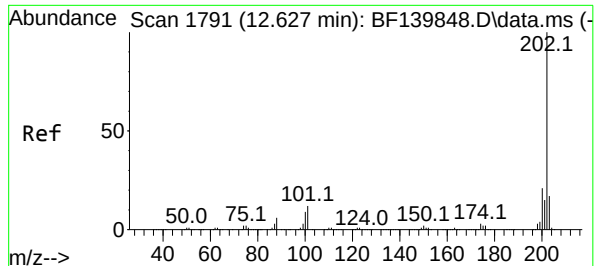
Tgt Ion:167 Resp: 353253
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.8 10.8 16.2



#74
Di-n-butylphthalate
Concen: 10.818 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 392482
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1

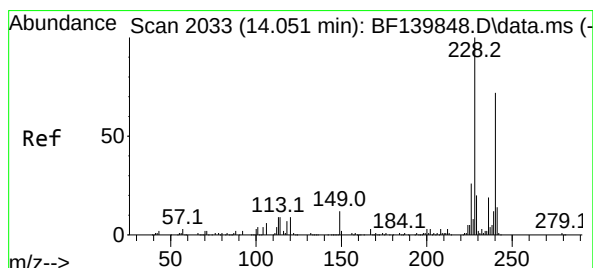
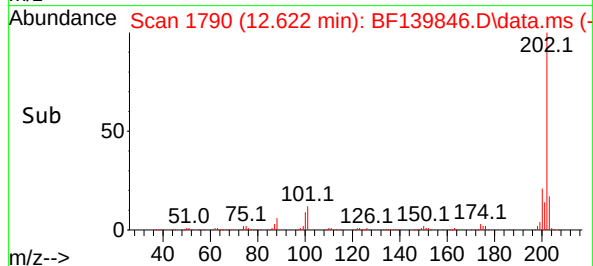
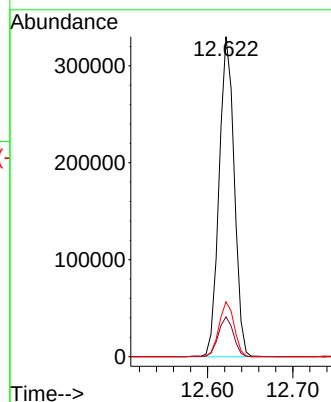
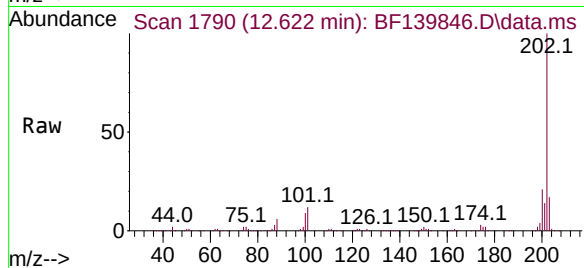




#75
Fluoranthene
Concen: 11.602 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

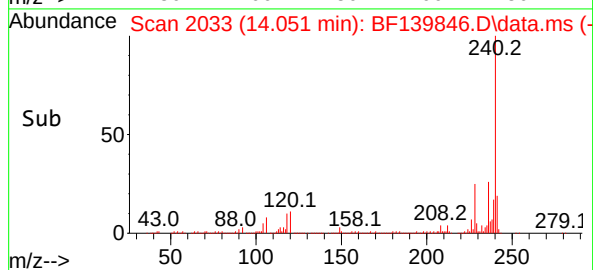
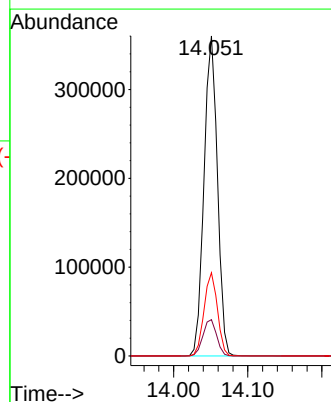
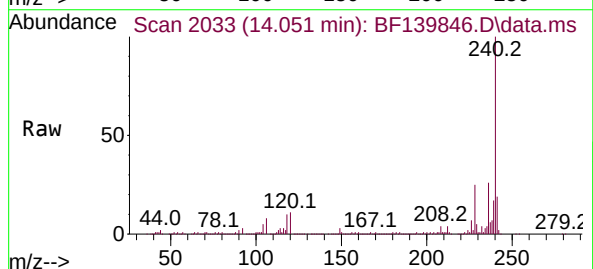
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

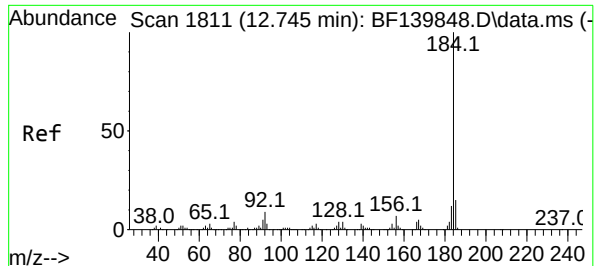
Tgt Ion:202 Resp: 405919
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.9
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:240 Resp: 452443
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 26.0 20.9 31.3

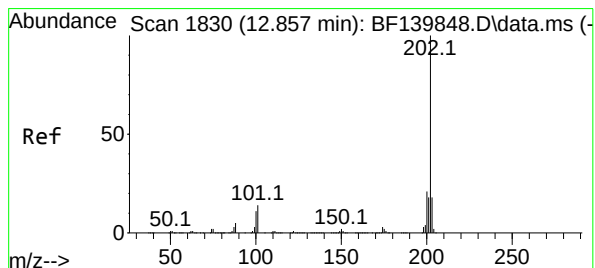
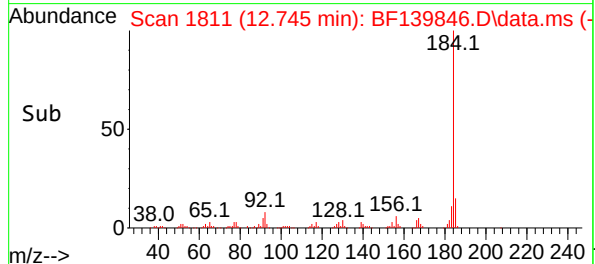
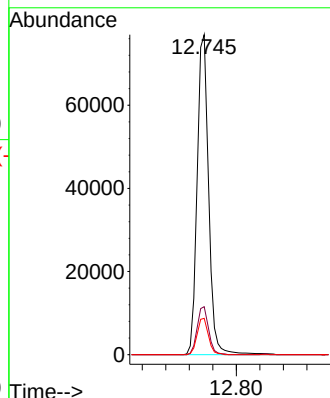
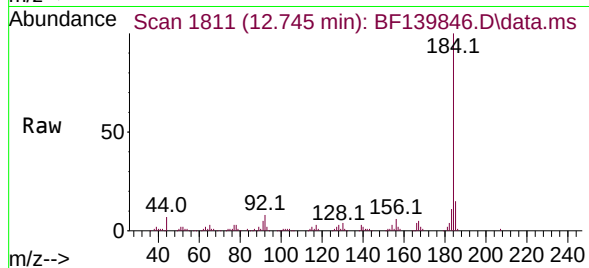




#77
Benzidine
Concen: 14.168 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

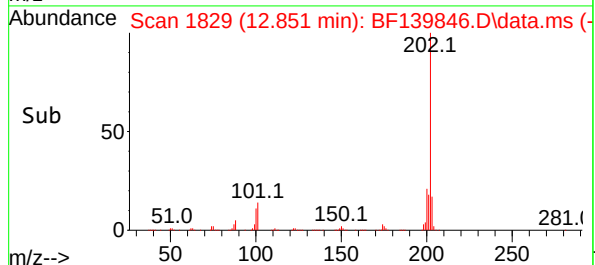
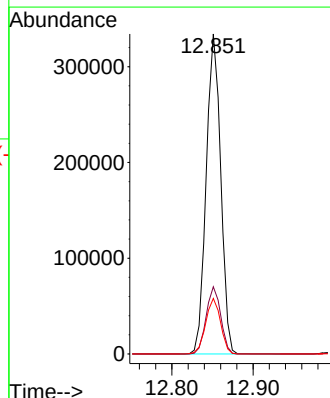
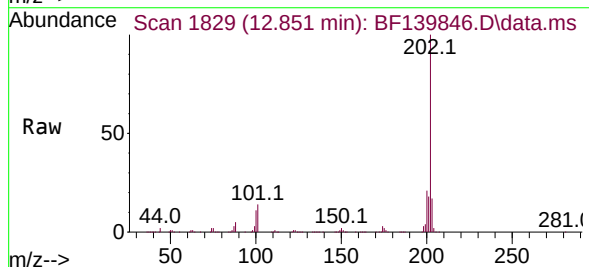
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

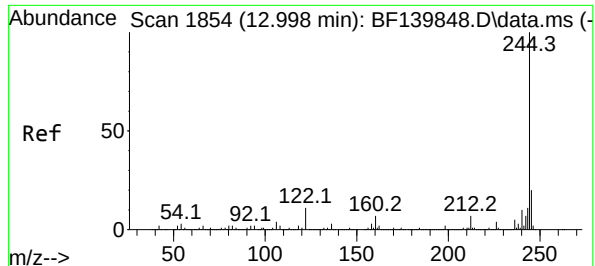
Tgt Ion:184 Resp: 104253
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 11.4 9.4 14.2



#78
Pyrene
Concen: 10.444 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:202 Resp: 413606
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 21.745 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

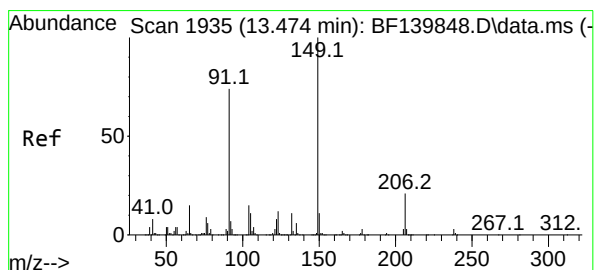
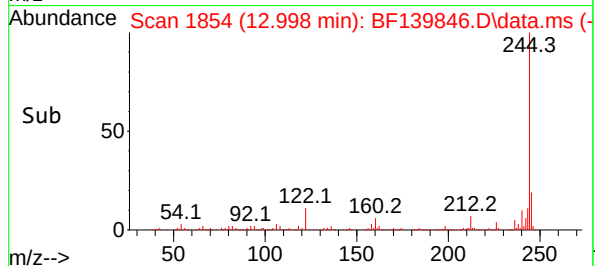
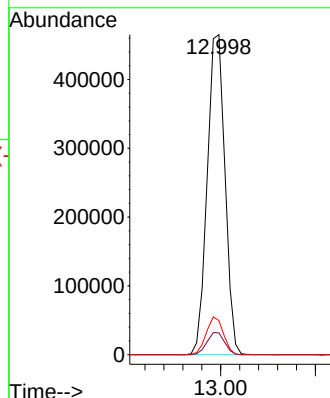
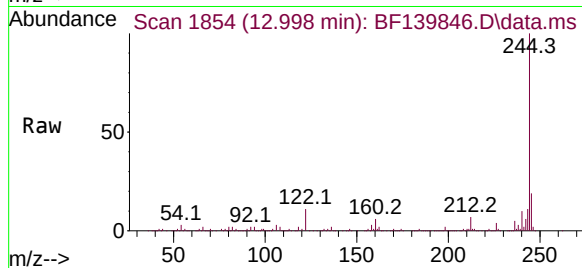
Tgt Ion:244 Resp: 603787

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 9.774 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

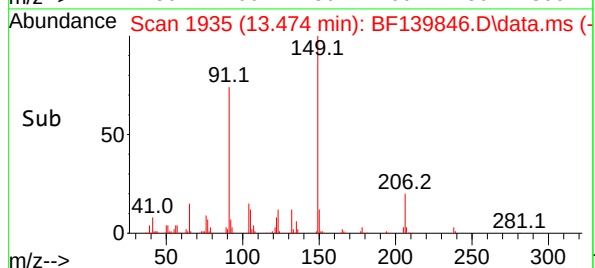
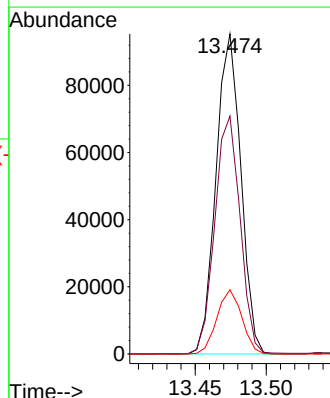
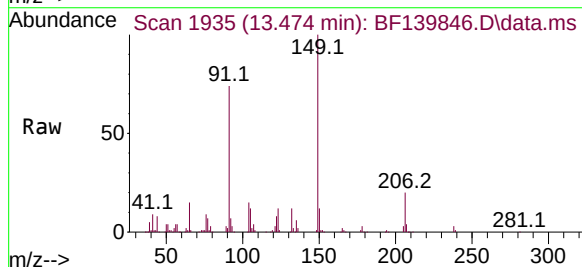
Tgt Ion:149 Resp: 116053

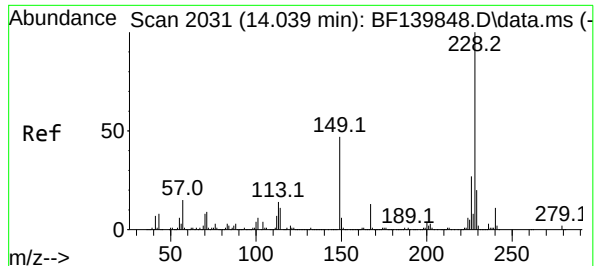
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.1 16.4 24.6

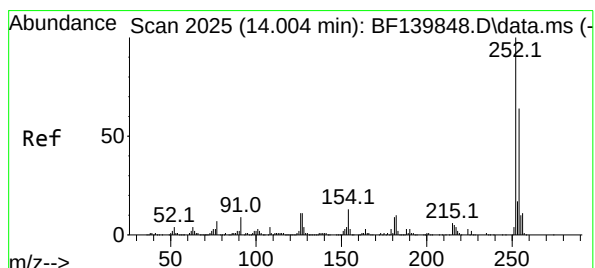
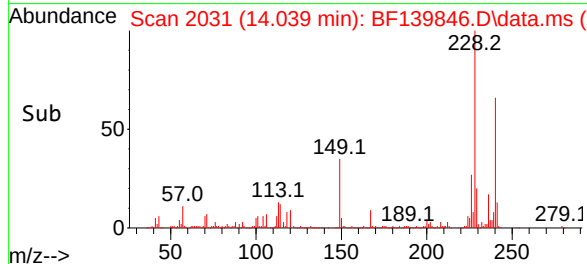
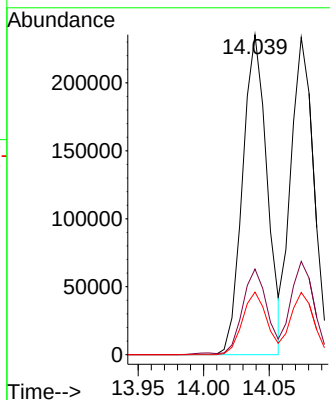
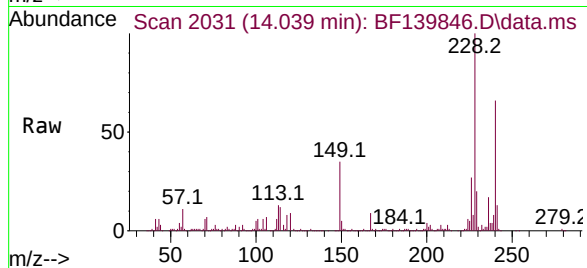




#81
Benzo(a)anthracene
Concen: 10.410 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

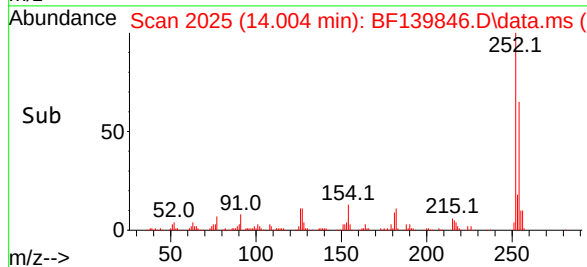
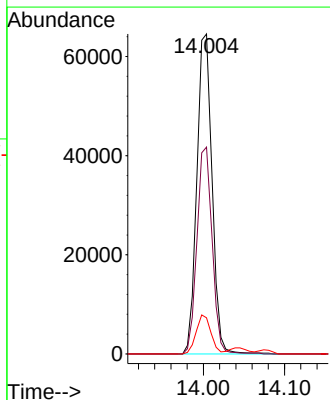
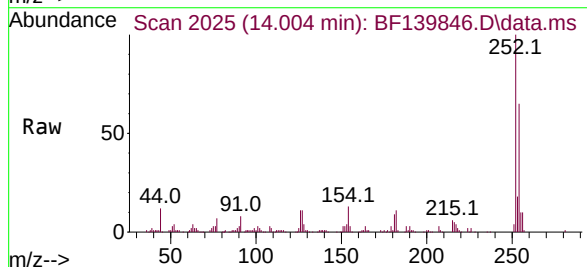
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

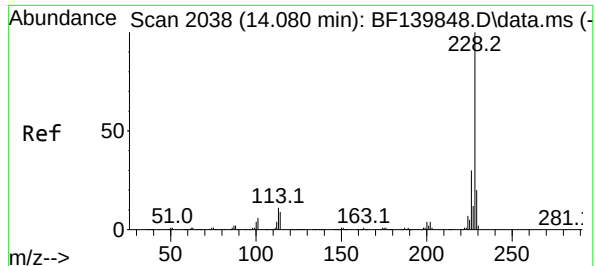
Tgt Ion:228 Resp: 306594
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 19.5 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 9.806 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 84205
Ion Ratio Lower Upper
252 100
254 64.7 50.8 76.2
126 11.3 8.9 13.3





#83

Chrysene

Concen: 10.423 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

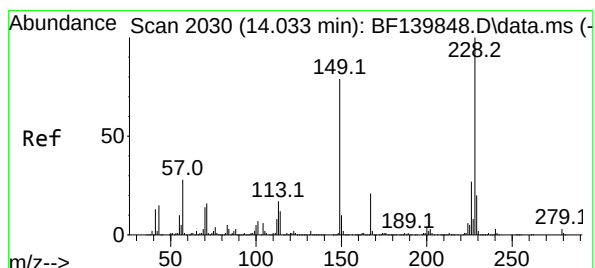
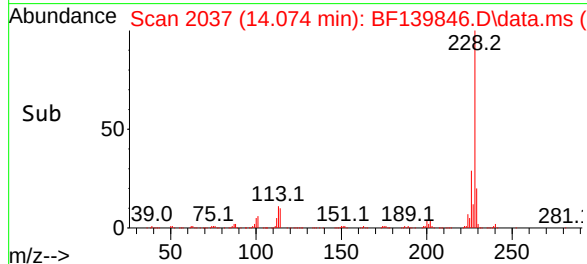
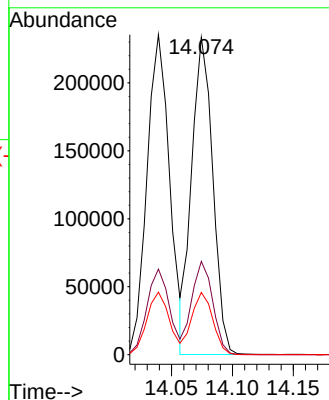
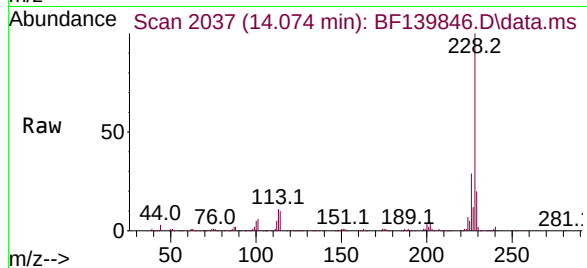
Tgt Ion:228 Resp: 281467

Ion Ratio Lower Upper

228 100

226 29.4 24.1 36.1

229 19.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.153 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

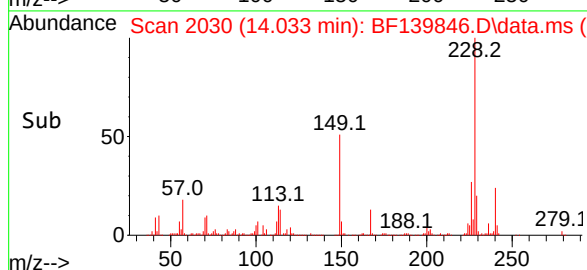
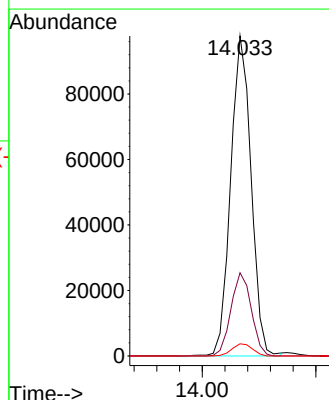
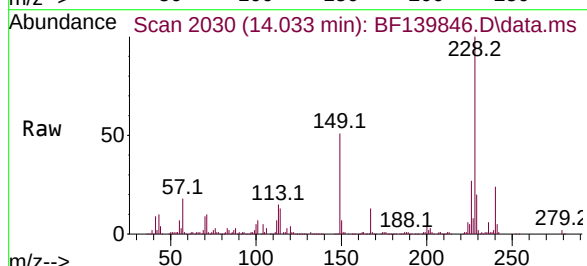
Tgt Ion:149 Resp: 121932

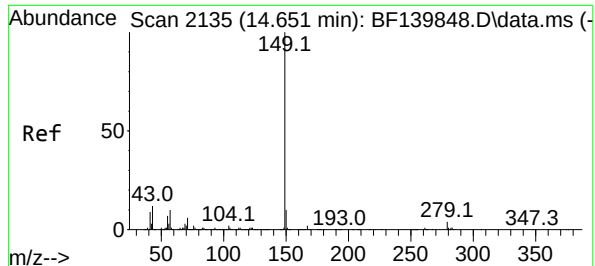
Ion Ratio Lower Upper

149 100

167 26.0 21.4 32.0

279 3.8 3.0 4.4

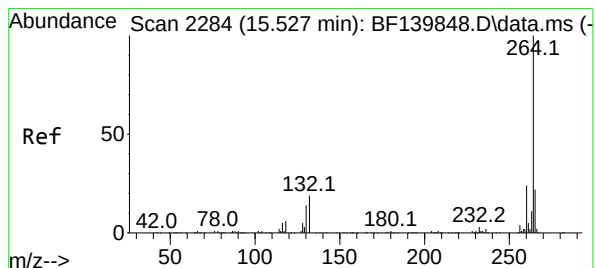
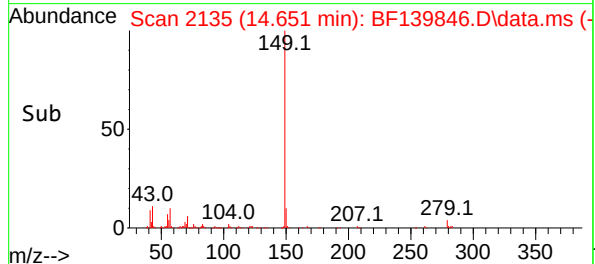
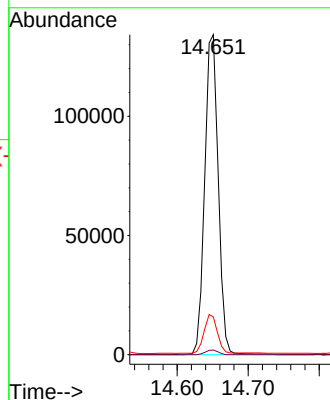
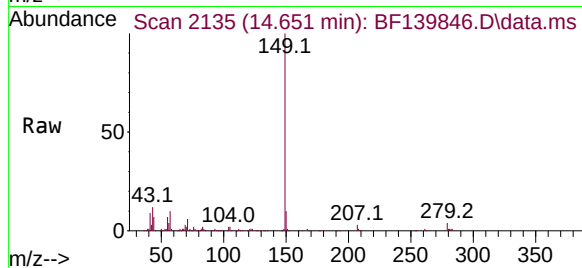




#85
Di-n-octyl phthalate
Concen: 7.339 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

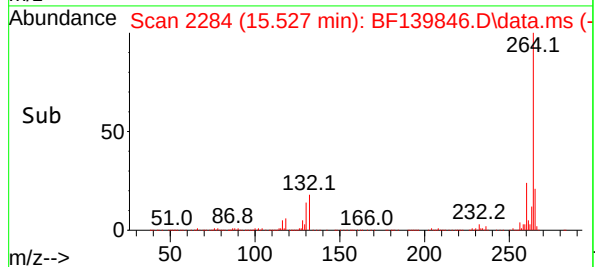
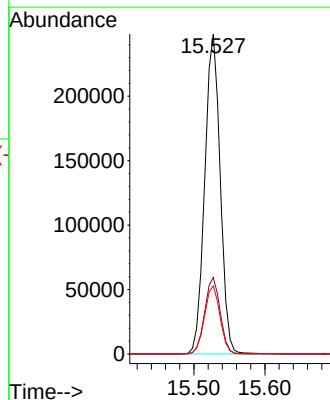
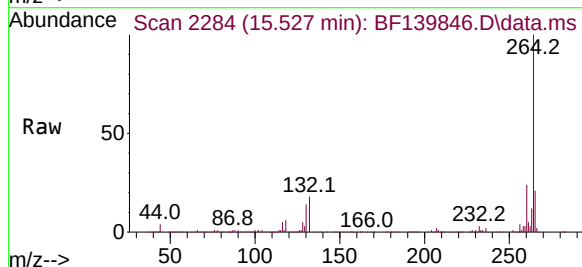
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

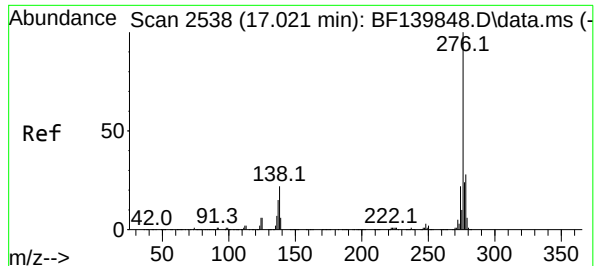
Tgt Ion:149 Resp: 177824
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 11.8 9.8 14.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:264 Resp: 375863
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.3 17.4 26.0

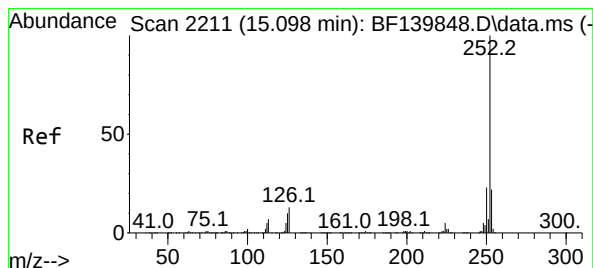
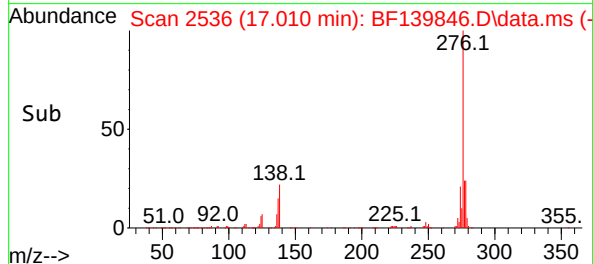
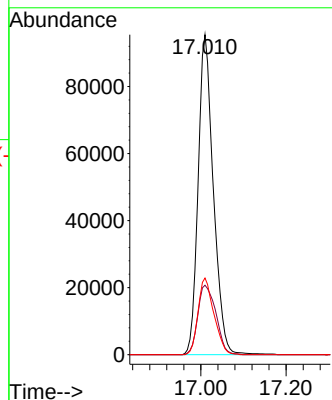
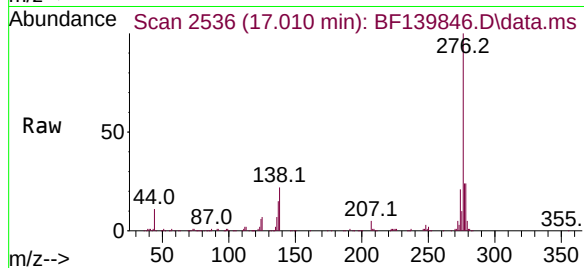




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.798 ng
RT: 17.010 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

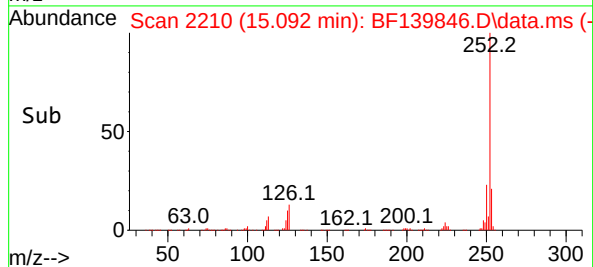
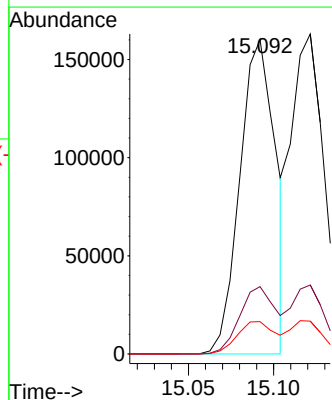
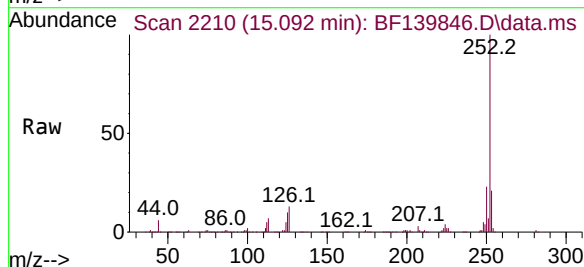
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

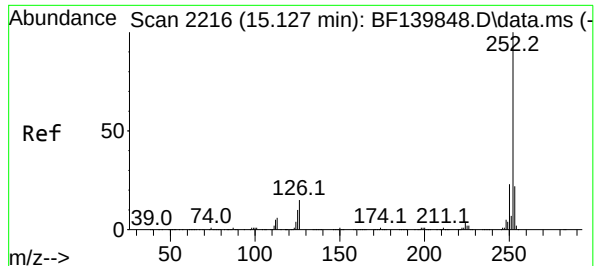
Tgt Ion:276 Resp: 236914
Ion Ratio Lower Upper
276 100
138 25.8 20.4 30.6
277 25.0 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 10.176 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 232988
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 10.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 11.203 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

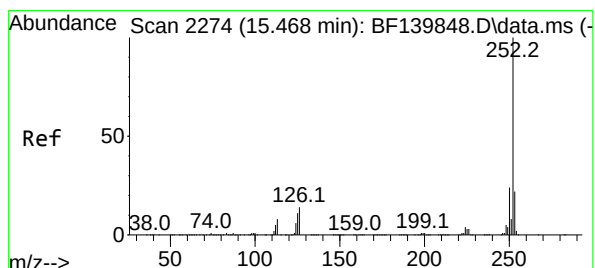
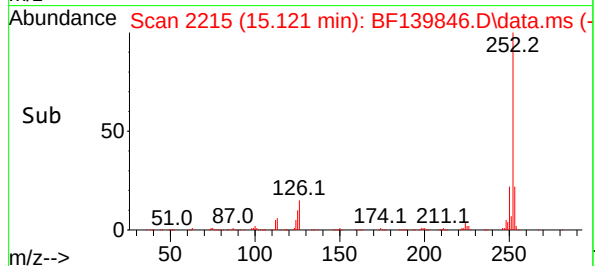
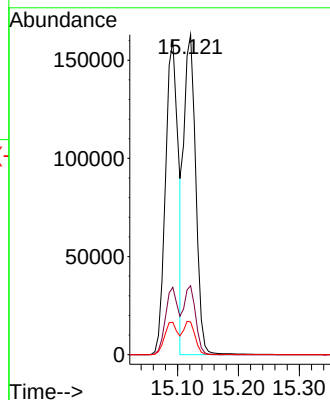
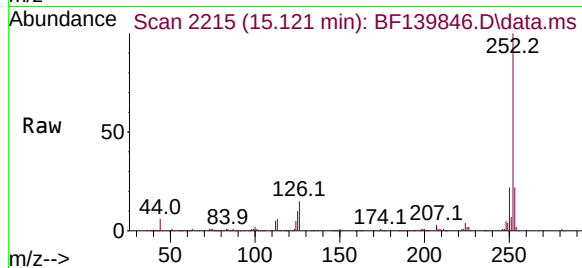
Tgt Ion:252 Resp: 221219

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 10.217 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

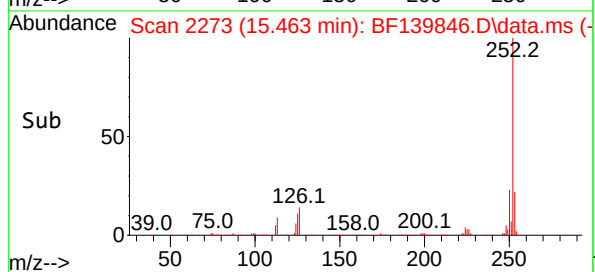
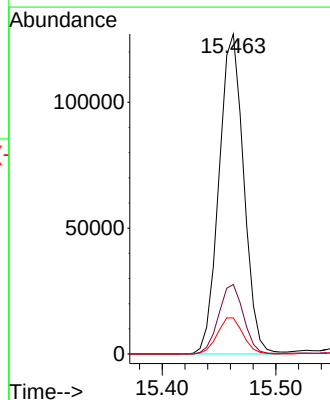
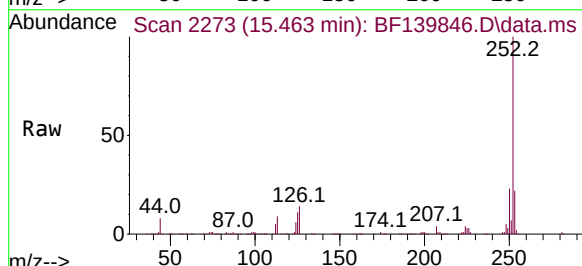
Tgt Ion:252 Resp: 192493

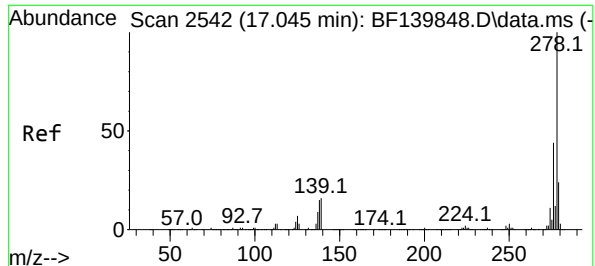
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.3 8.7 13.1

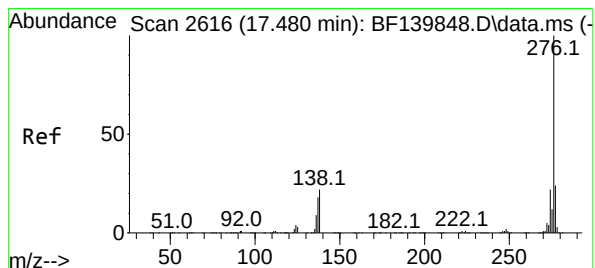
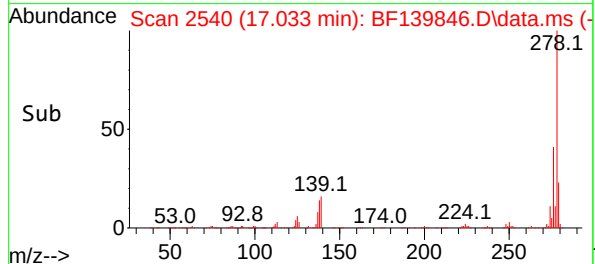
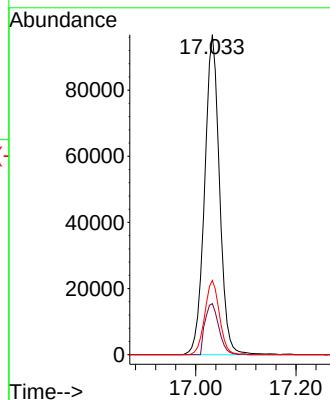
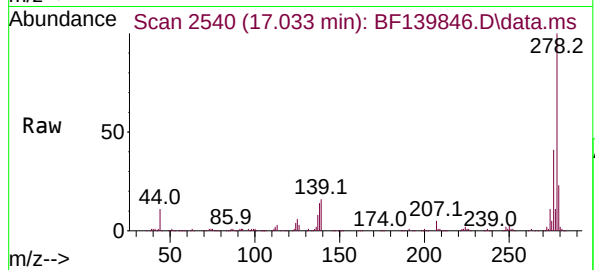




#91
Dibenzo(a,h)anthracene
Concen: 9.912 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

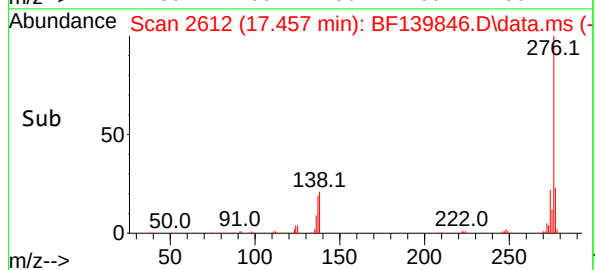
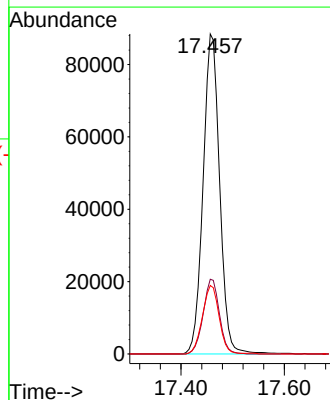
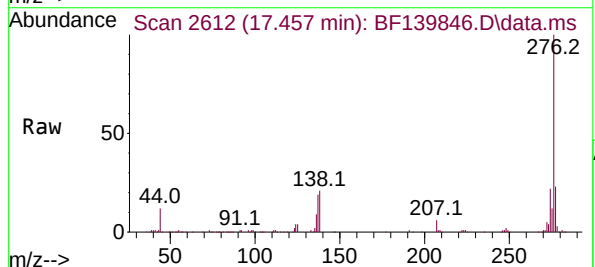
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 199946
Ion Ratio Lower Upper
278 100
139 16.0 13.1 19.7
279 23.2 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 9.758 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:276 Resp: 196609
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139847.D
 Acq On : 18 Oct 2024 11:52
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Oct 18 14:18:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	192582	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	735124	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	413023	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	724973	20.000	ng	0.00
76) Chrysene-d12	14.051	240	402251	20.000	ng	0.00
86) Perylene-d12	15.527	264	371811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	512648	41.673	ng	0.00
7) Phenol-d6	6.504	99	658086	41.304	ng	0.00
23) Nitrobenzene-d5	7.451	82	546550	41.206	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	159165	41.199	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1057523	42.316	ng	0.00
79) Terphenyl-d14	12.998	244	1078101	43.673	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	116188	20.257	ng	98
3) Pyridine	3.440	79	293019	20.611	ng	98
4) n-Nitrosodimethylamine	3.381	42	153824	20.138	ng	99
6) Aniline	6.551	93	311561	20.982	ng	99
8) 2-Chlorophenol	6.669	128	261502	20.794	ng	98
9) Benzaldehyde	6.440	77	200586	22.379	ng	98
10) Phenol	6.516	94	338933	20.269	ng	98
11) bis(2-Chloroethyl)ether	6.622	93	261690	20.612	ng	99
12) 1,3-Dichlorobenzene	6.828	146	297432	20.603	ng	99
13) 1,4-Dichlorobenzene	6.910	146	300107	20.808	ng	98
14) 1,2-Dichlorobenzene	7.063	146	284645	21.146	ng	99
15) Benzyl Alcohol	7.022	79	242106	20.715	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	453174	20.933	ng	99
17) 2-Methylphenol	7.128	107	218455	20.371	ng	99
18) Hexachloroethane	7.404	117	105775	20.566	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	197390	20.427	ng	97
20) 3+4-Methylphenols	7.281	107	292795	21.346	ng	96
22) Acetophenone	7.293	105	379127	21.056	ng	99
24) Nitrobenzene	7.469	77	299625	20.604	ng	99
25) Isophorone	7.704	82	516119	20.502	ng	100
26) 2-Nitrophenol	7.787	139	110497	20.141	ng	97
27) 2,4-Dimethylphenol	7.816	122	187930	20.544	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	317497	20.816	ng	99
29) 2,4-Dichlorophenol	8.016	162	215409	20.673	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	238559	20.691	ng	100
31) Naphthalene	8.192	128	801971	21.153	ng	99
32) Benzoic acid	7.892	122	152028	19.054	ng	99
33) 4-Chloroaniline	8.239	127	270435	20.919	ng	98
34) Hexachlorobutadiene	8.310	225	149527	20.641	ng	100
35) Caprolactam	8.587	113	67624	20.411	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	238461	20.668	ng	100
37) 2-Methylnaphthalene	8.881	142	489343	21.075	ng	100
38) 1-Methylnaphthalene	8.981	142	481797	21.149	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	232025	20.823	ng	99
41) Hexachlorocyclopentadiene	9.039	237	81579	21.041	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	165112	20.930	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139847.D
 Acq On : 18 Oct 2024 11:52
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

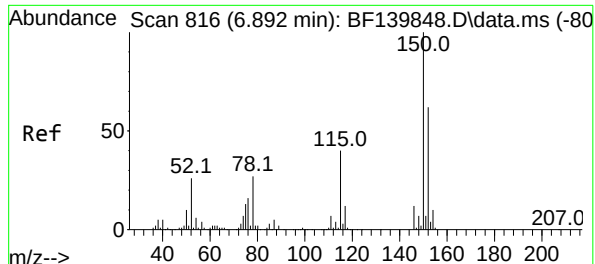
Quant Time: Oct 18 14:18:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	164517	20.213	ng	98
46) 1,1'-Biphenyl	9.345	154	612342	21.297	ng	99
47) 2-Chloronaphthalene	9.375	162	480916	20.767	ng	99
48) 2-Nitroaniline	9.463	65	146002	20.614	ng	98
49) Acenaphthylene	9.786	152	709161	21.182	ng	99
50) Dimethylphthalate	9.645	163	529745	20.592	ng	100
51) 2,6-Dinitrotoluene	9.704	165	114726	20.596	ng	98
52) Acenaphthene	9.963	154	449770	20.768	ng	99
53) 3-Nitroaniline	9.869	138	122186	21.271	ng	99
54) 2,4-Dinitrophenol	9.975	184	31801	19.148	ng	# 67
55) Dibenzofuran	10.134	168	652249	20.991	ng	98
56) 4-Nitrophenol	10.010	139	93060	21.057	ng	95
57) 2,4-Dinitrotoluene	10.104	165	139381	20.348	ng	98
58) Fluorene	10.475	166	496012	20.958	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	134842	21.133	ng	98
60) Diethylphthalate	10.345	149	523458	20.723	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	254950	21.331	ng	97
62) 4-Nitroaniline	10.481	138	111683	20.586	ng	98
63) Azobenzene	10.628	77	559837	20.906	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	52180	17.645	ng	100
66) n-Nitrosodiphenylamine	10.581	169	449925	20.736	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	153196	20.512	ng	98
68) Hexachlorobenzene	11.022	284	172091	20.488	ng	99
69) Atrazine	11.104	200	113089	19.240	ng	99
70) Pentachlorophenol	11.210	266	107595	21.106	ng	99
71) Phenanthrene	11.439	178	720363	21.036	ng	100
72) Anthracene	11.486	178	704417	21.083	ng	99
73) Carbazole	11.639	167	669328	21.540	ng	100
74) Di-n-butylphthalate	11.975	149	769779	21.442	ng	99
75) Fluoranthene	12.622	202	751337	21.703	ng	99
77) Benzidine	12.745	184	118035	18.042	ng	100
78) Pyrene	12.851	202	764077	21.700	ng	100
80) Butylbenzylphthalate	13.474	149	215683	20.432	ng	98
81) Benzo(a)anthracene	14.039	228	534525	20.413	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	156770	20.534	ng	100
83) Chrysene	14.074	228	496447	20.678	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	232200	19.606	ng	99
85) Di-n-octyl phthalate	14.651	149	373952	17.359	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	485858	20.312	ng	100
88) Benzo(b)fluoranthene	15.092	252	490566	21.659	ng	100
89) Benzo(k)fluoranthene	15.121	252	368835	18.883	ng	99
90) Benzo(a)pyrene	15.463	252	378617	20.316	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	410285	20.561	ng	99
92) Benzo(g,h,i)perylene	17.468	276	405140	20.326	ng	99

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

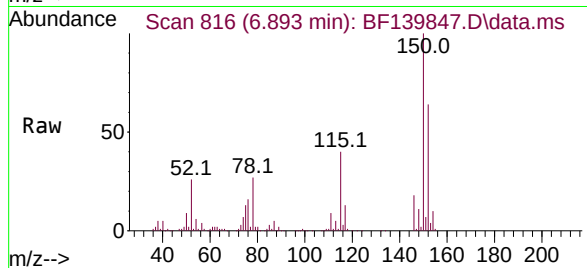
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

[illegible]

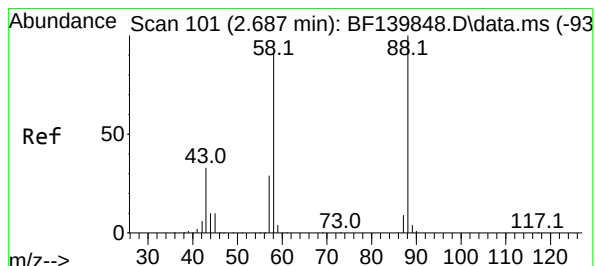
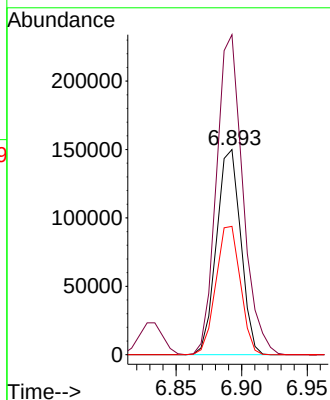
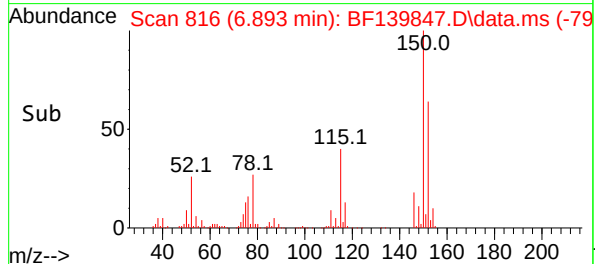


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

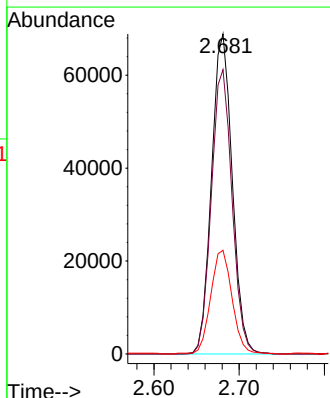
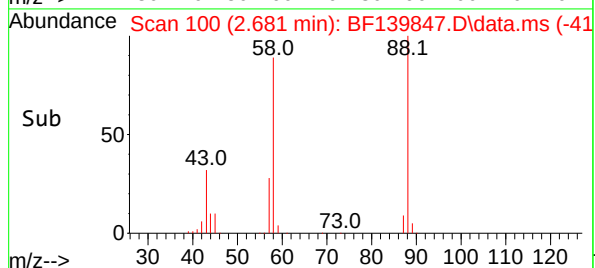
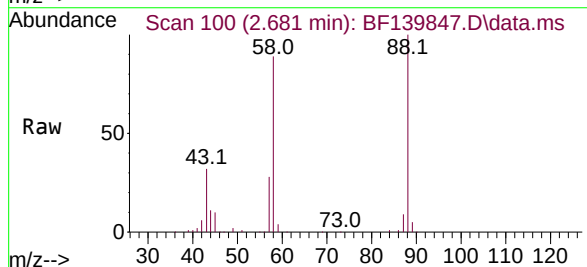


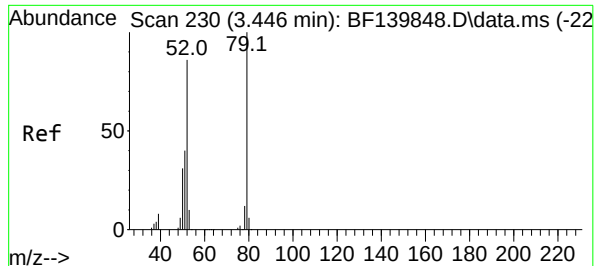
Tgt Ion:152 Resp: 192582
Ion Ratio Lower Upper
152 100
150 156.0 130.2 195.2
115 62.6 51.4 77.2



#2
1,4-Dioxane
Concen: 20.257 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 88 Resp: 116188
Ion Ratio Lower Upper
88 100
58 88.9 73.3 109.9
43 33.6 27.1 40.7





#3

Pyridine

Concen: 20.611 ng

RT: 3.440 min Scan# 219

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

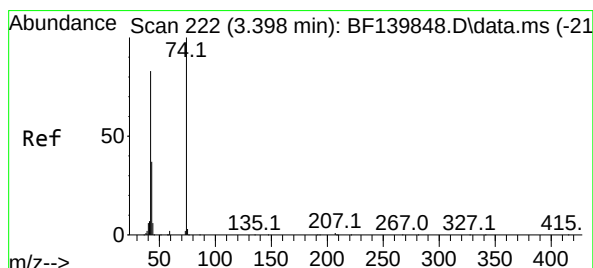
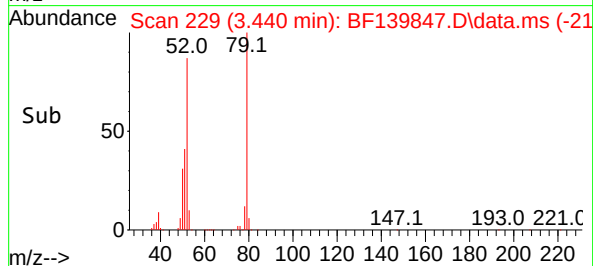
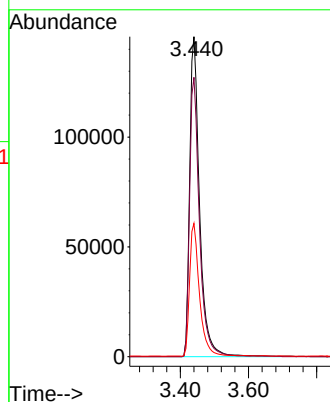
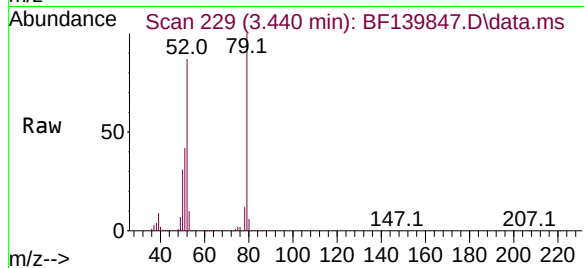
Tgt Ion: 79 Resp: 293019

Ion Ratio Lower Upper

79 100

52 87.3 68.5 102.7

51 41.6 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 20.138 ng

RT: 3.381 min Scan# 219

Delta R.T. -0.017 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

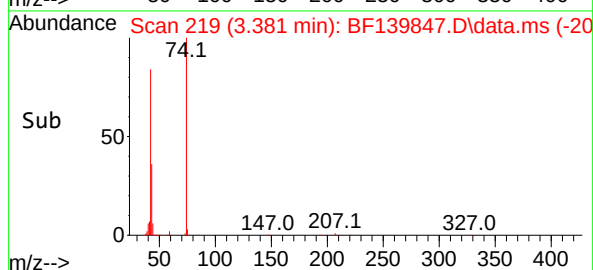
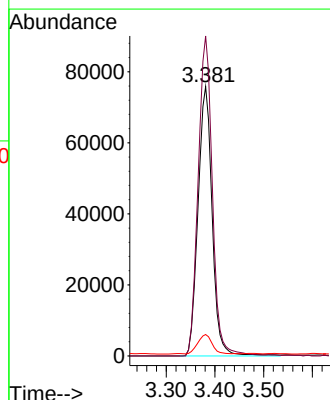
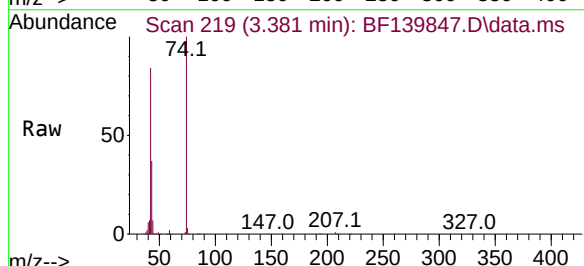
Tgt Ion: 42 Resp: 153824

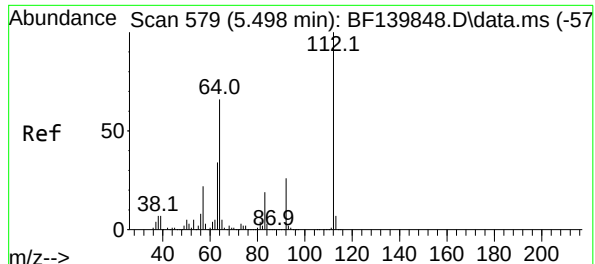
Ion Ratio Lower Upper

42 100

74 118.8 96.2 144.4

44 8.0 6.2 9.2

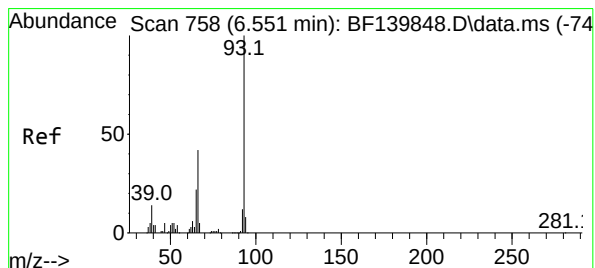
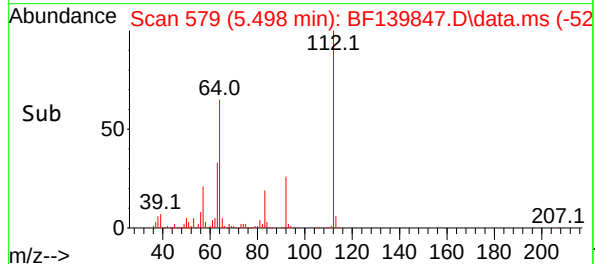
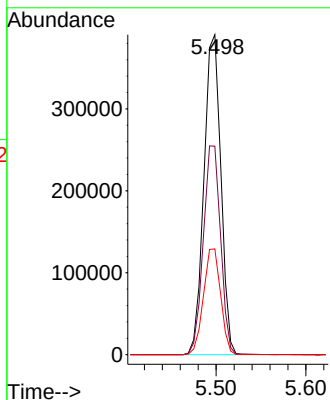
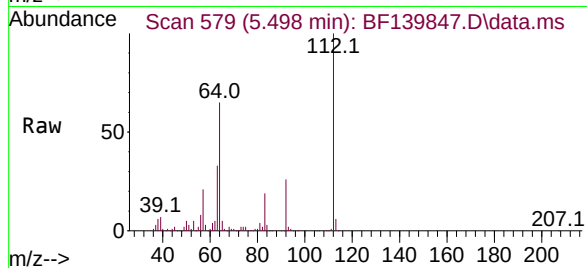




#5
2-Fluorophenol
Concen: 41.673 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

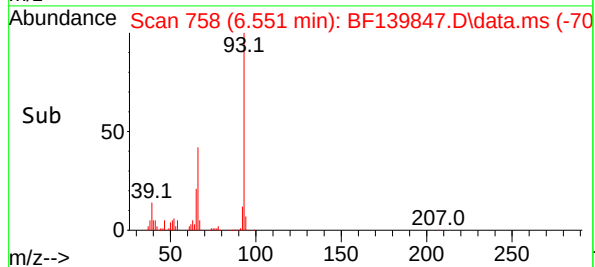
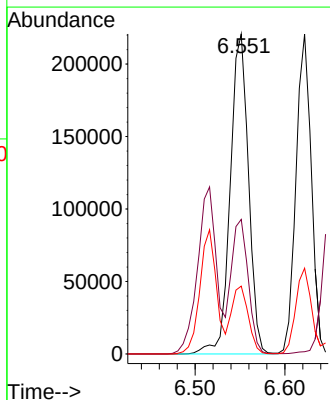
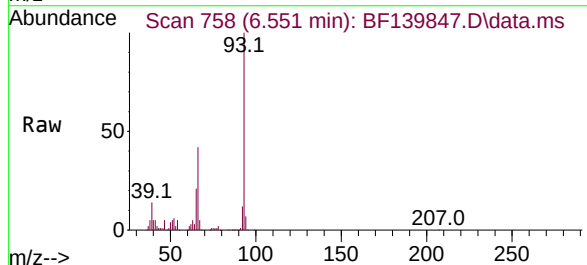
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

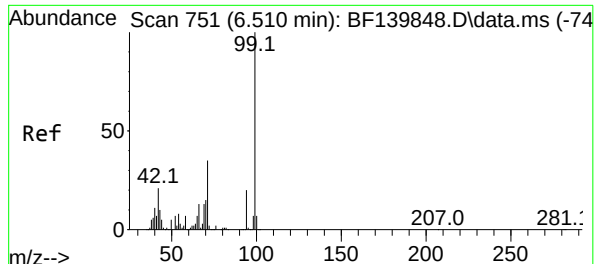
Tgt Ion:112 Resp: 512648
Ion Ratio Lower Upper
112 100
64 65.1 53.0 79.6
63 33.1 27.0 40.4



#6
Aniline
Concen: 20.982 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 93 Resp: 311561
Ion Ratio Lower Upper
93 100
66 42.0 34.0 51.0
65 21.2 17.4 26.0





#7

Phenol-d6

Concen: 41.304 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

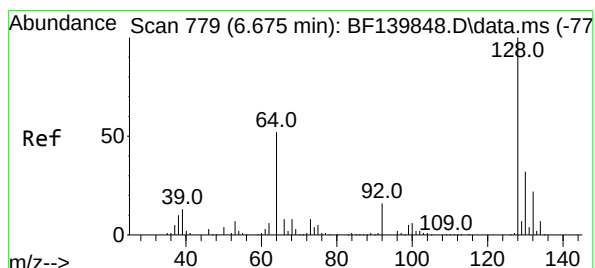
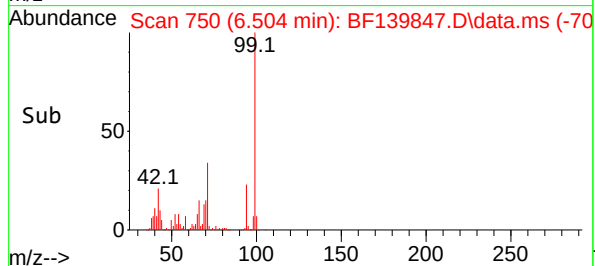
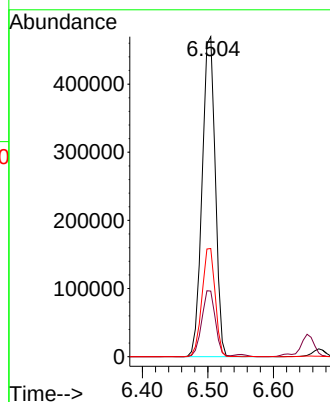
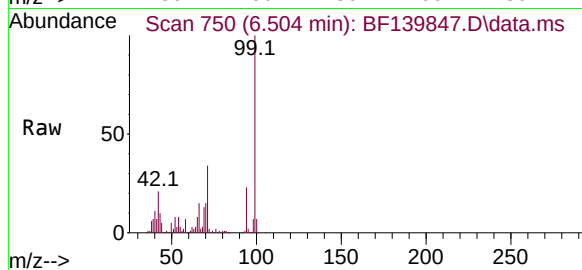
Tgt Ion: 99 Resp: 658086

Ion Ratio Lower Upper

99 100

42 20.5 16.7 25.1

71 33.8 27.7 41.5



#8

2-Chlorophenol

Concen: 20.794 ng

RT: 6.669 min Scan# 778

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

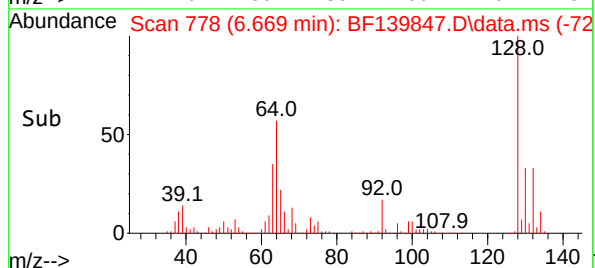
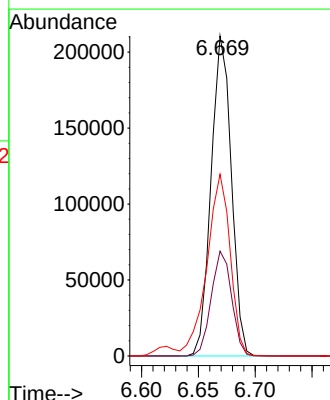
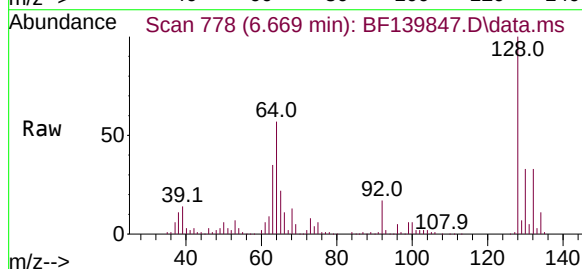
Tgt Ion: 128 Resp: 261502

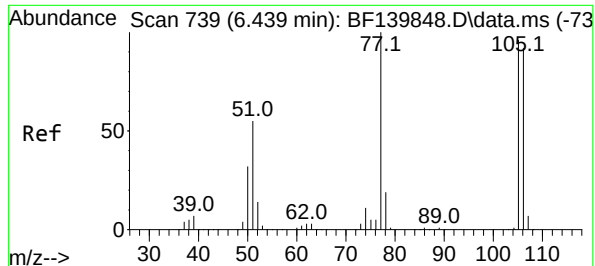
Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

64 56.8 34.6 74.6





#9

Benzaldehyde

Concen: 22.379 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

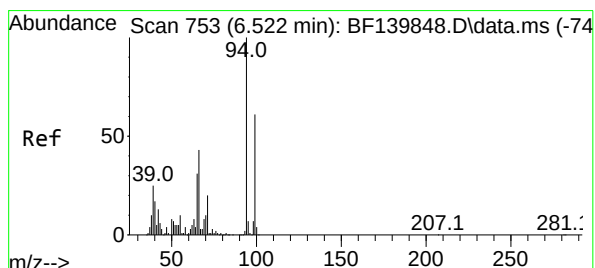
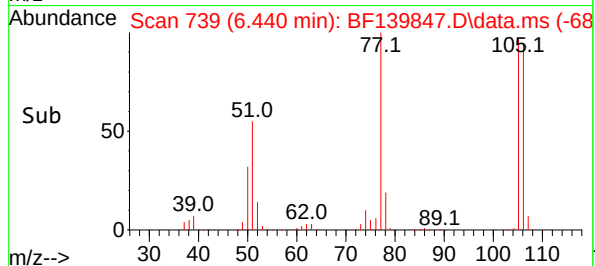
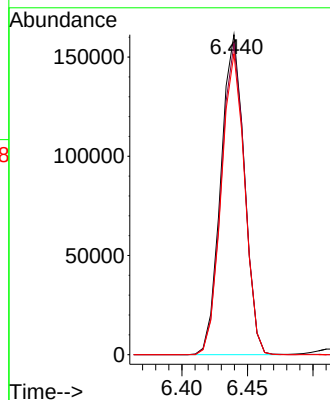
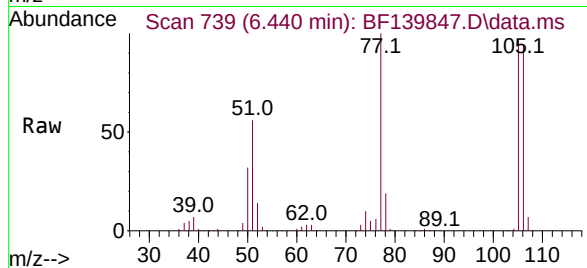
Tgt Ion: 77 Resp: 200586

Ion Ratio Lower Upper

77 100

105 97.1 75.5 115.5

106 94.0 71.7 111.7



#10

Phenol

Concen: 20.269 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

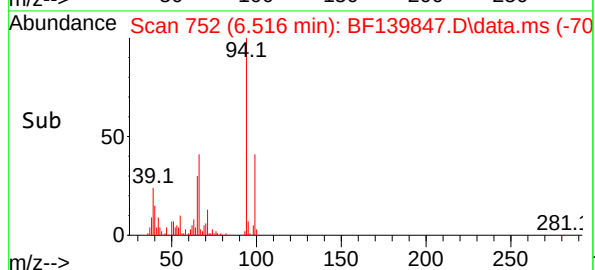
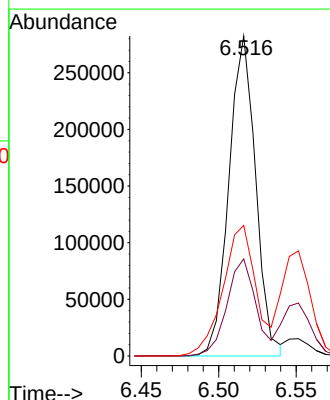
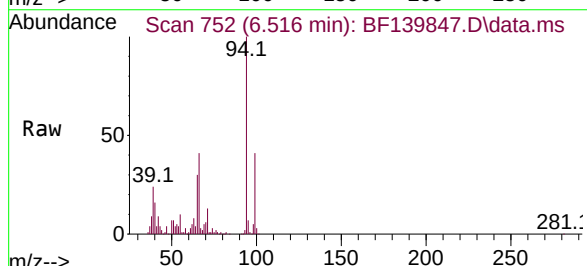
Tgt Ion: 94 Resp: 338933

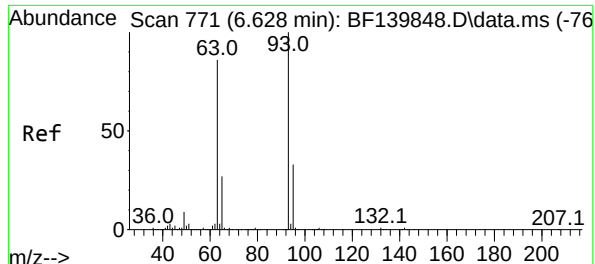
Ion Ratio Lower Upper

94 100

65 30.3 11.1 51.1

66 40.8 22.7 62.7

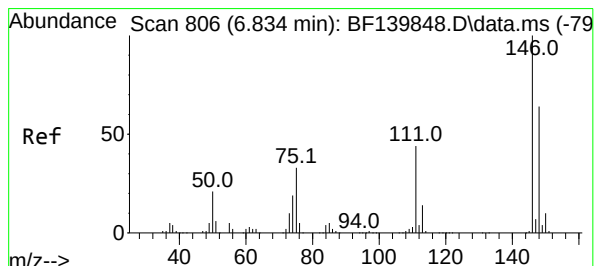
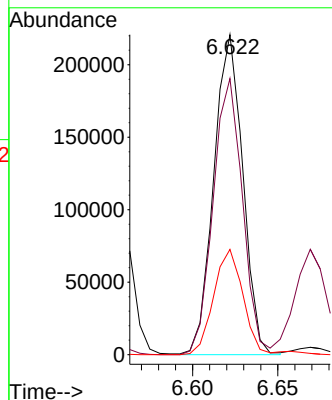
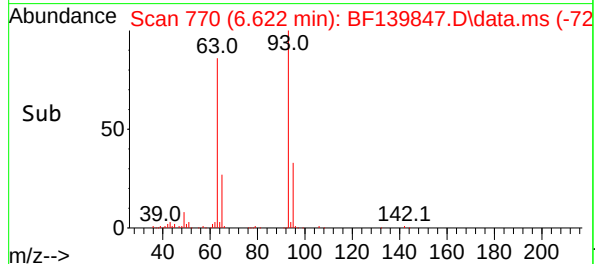
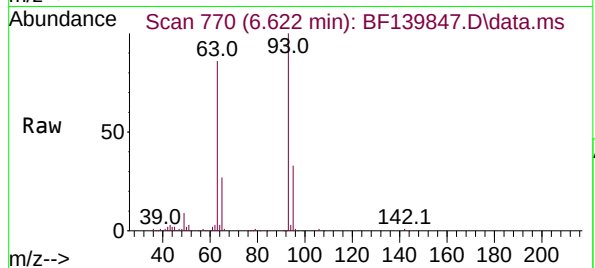




#11
bis(2-Chloroethyl)ether
Concen: 20.612 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

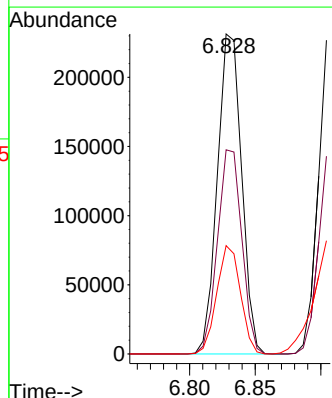
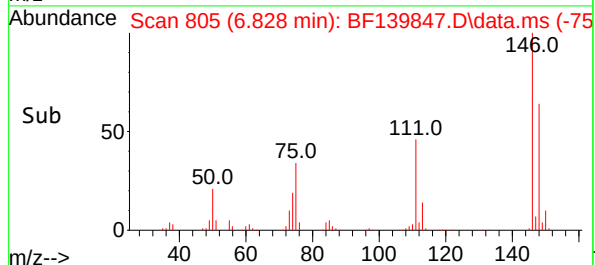
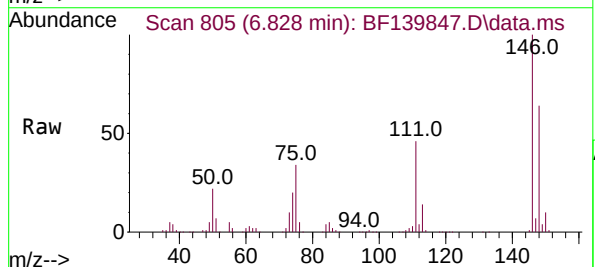
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

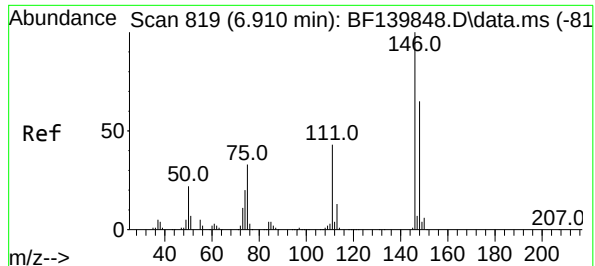
Tgt Ion: 93 Resp: 261690
Ion Ratio Lower Upper
93 100
63 86.3 65.0 105.0
95 32.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 20.603 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 146 Resp: 297432
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.4
75 33.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 20.808 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

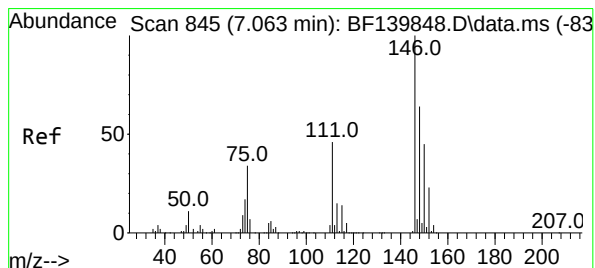
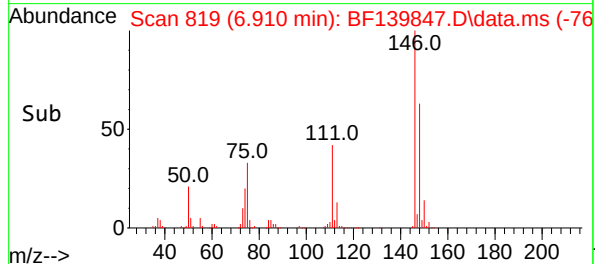
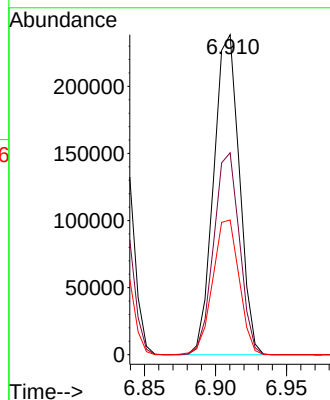
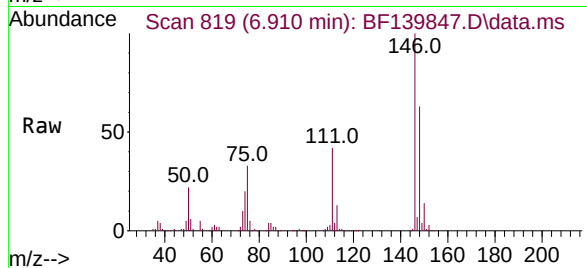
Tgt Ion:146 Resp: 300107

Ion Ratio Lower Upper

146 100

148 63.1 51.8 77.8

111 42.1 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 21.146 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

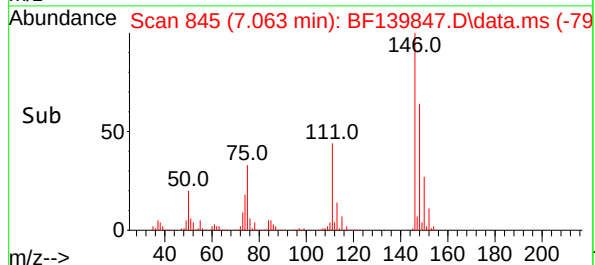
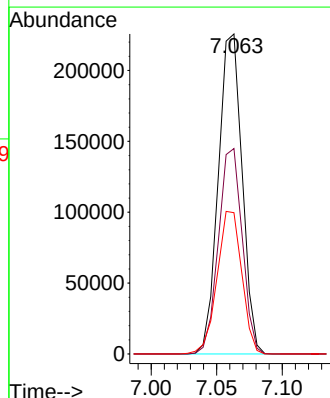
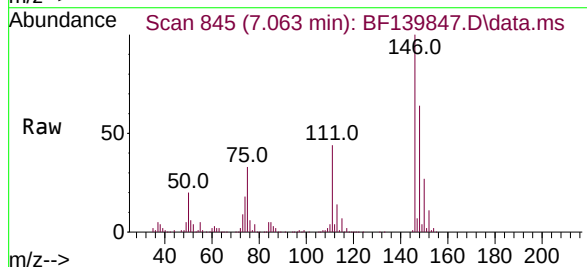
Tgt Ion:146 Resp: 284645

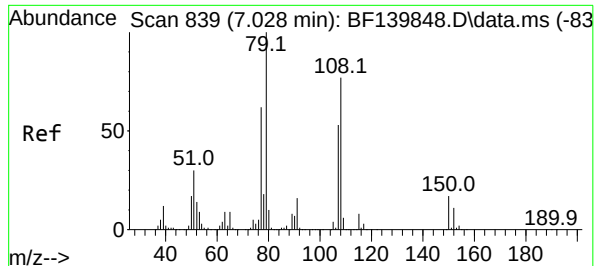
Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 44.2 36.7 55.1

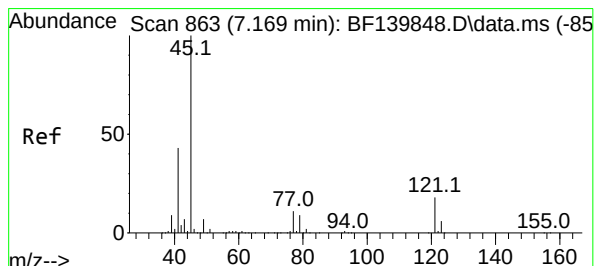
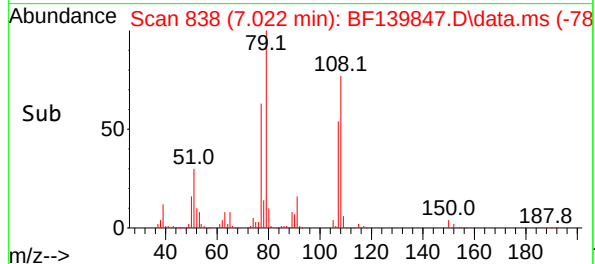
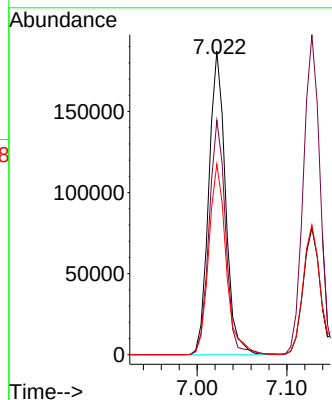
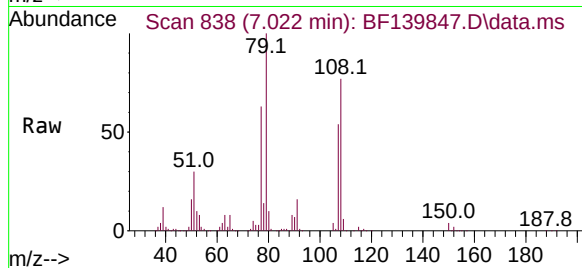




#15
Benzyl Alcohol
Concen: 20.715 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

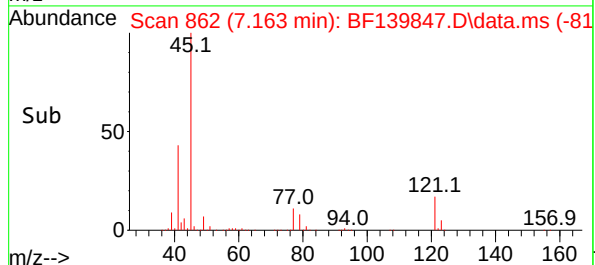
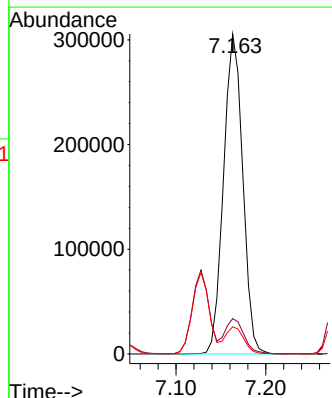
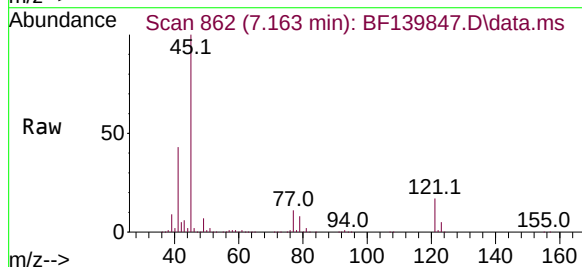
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

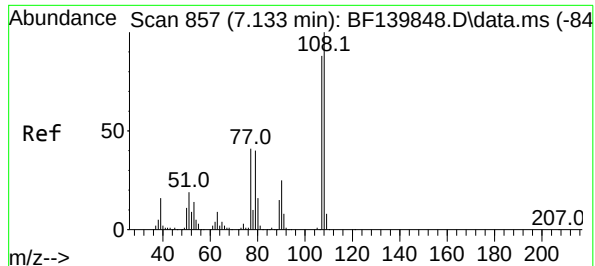
Tgt Ion: 79 Resp: 242106
Ion Ratio Lower Upper
79 100
108 77.2 61.4 92.0
77 62.8 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 20.933 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

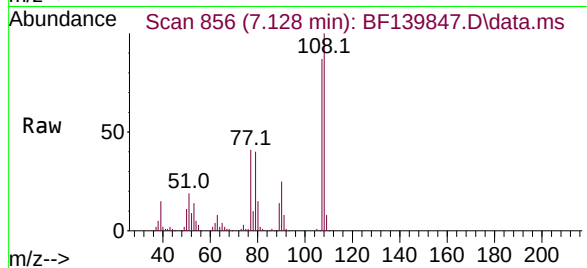
Tgt Ion: 45 Resp: 453174
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.5
79 8.5 0.0 29.1



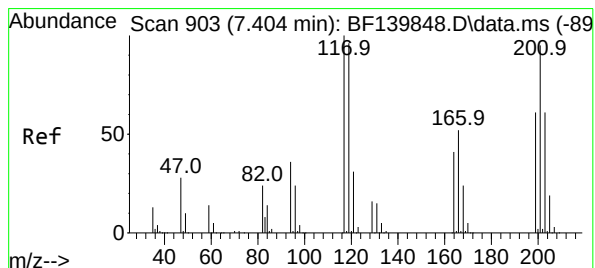
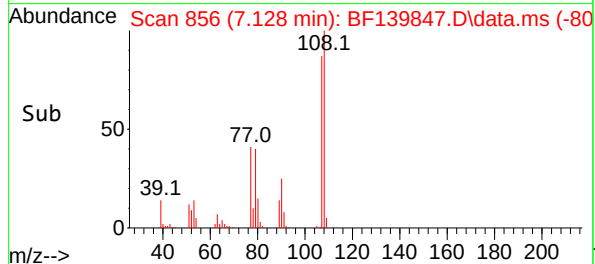
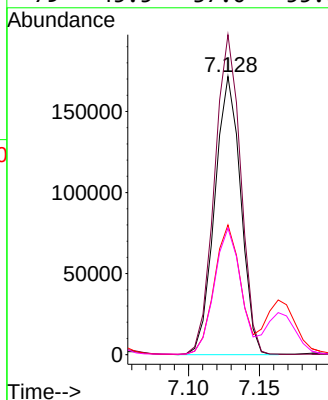


#17
2-Methylphenol
Concen: 20.371 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

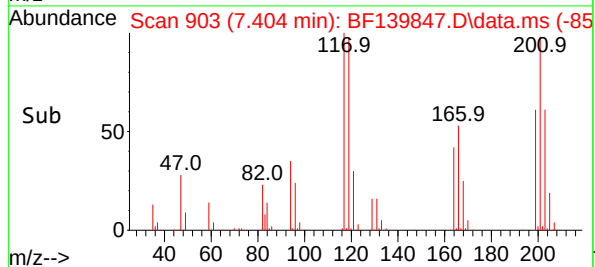
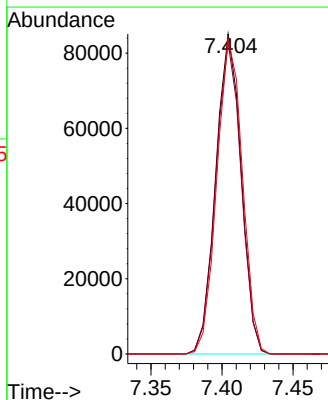
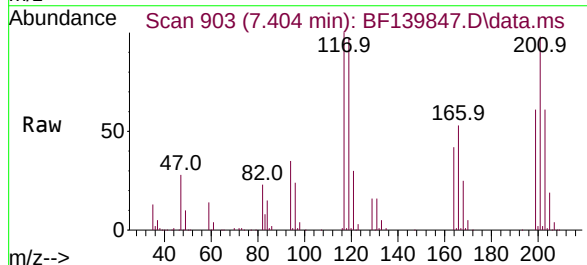


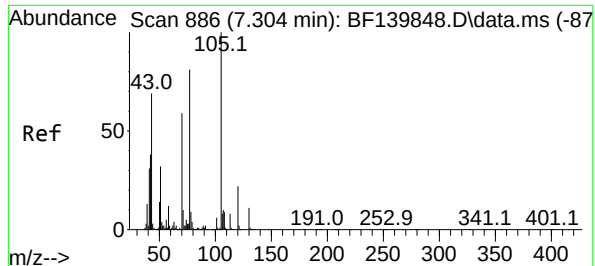
Tgt Ion:107 Resp: 218455
Ion Ratio Lower Upper
107 100
108 115.0 91.3 136.9
77 46.6 37.1 55.7
79 45.5 37.0 55.6



#18
Hexachloroethane
Concen: 20.566 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:117 Resp: 105775
Ion Ratio Lower Upper
117 100
119 97.3 77.0 115.4
201 98.4 76.2 114.4

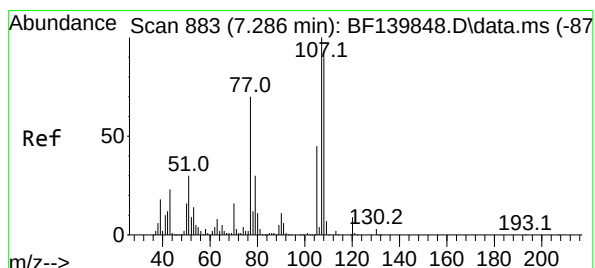
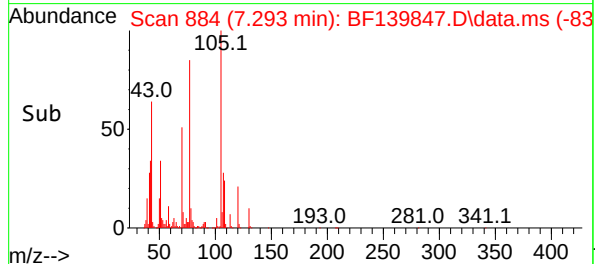
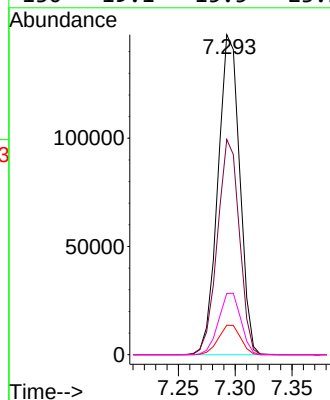
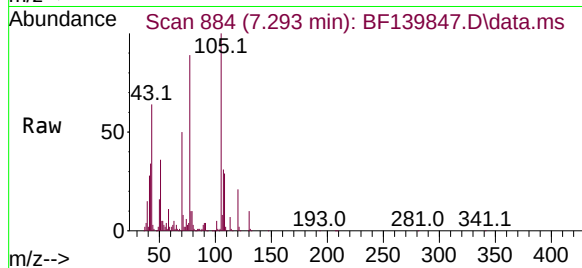




#19
n-Nitroso-di-n-propylamine
Concen: 20.427 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

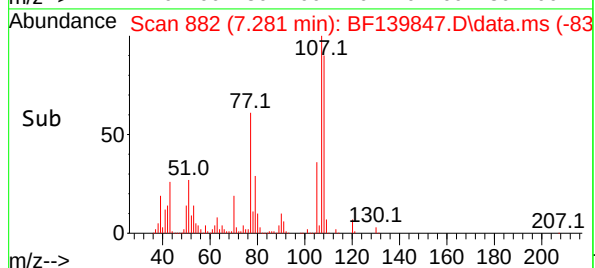
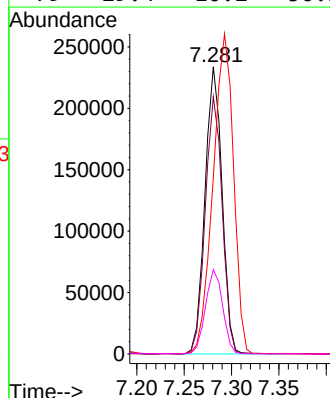
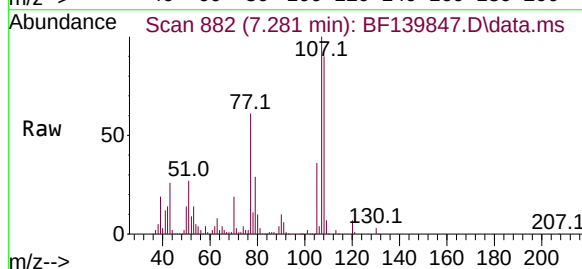
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

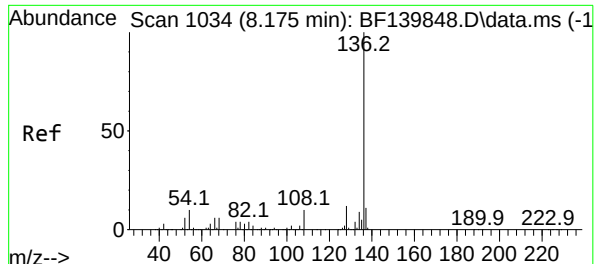
Tgt Ion: 70 Resp: 197390
Ion Ratio Lower Upper
70 100
42 67.2 51.5 77.3
101 9.2 7.5 11.3
130 19.1 15.5 23.3



#20
3+4-Methylphenols
Concen: 21.346 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 107 Resp: 292795
Ion Ratio Lower Upper
107 100
108 89.6 69.8 109.8
77 61.4 50.5 90.5
79 29.4 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 735124

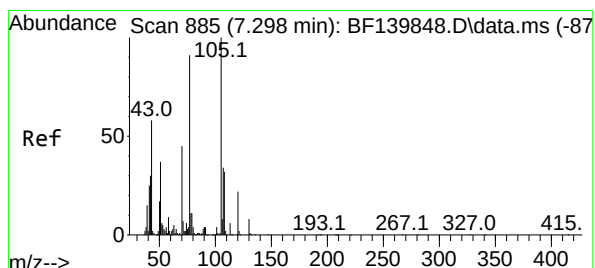
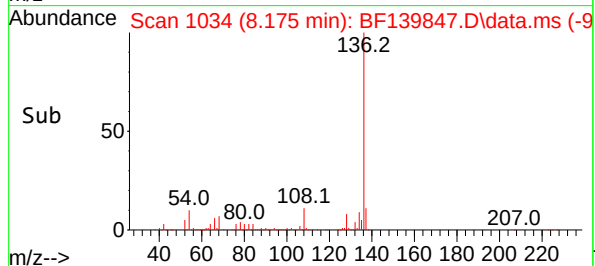
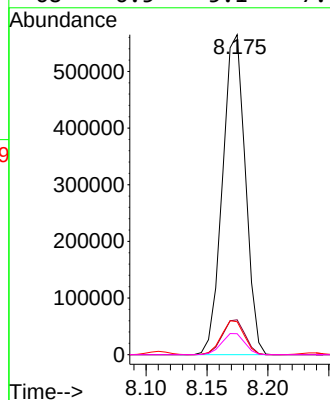
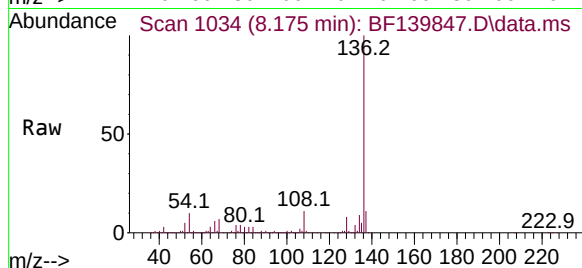
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.3 8.4 12.6

68 6.5 5.1 7.7



#22

Acetophenone

Concen: 21.056 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:105 Resp: 379127

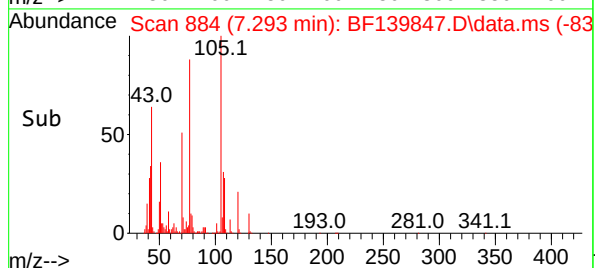
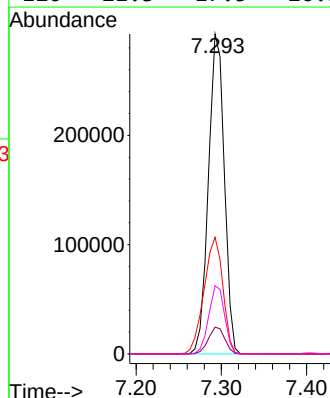
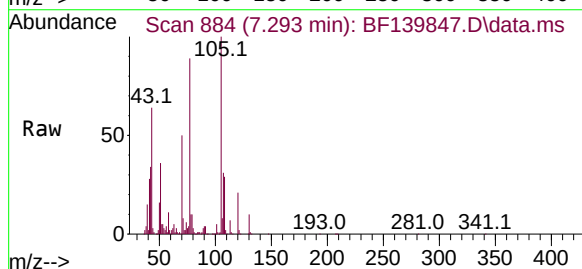
Ion Ratio Lower Upper

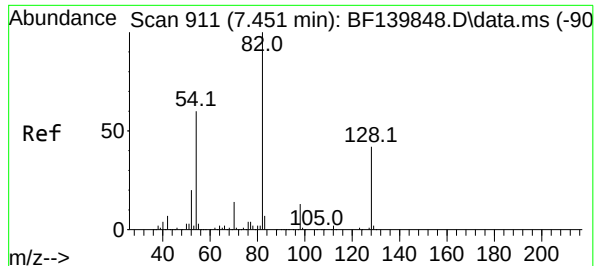
105 100

71 8.3 5.9 8.9

51 36.5 29.4 44.2

120 21.3 17.5 26.3





#23

Nitrobenzene-d5

Concen: 41.206 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

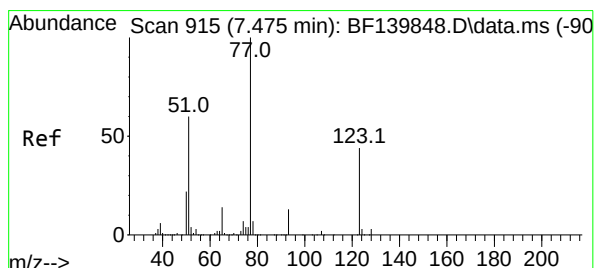
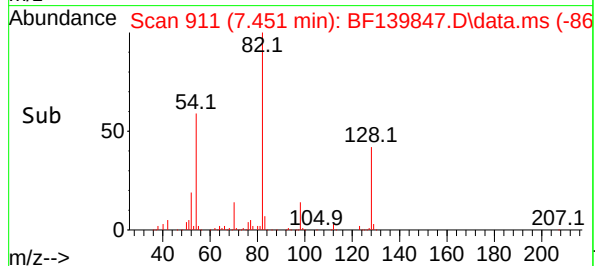
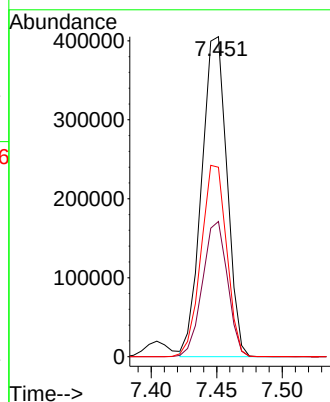
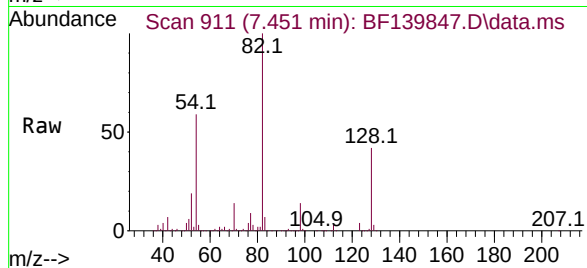
Tgt Ion: 82 Resp: 546550

Ion Ratio Lower Upper

82 100

128 42.3 33.4 50.0

54 59.2 47.8 71.8



#24

Nitrobenzene

Concen: 20.604 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

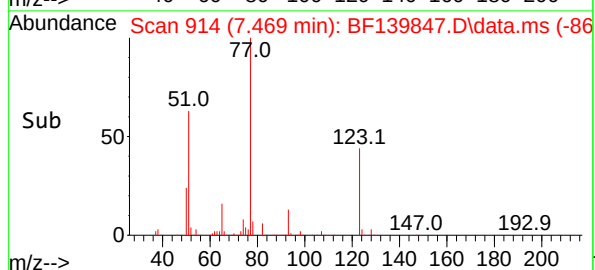
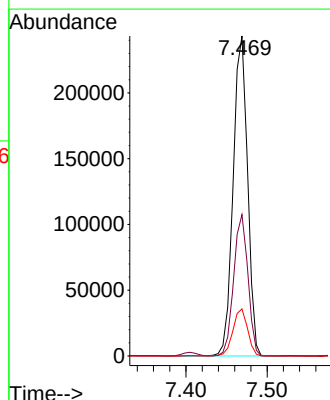
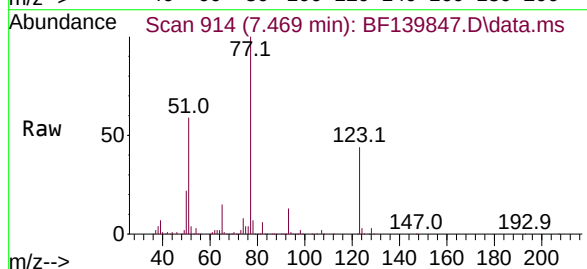
Tgt Ion: 77 Resp: 299625

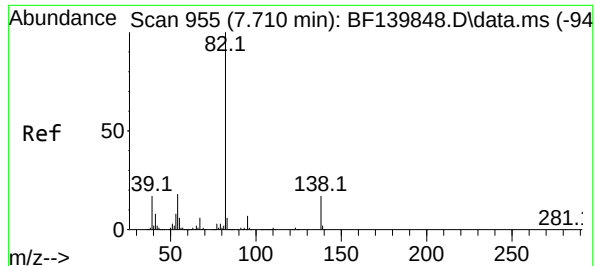
Ion Ratio Lower Upper

77 100

123 44.2 35.7 53.5

65 14.7 11.5 17.3

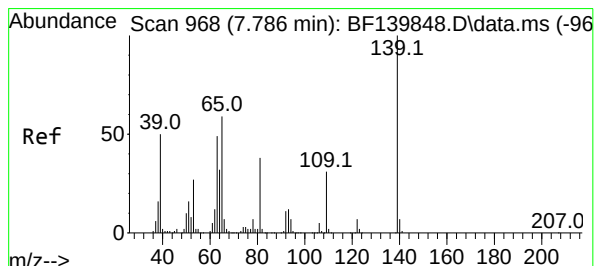
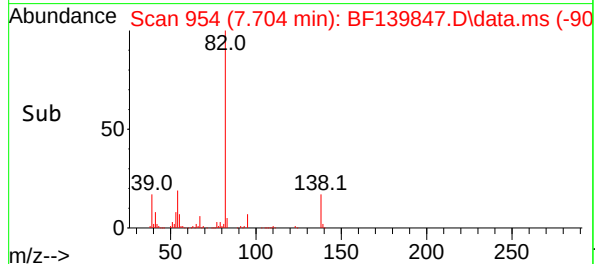
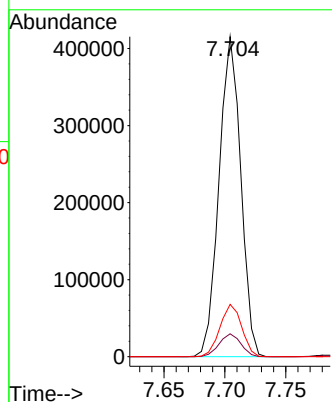
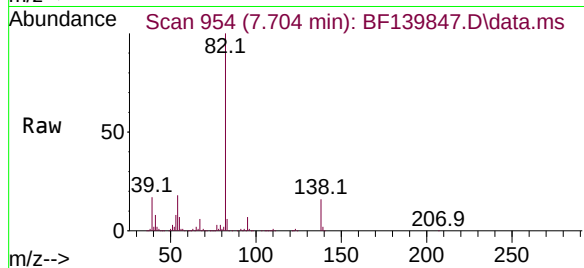




#25
Isophorone
Concen: 20.502 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

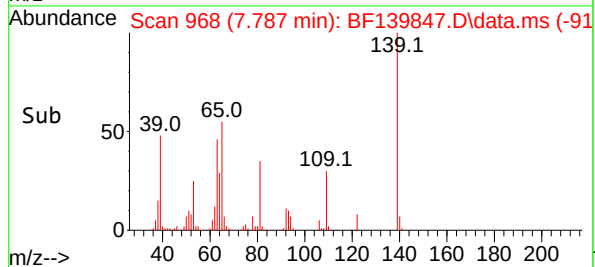
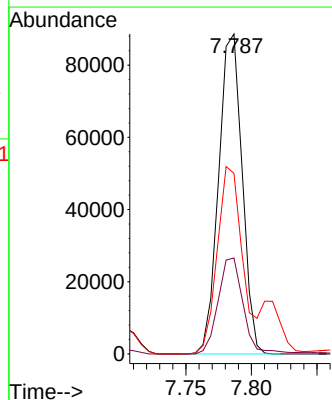
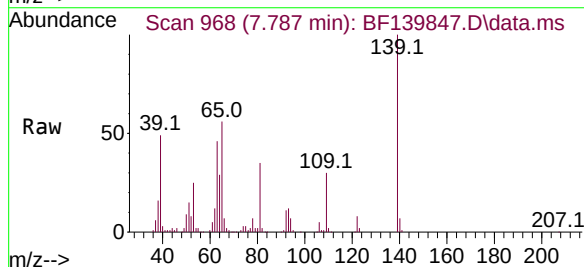
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

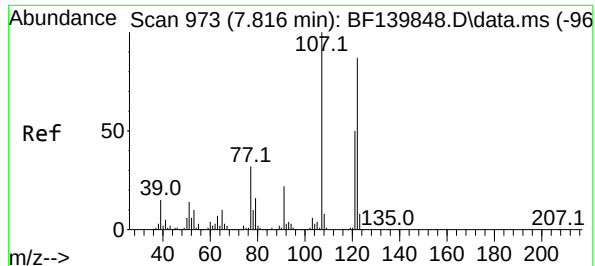
Tgt Ion: 82 Resp: 516119
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.3 13.2 19.8



#26
2-Nitrophenol
Concen: 20.141 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:139 Resp: 110497
Ion Ratio Lower Upper
139 100
109 30.0 25.1 37.7
65 56.5 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 20.544 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

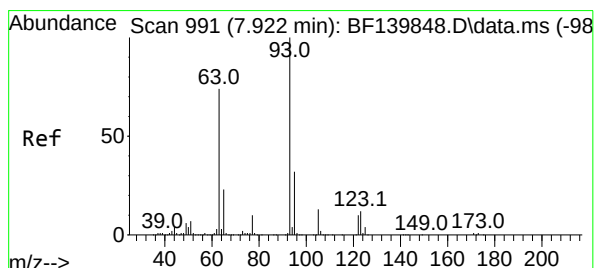
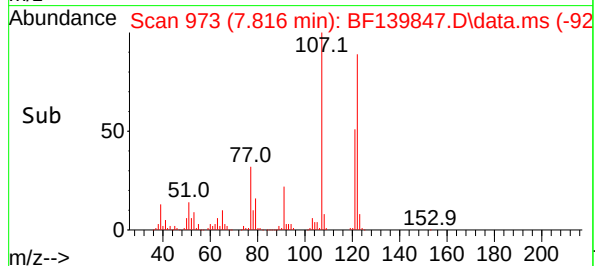
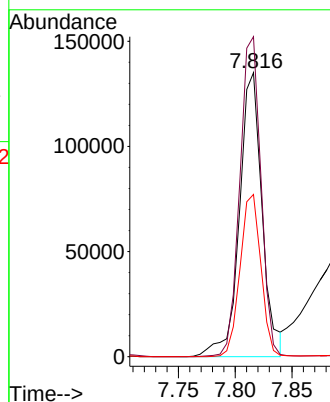
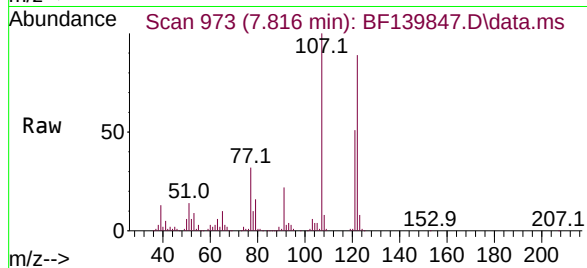
Tgt Ion:122 Resp: 187930

Ion Ratio Lower Upper

122 100

107 112.6 91.9 137.9

121 57.1 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 20.816 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

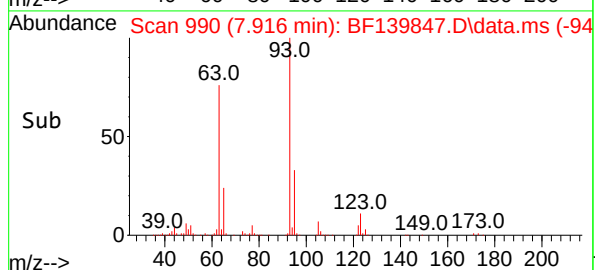
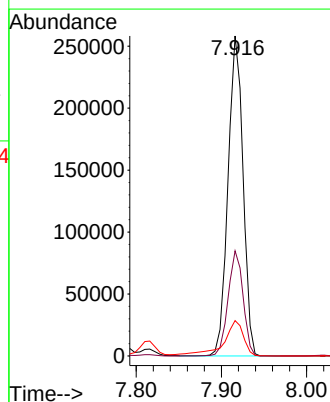
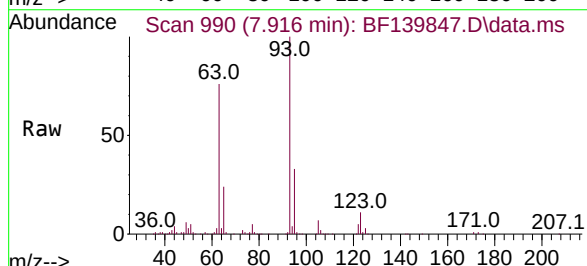
Tgt Ion: 93 Resp: 317497

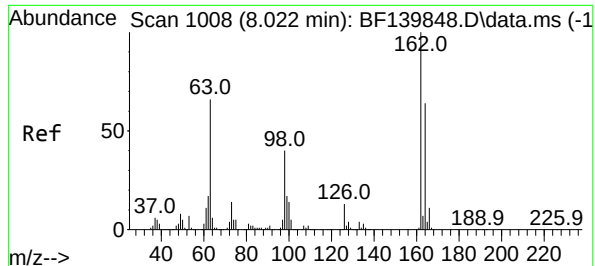
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 20.673 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

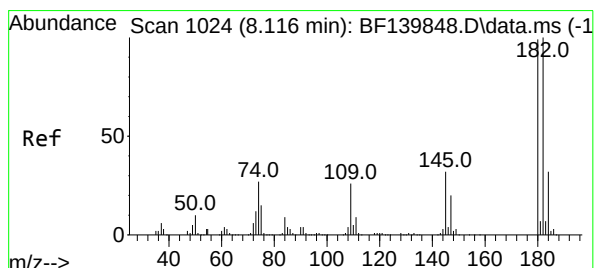
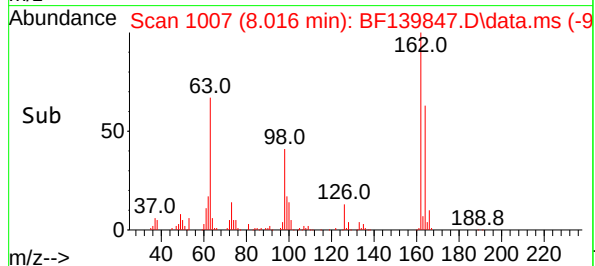
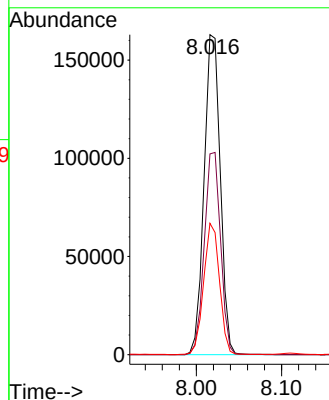
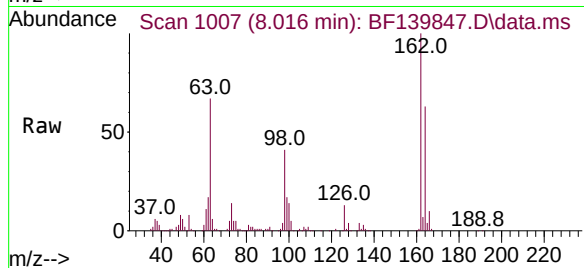
Tgt Ion:162 Resp: 215409

Ion Ratio Lower Upper

162 100

164 62.7 43.9 83.9

98 41.1 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 20.691 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

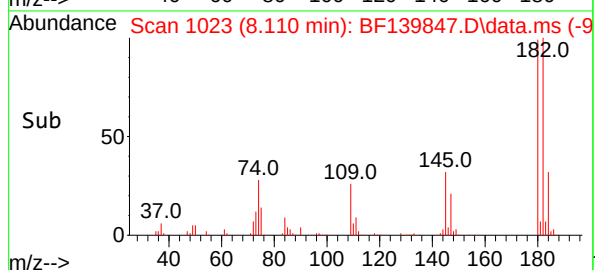
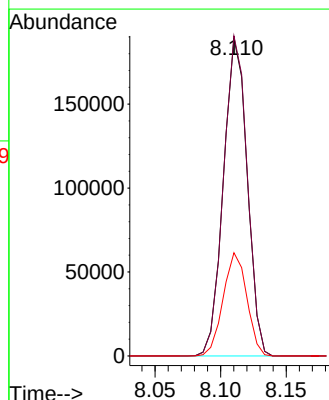
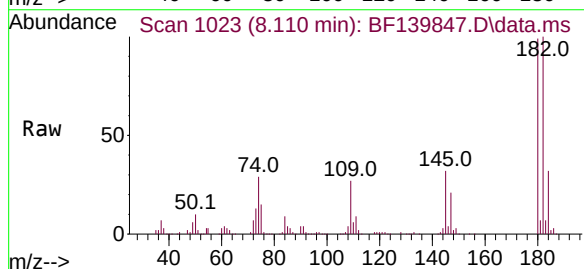
Tgt Ion:180 Resp: 238559

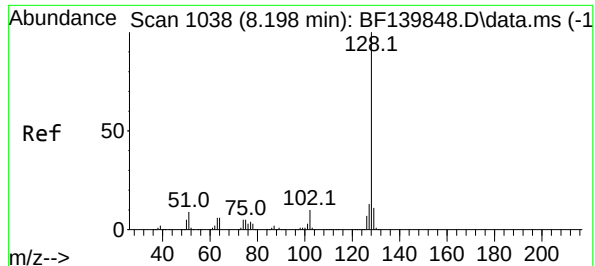
Ion Ratio Lower Upper

180 100

182 100.6 80.5 120.7

145 32.5 25.4 38.0

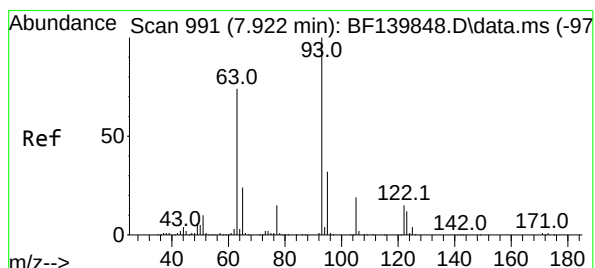
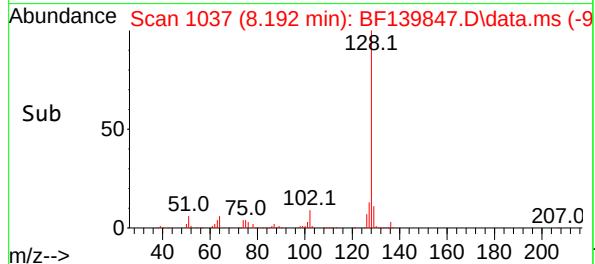
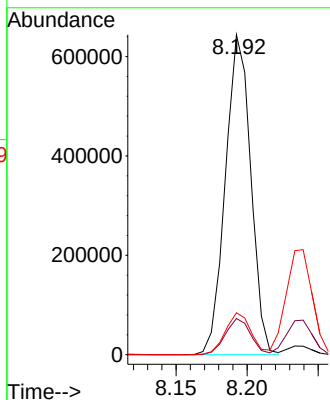
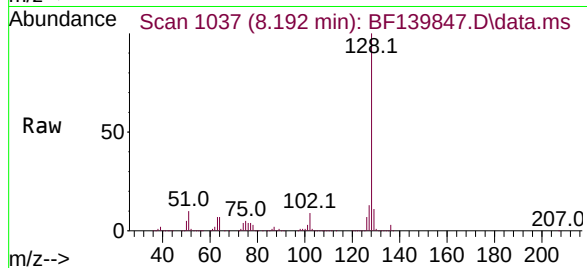




#31
Naphthalene
Concen: 21.153 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

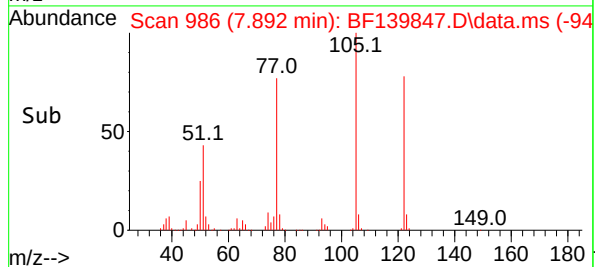
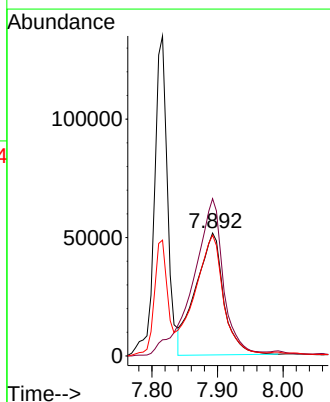
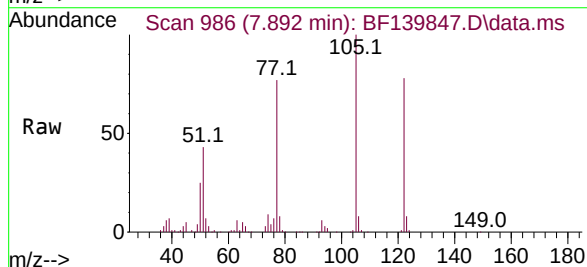
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

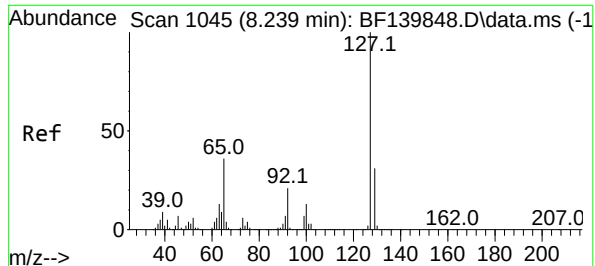
Tgt Ion:128 Resp: 801971
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 19.054 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.030 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:122 Resp: 152028
Ion Ratio Lower Upper
122 100
105 127.9 107.6 147.6
77 98.2 80.2 120.2





#33

4-Chloroaniline

Concen: 20.919 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

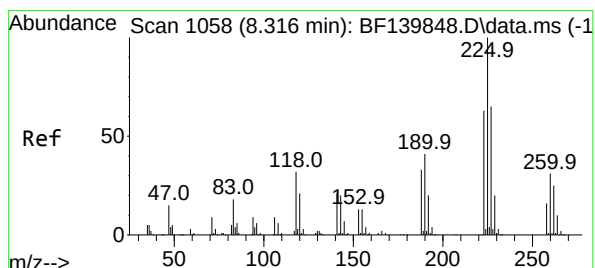
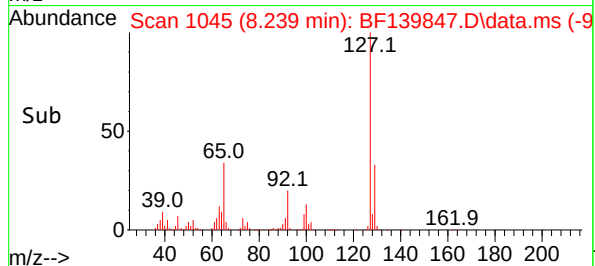
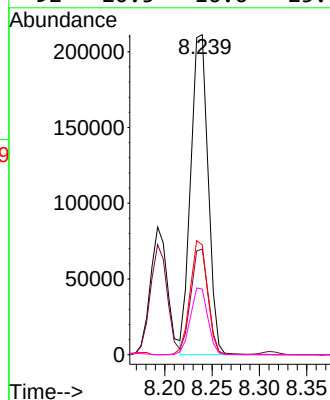
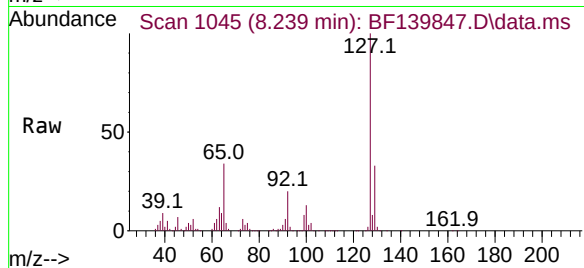
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 270435

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.4	38.2
65	34.3	28.4	42.6
92	20.5	16.6	25.0



#34

Hexachlorobutadiene

Concen: 20.641 ng

RT: 8.310 min Scan# 1057

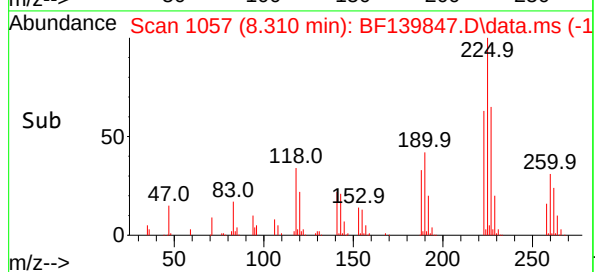
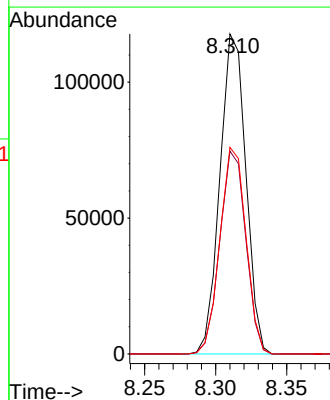
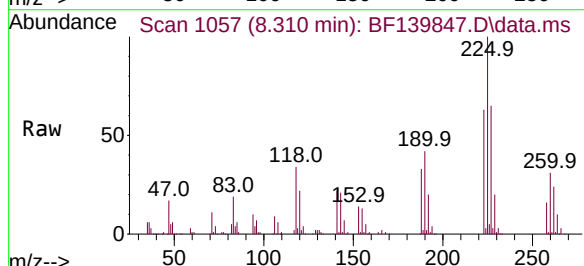
Delta R.T. -0.006 min

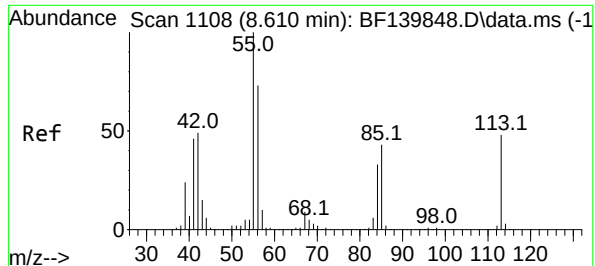
Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:225 Resp: 149527

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.6	51.8	77.8

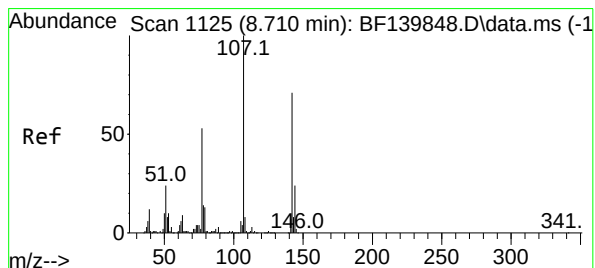
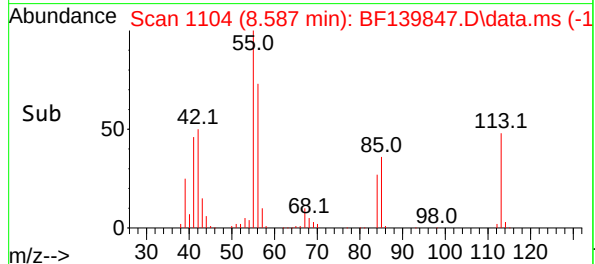
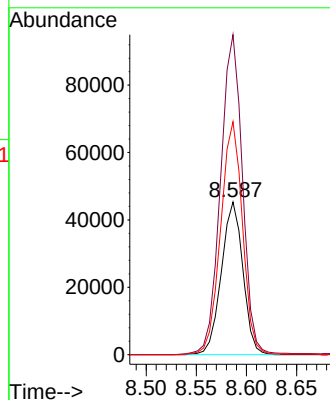
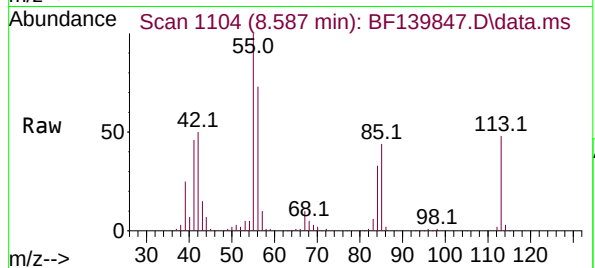




#35
Caprolactam
Concen: 20.411 ng
RT: 8.587 min Scan# 1108
Delta R.T. -0.023 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

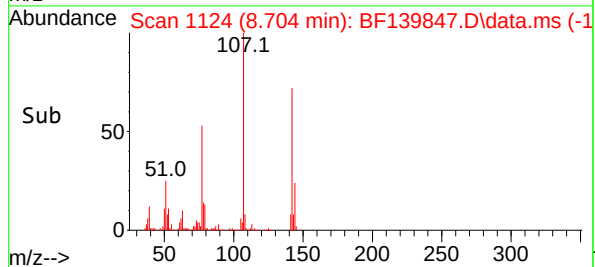
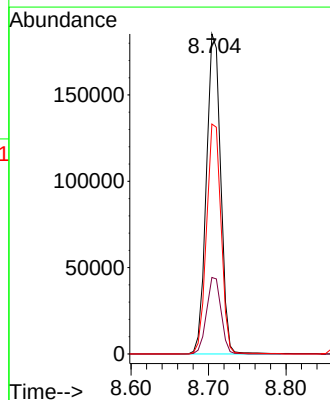
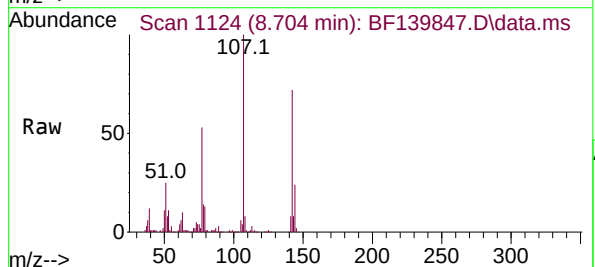
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

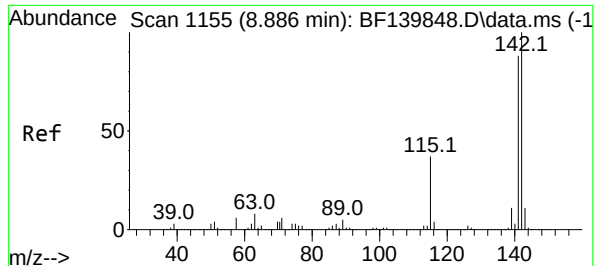
Tgt Ion:113 Resp: 67624
Ion Ratio Lower Upper
113 100
55 209.6 189.2 229.2
56 152.6 132.5 172.5



#36
4-Chloro-3-methylphenol
Concen: 20.668 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:107 Resp: 238461
Ion Ratio Lower Upper
107 100
144 23.9 19.1 28.7
142 71.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 21.075 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

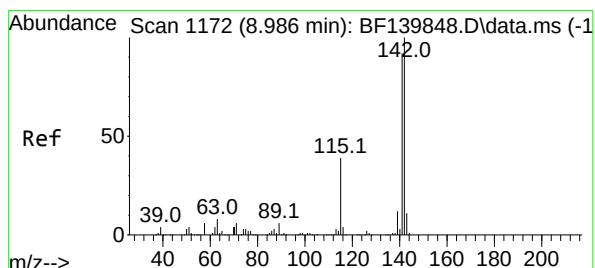
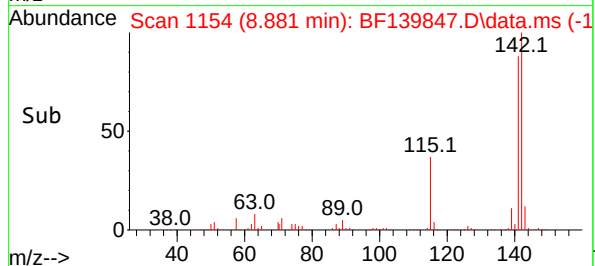
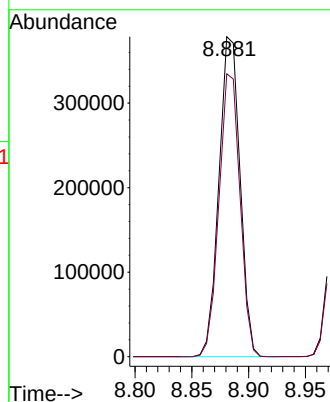
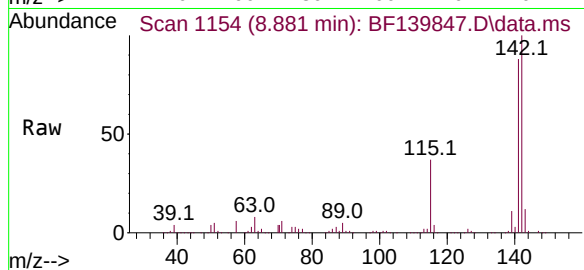
SSTDICC020

Tgt Ion:142 Resp: 489343

Ion Ratio Lower Upper

142 100

141 88.4 70.8 106.2



#38

1-Methylnaphthalene

Concen: 21.149 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139847.D

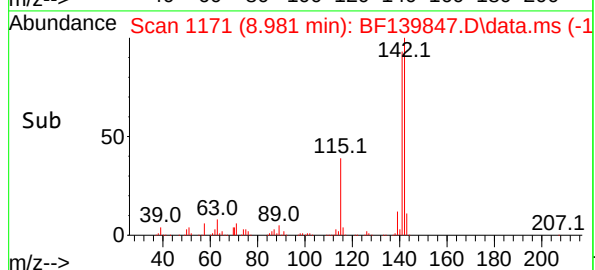
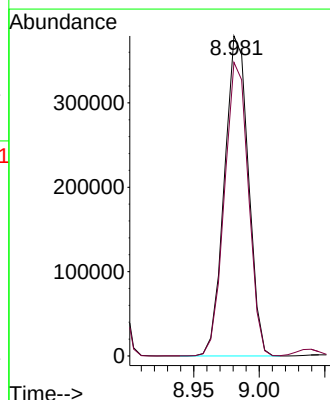
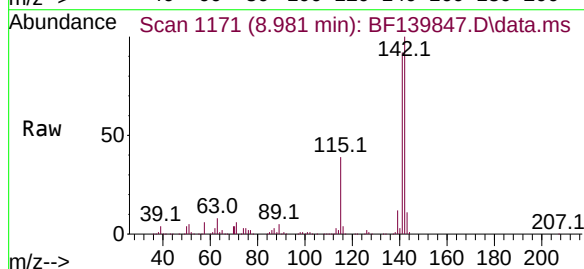
Acq: 18 Oct 2024 11:52

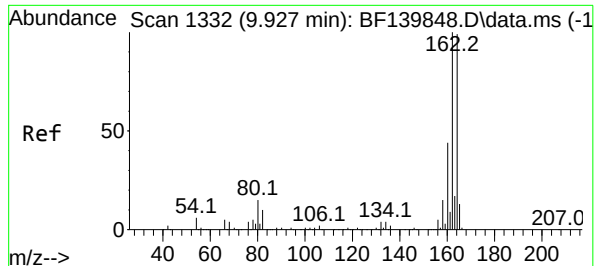
Tgt Ion:142 Resp: 481797

Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. 0.001 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

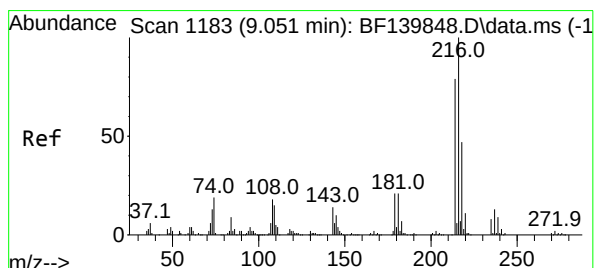
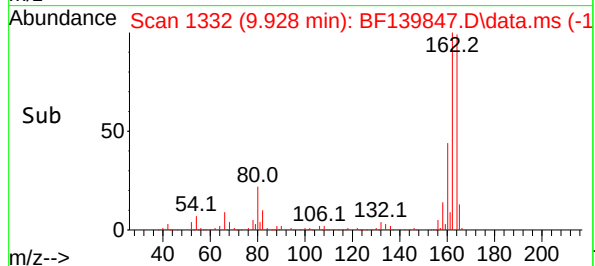
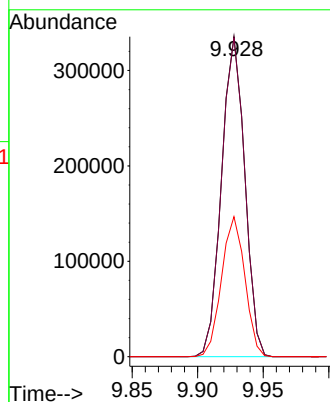
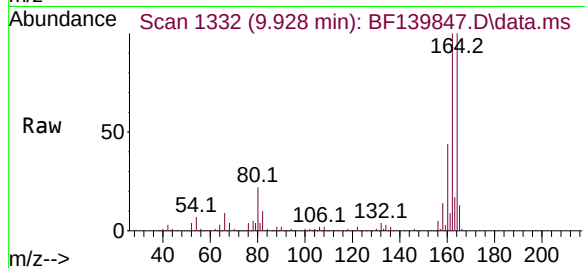
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 413023

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.4
160	43.8	35.4	53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.823 ng

RT: 9.045 min Scan# 1182

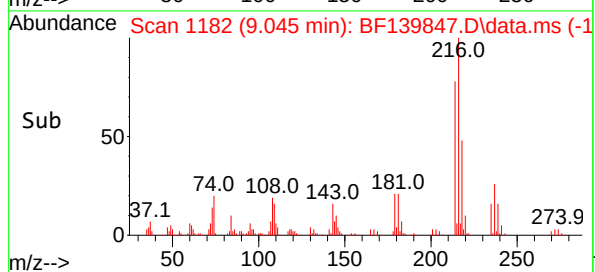
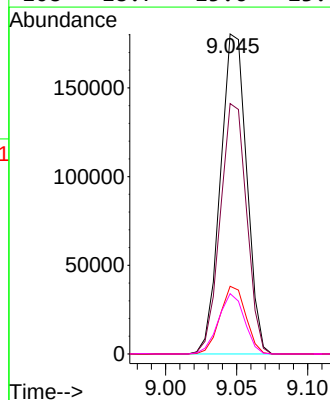
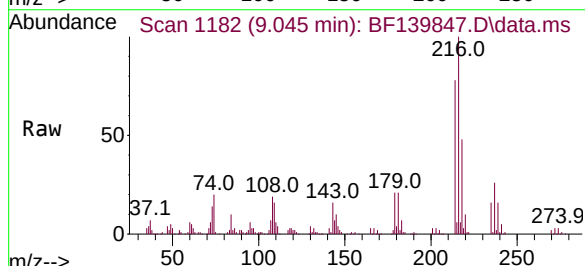
Delta R.T. -0.006 min

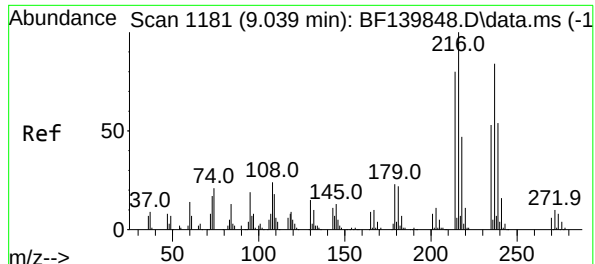
Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:216 Resp: 232025

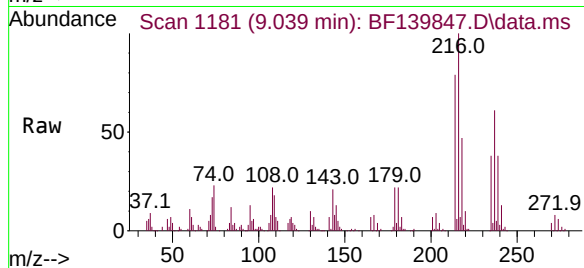
Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.0
179	20.8	17.2	25.8
108	18.7	15.6	23.4



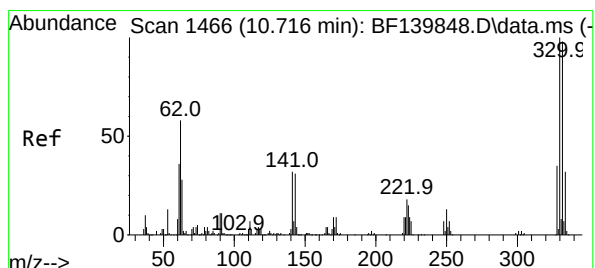
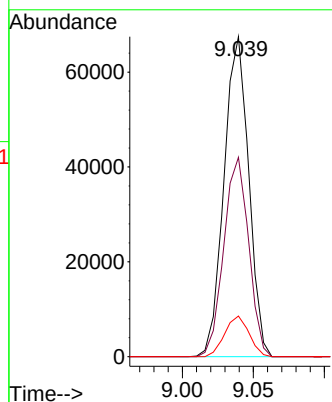
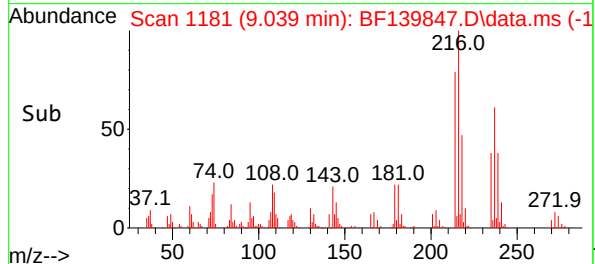


#41
Hexachlorocyclopentadiene
Concen: 21.041 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

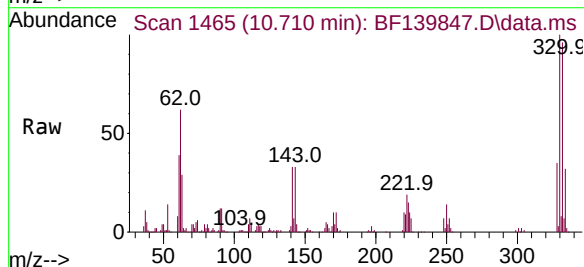
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



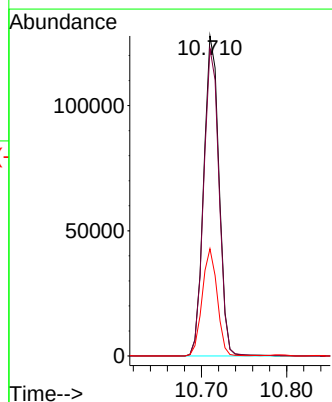
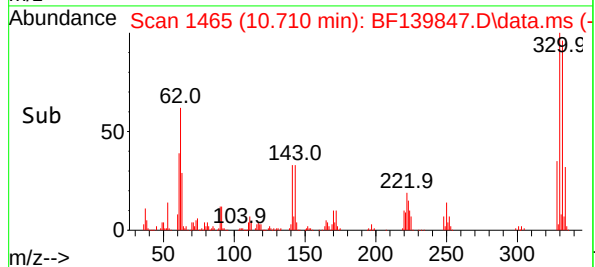
Tgt Ion:237 Resp: 81579
Ion Ratio Lower Upper
237 100
235 62.3 42.9 82.9
272 12.7 0.0 32.3

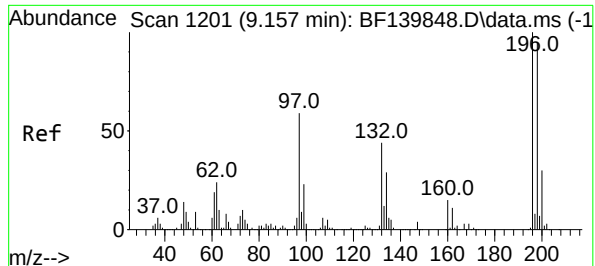


#42
2,4,6-Tribromophenol
Concen: 41.199 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52



Tgt Ion:330 Resp: 159165
Ion Ratio Lower Upper
330 100
332 96.4 78.1 117.1
141 32.9 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 20.930 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

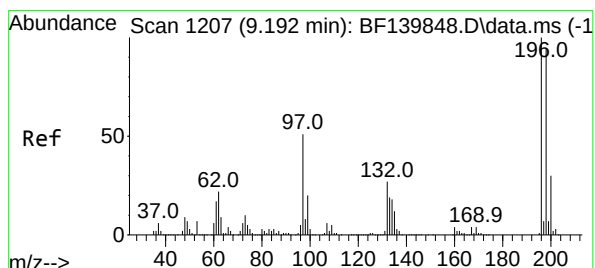
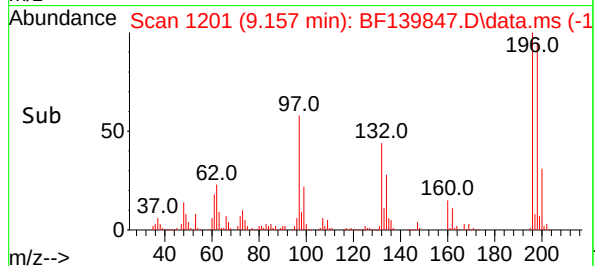
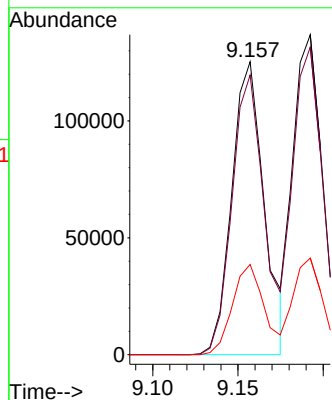
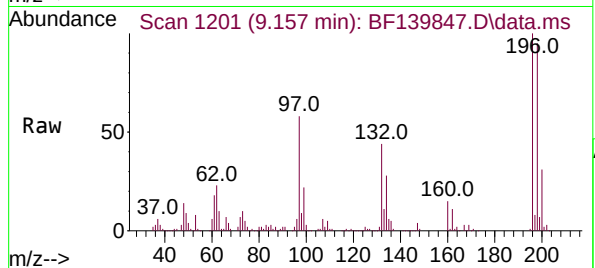
Tgt Ion:196 Resp: 165112

Ion Ratio Lower Upper

196 100

198 95.4 76.2 114.2

200 30.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 20.213 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:196 Resp: 164517

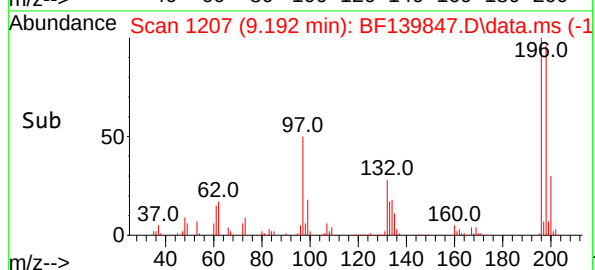
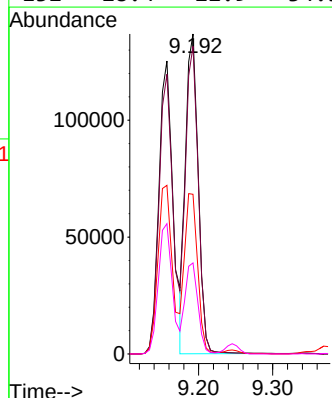
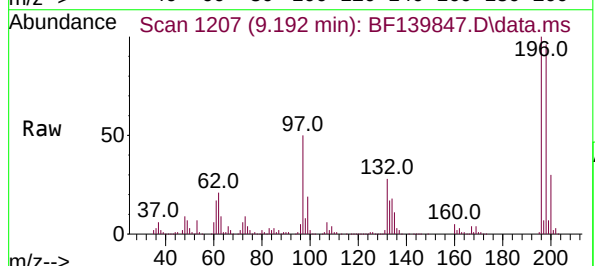
Ion Ratio Lower Upper

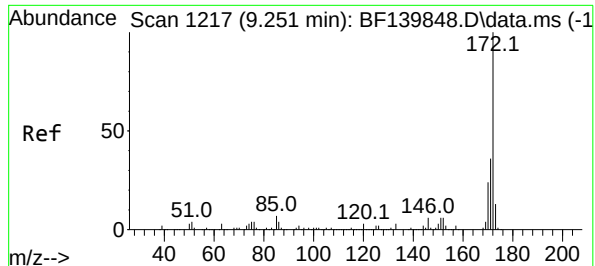
196 100

198 96.2 75.8 113.6

97 49.9 41.8 62.6

132 28.4 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 42.316 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

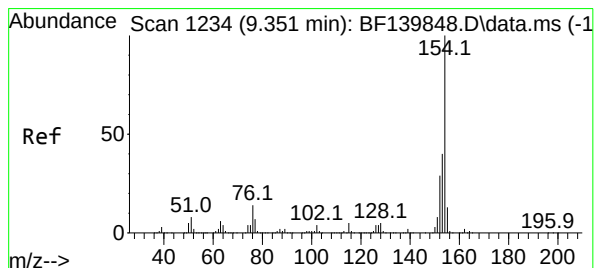
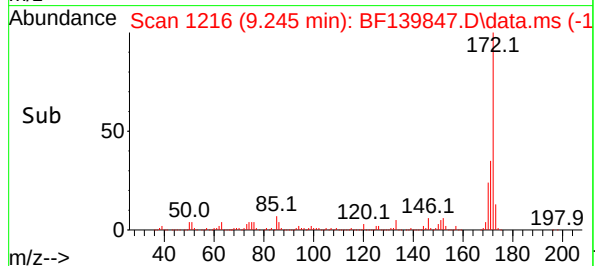
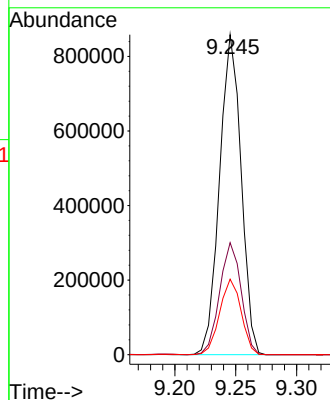
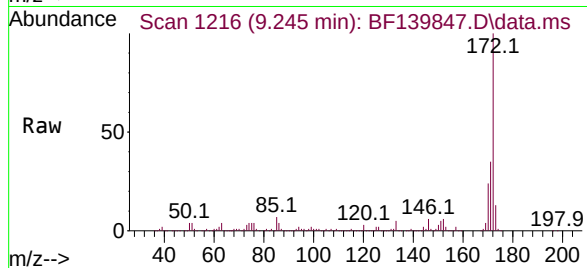
Tgt Ion:172 Resp: 1057523

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 21.297 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

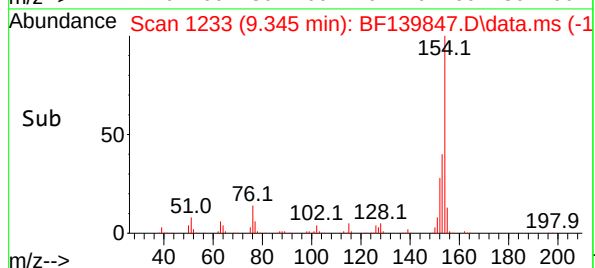
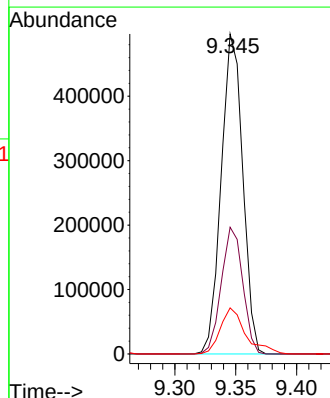
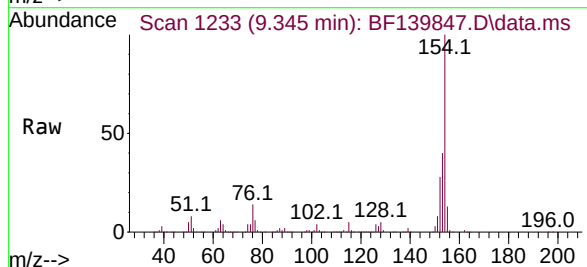
Tgt Ion:154 Resp: 612342

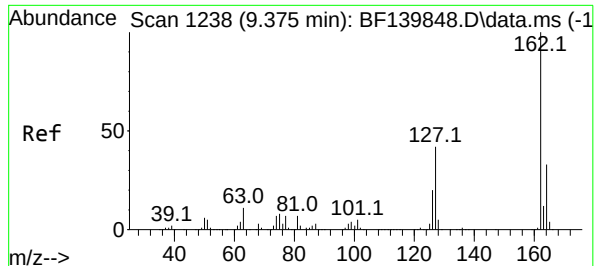
Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

76 14.4 0.0 33.9





#47

2-Chloronaphthalene

Concen: 20.767 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

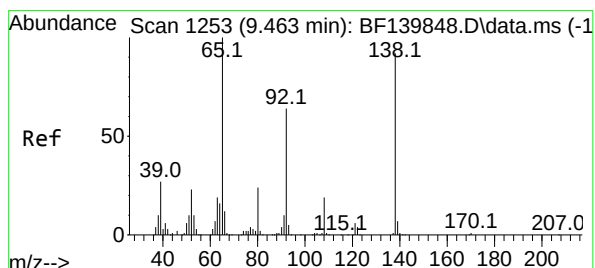
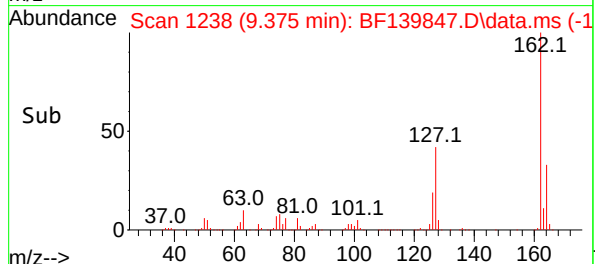
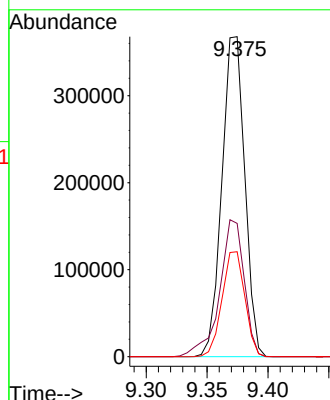
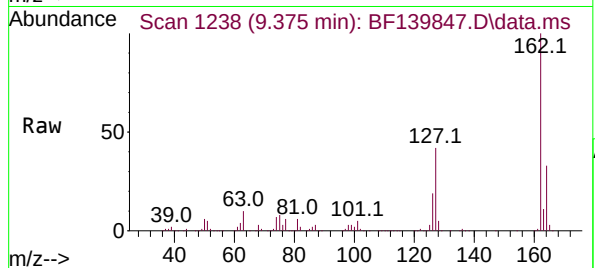
Tgt Ion:162 Resp: 480916

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 20.614 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

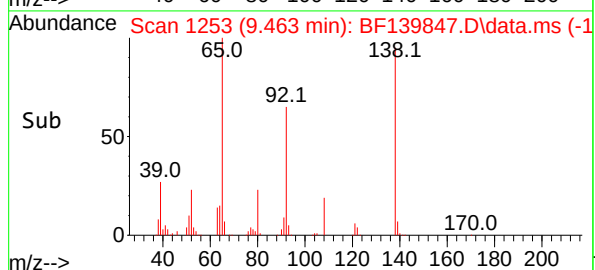
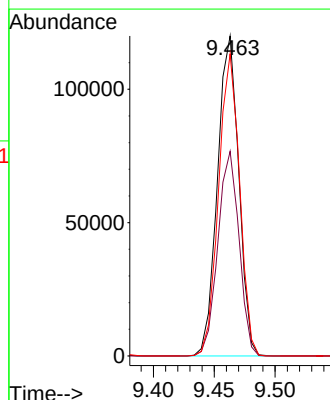
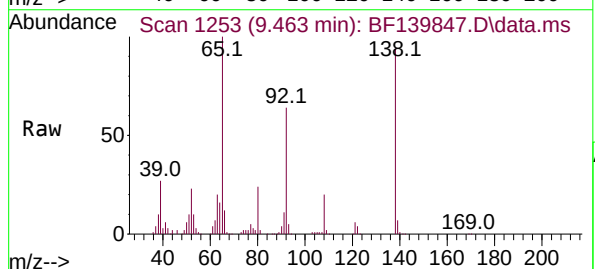
Tgt Ion: 65 Resp: 146002

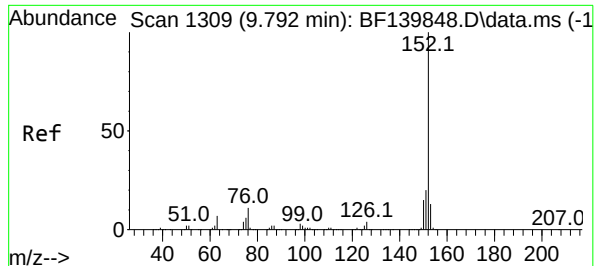
Ion Ratio Lower Upper

65 100

92 64.0 50.9 76.3

138 94.4 73.4 110.0





#49

Acenaphthylene

Concen: 21.182 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

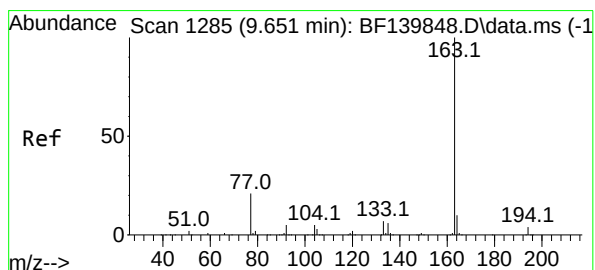
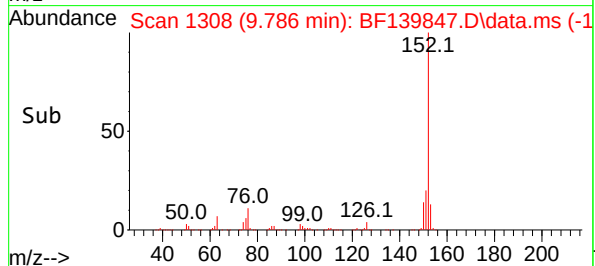
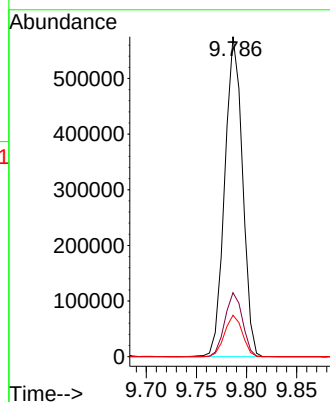
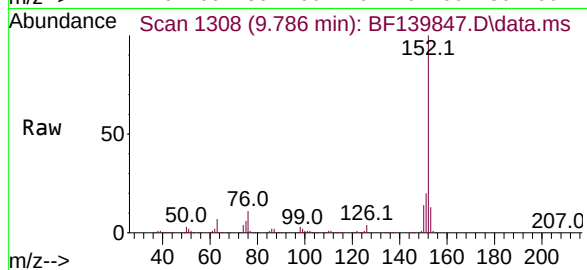
Tgt Ion:152 Resp: 709161

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.0 10.7 16.1



#50

Dimethylphthalate

Concen: 20.592 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

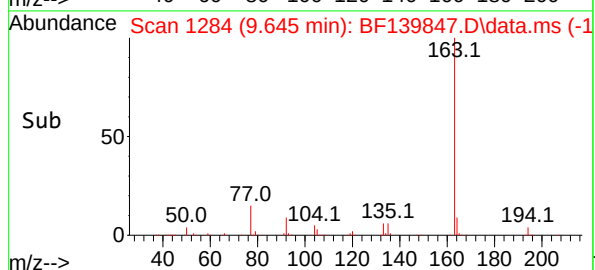
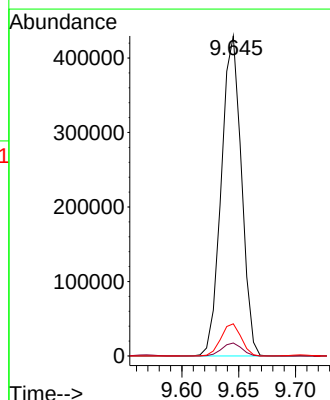
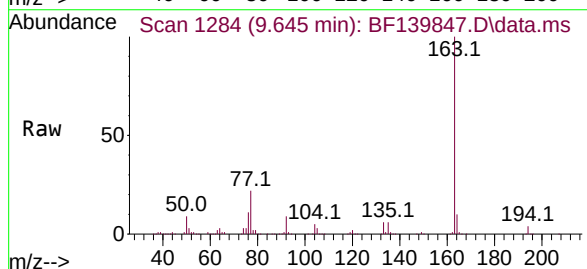
Tgt Ion:163 Resp: 529745

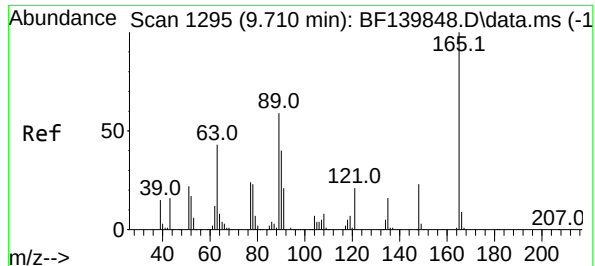
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2

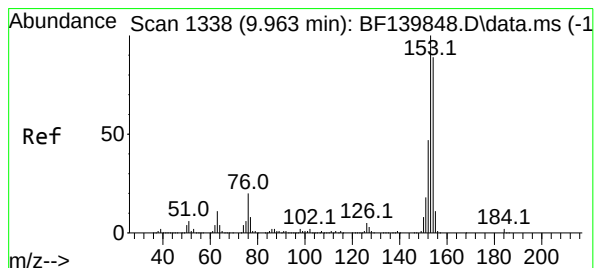
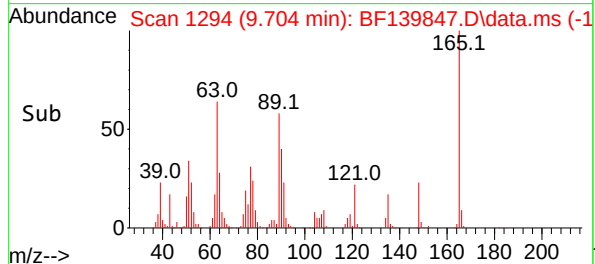
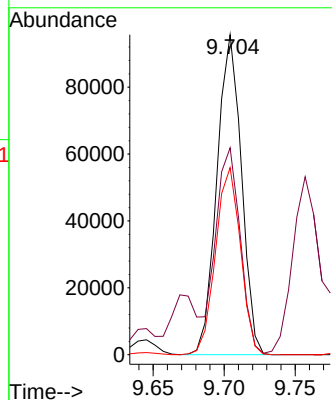
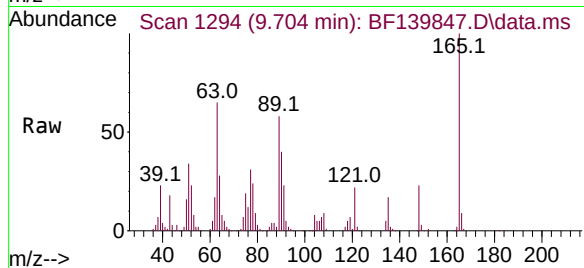




#51
2,6-Dinitrotoluene
Concen: 20.596 ng
RT: 9.704 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

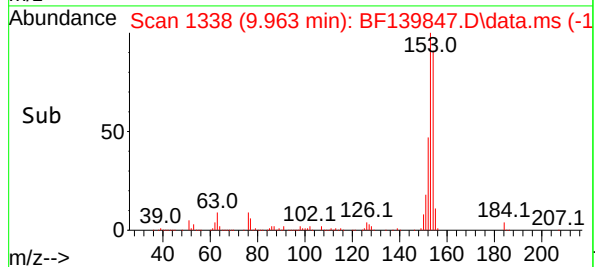
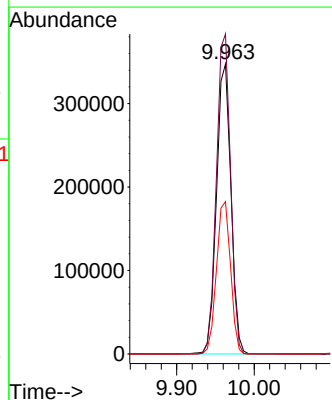
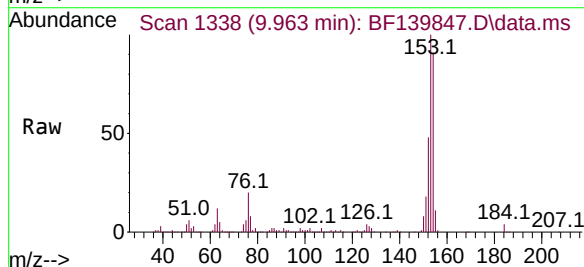
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

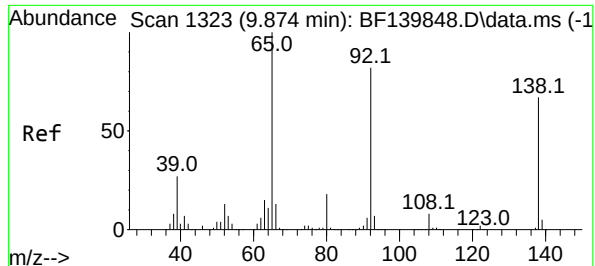
Tgt Ion:165 Resp: 114726
Ion Ratio Lower Upper
165 100
63 64.6 50.6 75.8
89 58.4 47.5 71.3



#52
Acenaphthene
Concen: 20.768 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:154 Resp: 449770
Ion Ratio Lower Upper
154 100
153 110.4 89.8 134.6
152 52.5 42.4 63.6

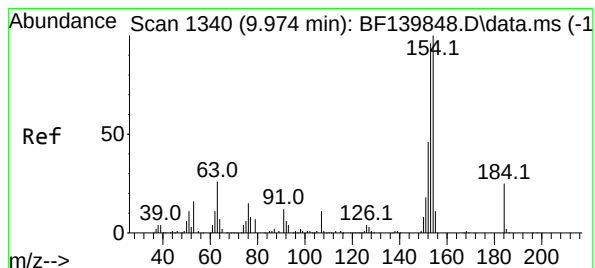
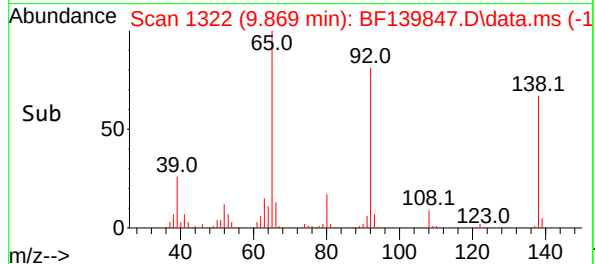
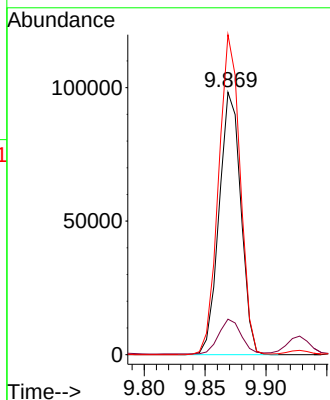
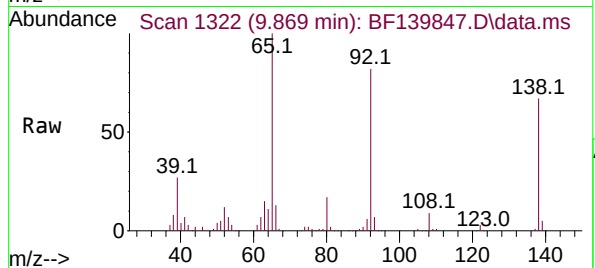




#53
3-Nitroaniline
Concen: 21.271 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

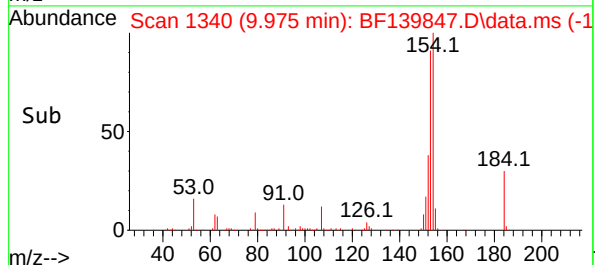
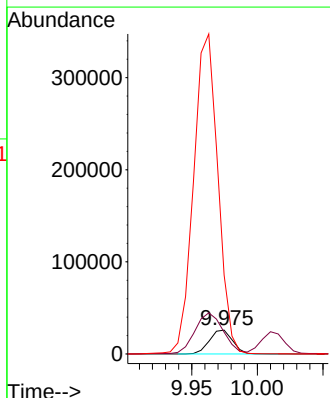
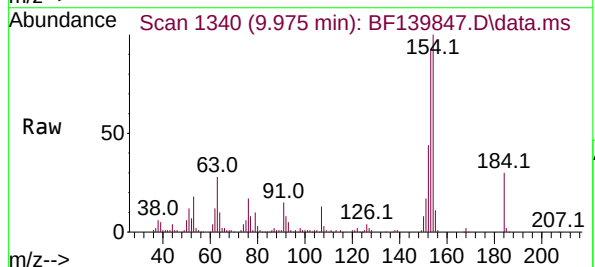
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

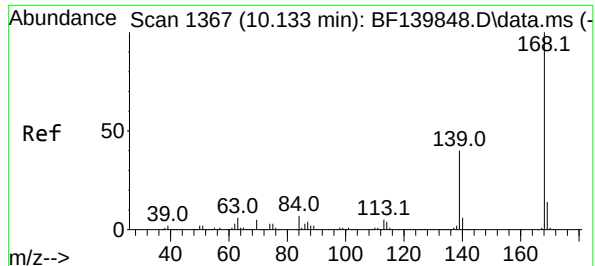
Tgt Ion:138 Resp: 122186
Ion Ratio Lower Upper
138 100
108 13.5 10.2 15.2
92 121.9 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 19.148 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:184 Resp: 31801
Ion Ratio Lower Upper
184 100
63 91.3 84.7 127.1
154 331.4 338.2 507.2#

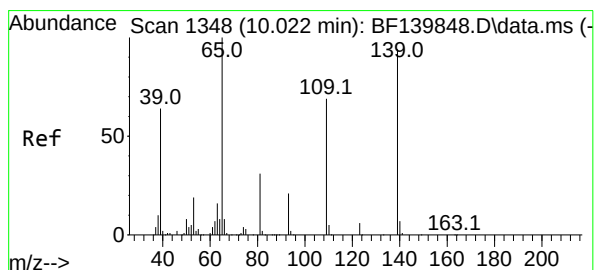
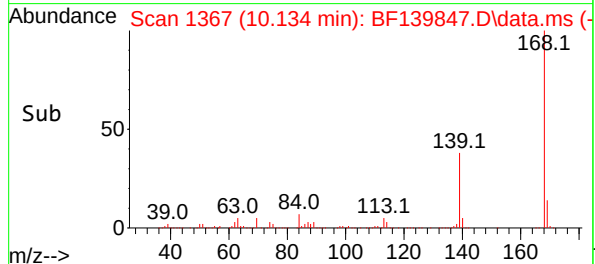
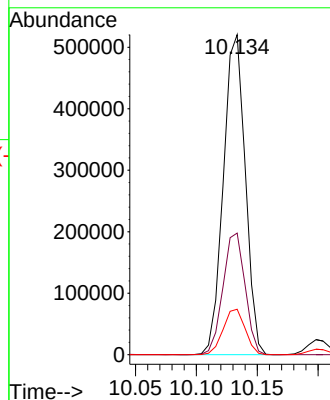
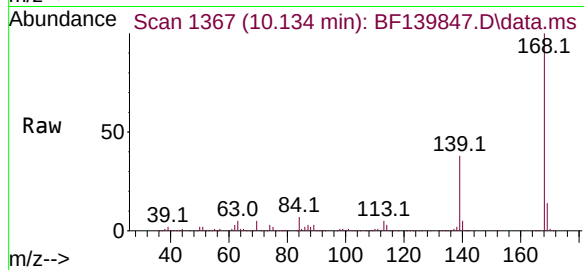




#55
Dibenzofuran
Concen: 20.991 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

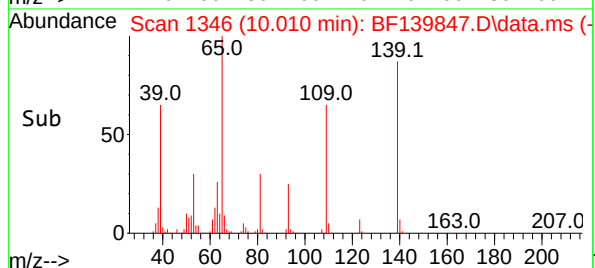
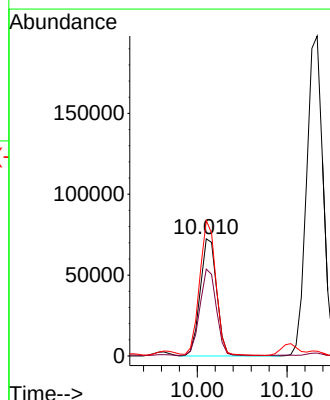
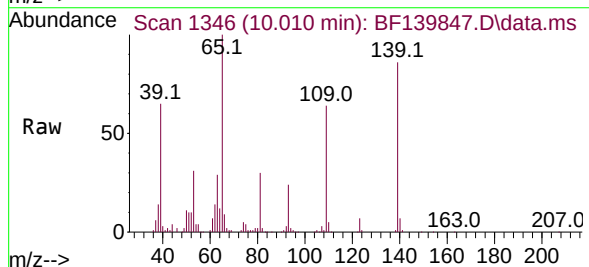
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

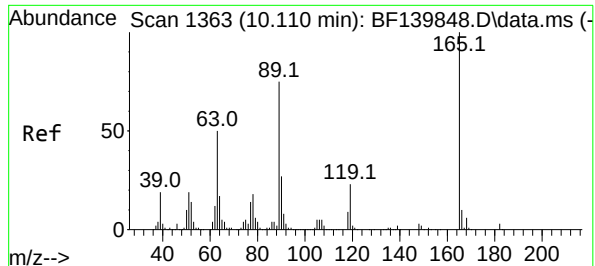
Tgt Ion:168 Resp: 652249
Ion Ratio Lower Upper
168 100
139 38.0 31.8 47.6
169 14.2 11.6 17.4



#56
4-Nitrophenol
Concen: 21.057 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:139 Resp: 93060
Ion Ratio Lower Upper
139 100
109 74.2 53.6 93.6
65 115.7 87.8 127.8

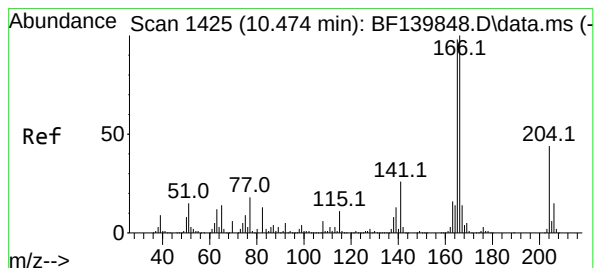
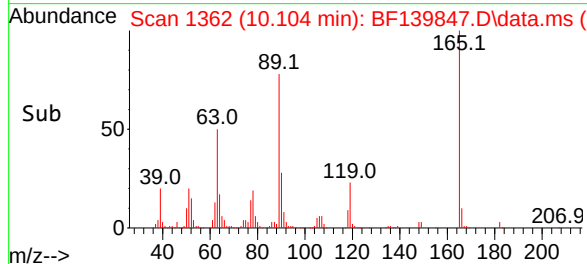
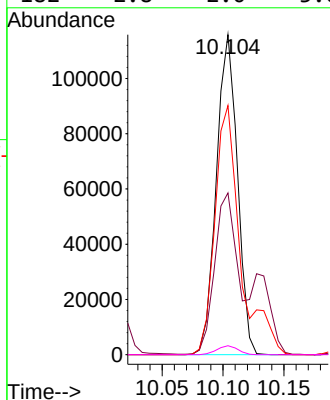
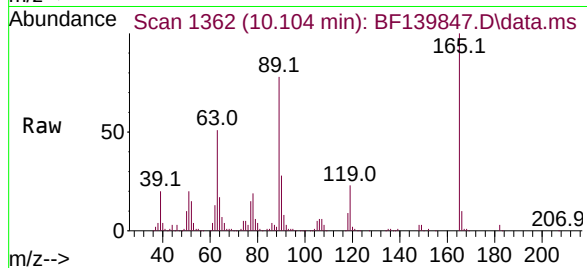




#57
2,4-Dinitrotoluene
Concen: 20.348 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

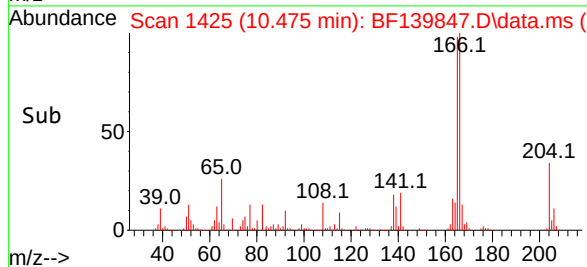
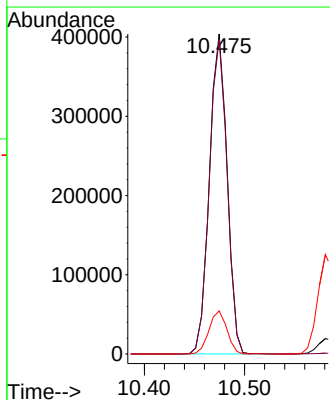
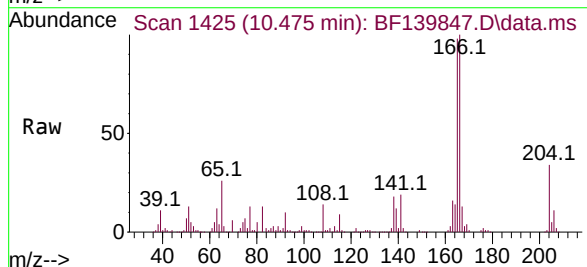
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

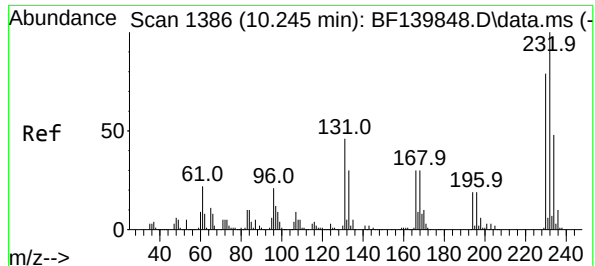
Tgt Ion:165 Resp: 139381
Ion Ratio Lower Upper
165 100
63 50.6 40.1 60.1
89 77.9 60.4 90.6
182 2.8 2.0 3.0



#58
Fluorene
Concen: 20.958 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:166 Resp: 496012
Ion Ratio Lower Upper
166 100
165 98.3 78.5 117.7
167 13.5 10.9 16.3

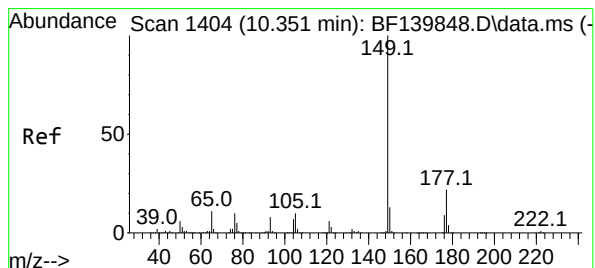
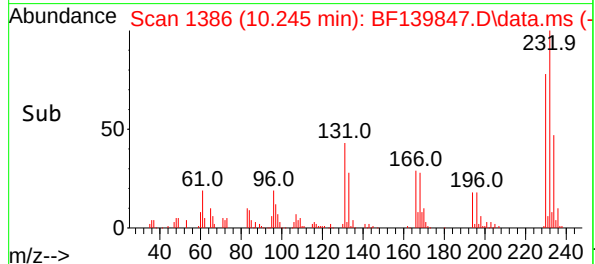
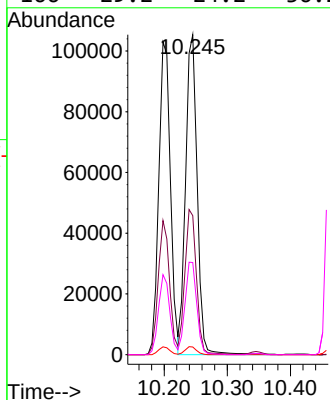
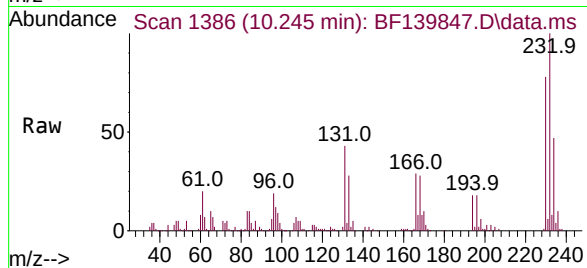




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.133 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

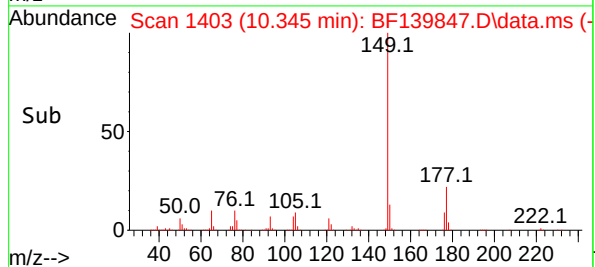
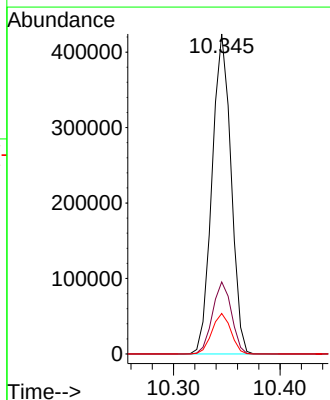
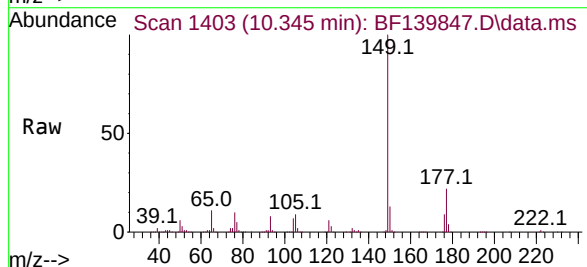
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

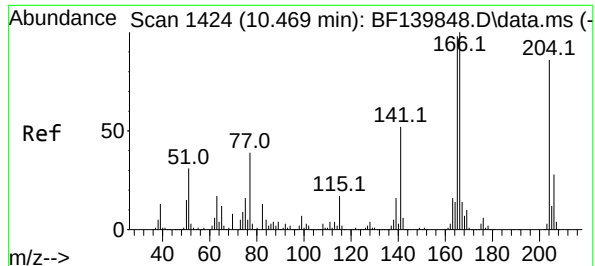
Tgt Ion:232 Resp: 134842
Ion Ratio Lower Upper
232 100
131 45.1 37.0 55.6
130 2.5 1.9 2.9
166 29.2 24.2 36.2



#60
Diethylphthalate
Concen: 20.723 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 523458
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.7 10.1 15.1

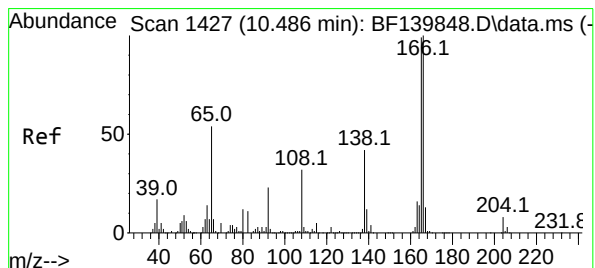
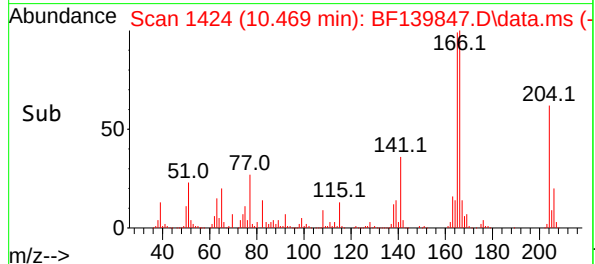
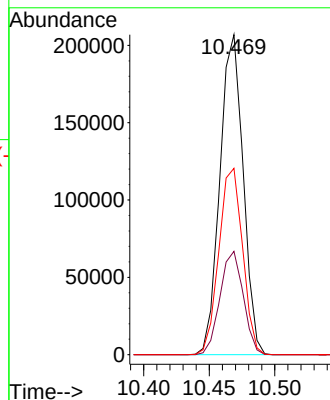
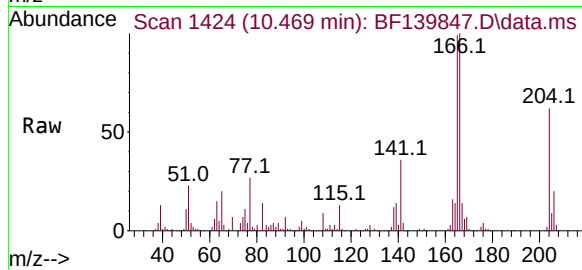




#61
4-Chlorophenyl-phenylether
Concen: 21.331 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

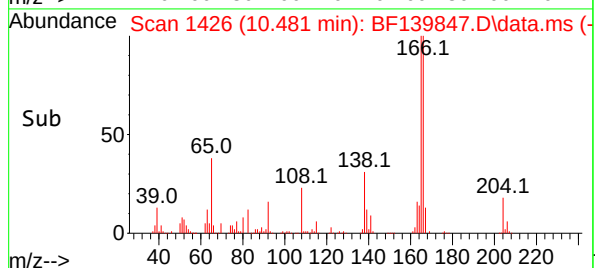
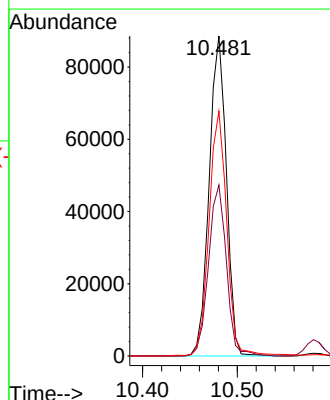
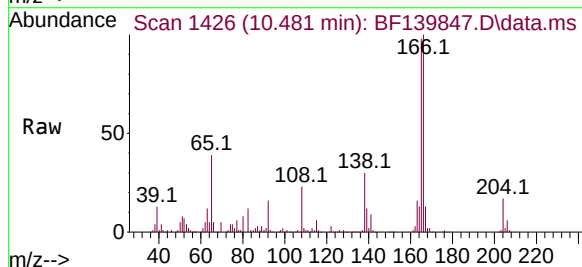
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

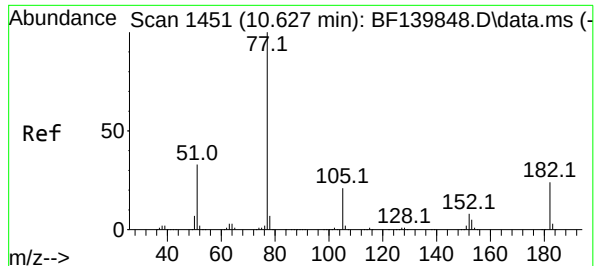
Tgt Ion:204 Resp: 254950
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 58.3 48.6 73.0



#62
4-Nitroaniline
Concen: 20.586 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:138 Resp: 111683
Ion Ratio Lower Upper
138 100
92 53.4 35.7 75.7
108 76.5 57.5 97.5

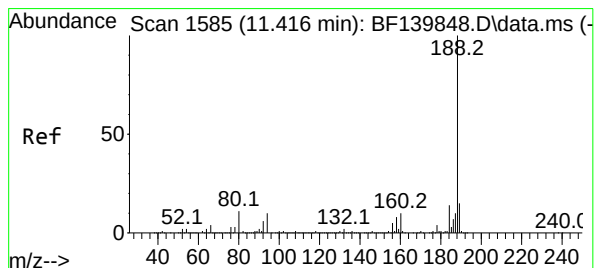
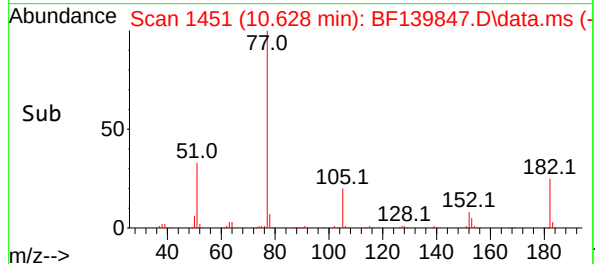
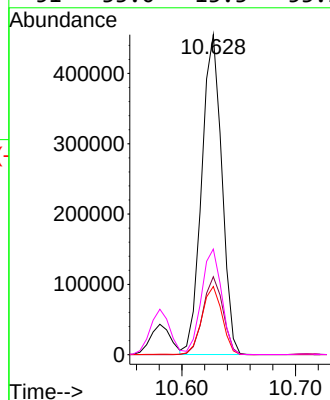
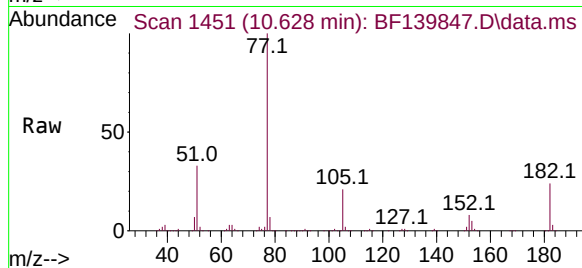




#63
Azobenzene
Concen: 20.906 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

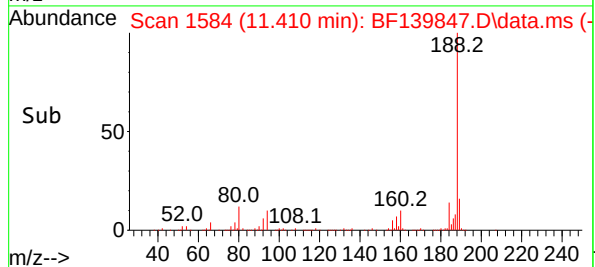
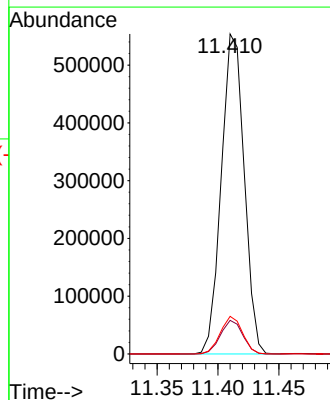
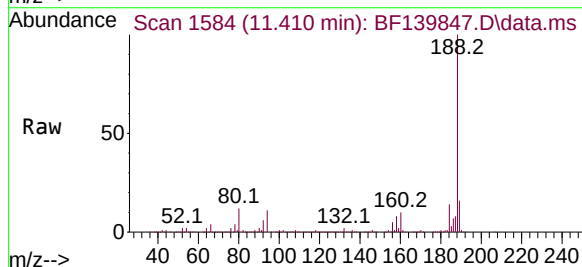
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

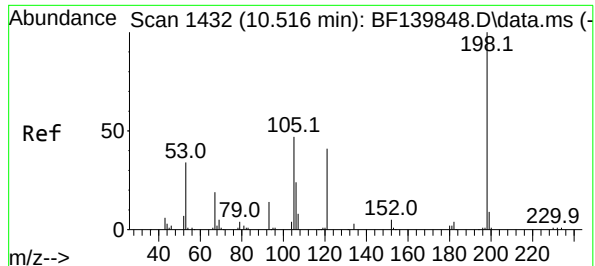
Tgt Ion: 77	Resp: 559837
Ion Ratio	Lower Upper
77 100	
182 24.4	3.3 43.3
105 21.3	1.2 41.2
51 33.0	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 188	Resp: 724973
Ion Ratio	Lower Upper
188 100	
94 10.5	7.9 11.9
80 11.7	9.0 13.4

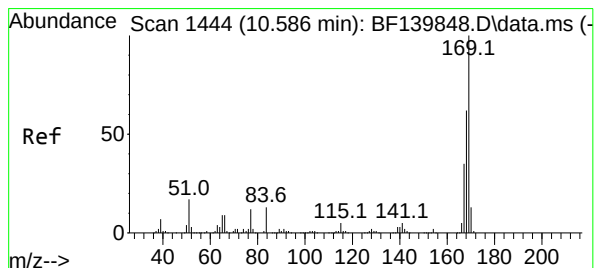
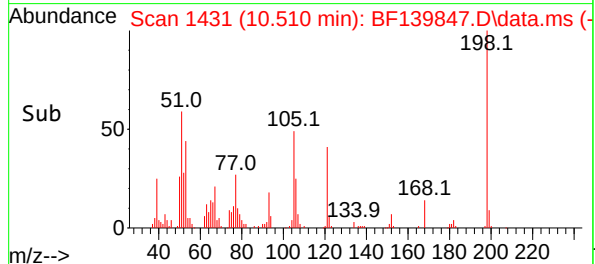
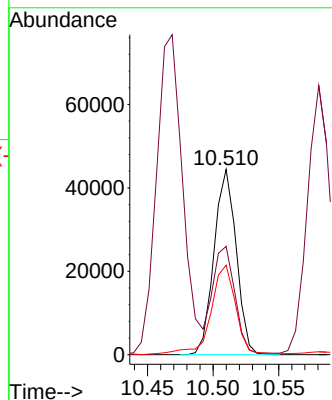
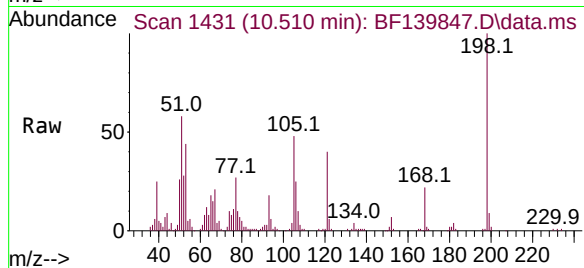




#65
4,6-Dinitro-2-methylphenol
Concen: 17.645 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

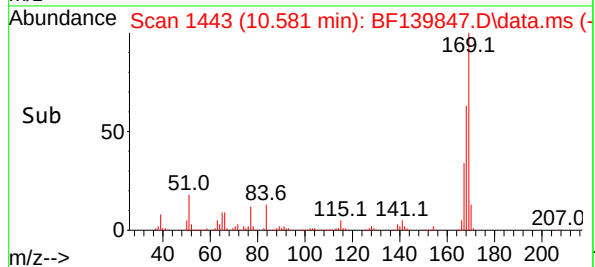
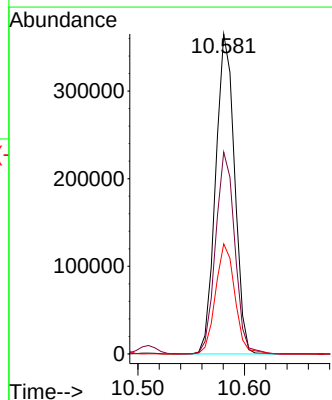
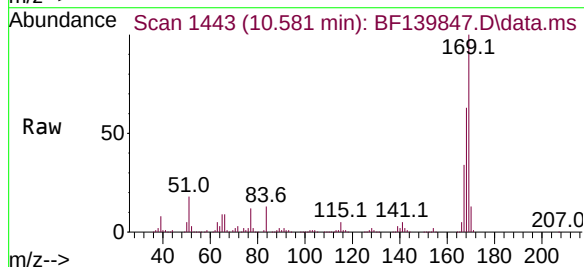
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

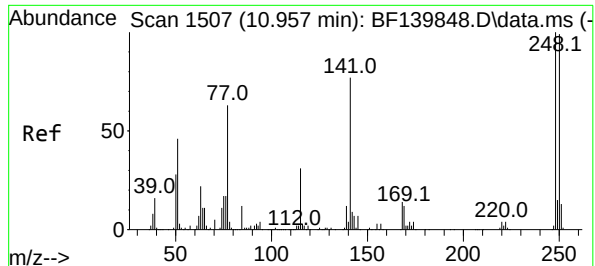
Tgt Ion:198 Resp: 52180
Ion Ratio Lower Upper
198 100
51 58.5 38.2 78.2
105 48.3 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 20.736 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:169 Resp: 449925
Ion Ratio Lower Upper
169 100
168 63.1 49.8 74.6
167 34.4 28.0 42.0





#67

4-Bromophenyl-phenylether

Concen: 20.512 ng

RT: 10.957 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

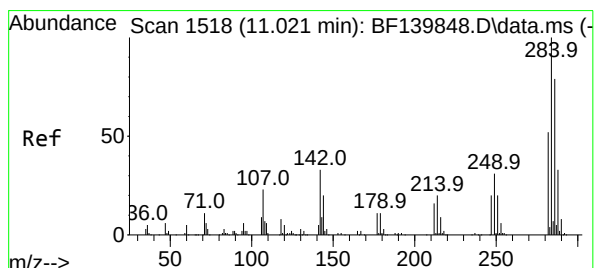
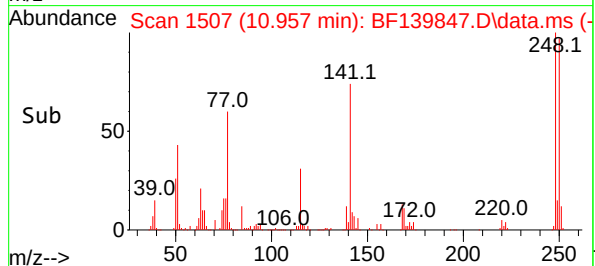
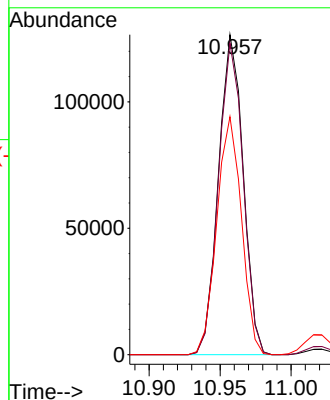
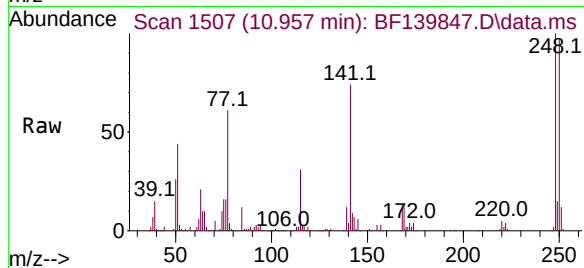
Tgt Ion:248 Resp: 153196

Ion Ratio Lower Upper

248 100

250 97.4 79.0 118.6

141 74.3 61.7 92.5



#68

Hexachlorobenzene

Concen: 20.488 ng

RT: 11.022 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

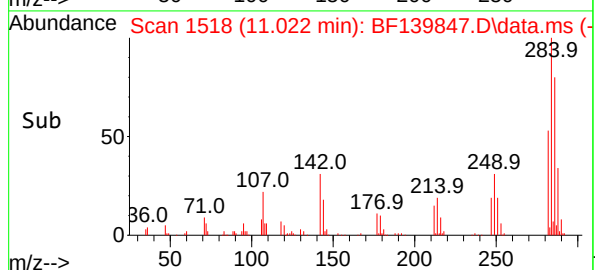
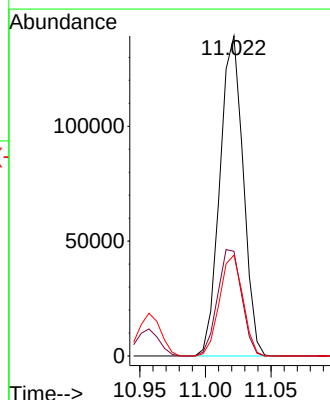
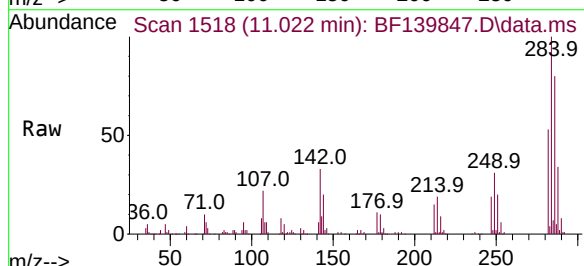
Tgt Ion:284 Resp: 172091

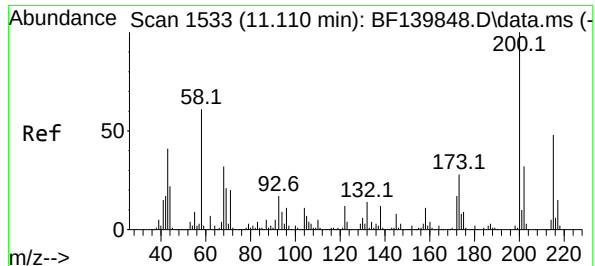
Ion Ratio Lower Upper

284 100

142 32.7 26.9 40.3

249 31.5 25.3 37.9





#69

Atrazine

Concen: 19.240 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

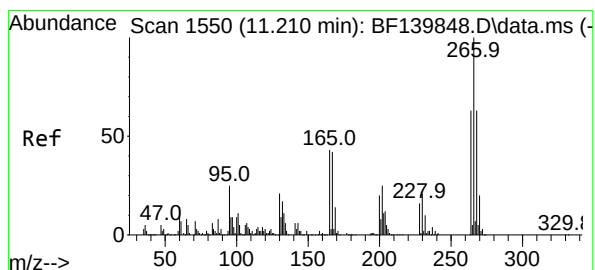
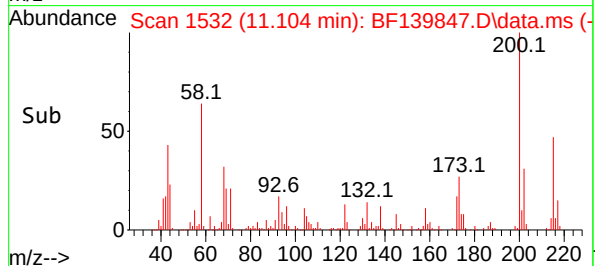
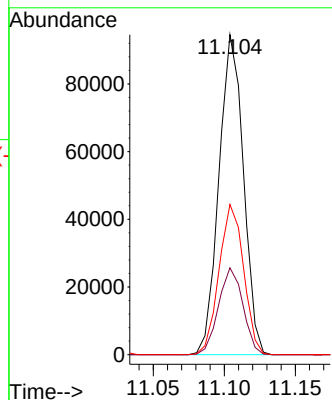
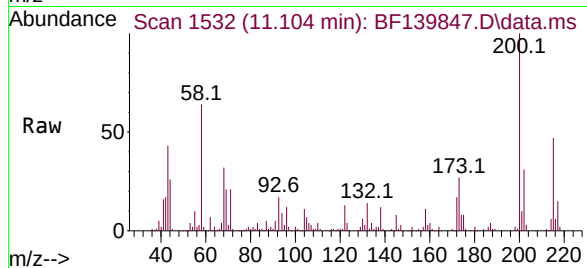
Tgt Ion:200 Resp: 113089

Ion Ratio Lower Upper

200 100

173 27.2 7.7 47.7

215 46.9 27.7 67.7



#70

Pentachlorophenol

Concen: 21.106 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

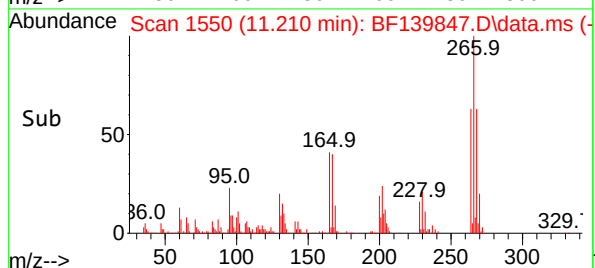
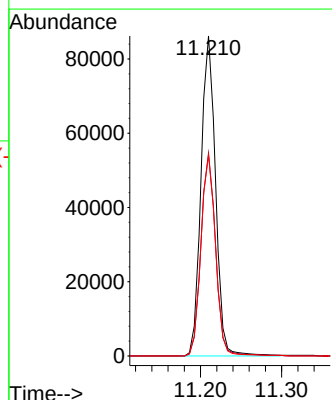
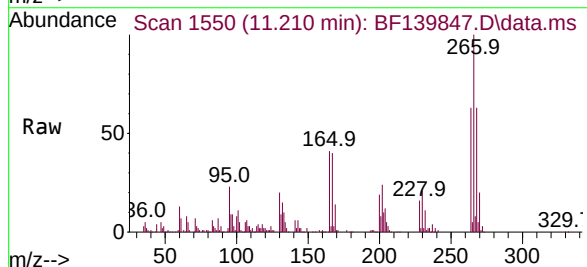
Tgt Ion:266 Resp: 107595

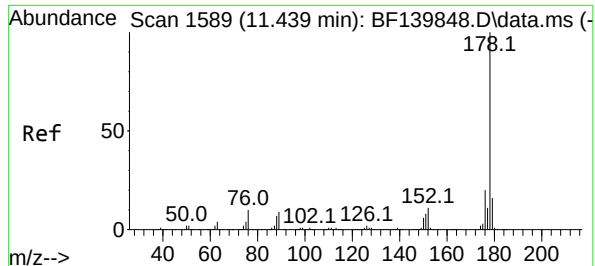
Ion Ratio Lower Upper

266 100

268 63.4 50.4 75.6

264 62.8 50.6 75.8

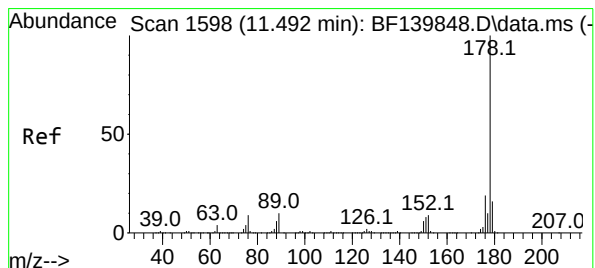
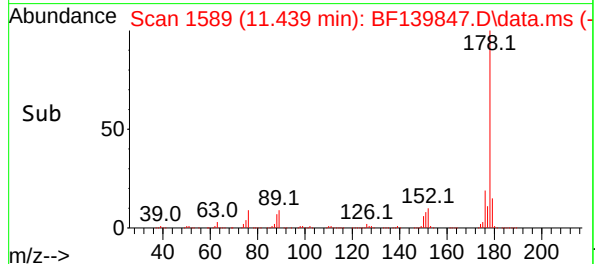
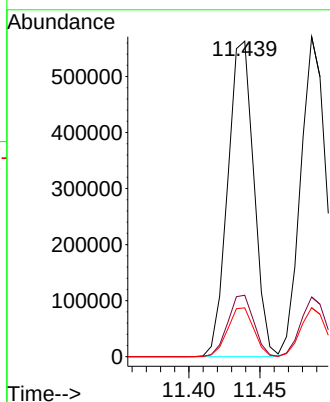
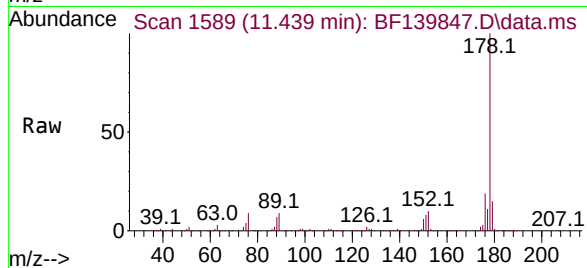




#71
Phenanthrene
Concen: 21.036 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

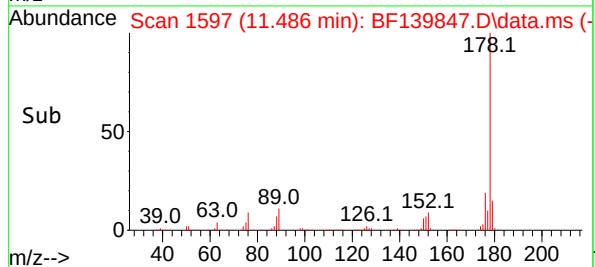
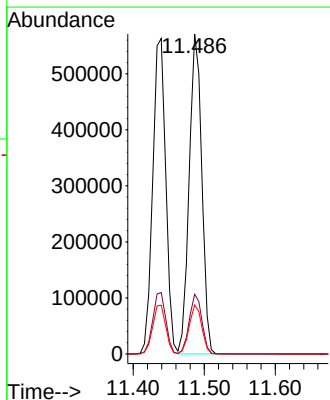
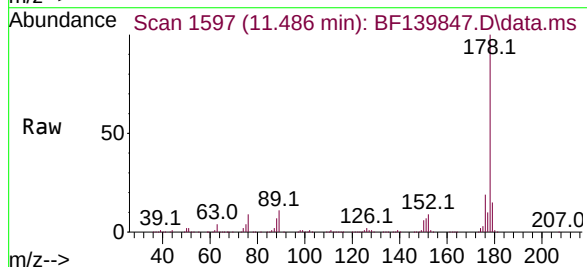
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

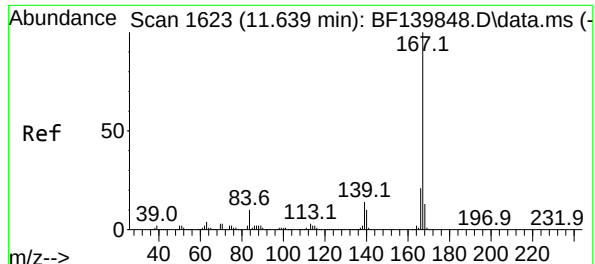
Tgt Ion:178 Resp: 720363
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.5 12.6 18.8



#72
Anthracene
Concen: 21.083 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:178 Resp: 704417
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.4 18.6

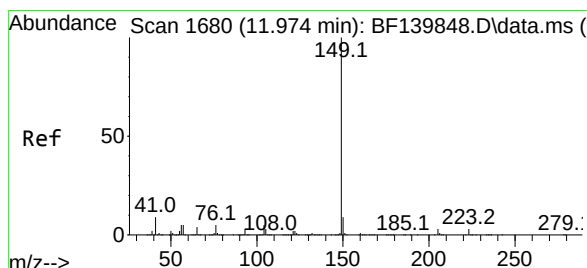
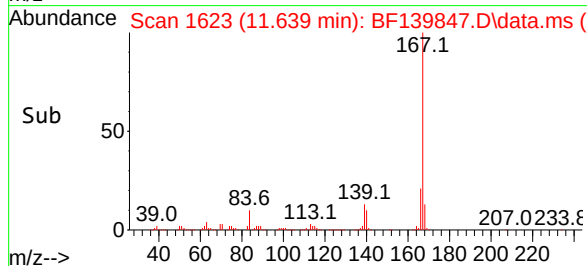
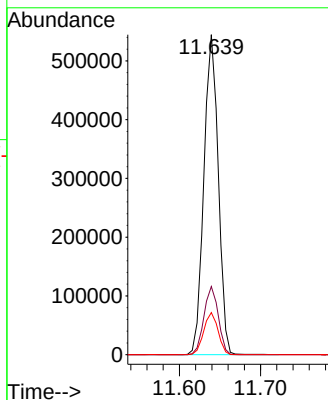
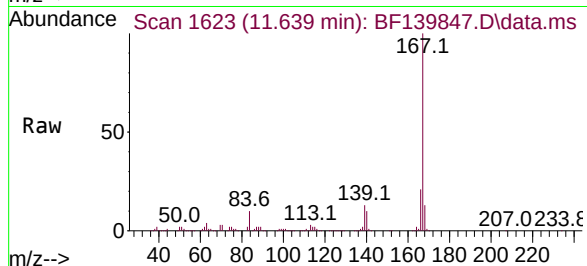




#73
Carbazole
Concen: 21.540 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

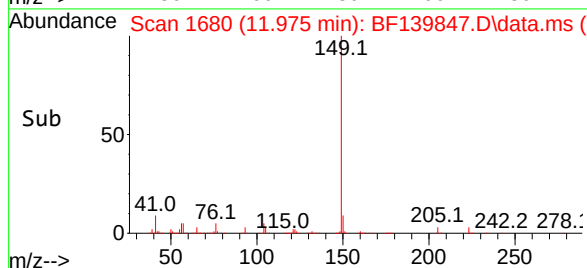
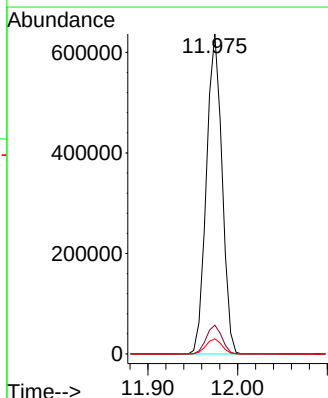
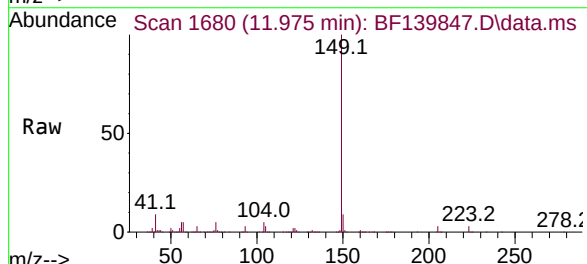
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

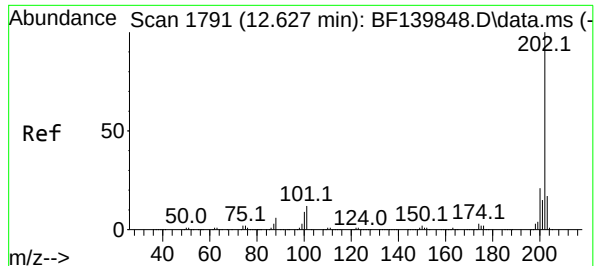
Tgt Ion:167 Resp: 669328
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 13.1 10.8 16.2



#74
Di-n-butylphthalate
Concen: 21.442 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 769779
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 4.8 4.1 6.1

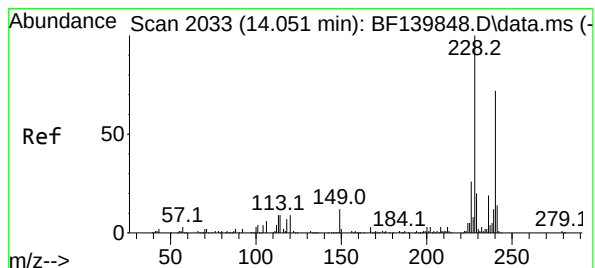
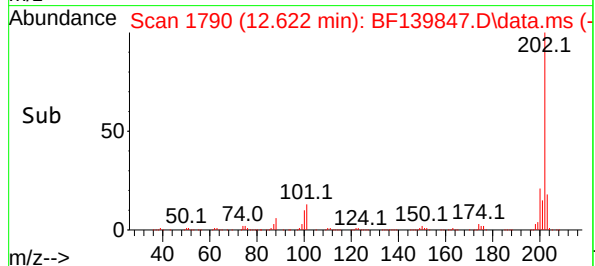
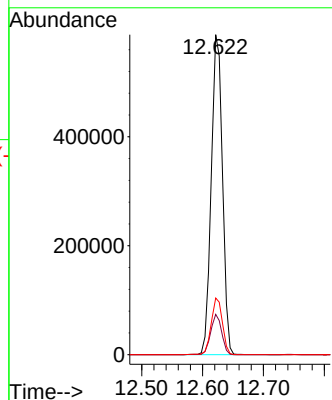
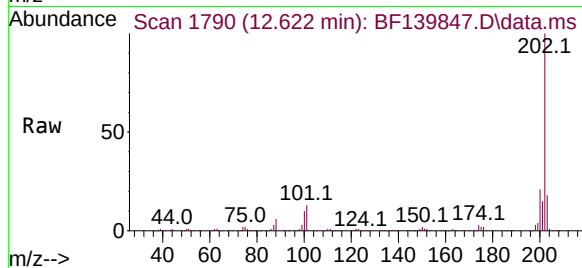




#75
Fluoranthene
Concen: 21.703 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

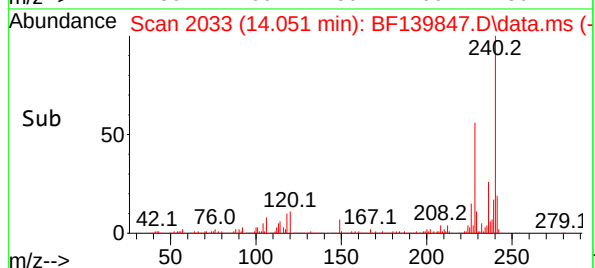
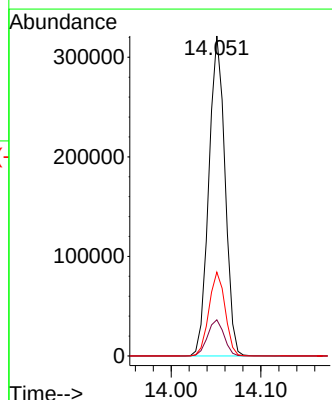
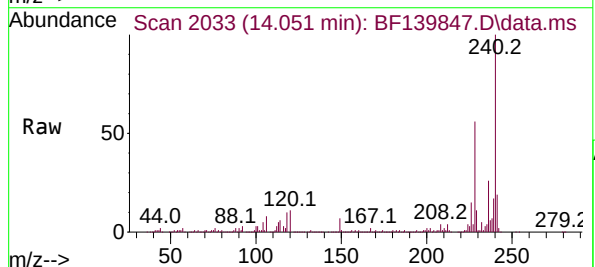
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

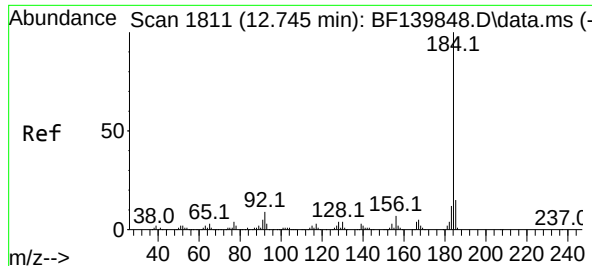
Tgt Ion:202 Resp: 751337
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:240 Resp: 402251
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 26.2 20.9 31.3

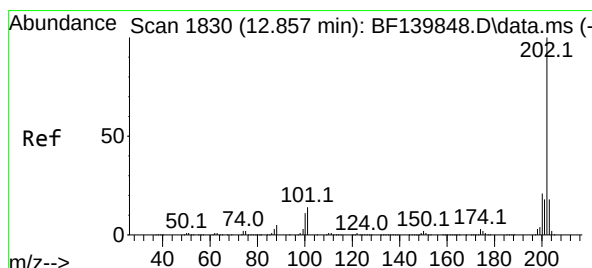
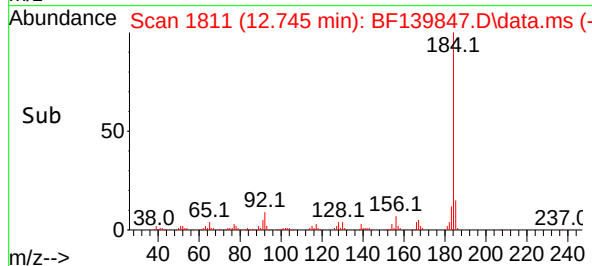
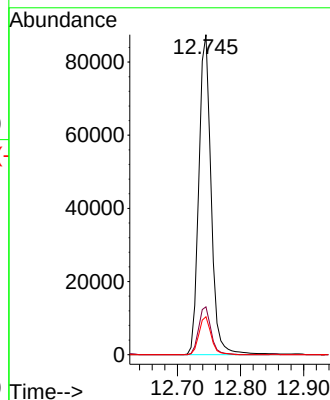
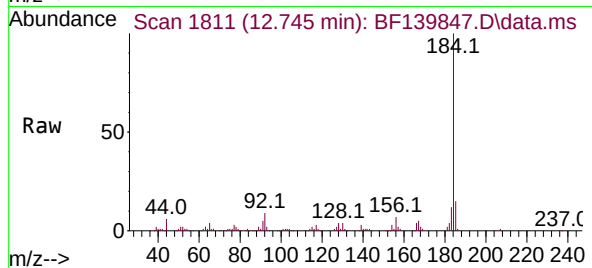




#77
Benzidine
Concen: 18.042 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

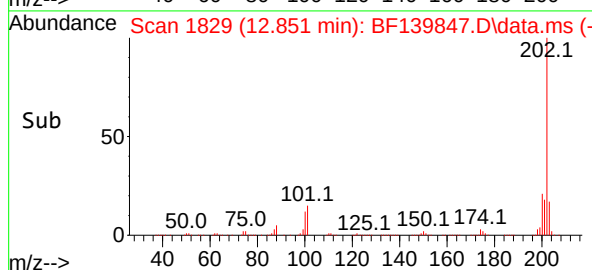
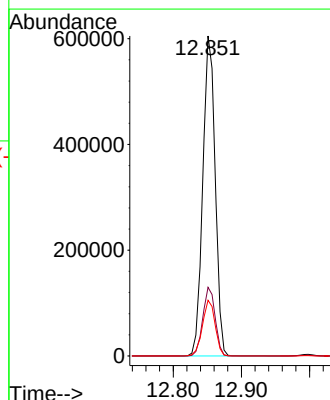
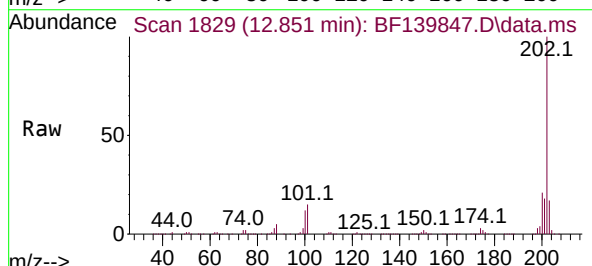
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

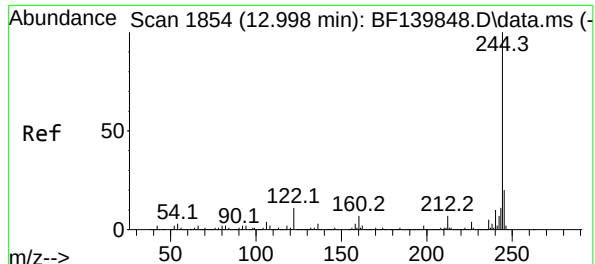
Tgt Ion:184 Resp: 118035
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 11.8 9.4 14.2



#78
Pyrene
Concen: 21.700 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:202 Resp: 764077
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 43.673 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

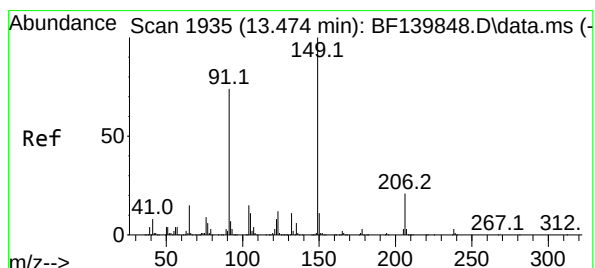
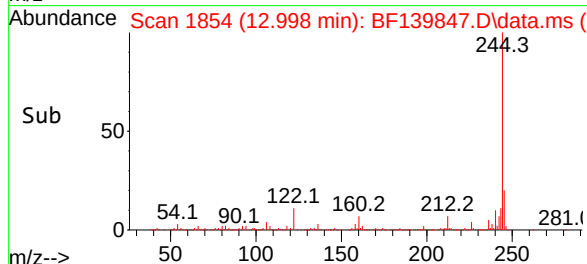
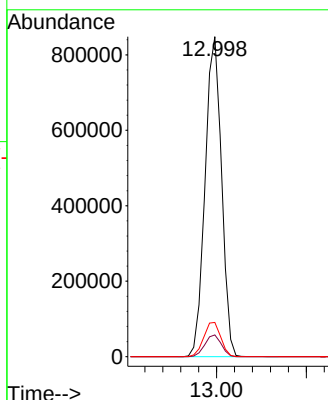
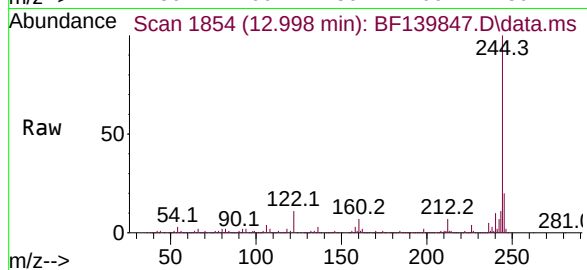
Tgt Ion:244 Resp: 1078101

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 20.432 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

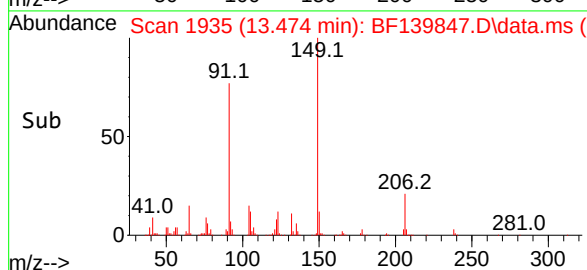
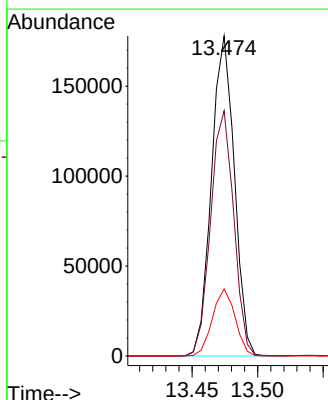
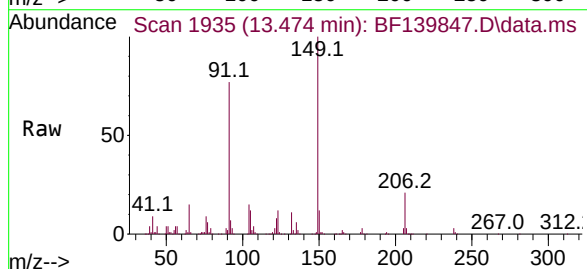
Tgt Ion:149 Resp: 215683

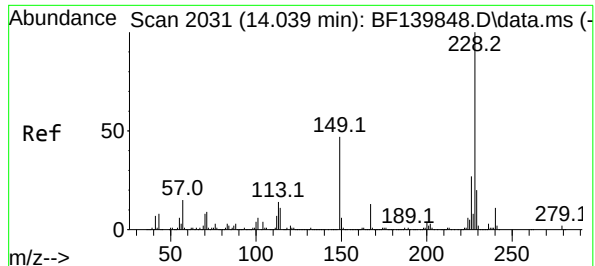
Ion Ratio Lower Upper

149 100

91 76.6 59.4 89.2

206 20.9 16.4 24.6

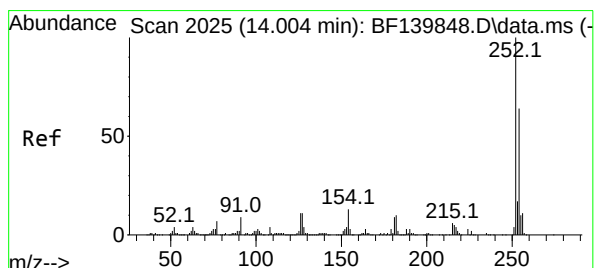
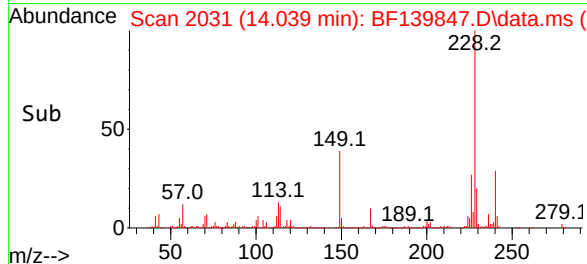
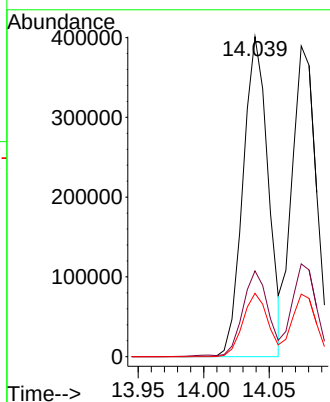
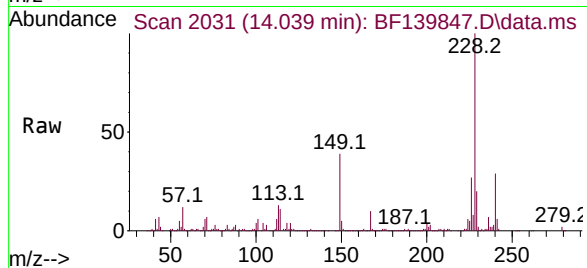




#81
Benzo(a)anthracene
Concen: 20.413 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

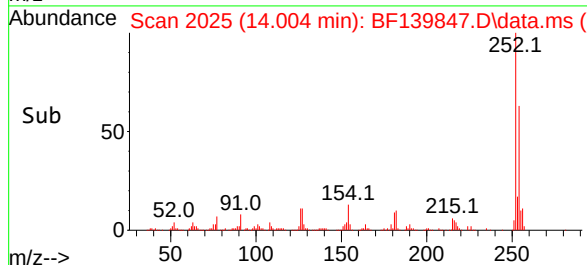
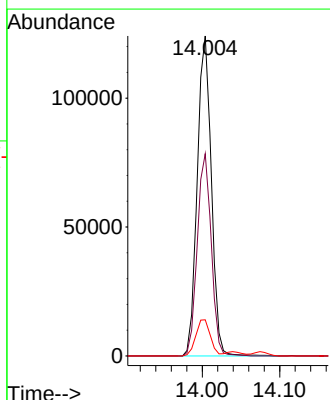
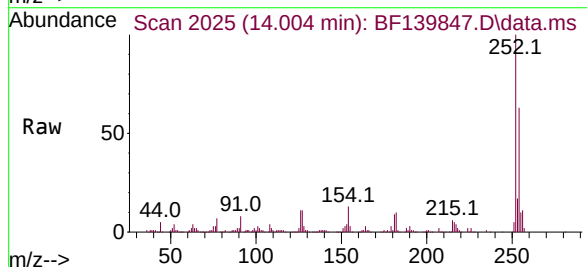
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

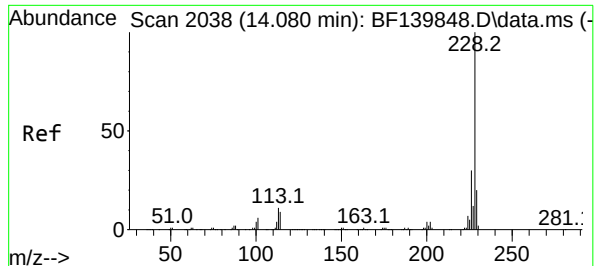
Tgt Ion:228 Resp: 534525
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 19.8 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 20.534 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 156770
Ion Ratio Lower Upper
252 100
254 63.2 50.8 76.2
126 11.3 8.9 13.3





#83

Chrysene

Concen: 20.678 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

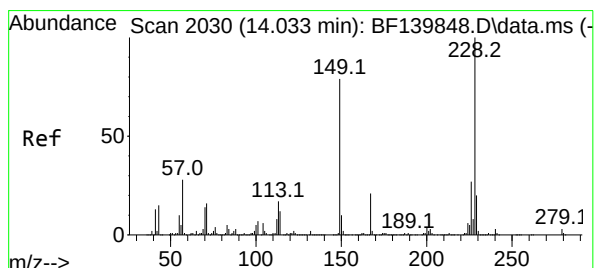
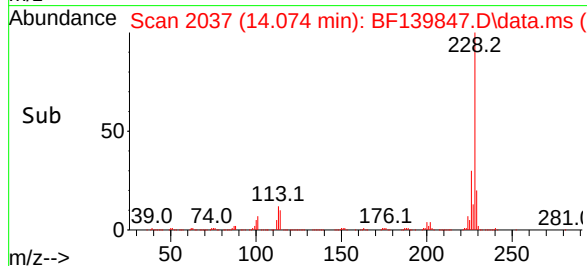
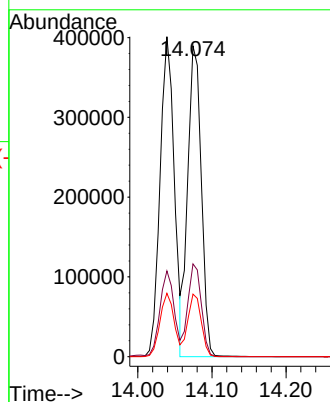
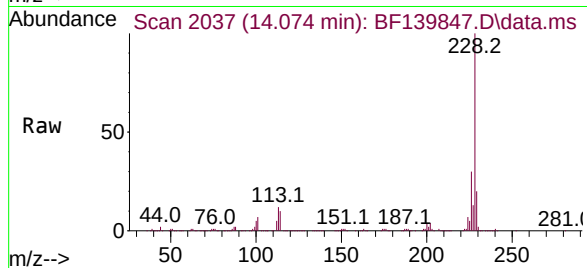
Tgt Ion:228 Resp: 496447

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.606 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

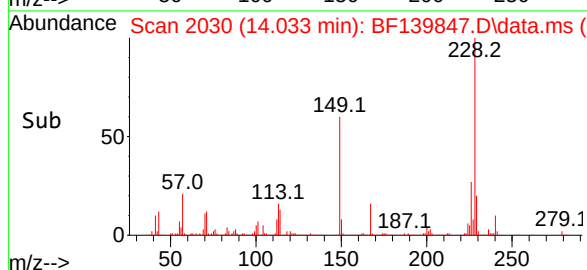
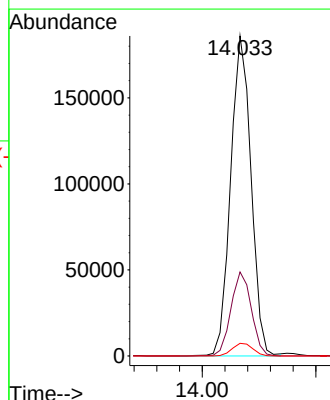
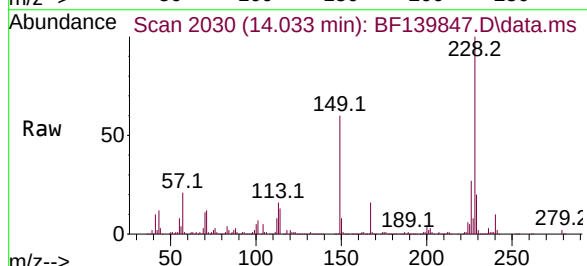
Tgt Ion:149 Resp: 232200

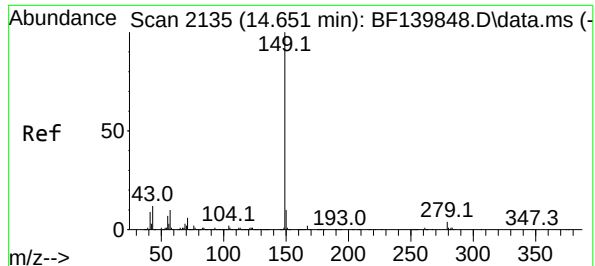
Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.0

279 4.0 3.0 4.4

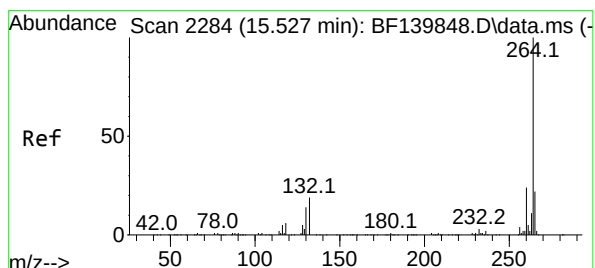
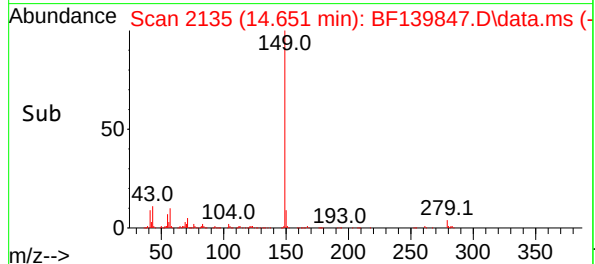
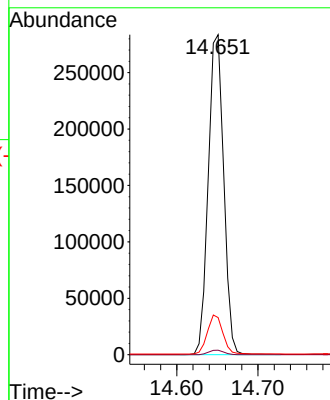
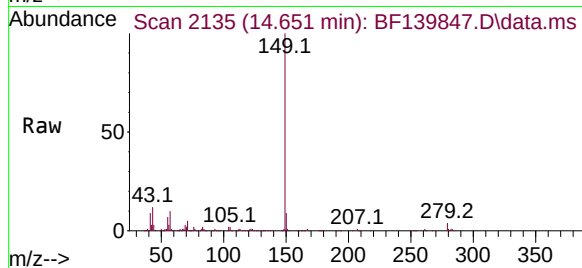




#85
Di-n-octyl phthalate
Concen: 17.359 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

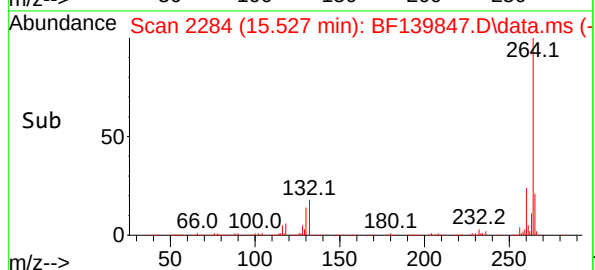
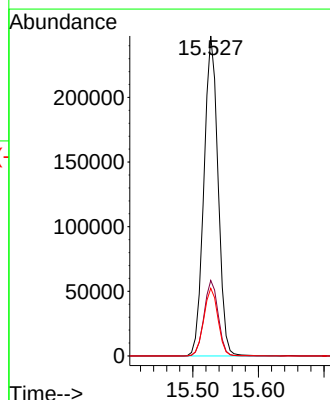
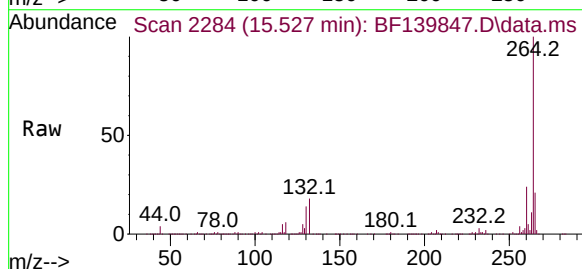
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

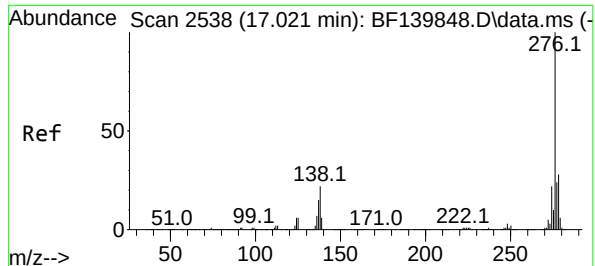
Tgt Ion:149 Resp: 373952
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 12.2 9.8 14.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:264 Resp: 371811
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 21.1 17.4 26.0

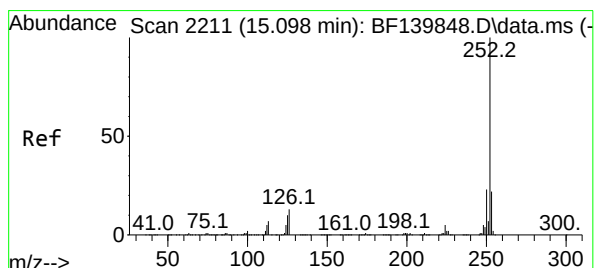
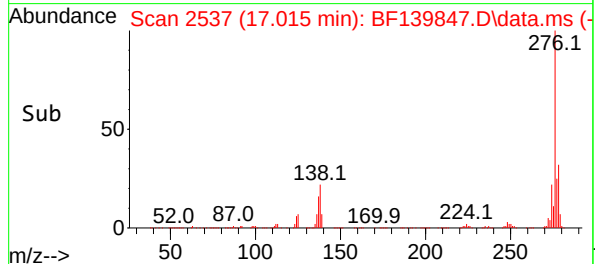
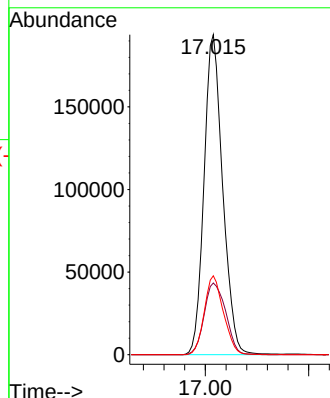
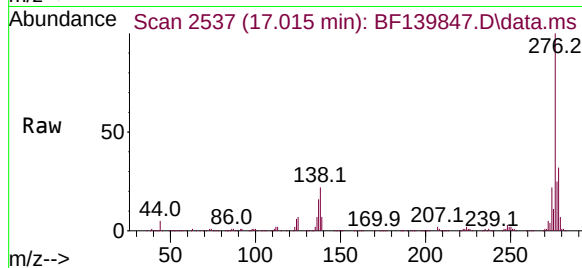




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.312 ng
RT: 17.015 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

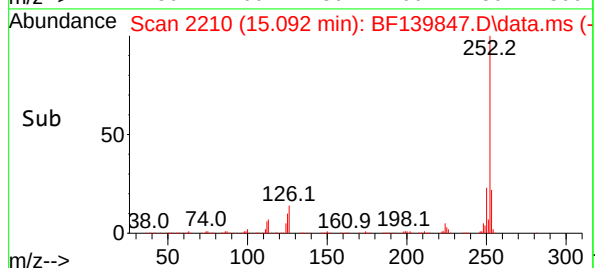
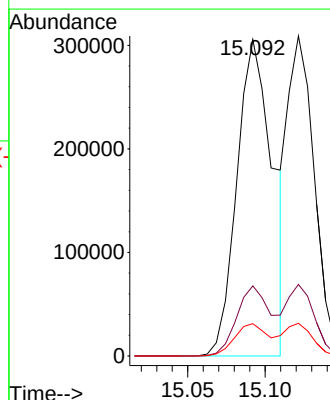
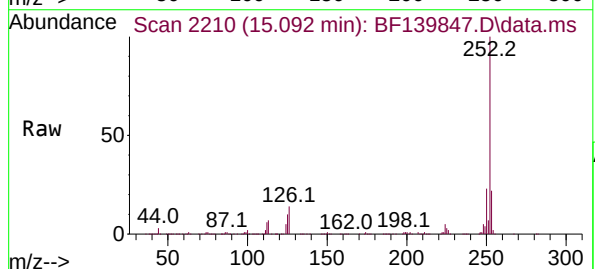
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

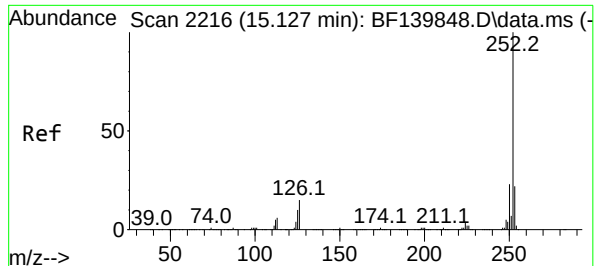
Tgt Ion:276 Resp: 485858
Ion Ratio Lower Upper
276 100
138 25.9 20.4 30.6
277 25.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 21.659 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 490566
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 18.883 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

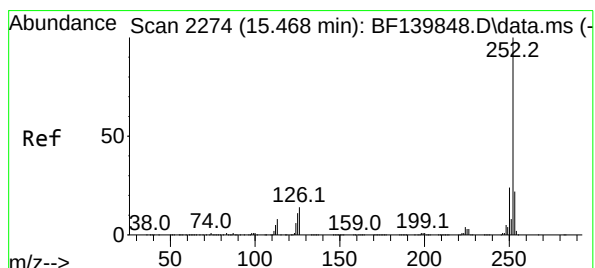
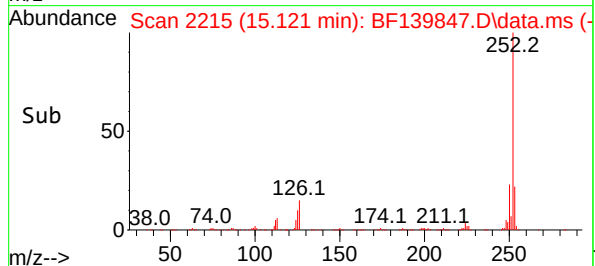
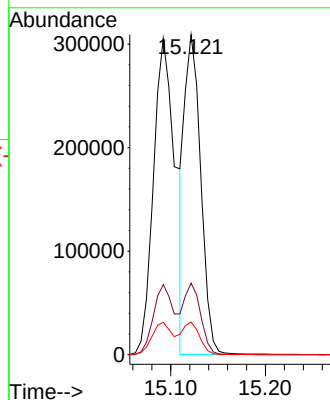
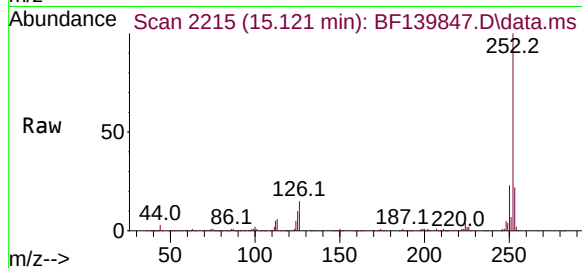
Tgt Ion:252 Resp: 368835

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 20.316 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

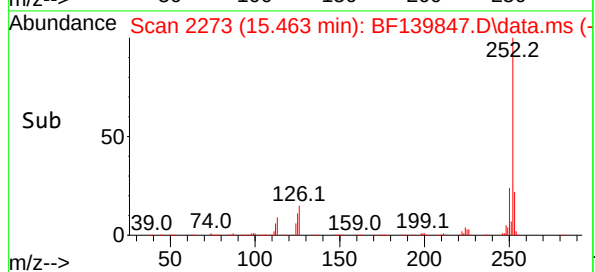
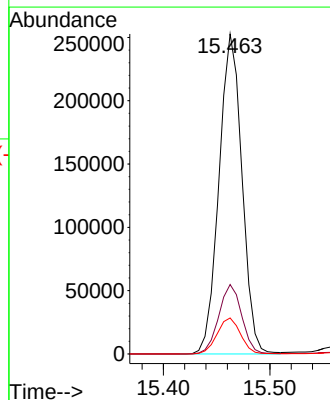
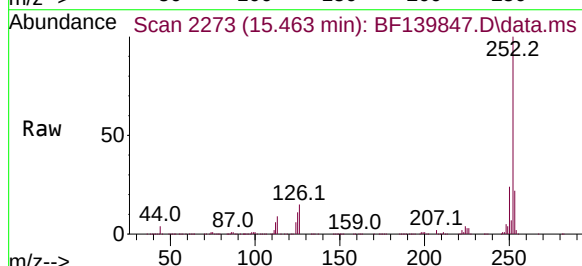
Tgt Ion:252 Resp: 378617

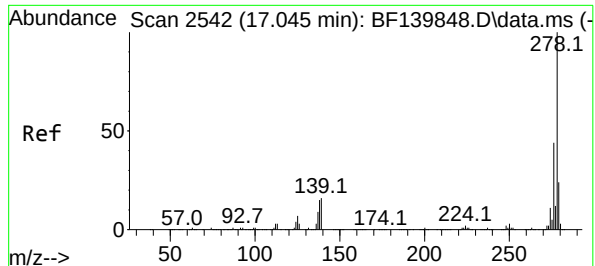
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.2 8.7 13.1

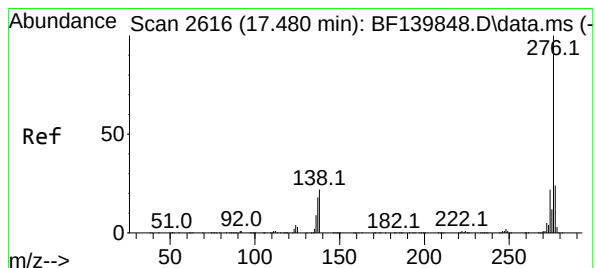
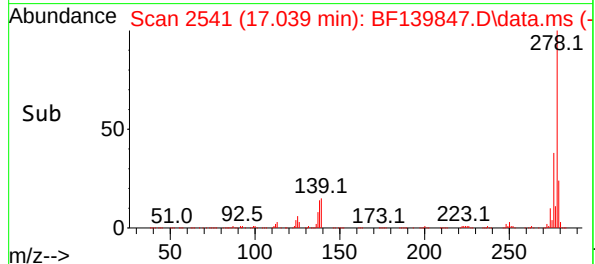
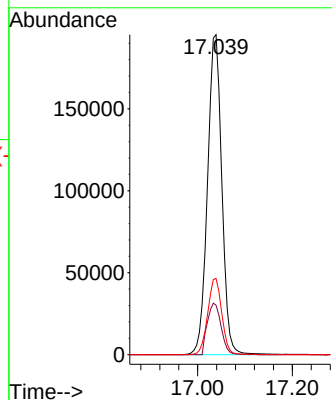
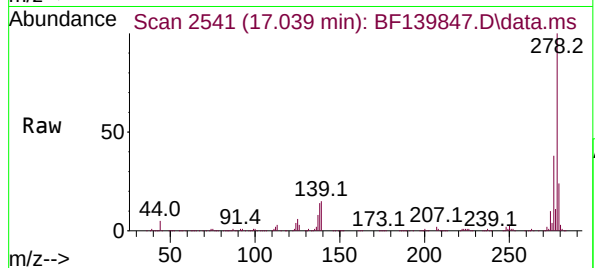




#91
Dibenzo(a,h)anthracene
Concen: 20.561 ng
RT: 17.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

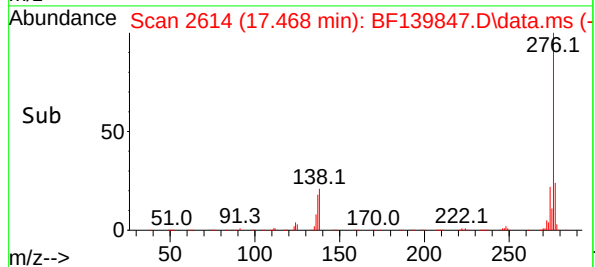
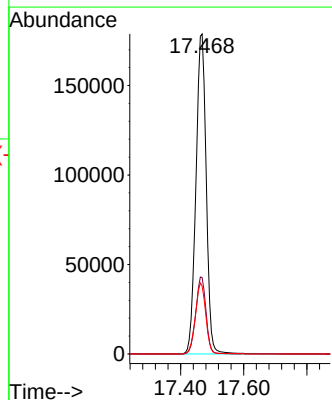
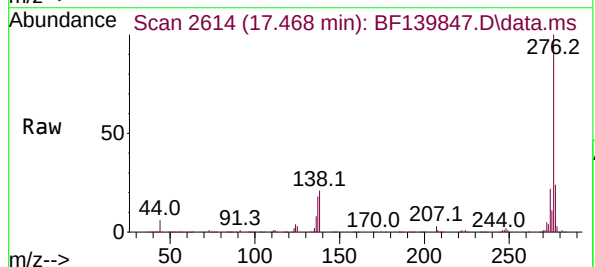
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 410285
Ion Ratio Lower Upper
278 100
139 15.4 13.1 19.7
279 23.8 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 20.326 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:276 Resp: 405140
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 21.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139848.D
 Acq On : 18 Oct 2024 12:20
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	181899	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	688880	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	379753	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	663459	20.000	ng	0.00
76) Chrysene-d12	14.051	240	345800	20.000	ng	0.00
86) Perylene-d12	15.527	264	365076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	929569	80.002	ng	0.00
7) Phenol-d6	6.510	99	1197998	79.607	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021808	82.209	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	285205	80.292	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1764495	76.791	ng	0.00
79) Terphenyl-d14	12.998	244	1721125	81.103	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	214958	39.679	ng	100
3) Pyridine	3.446	79	547145	40.746	ng	100
4) n-Nitrosodimethylamine	3.398	42	293138	40.631	ng	100
6) Aniline	6.551	93	575402	41.026	ng	100
8) 2-Chlorophenol	6.675	128	476614	40.124	ng	100
9) Benzaldehyde	6.439	77	341959	40.393	ng	100
10) Phenol	6.522	94	622748m	39.429	ng	
11) bis(2-Chloroethyl)ether	6.628	93	470765	39.258	ng	100
12) 1,3-Dichlorobenzene	6.834	146	545252	39.988	ng	100
13) 1,4-Dichlorobenzene	6.910	146	541068	39.718	ng	100
14) 1,2-Dichlorobenzene	7.063	146	501857	39.473	ng	100
15) Benzyl Alcohol	7.028	79	441461	39.991	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.169	45	820216	40.113	ng	100
17) 2-Methylphenol	7.133	107	405109	39.996	ng	100
18) Hexachloroethane	7.404	117	196637	40.478	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	354454	38.835	ng	100
20) 3+4-Methylphenols	7.286	107	515857	39.818	ng	100
22) Acetophenone	7.298	105	663304	39.312	ng	100
24) Nitrobenzene	7.475	77	555115	40.735	ng	100
25) Isophorone	7.710	82	935400	39.651	ng	100
26) 2-Nitrophenol	7.786	139	216916	42.193	ng	100
27) 2,4-Dimethylphenol	7.816	122	341985	39.894	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	567188	39.683	ng	100
29) 2,4-Dichlorophenol	8.022	162	390330	39.976	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	434274	40.195	ng	100
31) Naphthalene	8.198	128	1409796	39.681	ng	100
32) Benzoic acid	7.922	122	302443	40.451	ng	100
33) 4-Chloroaniline	8.239	127	483982	39.950	ng	100
34) Hexachlorobutadiene	8.316	225	271315	39.967	ng	100
35) Caprolactam	8.610	113	126585	40.772	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	433727	40.116	ng	100
37) 2-Methylnaphthalene	8.886	142	856111	39.345	ng	100
38) 1-Methylnaphthalene	8.986	142	842638	39.471	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	407511	39.776	ng	100
41) Hexachlorocyclopentadiene	9.039	237	150540	42.229	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	293577	40.474	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139848.D
 Acq On : 18 Oct 2024 12:20
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	304213	40.651	ng	100
46) 1,1'-Biphenyl	9.351	154	1047094	39.608	ng	100
47) 2-Chloronaphthalene	9.375	162	843452	39.613	ng	100
48) 2-Nitroaniline	9.463	65	277165	42.562	ng	100
49) Acenaphthylene	9.792	152	1226273	39.837	ng	100
50) Dimethylphthalate	9.651	163	939670	39.726	ng	100
51) 2,6-Dinitrotoluene	9.710	165	212956	41.580	ng	100
52) Acenaphthene	9.963	154	792756	39.811	ng	100
53) 3-Nitroaniline	9.874	138	222098	42.051	ng	100
54) 2,4-Dinitrophenol	9.974	184	76948	39.739	ng	100
55) Dibenzofuran	10.133	168	1128670	39.505	ng	100
56) 4-Nitrophenol	10.022	139	175913	43.292	ng	100
57) 2,4-Dinitrotoluene	10.110	165	270604	42.965	ng	100
58) Fluorene	10.474	166	843048	38.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	235175	40.087	ng	100
60) Diethylphthalate	10.351	149	922384	39.715	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	432393	39.347	ng	100
62) 4-Nitroaniline	10.486	138	208926	41.884	ng	100
63) Azobenzene	10.627	77	991989	40.289	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	115824	42.799	ng	100
66) n-Nitrosodiphenylamine	10.586	169	789753	39.772	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	268509	39.285	ng	100
68) Hexachlorobenzene	11.021	284	306919	39.927	ng	100
69) Atrazine	11.110	200	232078	43.145	ng	100
70) Pentachlorophenol	11.210	266	201559	43.204	ng	100
71) Phenanthrene	11.439	178	1238155	39.508	ng	100
72) Anthracene	11.492	178	1211718	39.628	ng	100
73) Carbazole	11.639	167	1122566	39.475	ng	100
74) Di-n-butylphthalate	11.974	149	1345878	40.965	ng	100
75) Fluoranthene	12.627	202	1251202	39.493	ng	100
77) Benzidine	12.745	184	252893	44.967	ng	100
78) Pyrene	12.857	202	1248309	41.241	ng	100
80) Butylbenzylphthalate	13.474	149	383831	42.297	ng	100
81) Benzo(a)anthracene	14.039	228	920698	40.901	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	267769	40.798	ng	100
83) Chrysene	14.080	228	806950	39.098	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	432750	42.504	ng	100
85) Di-n-octyl phthalate	14.651	149	785179	42.399	ng	100
87) Indeno(1,2,3-cd)pyrene	17.021	276	987345	42.039	ng	100
88) Benzo(b)fluoranthene	15.098	252	873168	39.263	ng	100
89) Benzo(k)fluoranthene	15.127	252	778470	40.589	ng	100
90) Benzo(a)pyrene	15.468	252	748507	40.905	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	818044	41.752	ng	100
92) Benzo(g,h,i)perylene	17.480	276	823727	42.090	ng	100

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

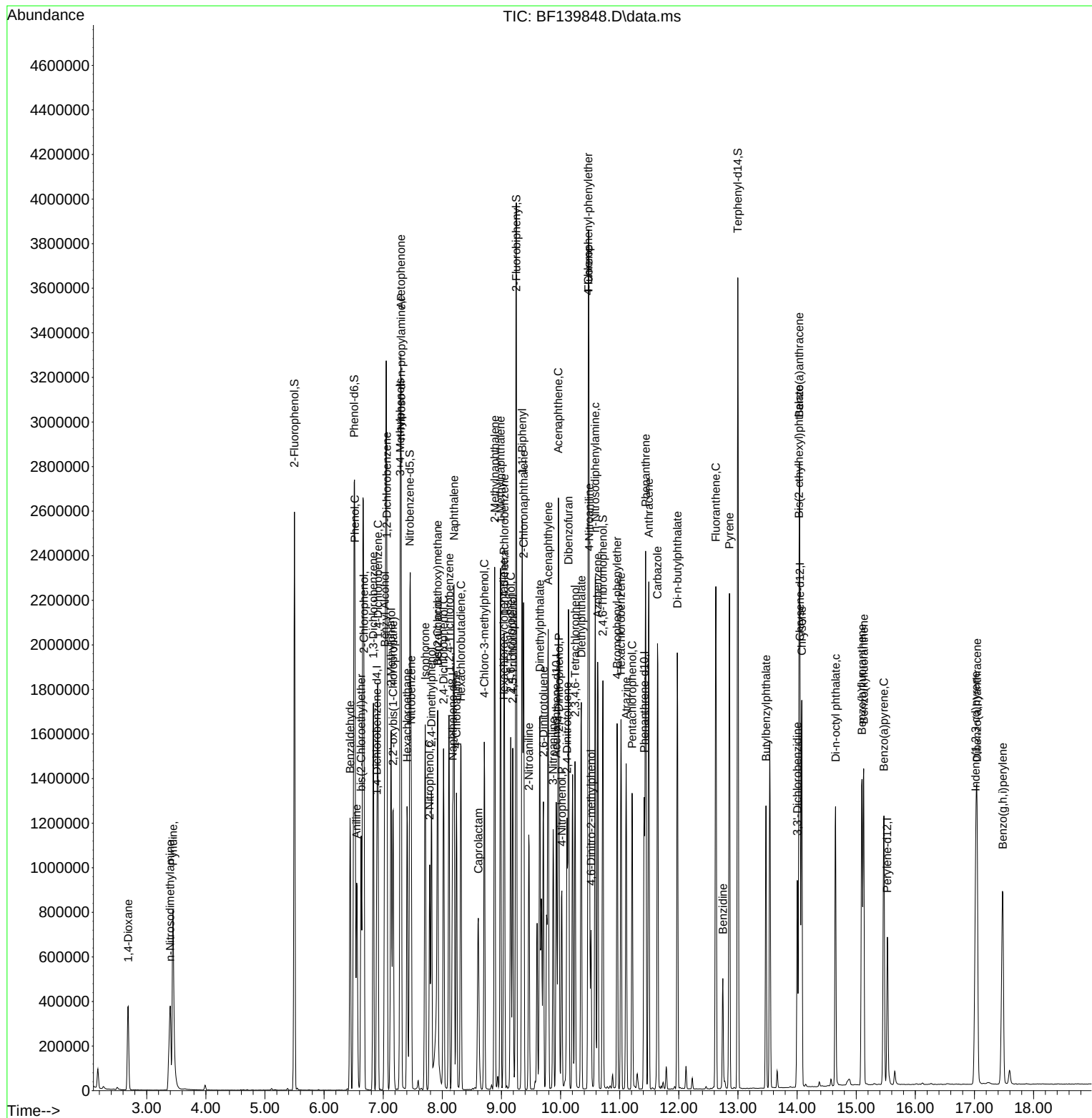
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139848.D
 Acq On : 18 Oct 2024 12:20
 Operator : RC/JU
 Sample : SSTDICC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

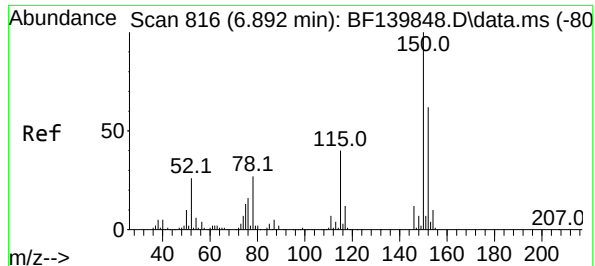
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

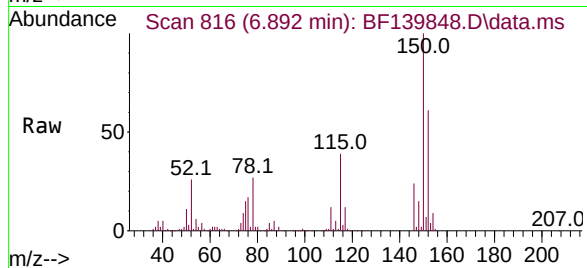
Quant Time: Oct 18 14:18:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

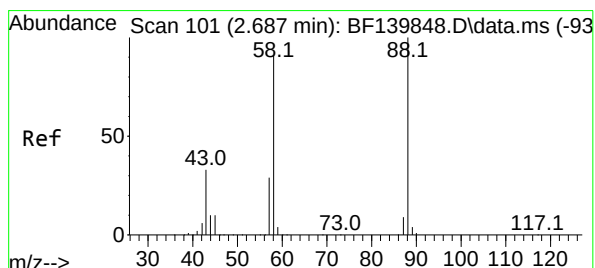
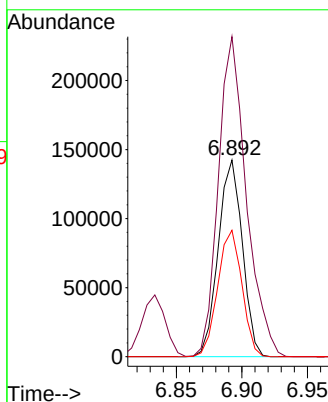
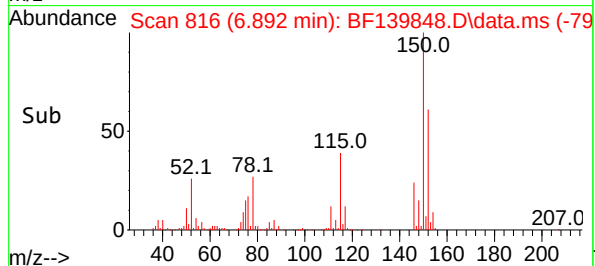
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 181899
Ion Ratio Lower Upper
152 100
150 162.7 130.2 195.2
115 64.3 51.4 77.2

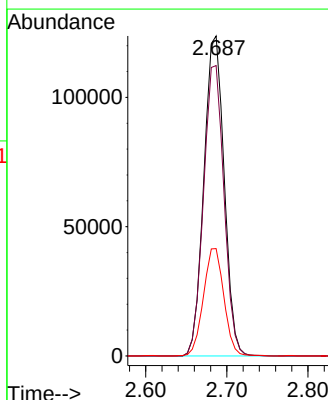
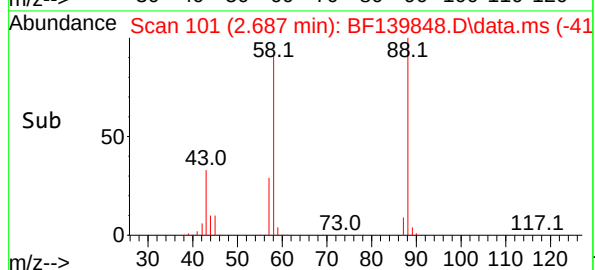
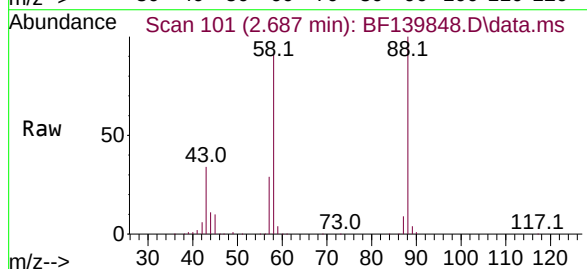
Manual Integrations
APPROVED

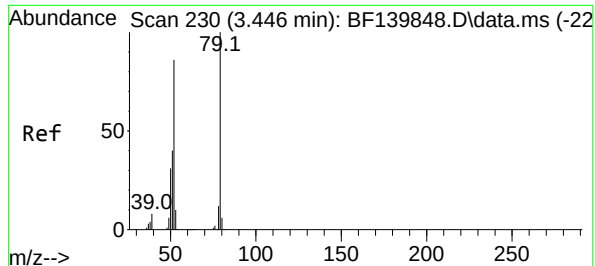
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 39.679 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 88 Resp: 214958
Ion Ratio Lower Upper
88 100
58 91.6 73.3 109.9
43 33.9 27.1 40.7





#3

Pyridine

Concen: 40.746 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 54714

Ion Ratio Lower Upper

79 100

52 85.6 68.5 102.7

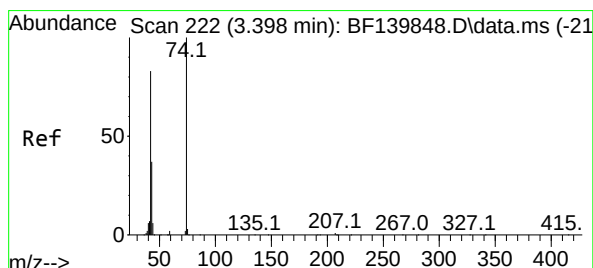
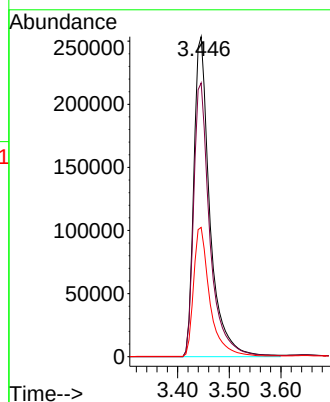
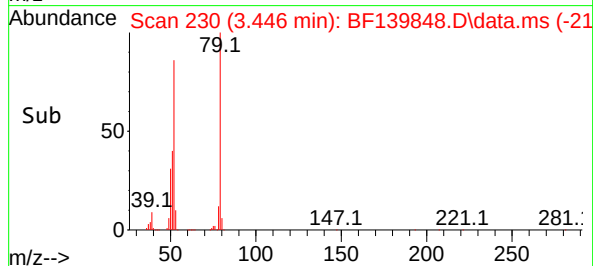
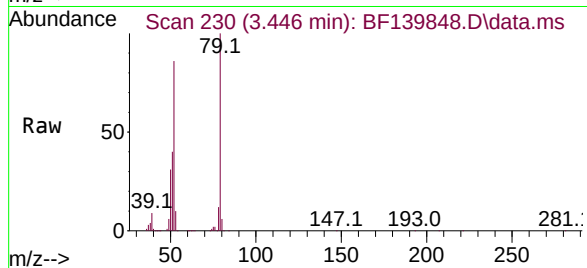
51 40.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 40.631 ng

RT: 3.398 min Scan# 222

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

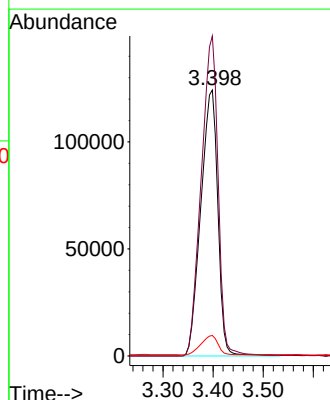
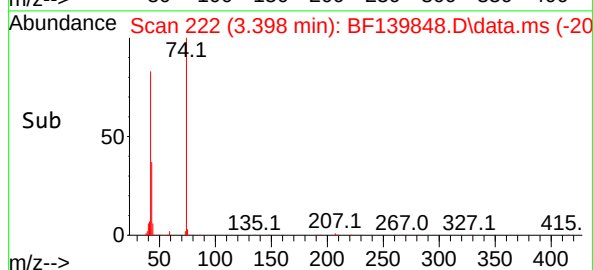
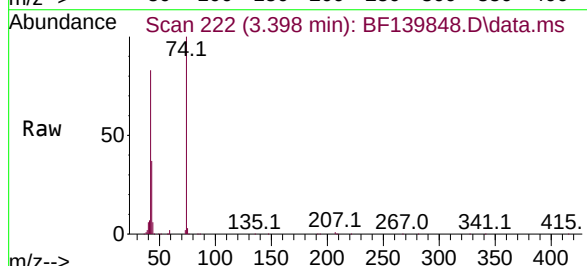
Tgt Ion: 42 Resp: 293138

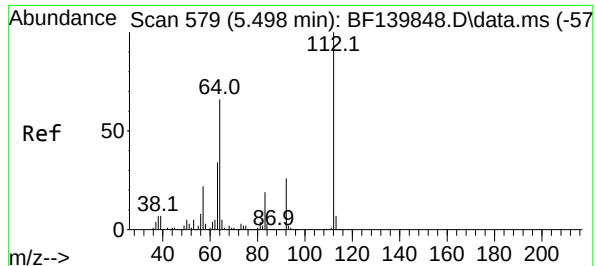
Ion Ratio Lower Upper

42 100

74 120.3 96.2 144.4

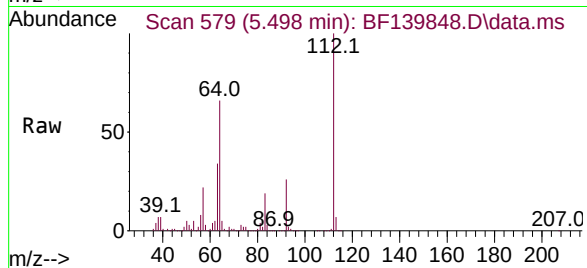
44 7.7 6.2 9.2





#5
2-Fluorophenol
Concen: 80.002 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

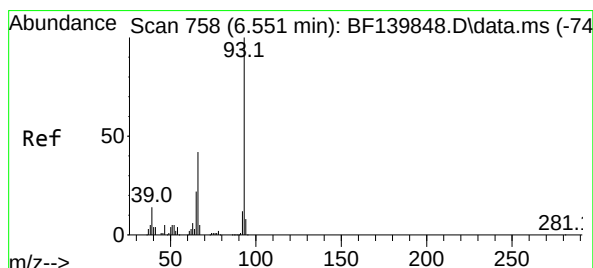
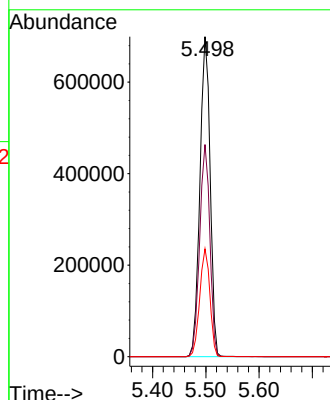
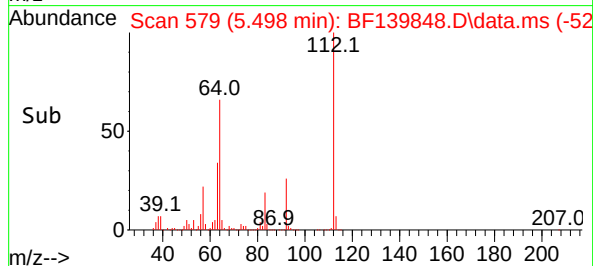
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 112 Resp: 929569
Ion Ratio Lower Upper
112 100
64 66.3 53.0 79.6
63 33.7 27.0 40.4

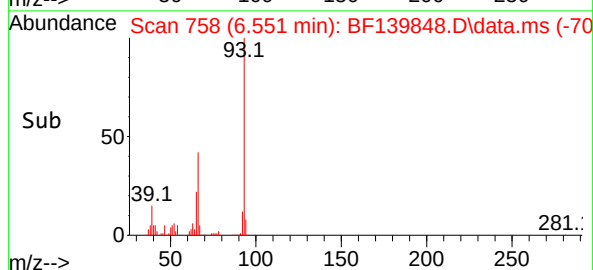
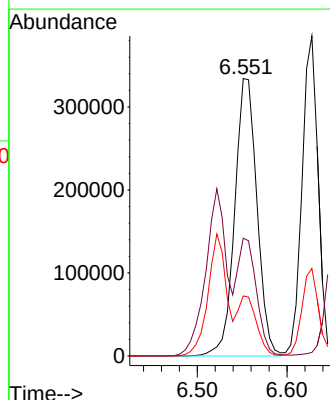
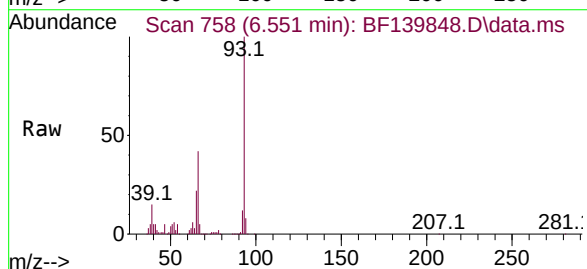
Manual Integrations
APPROVED

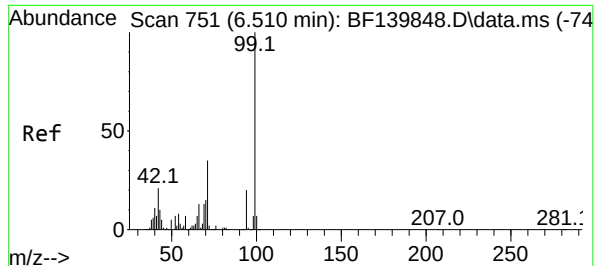
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 41.026 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

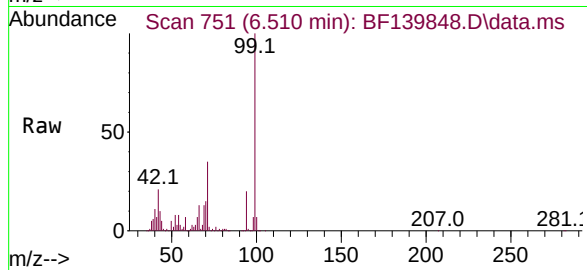
Tgt Ion: 93 Resp: 575402
Ion Ratio Lower Upper
93 100
66 42.5 34.0 51.0
65 21.7 17.4 26.0





#7
Phenol-d6
Concen: 79.607 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

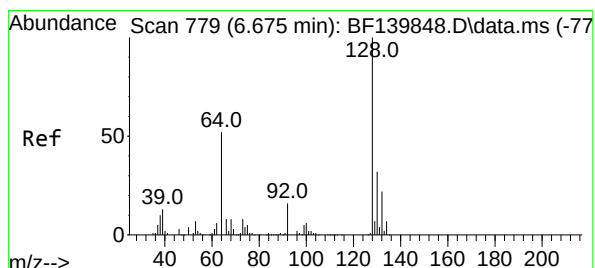
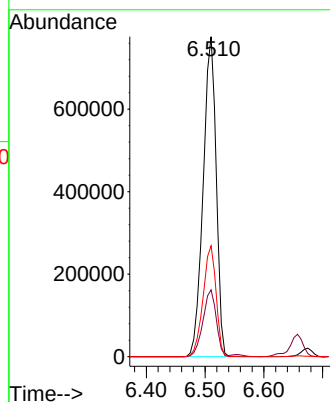
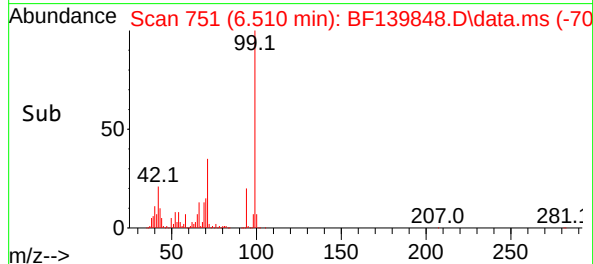
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 99 Resp: 1197998
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 34.6 27.7 41.5

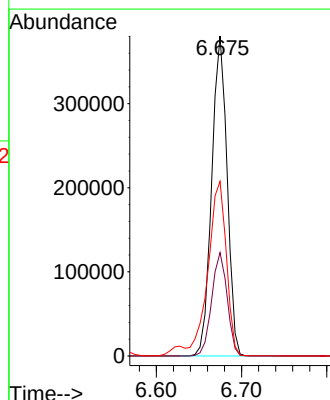
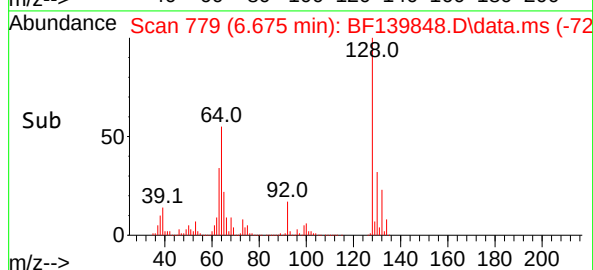
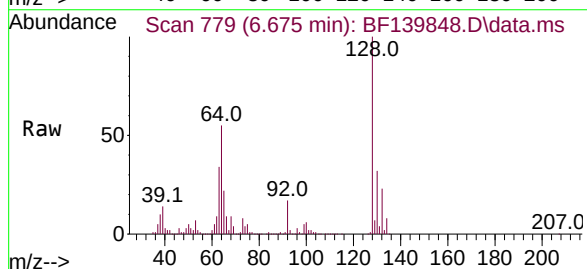
Manual Integrations
APPROVED

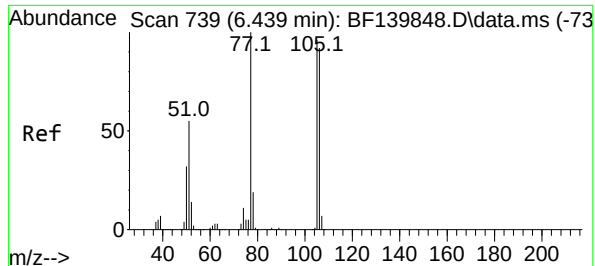
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 40.124 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:128 Resp: 476614
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 54.6 34.6 74.6





#9

Benzaldehyde

Concen: 40.393 ng

RT: 6.439 min Scan# 739

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 341958

Ion Ratio Lower Upper

77 100

105 95.5 75.5 115.5

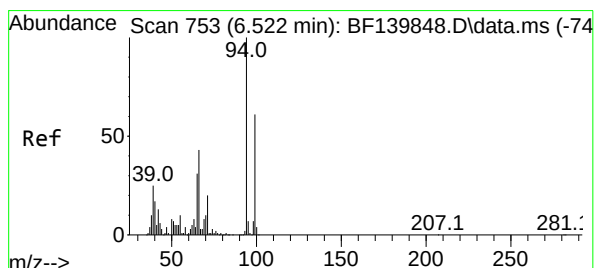
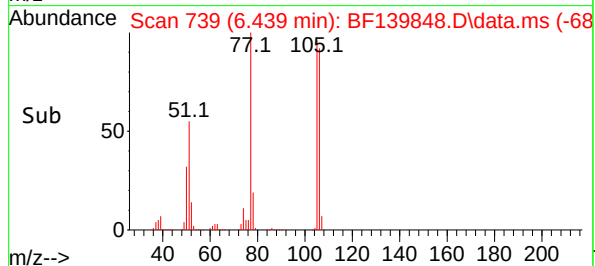
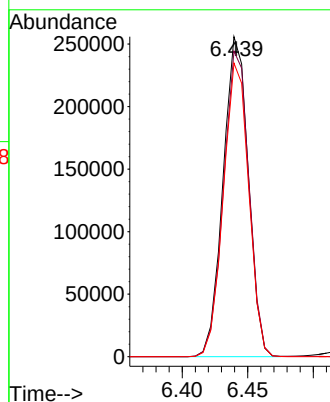
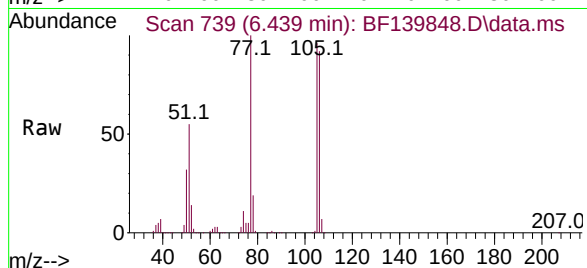
106 91.7 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 39.429 ng m

RT: 6.522 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

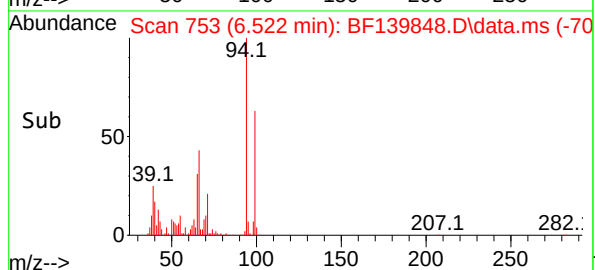
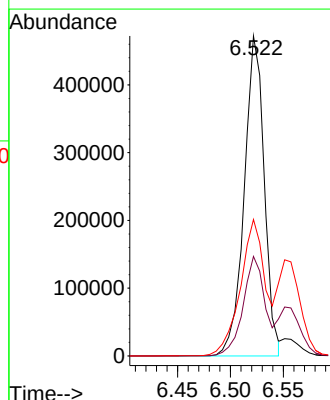
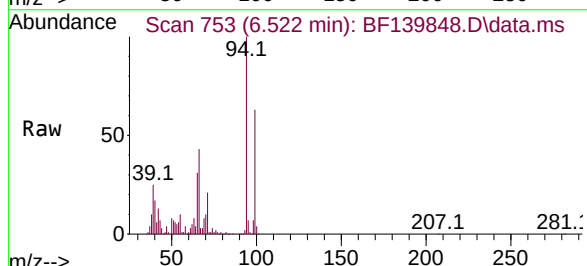
Tgt Ion: 94 Resp: 622748

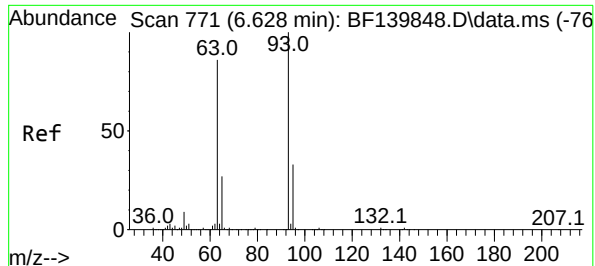
Ion Ratio Lower Upper

94 100

65 31.1 11.1 51.1

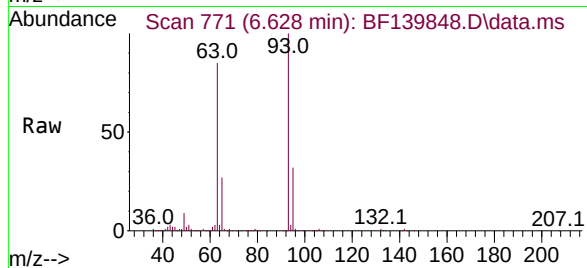
66 42.7 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 39.258 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

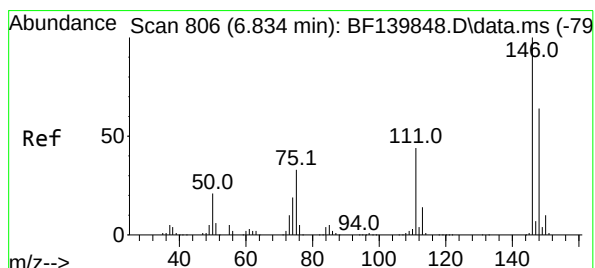
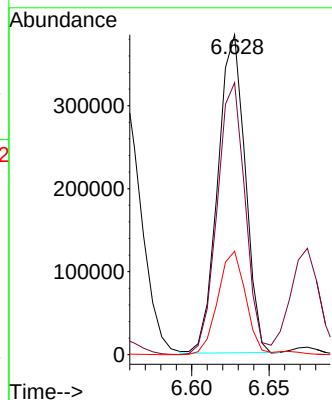
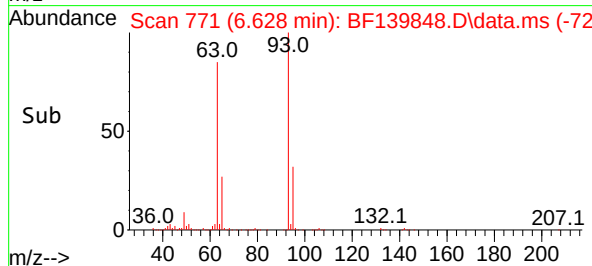
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 93 Resp: 47076
Ion Ratio Lower Upper
93 100
63 85.0 65.0 105.0
95 32.4 12.4 52.4

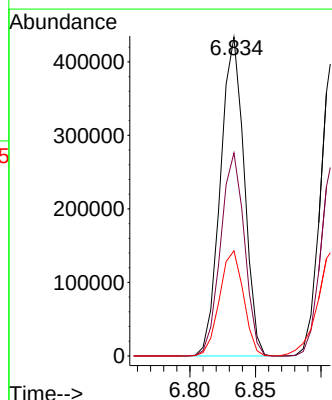
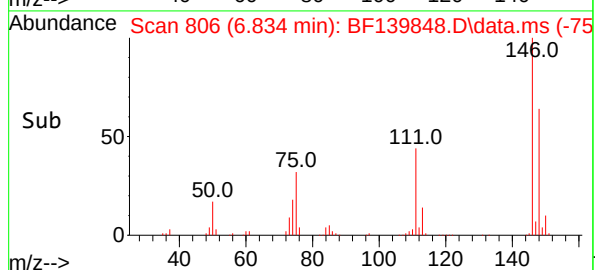
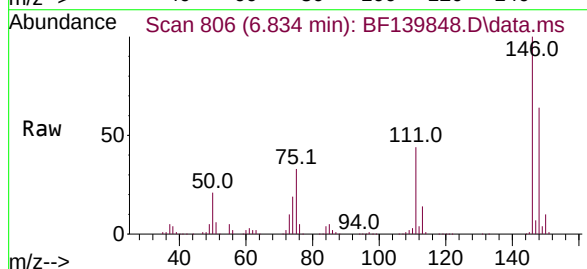
Manual Integrations
APPROVED

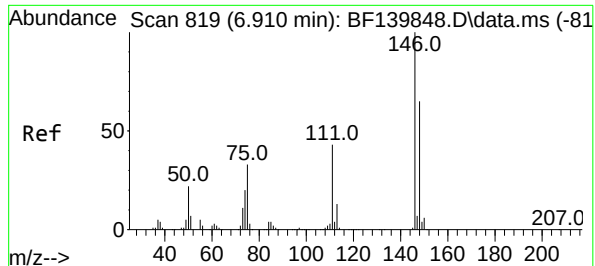
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#12
1,3-Dichlorobenzene
Concen: 39.988 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:146 Resp: 545252
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 33.0 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.718 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 541068

Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.8

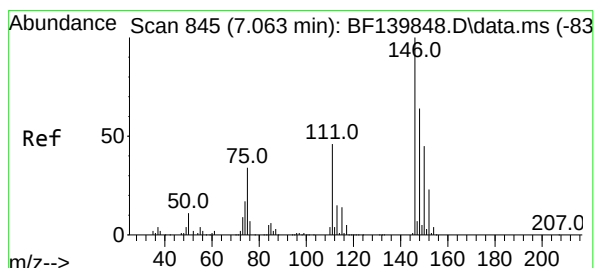
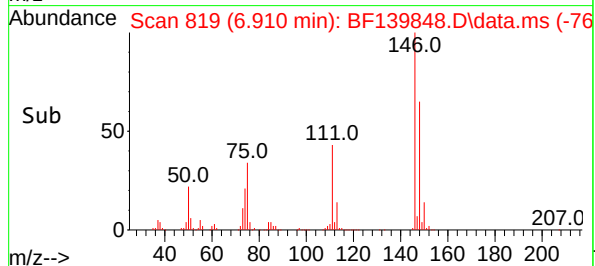
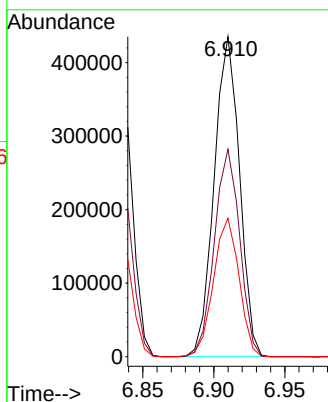
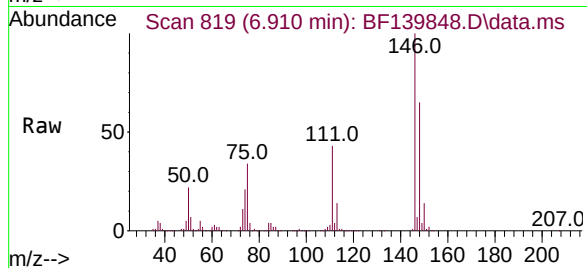
111 43.2 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 39.473 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

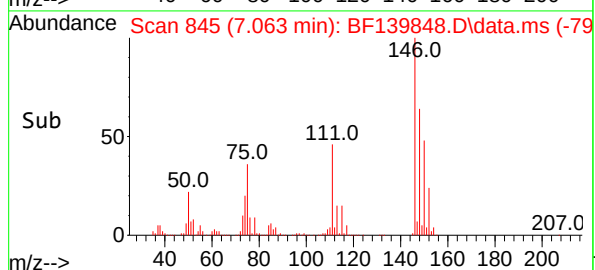
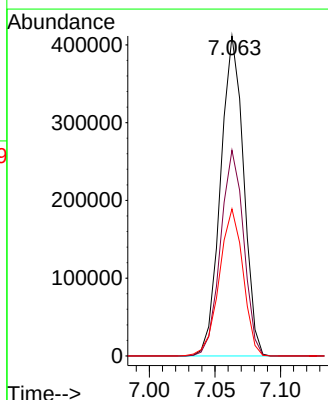
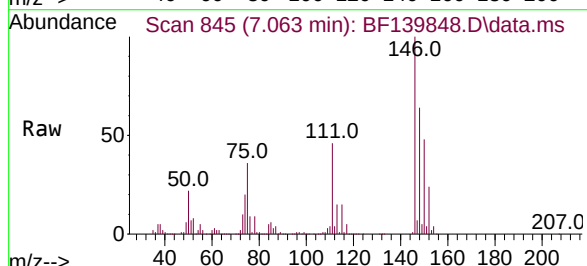
Tgt Ion:146 Resp: 501857

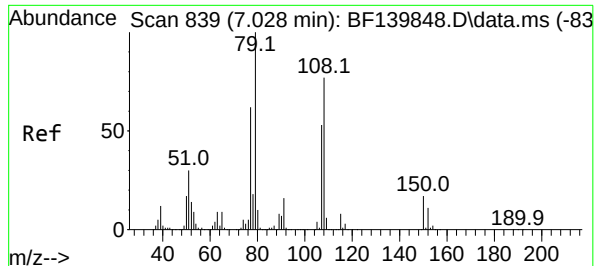
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 45.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 39.991 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 44146

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

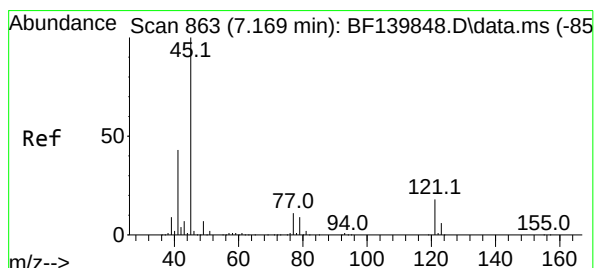
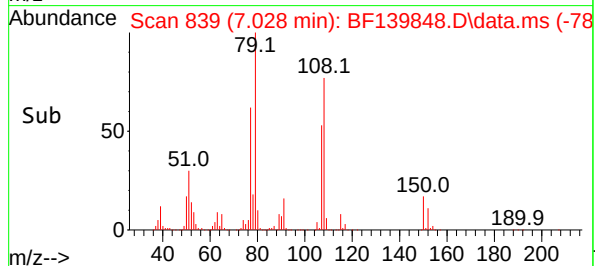
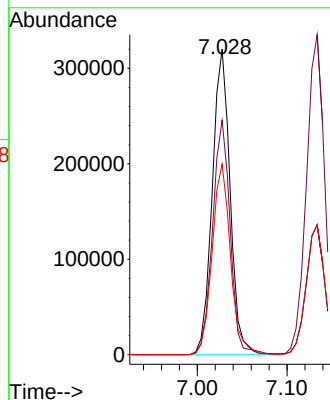
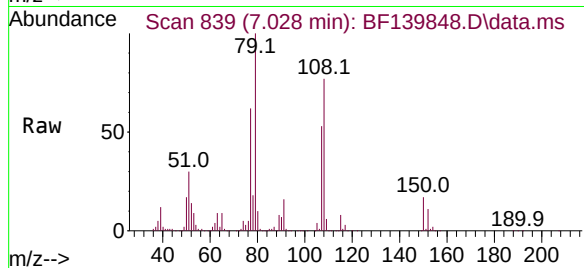
77 62.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.113 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

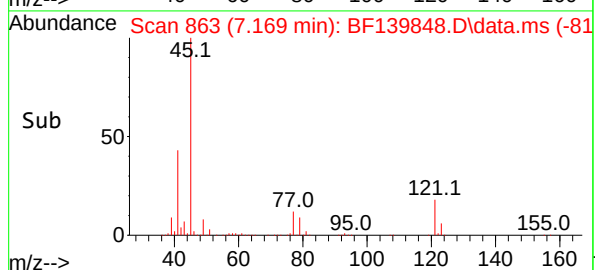
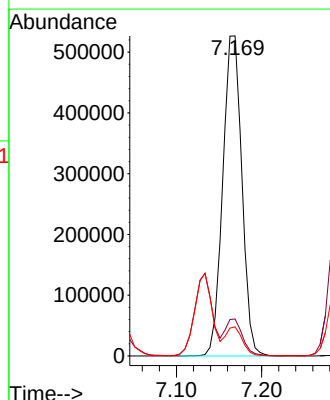
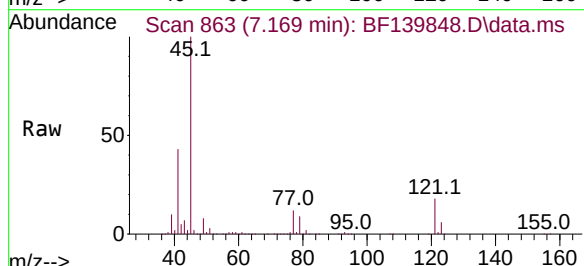
Tgt Ion: 45 Resp: 820216

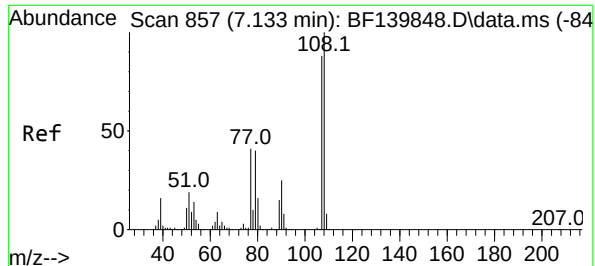
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.5

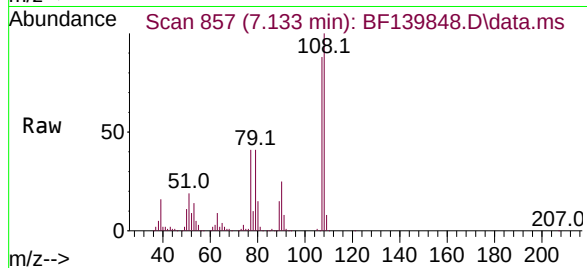
79 9.1 0.0 29.1





#17
2-Methylphenol
Concen: 39.996 ng
RT: 7.133 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

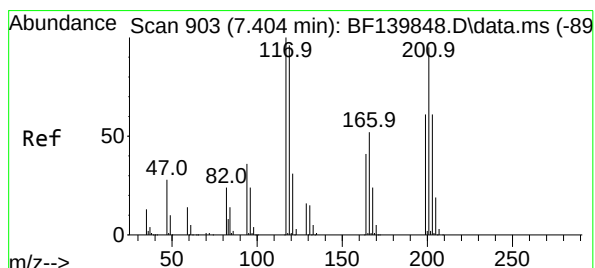
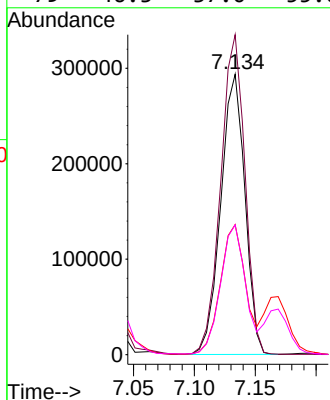
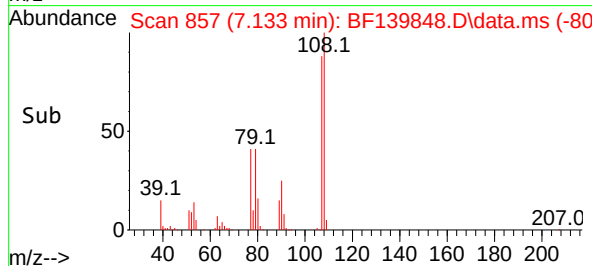
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 405109
Ion Ratio Lower Upper
107 100
108 114.1 91.3 136.9
77 46.4 37.1 55.7
79 46.3 37.0 55.6

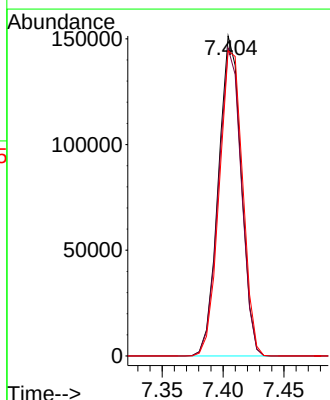
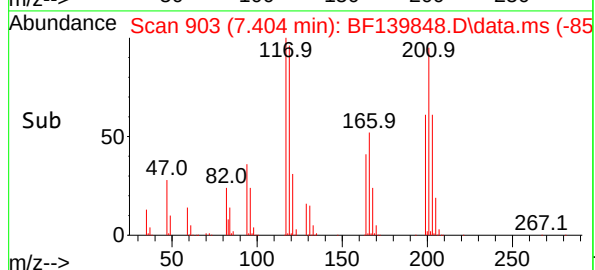
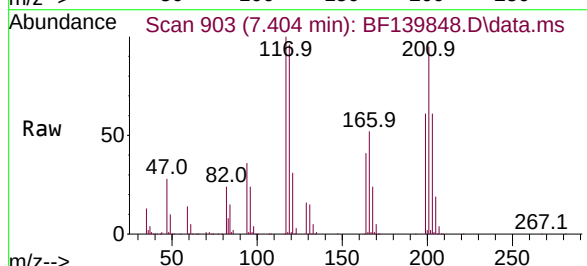
Manual Integrations
APPROVED

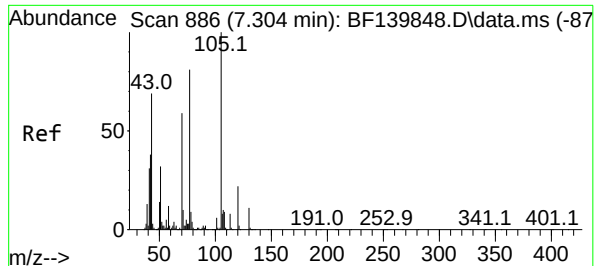
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 40.478 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:117 Resp: 196637
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
201 95.3 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.835 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 354454

Ion Ratio Lower Upper

70 100

42 64.4 51.5 77.3

101 9.4 7.5 11.3

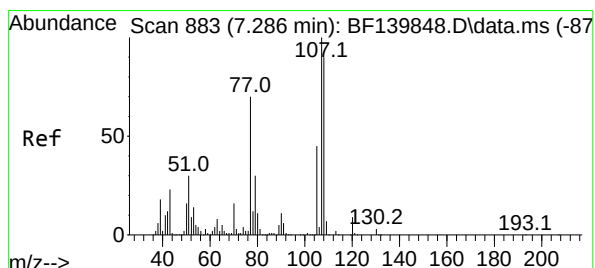
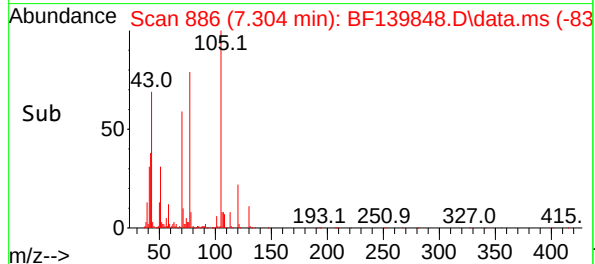
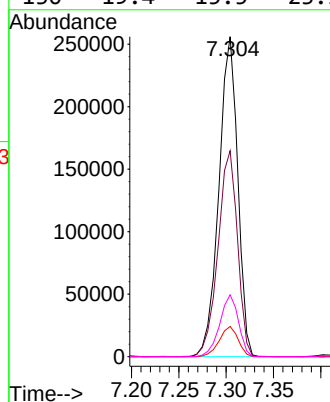
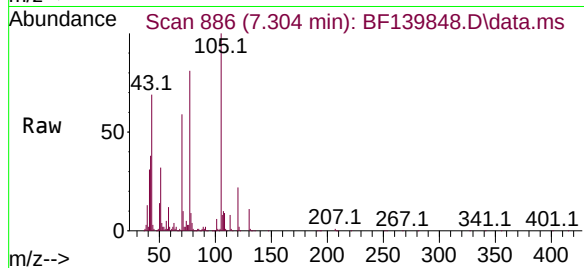
130 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#20

3+4-Methylphenols

Concen: 39.818 ng

RT: 7.286 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 515857

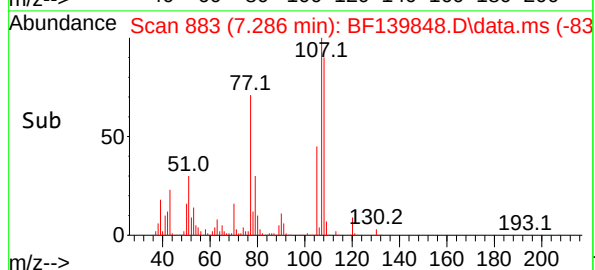
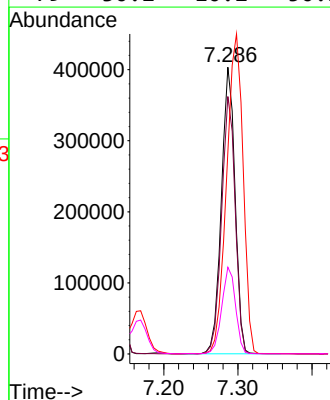
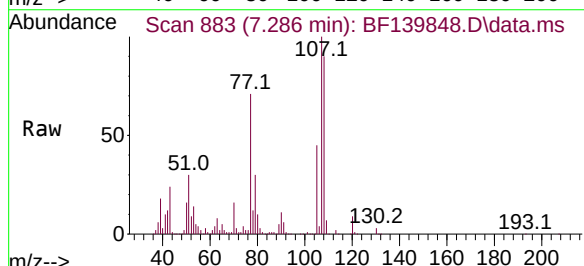
Ion Ratio Lower Upper

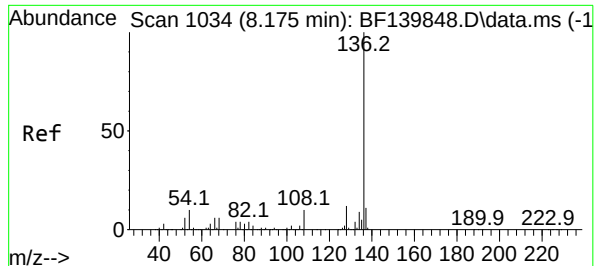
107 100

108 89.8 69.8 109.8

77 70.5 50.5 90.5

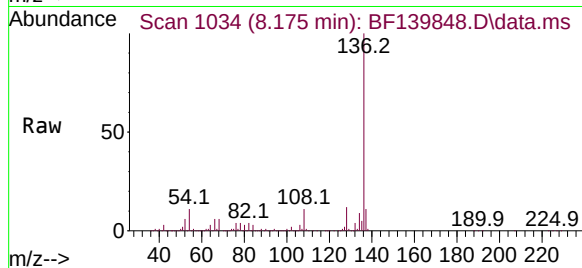
79 30.2 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

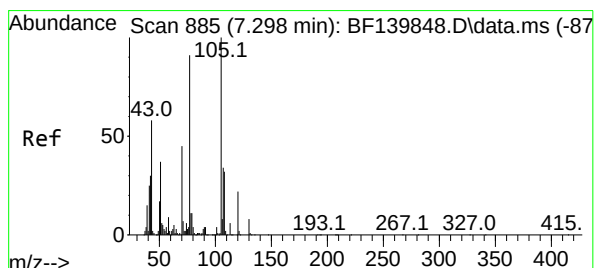
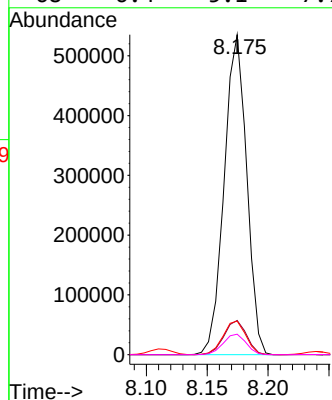
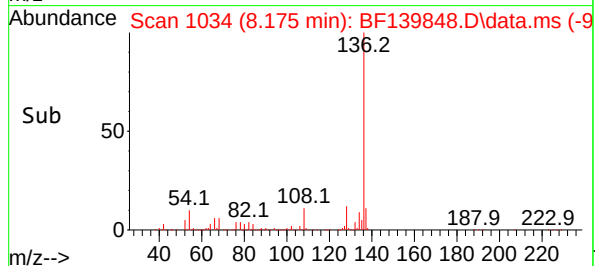
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 688880
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.5 8.4 12.6
68 6.4 5.1 7.7

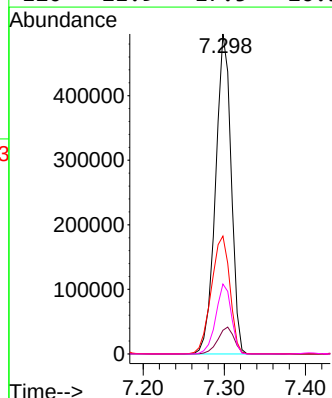
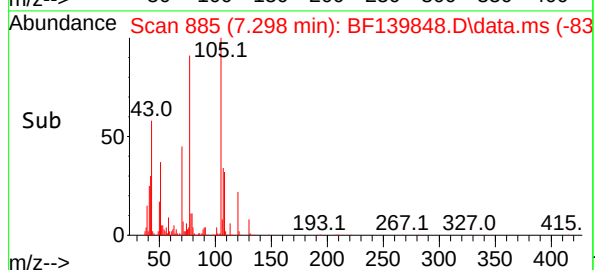
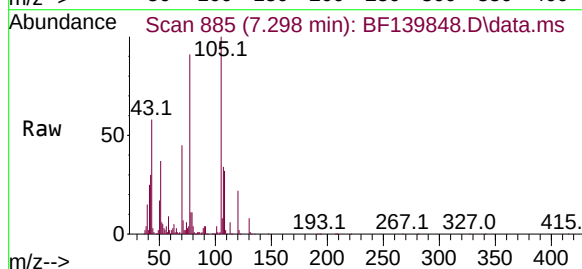
Manual Integrations
APPROVED

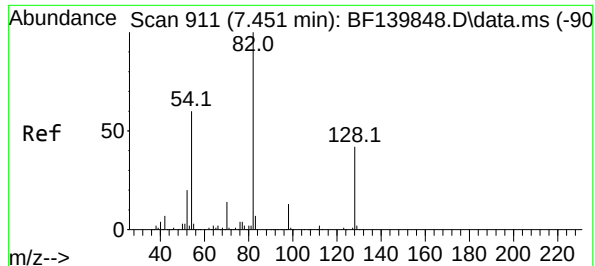
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#22
Acetophenone
Concen: 39.312 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:105 Resp: 663304
Ion Ratio Lower Upper
105 100
71 7.4 5.9 8.9
51 36.8 29.4 44.2
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.209 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1021808

Ion Ratio Lower Upper

82 100

128 41.7 33.4 50.0

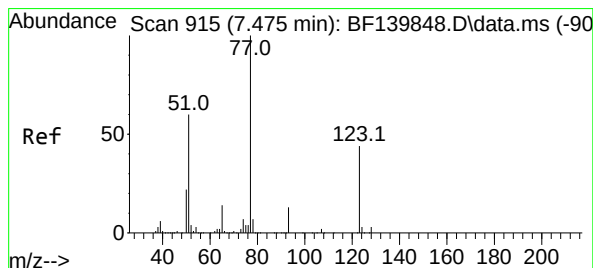
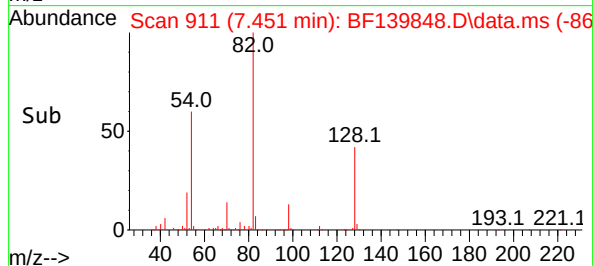
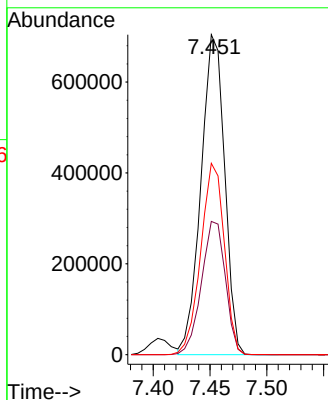
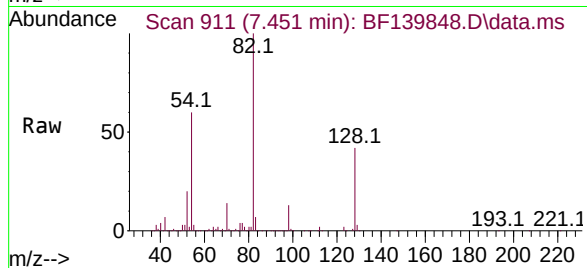
54 59.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 40.735 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

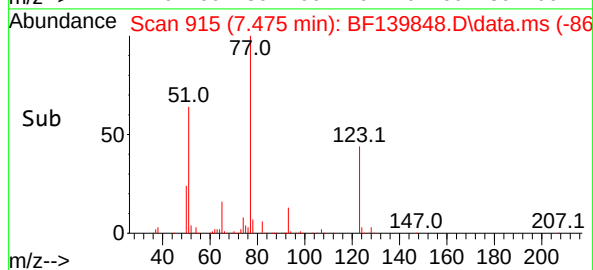
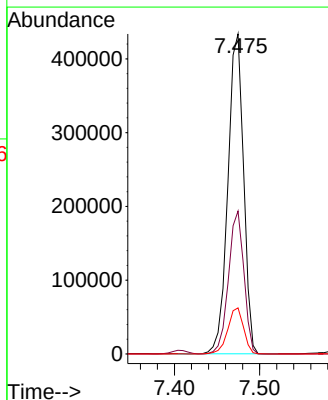
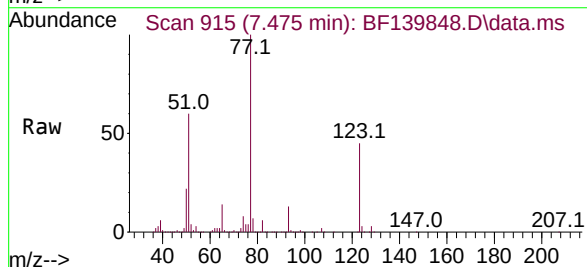
Tgt Ion: 77 Resp: 555115

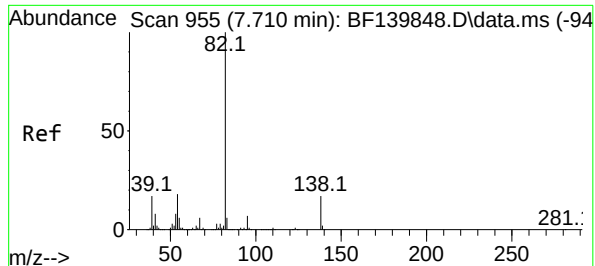
Ion Ratio Lower Upper

77 100

123 44.6 35.7 53.5

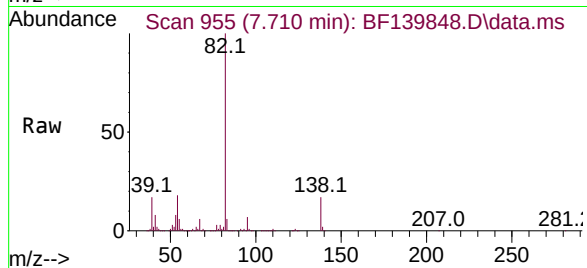
65 14.4 11.5 17.3





#25
Isophorone
Concen: 39.651 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

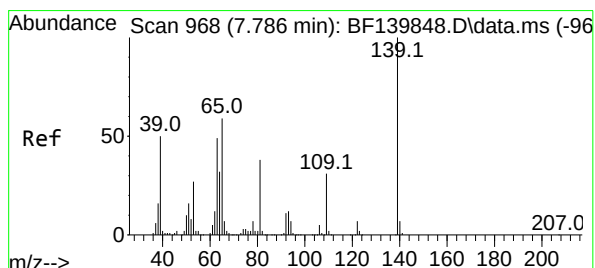
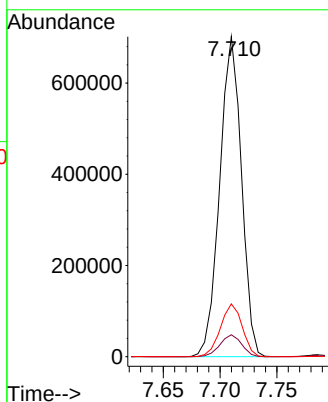
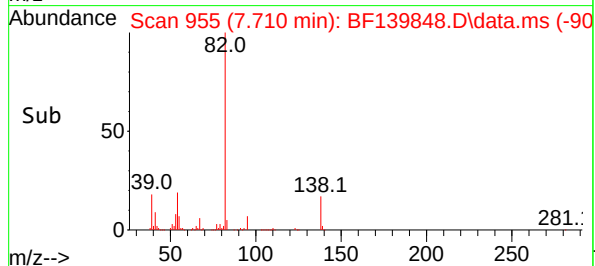
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



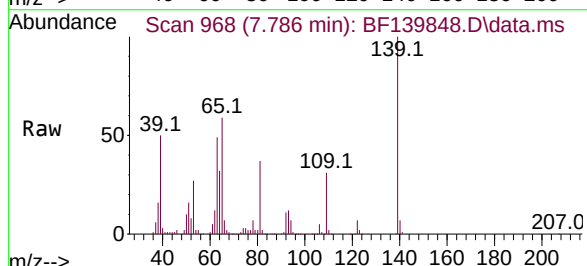
Tgt Ion: 82 Resp: 935400
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 16.5 13.2 19.8

Manual Integrations
APPROVED

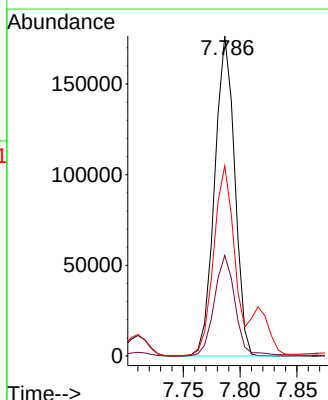
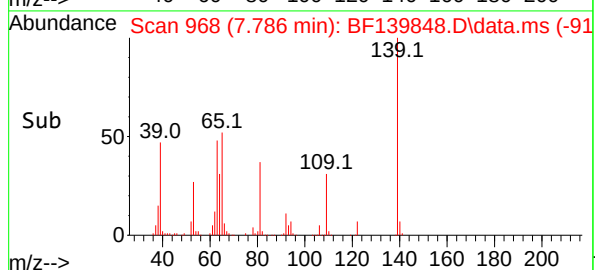
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

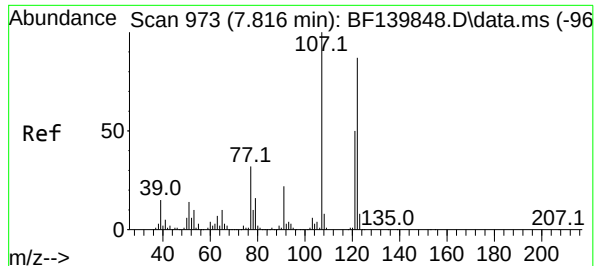


#26
2-Nitrophenol
Concen: 42.193 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



Tgt Ion:139 Resp: 216916
Ion Ratio Lower Upper
139 100
109 31.4 25.1 37.7
65 59.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 39.894 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139848.D

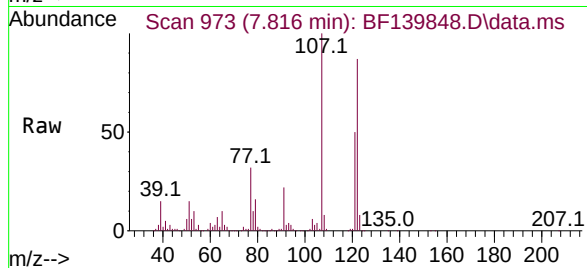
Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:122 Resp: 34198

Ion Ratio Lower Upper

122 100

107 114.9 91.9 137.9

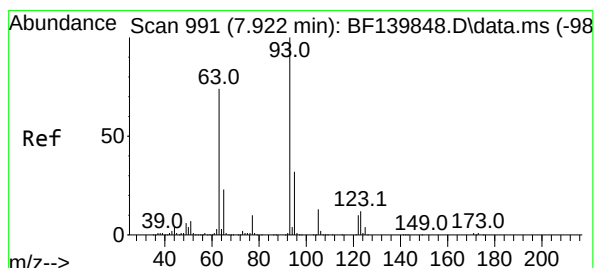
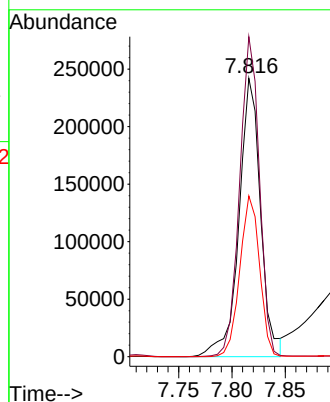
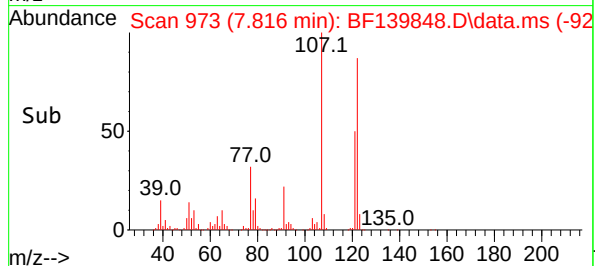
121 57.8 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.683 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

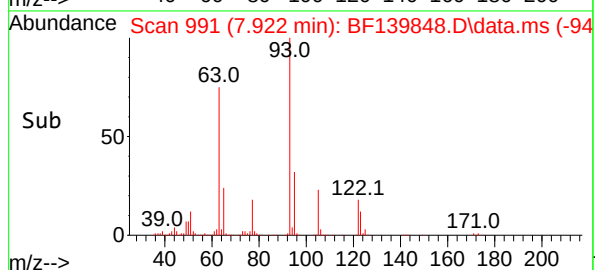
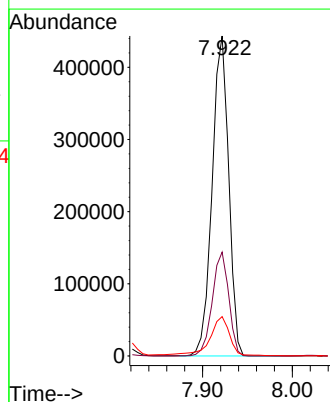
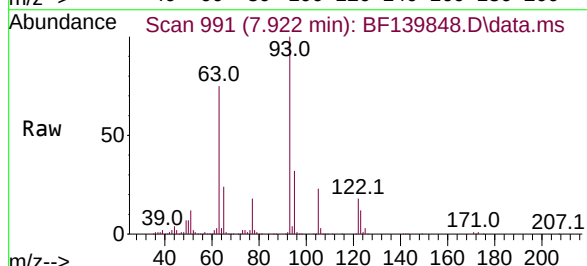
Tgt Ion: 93 Resp: 567188

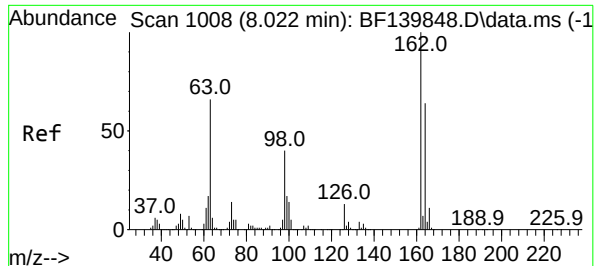
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.976 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

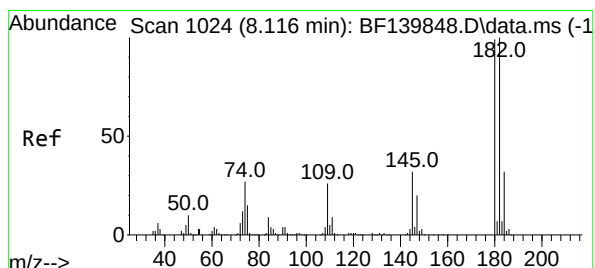
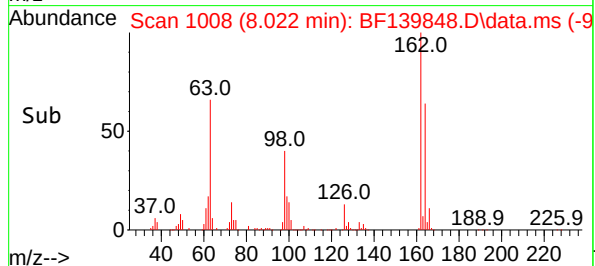
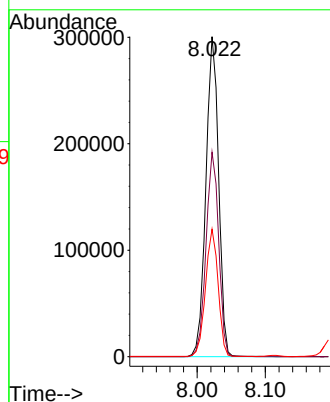
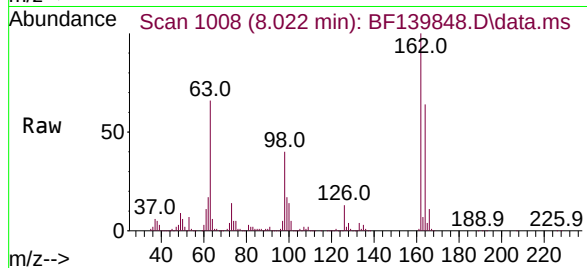
SSTDICCC040

Tgt Ion:162 Resp: 390330
Ion Ratio Lower Upper
162 100
164 63.9 43.9 83.9
98 39.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.195 ng

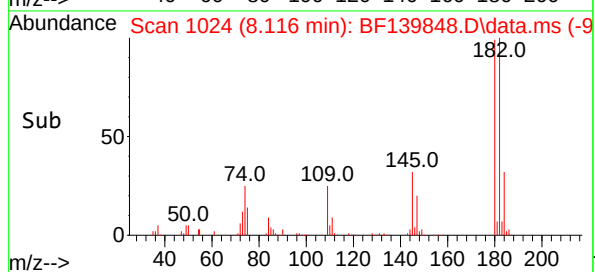
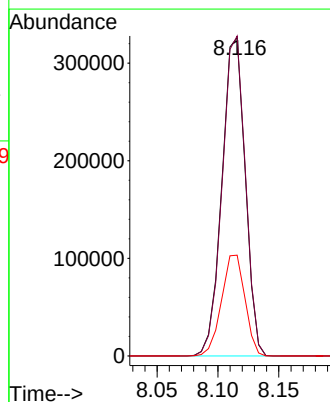
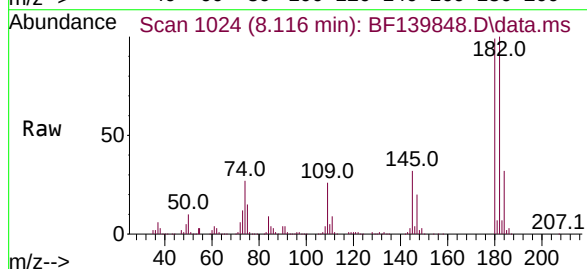
RT: 8.116 min Scan# 1024

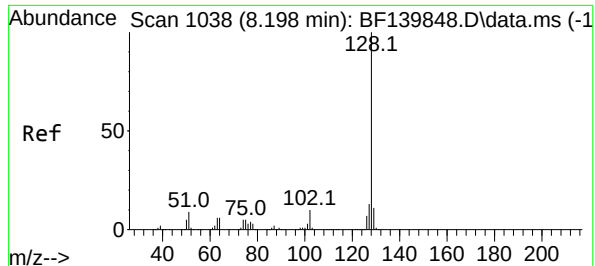
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:180 Resp: 434274
Ion Ratio Lower Upper
180 100
182 100.6 80.5 120.7
145 31.7 25.4 38.0





#31

Naphthalene

Concen: 39.681 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:128 Resp: 1409790

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

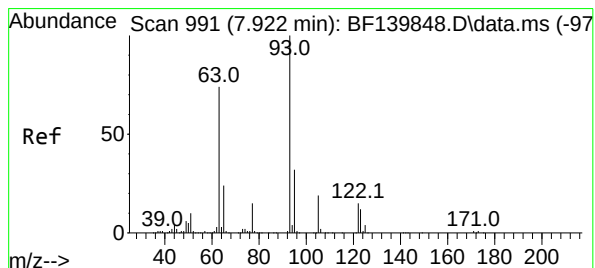
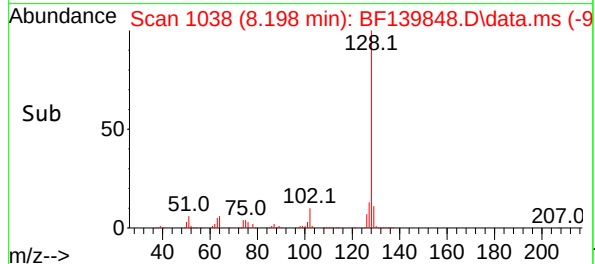
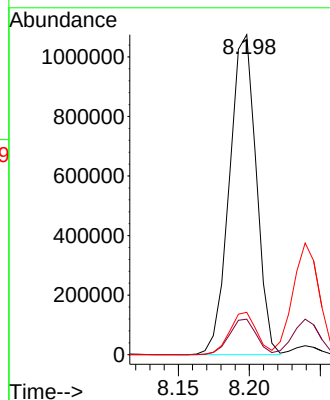
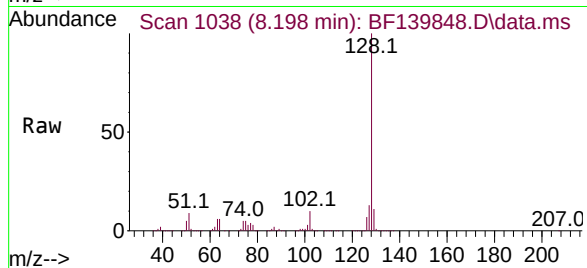
127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 40.451 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

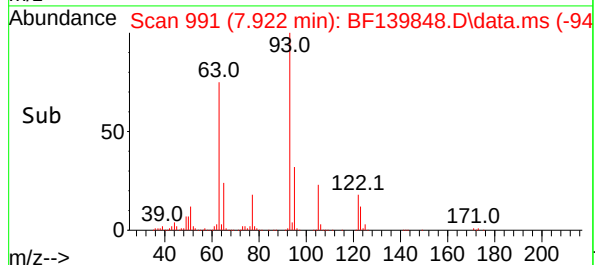
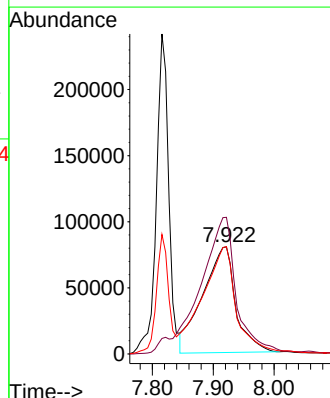
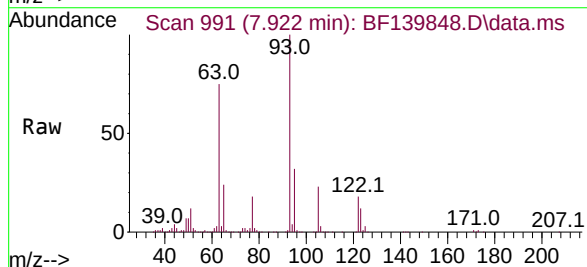
Tgt Ion:122 Resp: 302443

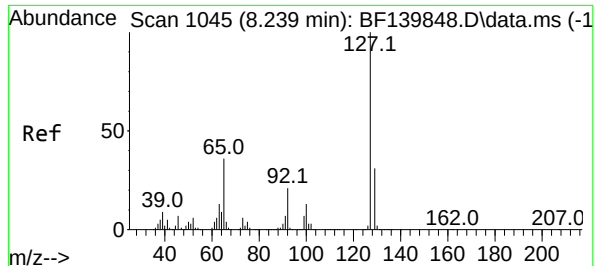
Ion Ratio Lower Upper

122 100

105 127.6 107.6 147.6

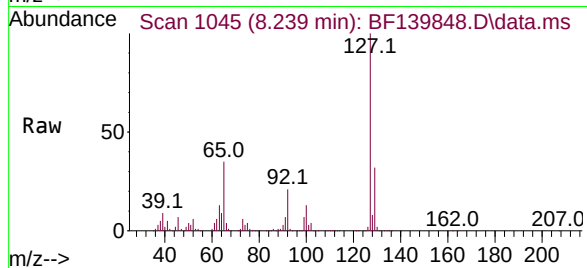
77 100.2 80.2 120.2





#33
4-Chloroaniline
Concen: 39.950 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

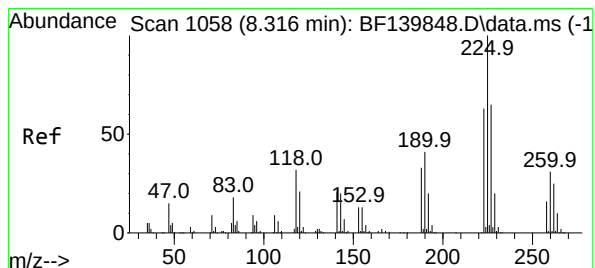
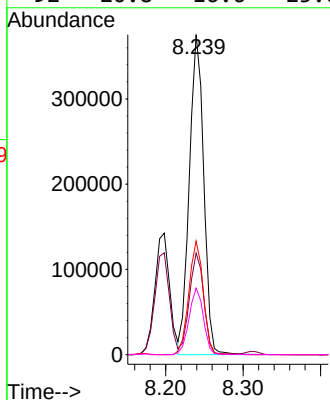
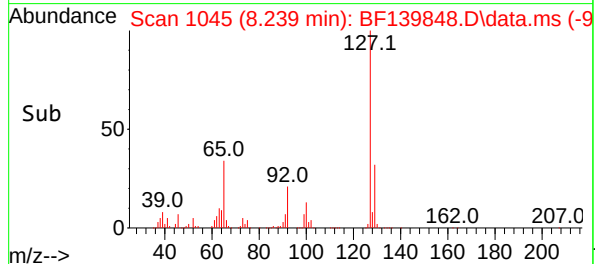
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 483982
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 35.5 28.4 42.6
92 20.8 16.6 25.0

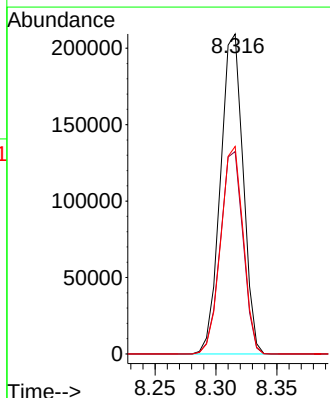
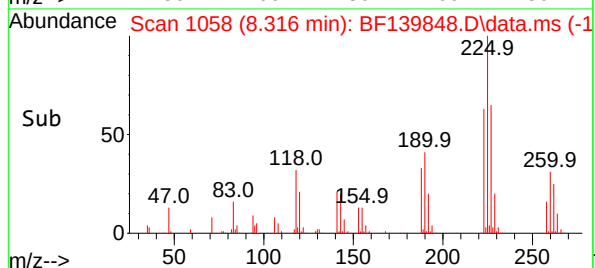
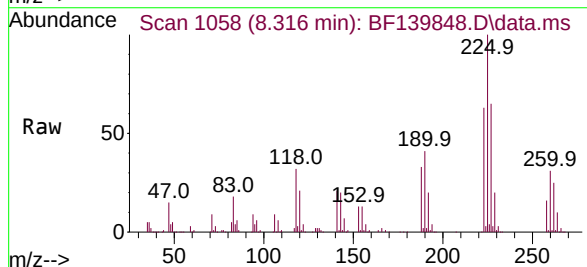
Manual Integrations
APPROVED

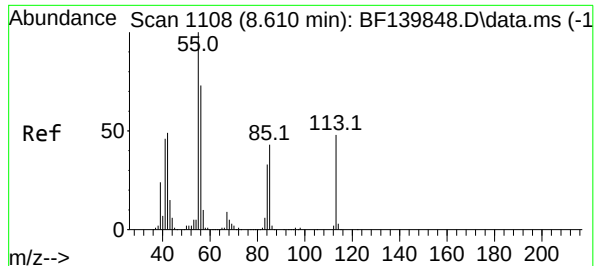
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 39.967 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

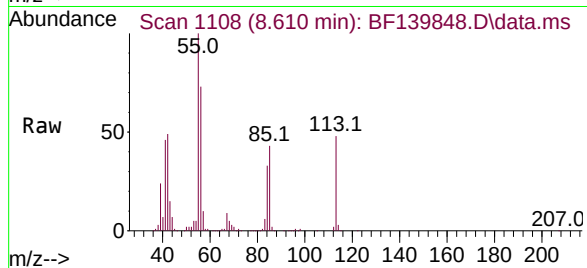
Tgt Ion:225 Resp: 271315
Ion Ratio Lower Upper
225 100
223 63.3 50.6 76.0
227 64.8 51.8 77.8





#35
Caprolactam
Concen: 40.772 ng
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

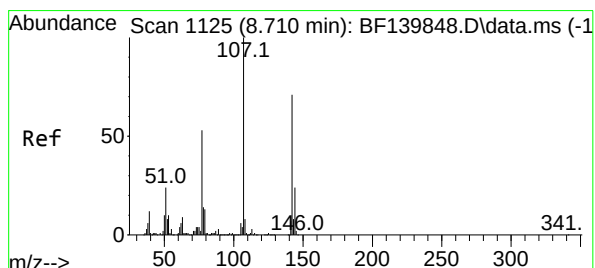
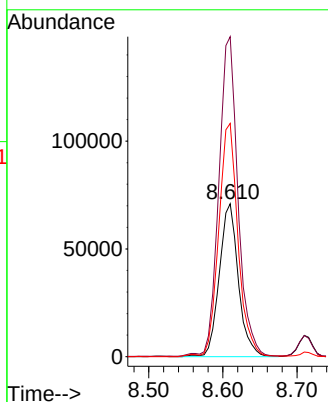
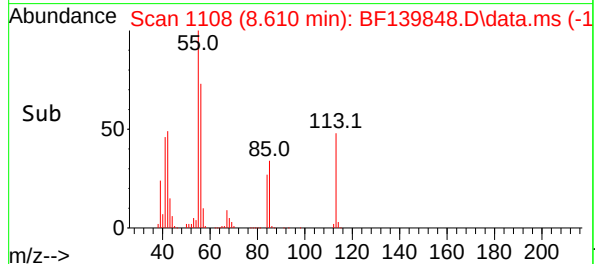
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:113 Resp: 126589
Ion Ratio Lower Upper
113 100
55 209.2 189.2 229.2
56 152.5 132.5 172.5

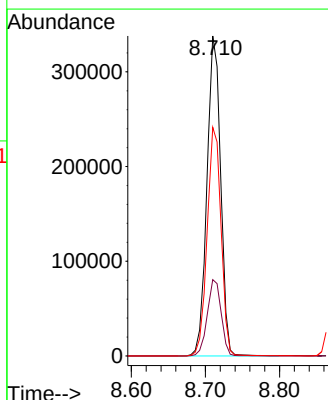
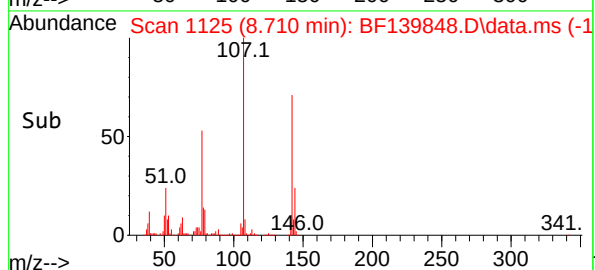
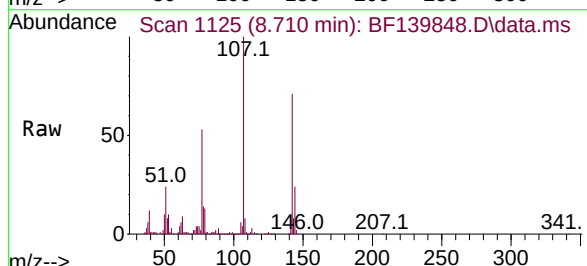
Manual Integrations
APPROVED

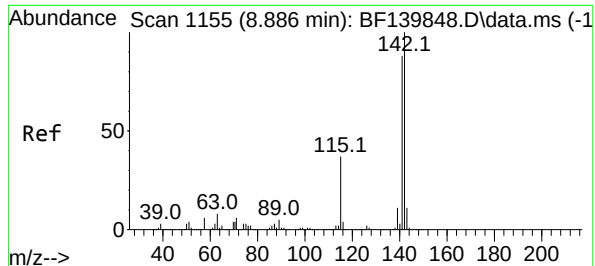
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#36
4-Chloro-3-methylphenol
Concen: 40.116 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 433727
Ion Ratio Lower Upper
107 100
144 23.9 19.1 28.7
142 71.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 39.345 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 85611

Ion Ratio Lower Upper

142 100

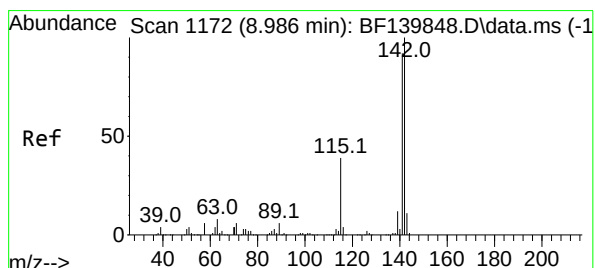
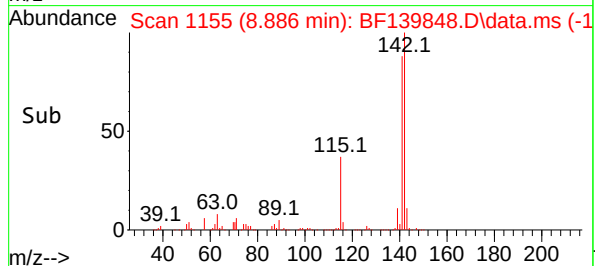
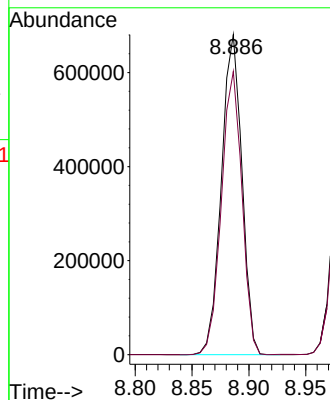
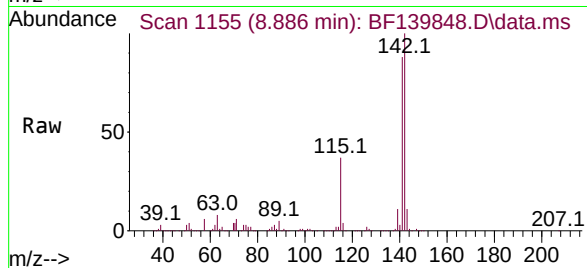
141 88.5 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 39.471 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139848.D

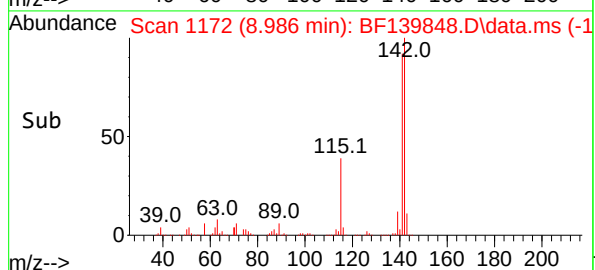
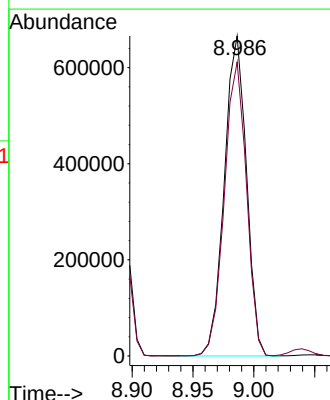
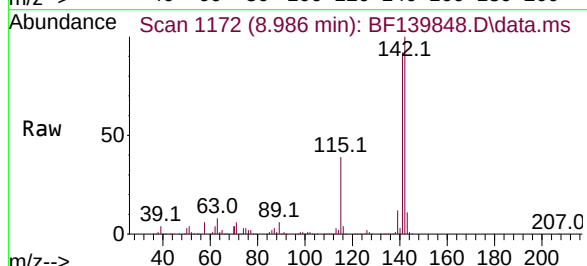
Acq: 18 Oct 2024 12:20

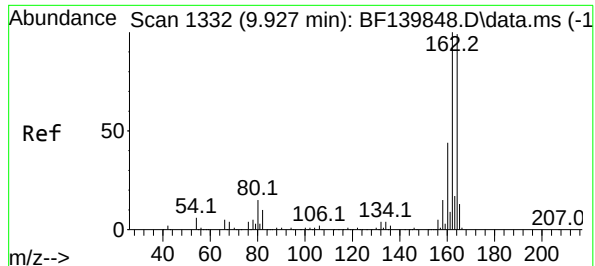
Tgt Ion:142 Resp: 842638

Ion Ratio Lower Upper

142 100

141 91.9 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139848.D

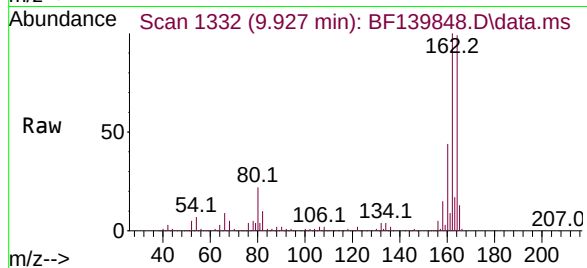
Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 37975

Ion Ratio Lower Upper

164 100

162 101.2 81.0 121.4

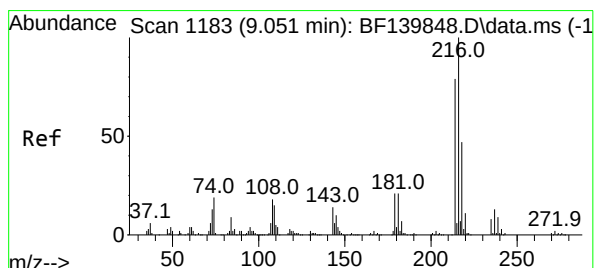
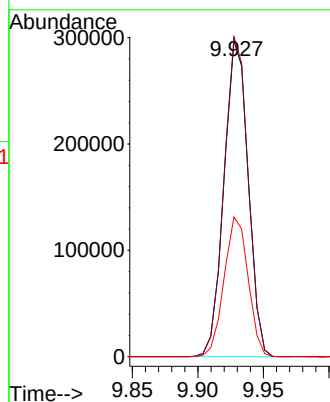
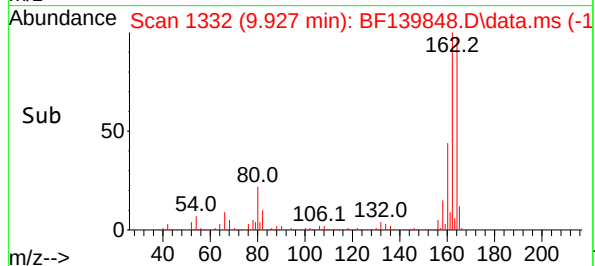
160 44.2 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.776 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:216 Resp: 407511

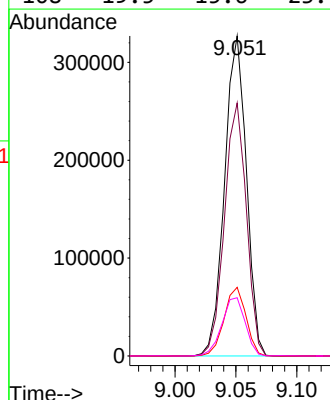
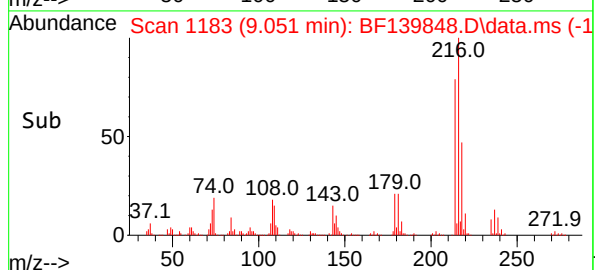
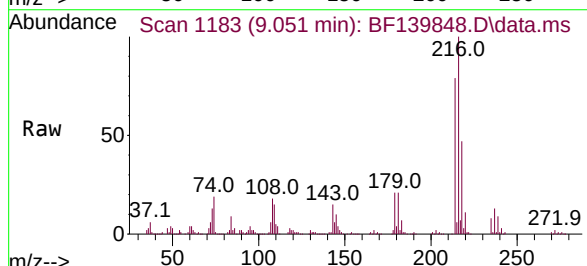
Ion Ratio Lower Upper

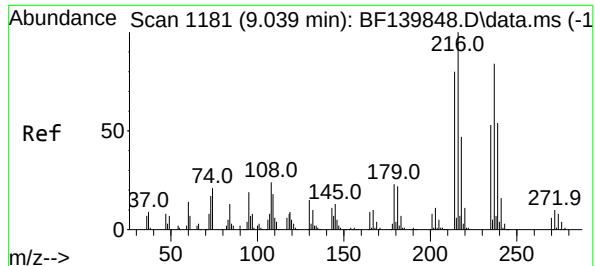
216 100

214 79.2 63.4 95.0

179 21.5 17.2 25.8

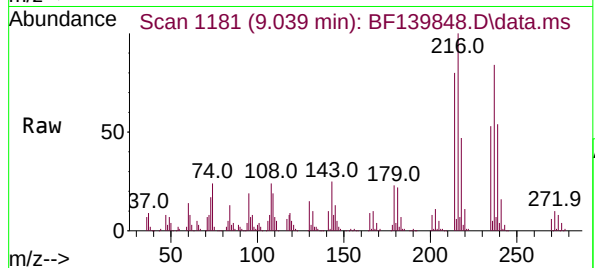
108 19.5 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 42.229 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

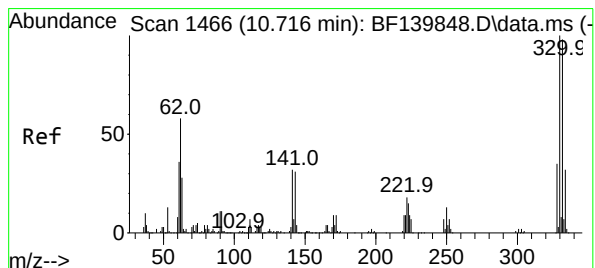
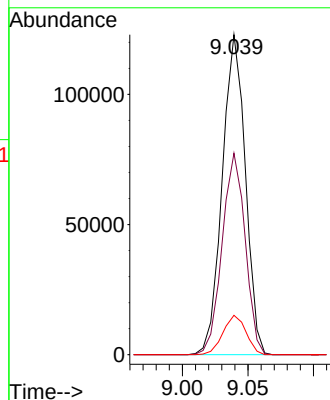
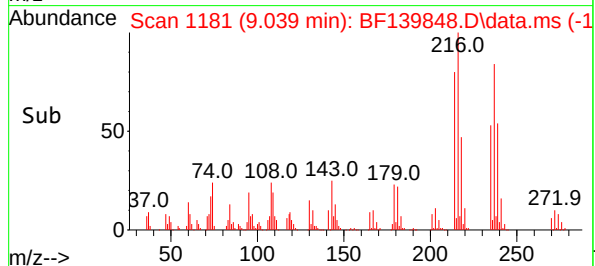
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:237 Resp: 150540
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.3 0.0 32.3

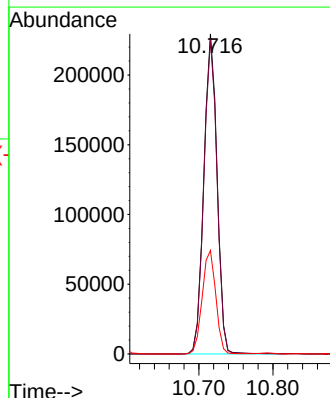
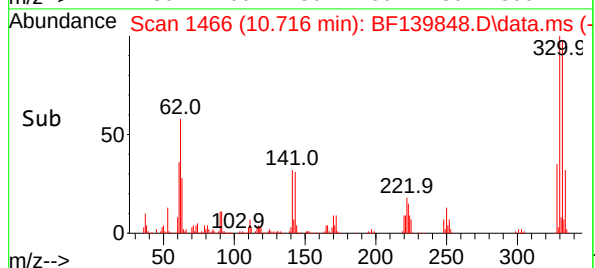
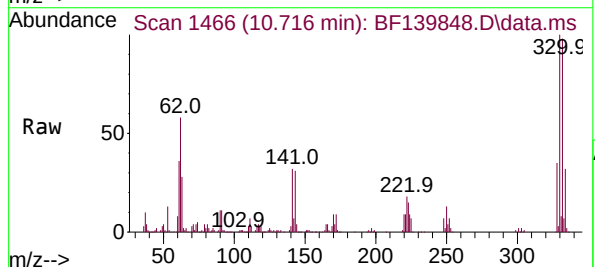
Manual Integrations
APPROVED

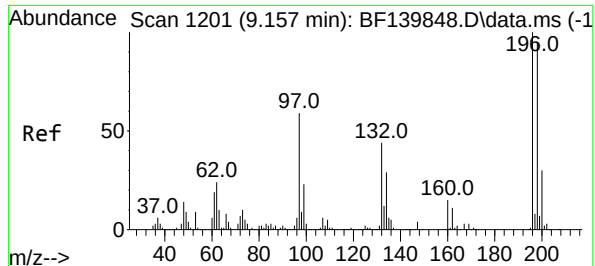
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#42
2,4,6-Tribromophenol
Concen: 80.292 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:330 Resp: 285205
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 33.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.474 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

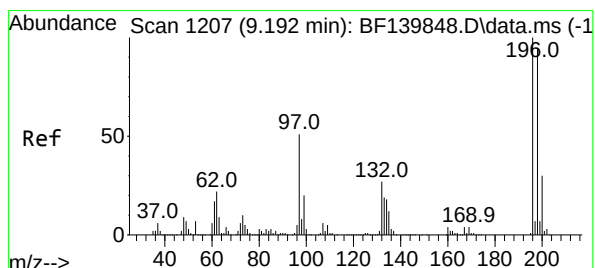
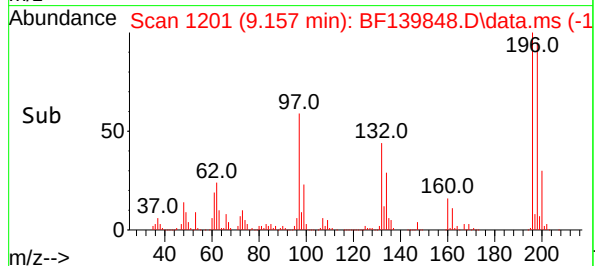
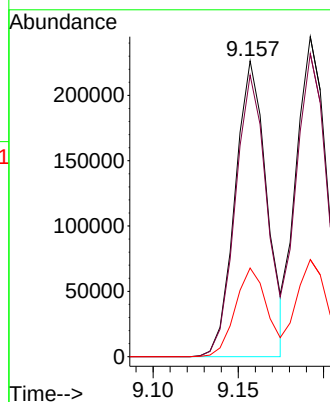
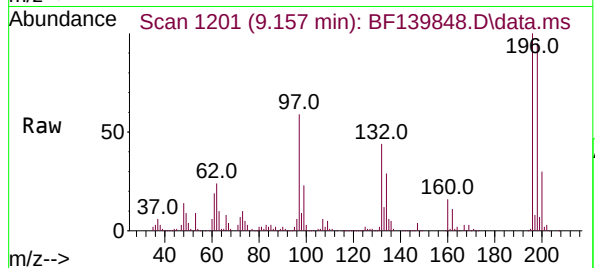
SSTDICCC040

Tgt Ion:196 Resp: 293572
Ion Ratio Lower Upper
196 100
198 95.2 76.2 114.2
200 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 40.651 ng

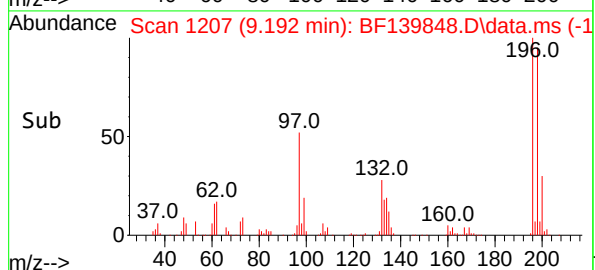
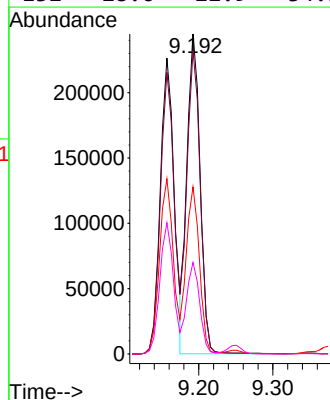
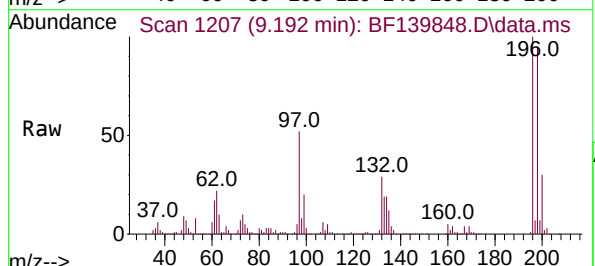
RT: 9.192 min Scan# 1207

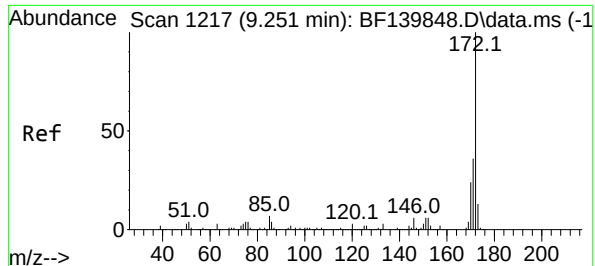
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

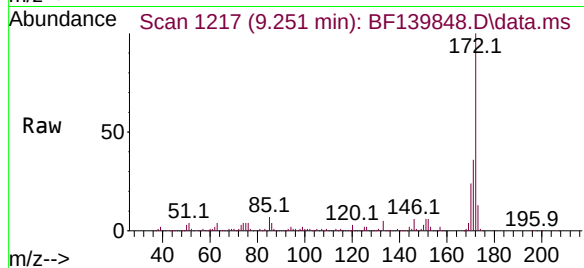
Tgt Ion:196 Resp: 304213
Ion Ratio Lower Upper
196 100
198 94.7 75.8 113.6
97 52.2 41.8 62.6
132 28.6 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 76.791 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

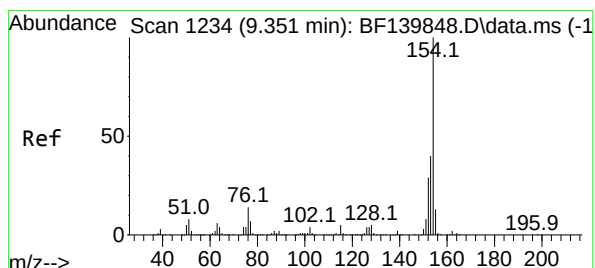
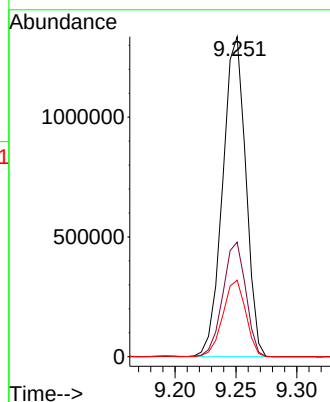
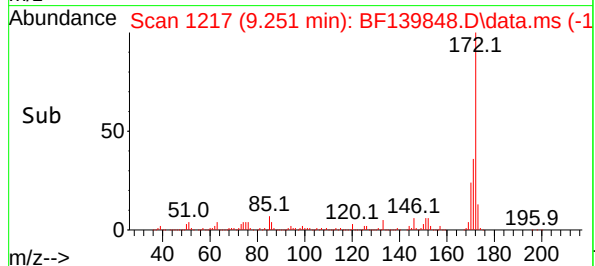
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:172 Resp: 1764495
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.9 19.1 28.7

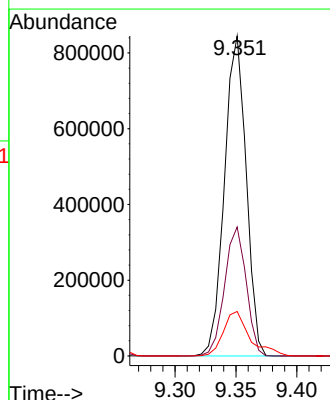
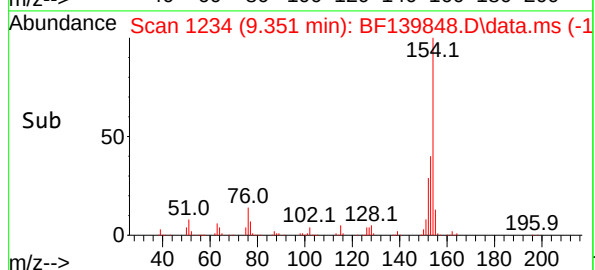
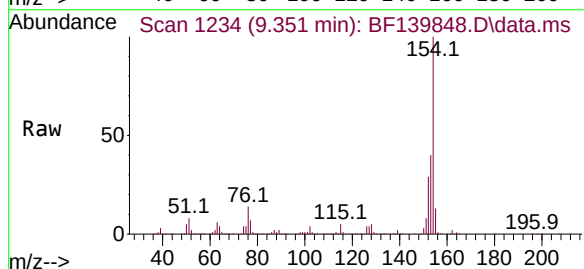
Manual Integrations
APPROVED

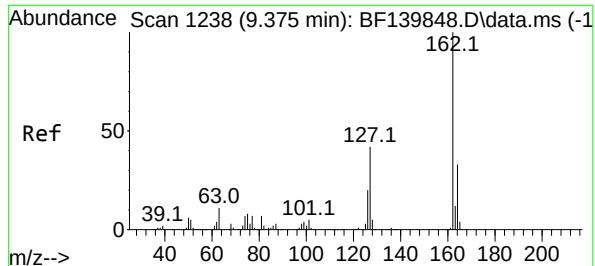
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#46
1,1'-Biphenyl
Concen: 39.608 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

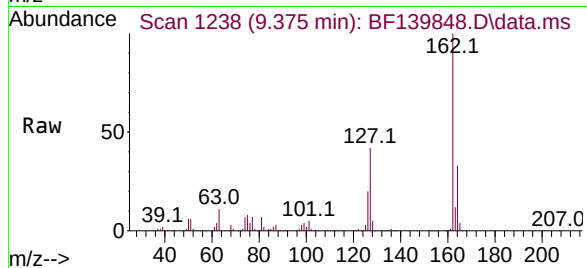
Tgt Ion:154 Resp: 1047094
Ion Ratio Lower Upper
154 100
153 40.3 20.3 60.3
76 13.9 0.0 33.9





#47
2-Chloronaphthalene
Concen: 39.613 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

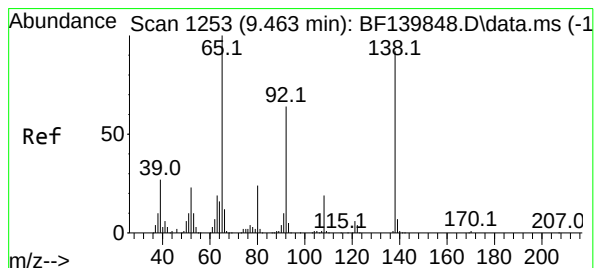
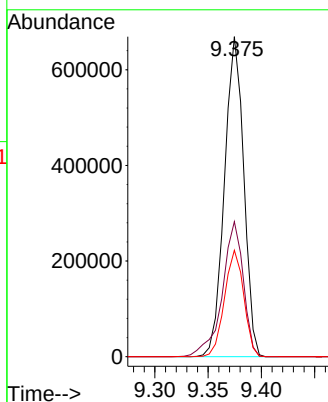
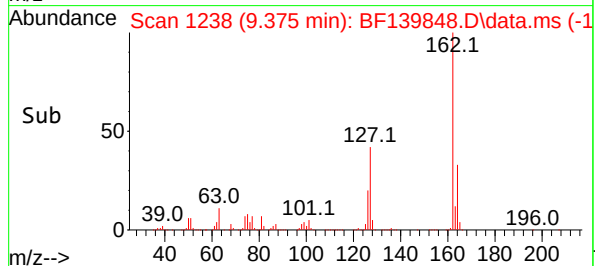
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:162 Resp: 843452
Ion Ratio Lower Upper
162 100
127 42.2 33.8 50.6
164 33.2 26.6 39.8

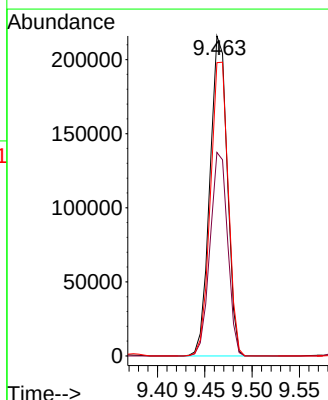
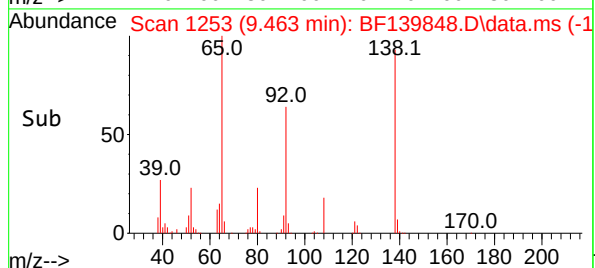
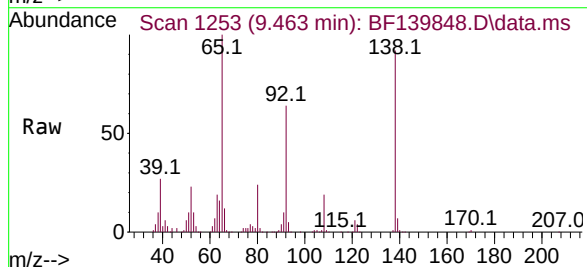
Manual Integrations
APPROVED

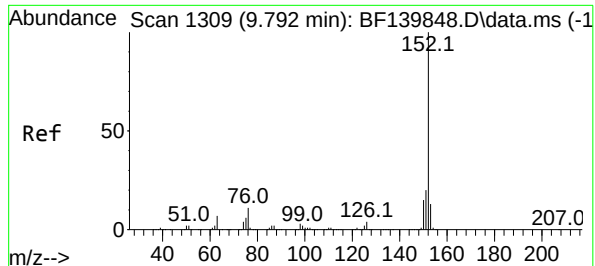
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#48
2-Nitroaniline
Concen: 42.562 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 65 Resp: 277165
Ion Ratio Lower Upper
65 100
92 63.6 50.9 76.3
138 91.7 73.4 110.0





#49

Acenaphthylene

Concen: 39.837 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 122627

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

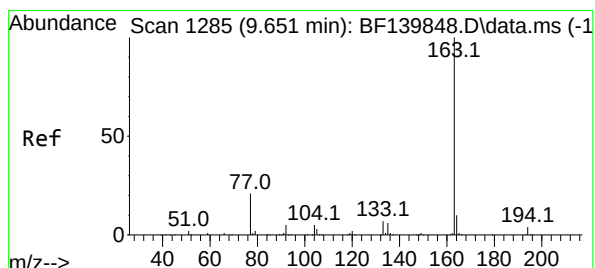
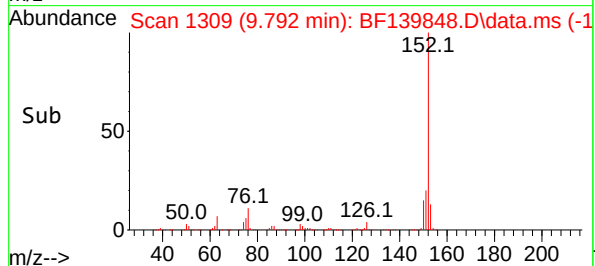
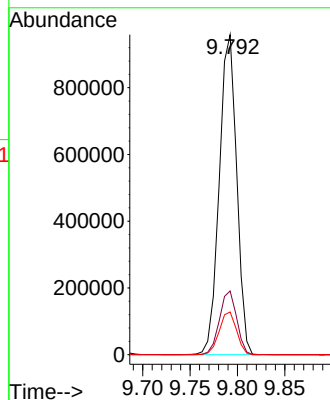
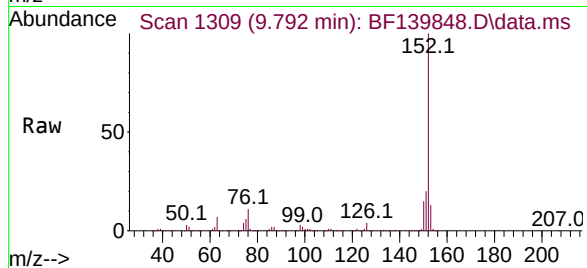
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

Concen: 39.726 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

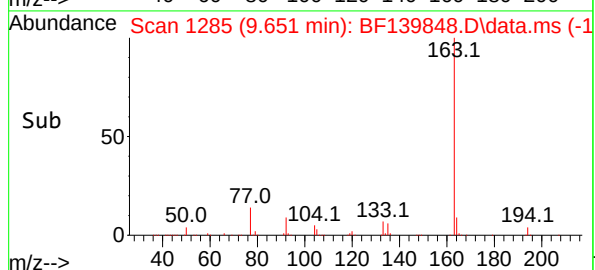
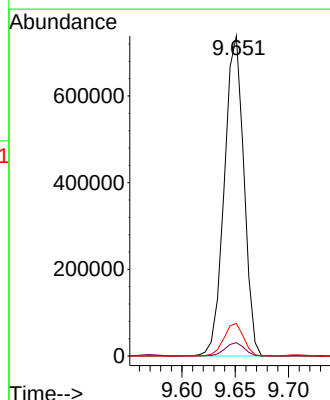
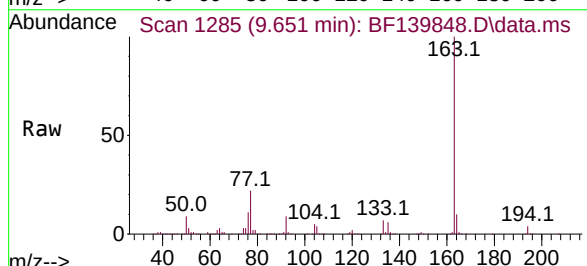
Tgt Ion:163 Resp: 939670

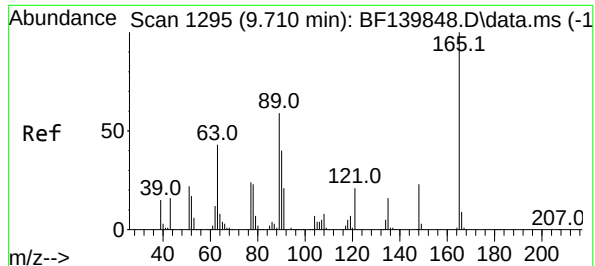
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

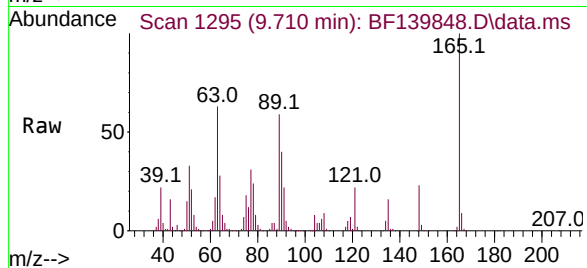
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 41.580 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

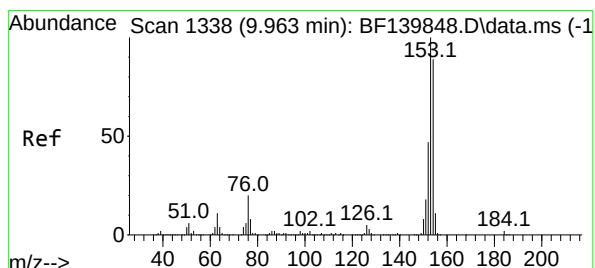
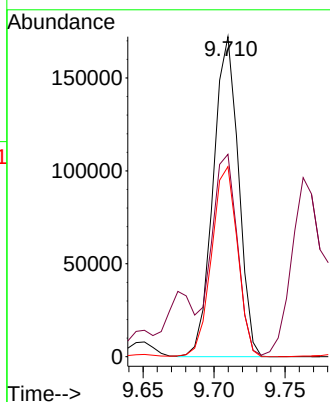
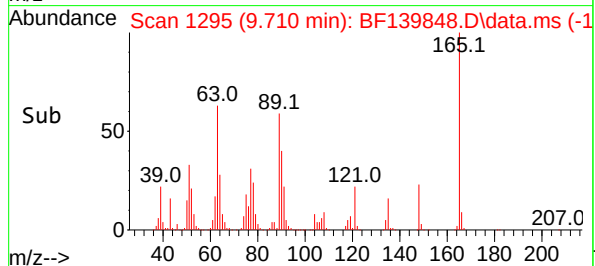
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 212950
Ion Ratio Lower Upper
165 100
63 63.2 50.6 75.8
89 59.4 47.5 71.3

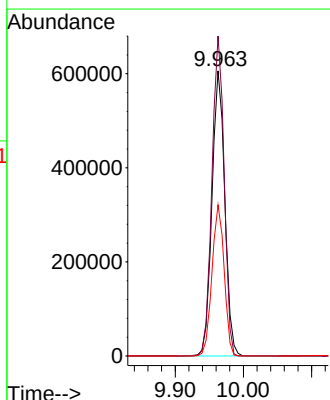
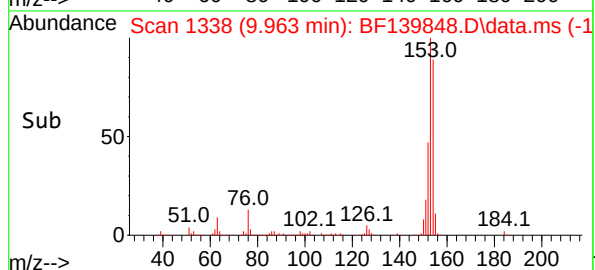
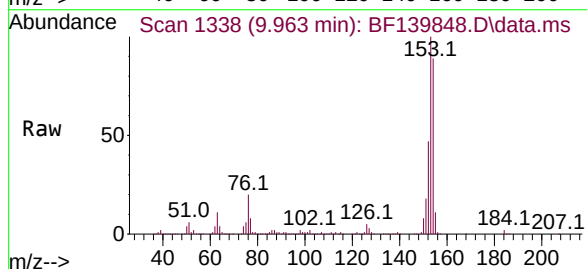
Manual Integrations
APPROVED

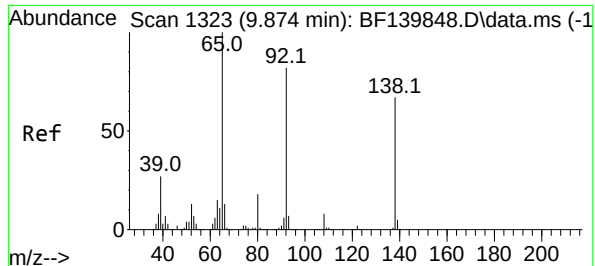
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 39.811 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

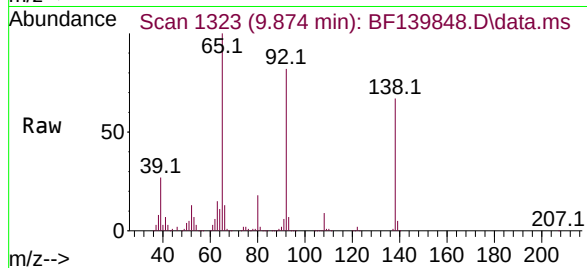
Tgt Ion:154 Resp: 792756
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.6
152 53.0 42.4 63.6





#53
3-Nitroaniline
Concen: 42.051 ng
RT: 9.874 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

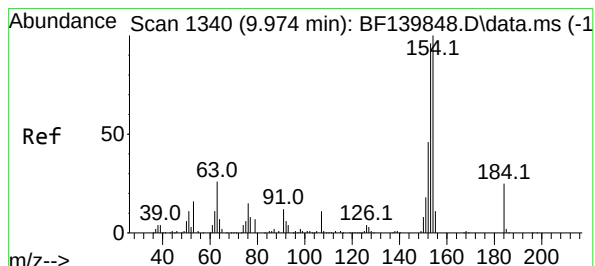
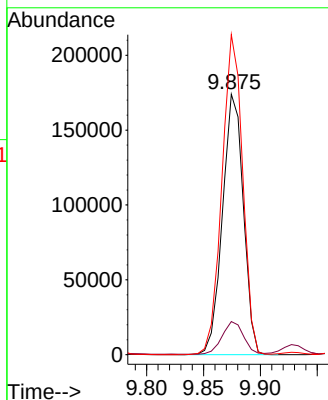
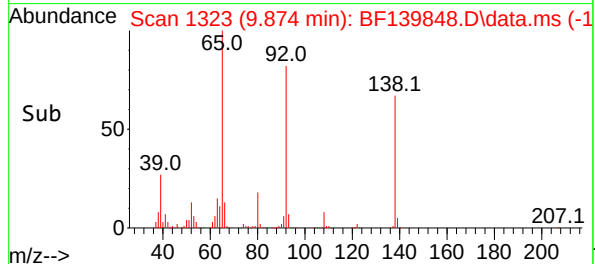
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 222098
Ion Ratio Lower Upper
138 100
108 12.7 10.2 15.2
92 122.9 98.3 147.5

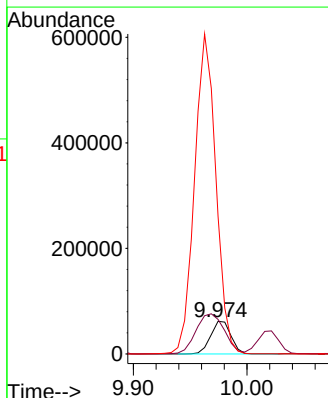
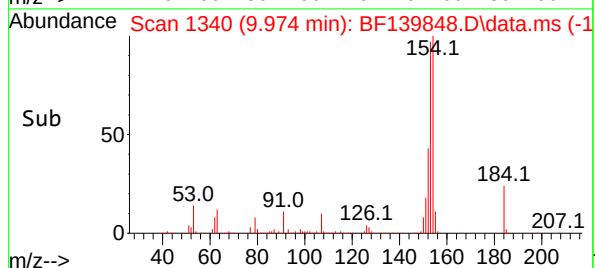
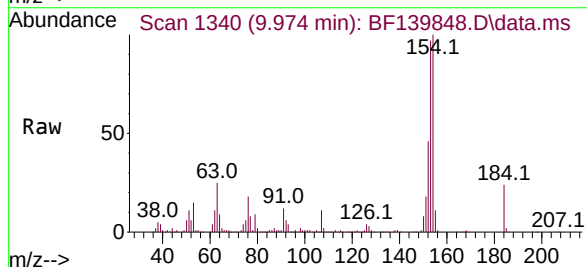
Manual Integrations
APPROVED

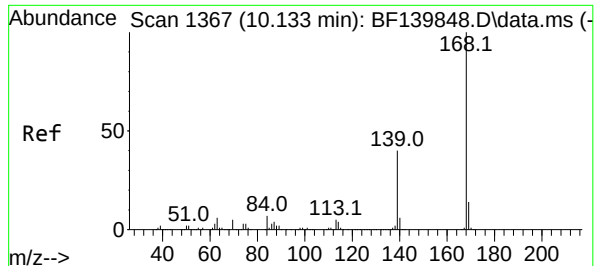
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 39.739 ng
RT: 9.974 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:184 Resp: 76948
Ion Ratio Lower Upper
184 100
63 105.9 84.7 127.1
154 422.7 338.2 507.2





#55

Dibenzenofuran

Concen: 39.505 ng

RT: 10.133 min Scan# 1367

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 1128670

Ion Ratio Lower Upper

168 100

139 39.7 31.8 47.6

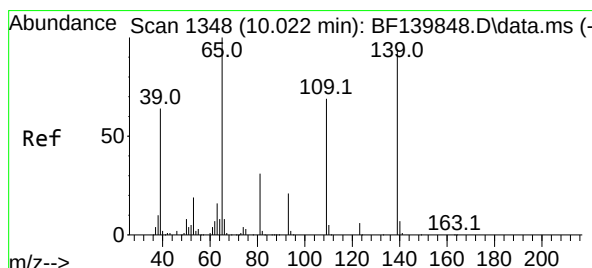
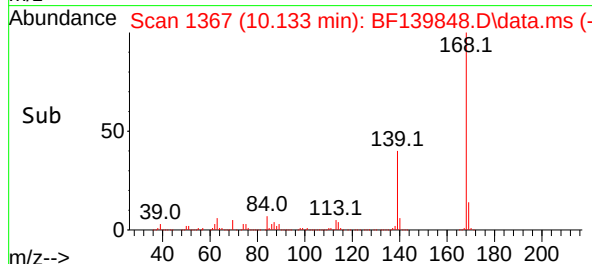
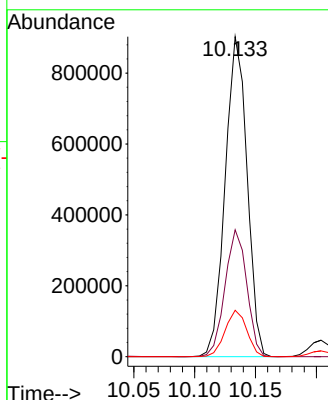
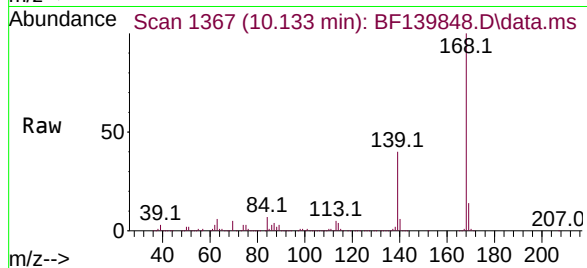
169 14.5 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#56

4-Nitrophenol

Concen: 43.292 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

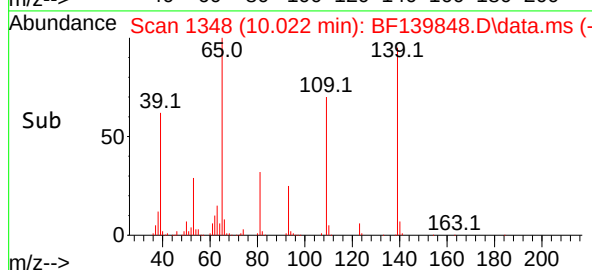
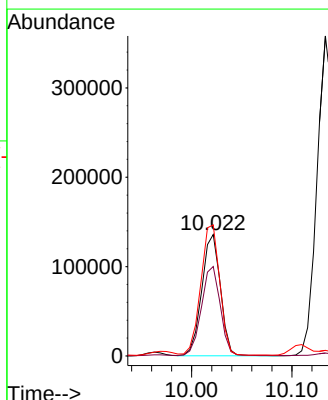
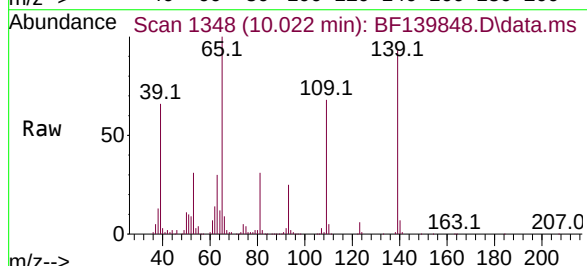
Tgt Ion:139 Resp: 175913

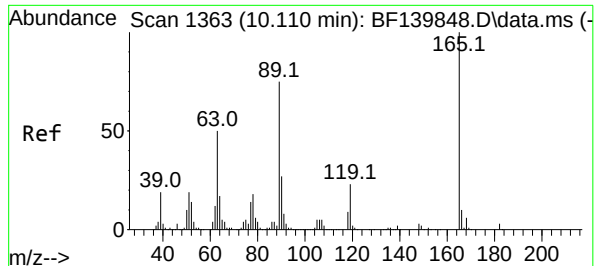
Ion Ratio Lower Upper

139 100

109 73.6 53.6 93.6

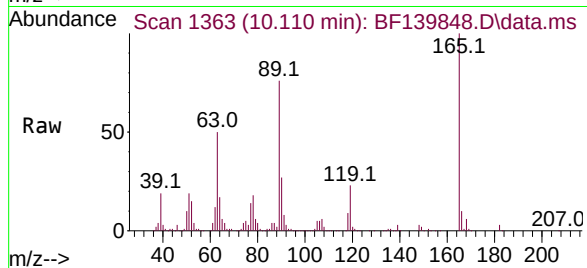
65 107.8 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 42.965 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

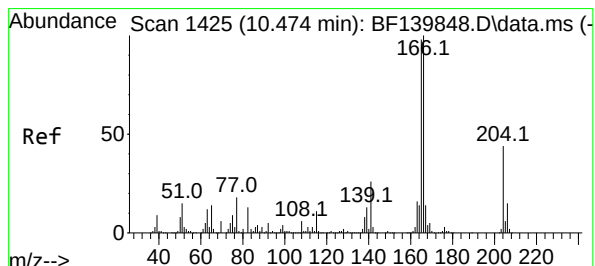
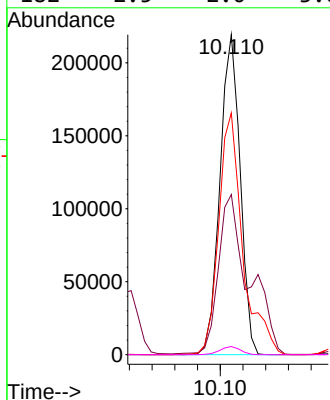
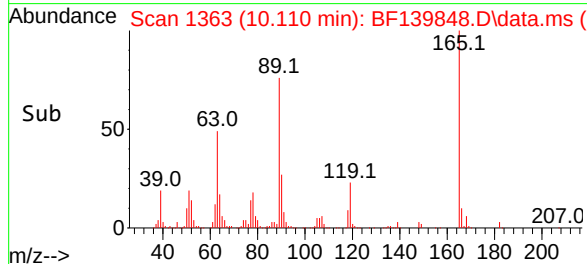
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



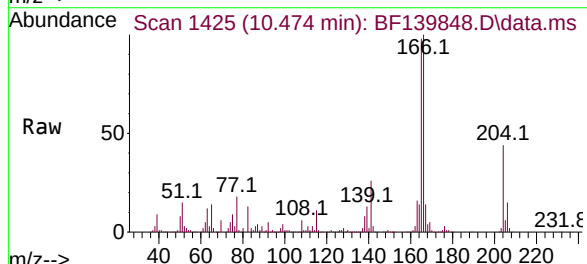
Tgt Ion:165 Resp: 270604
Ion Ratio Lower Upper
165 100
63 50.1 40.1 60.1
89 75.5 60.4 90.6
182 2.5 2.0 3.0

Manual Integrations
APPROVED

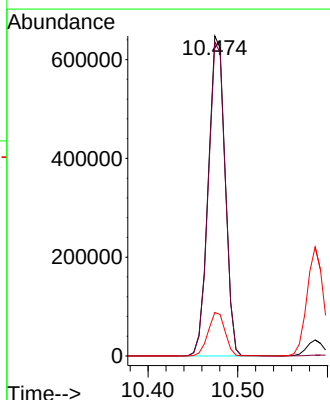
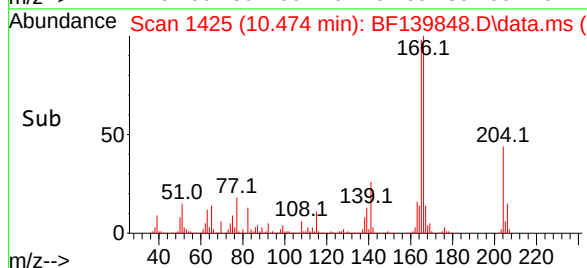
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

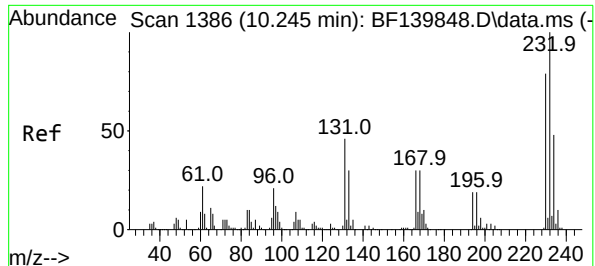


#58
Fluorene
Concen: 38.742 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



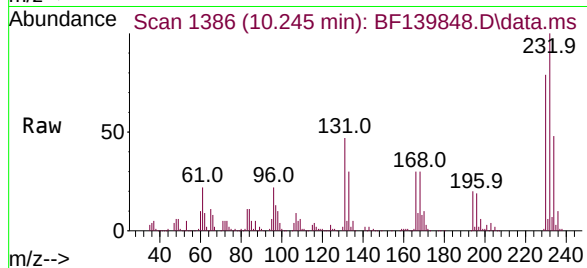
Tgt Ion:166 Resp: 843048
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.087 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

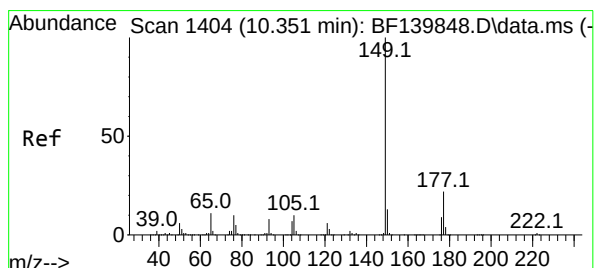
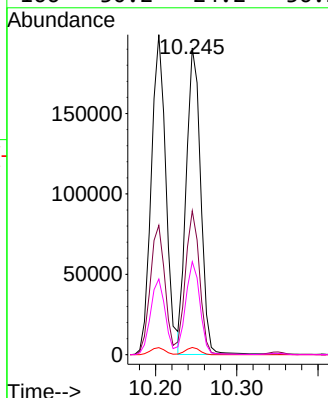
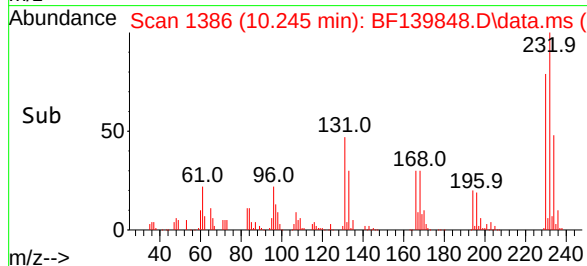
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 23517
Ion Ratio Lower Upper
232 100
131 46.3 37.0 55.6
130 2.4 1.9 2.9
166 30.2 24.2 36.2

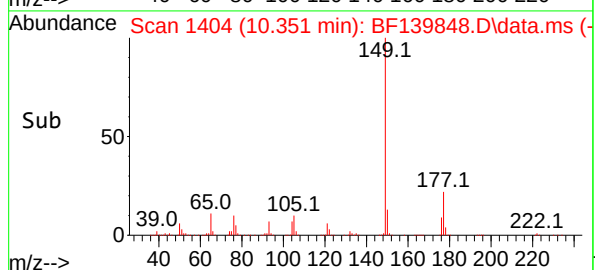
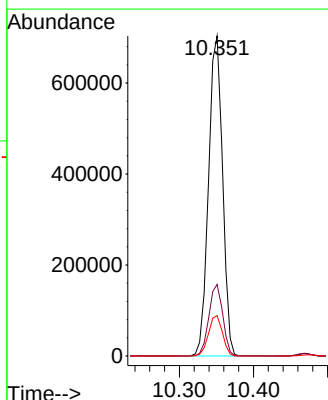
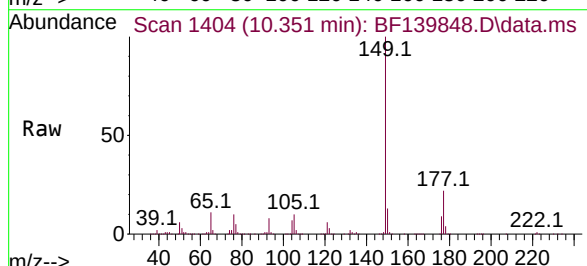
Manual Integrations
APPROVED

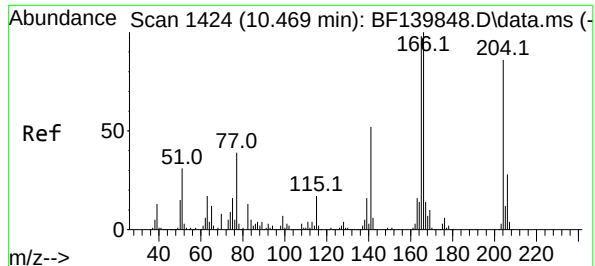
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#60
Diethylphthalate
Concen: 39.715 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

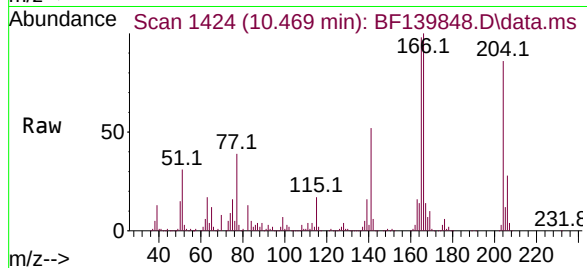
Tgt Ion:149 Resp: 922384
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.347 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

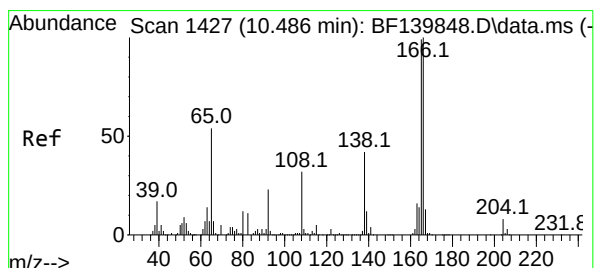
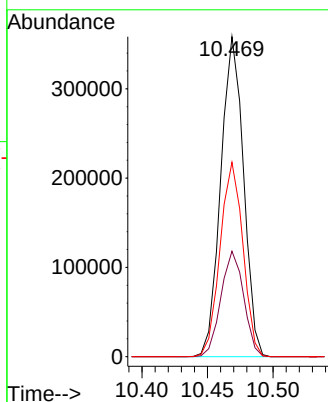
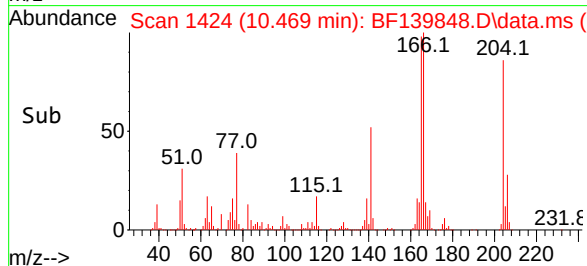
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



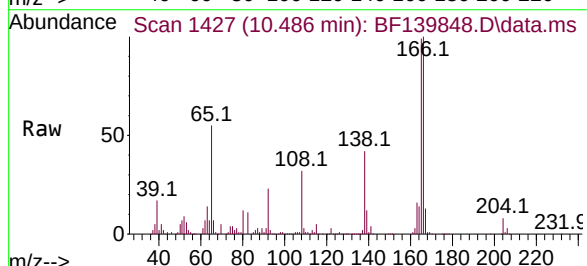
Tgt Ion:204 Resp: 43239
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 60.8 48.6 73.0

Manual Integrations
APPROVED

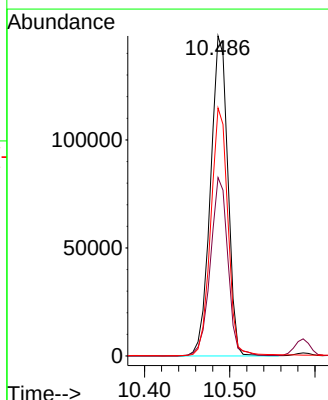
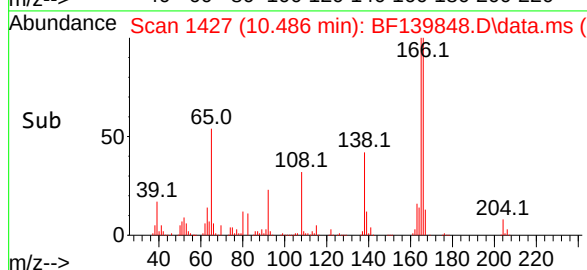
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

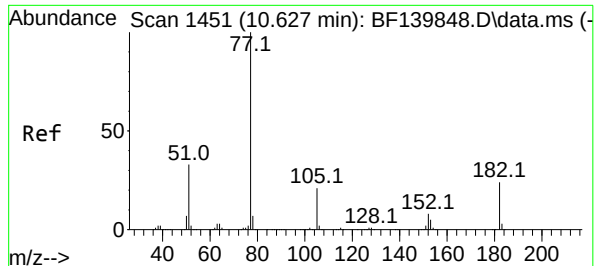


#62
4-Nitroaniline
Concen: 41.884 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



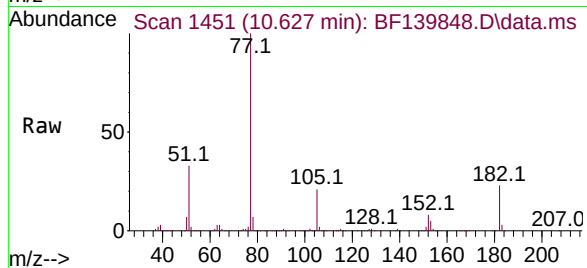
Tgt Ion:138 Resp: 208926
Ion Ratio Lower Upper
138 100
92 55.7 35.7 75.7
108 77.5 57.5 97.5





#63
Azobenzene
Concen: 40.289 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

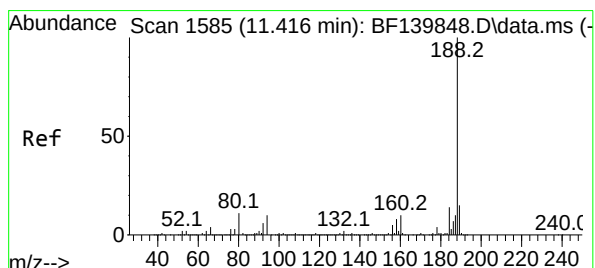
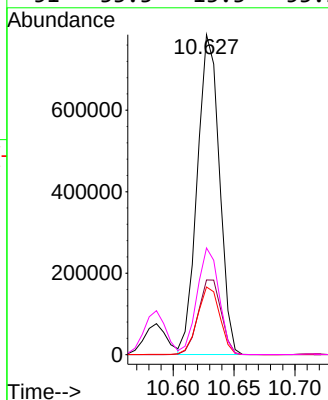
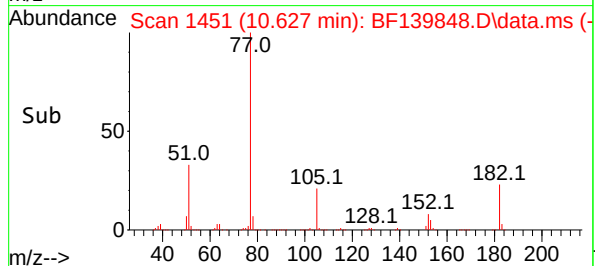
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 991989
Ion Ratio Lower Upper
77 100
182 23.3 3.3 43.3
105 21.2 1.2 41.2
51 33.3 13.3 53.3

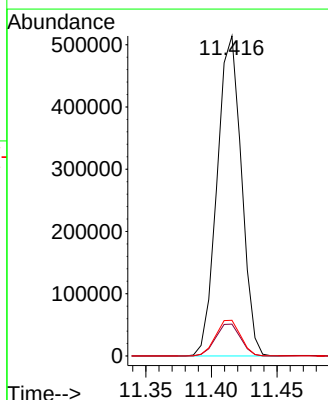
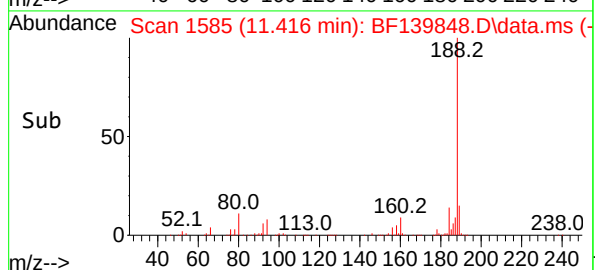
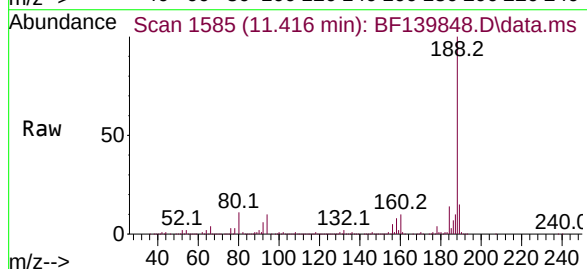
Manual Integrations
APPROVED

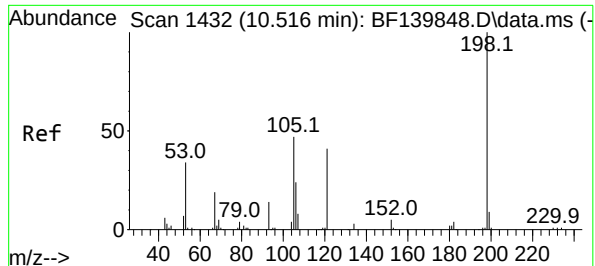
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:188 Resp: 663459
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 11.2 9.0 13.4





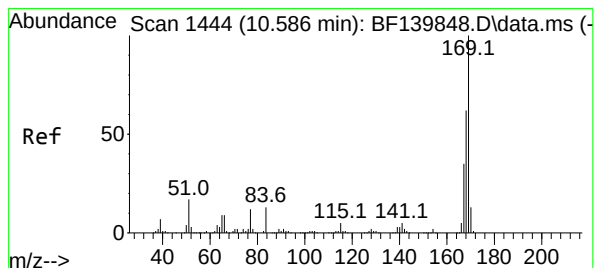
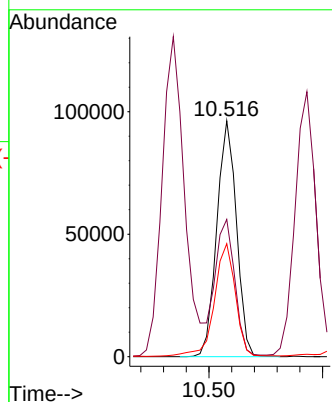
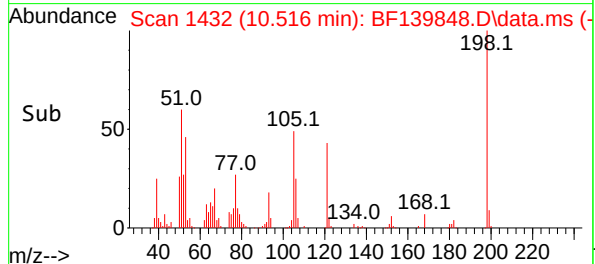
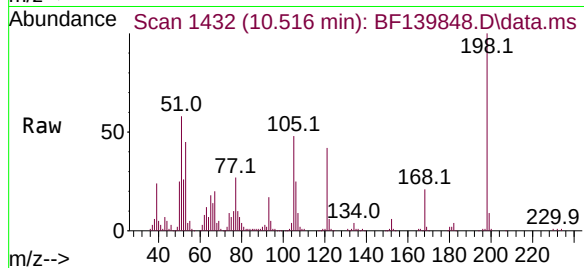
#65
4,6-Dinitro-2-methylphenol
Concen: 42.799 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 115824
Ion Ratio Lower Upper
198 100
51 58.2 38.2 78.2
105 47.9 27.9 67.9

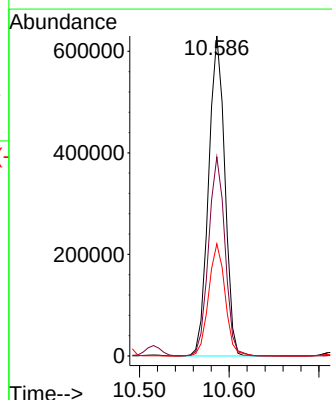
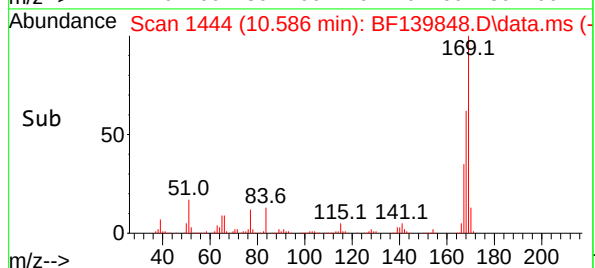
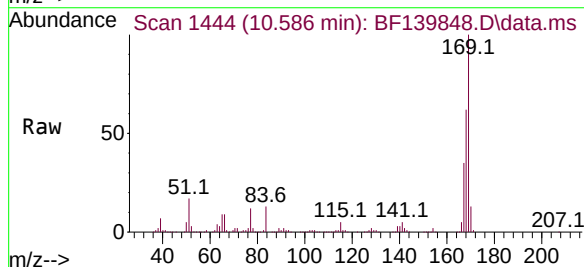
Manual Integrations
APPROVED

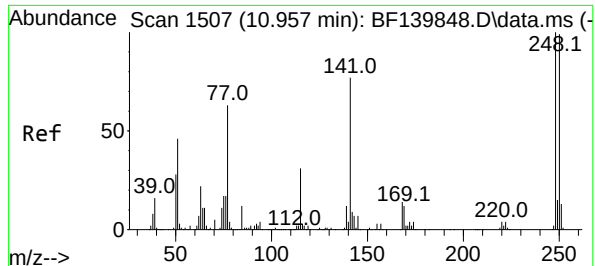
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 39.772 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

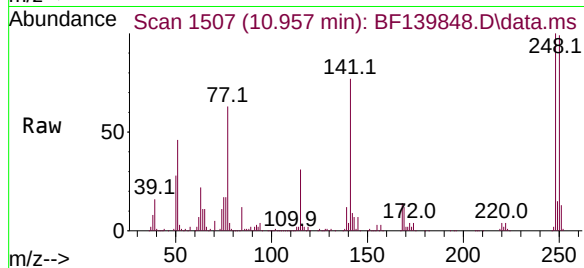
Tgt Ion:169 Resp: 789753
Ion Ratio Lower Upper
169 100
168 62.2 49.8 74.6
167 35.0 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 39.285 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

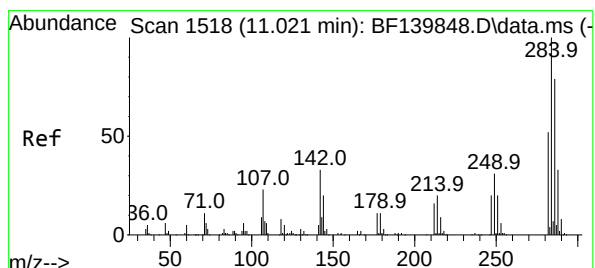
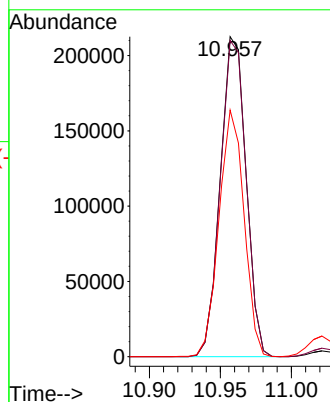
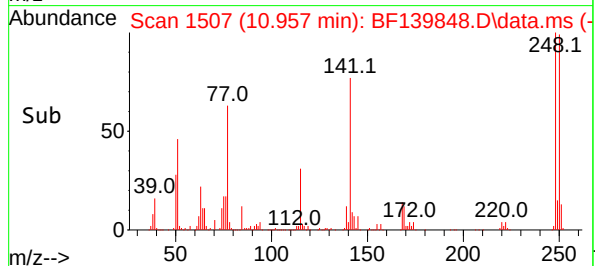
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



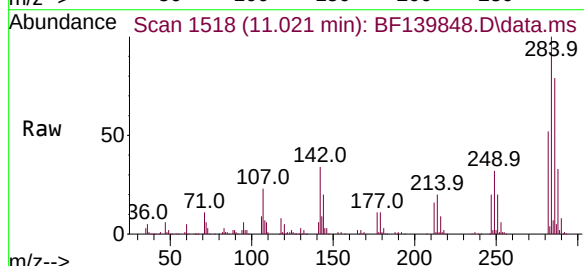
Tgt Ion:248 Resp: 268509
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.6
141 77.1 61.7 92.5

Manual Integrations
APPROVED

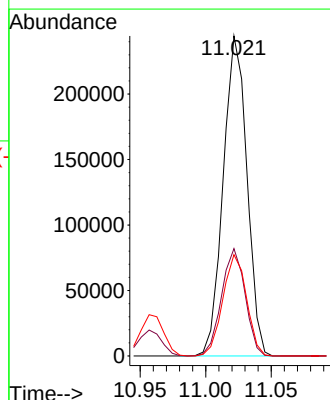
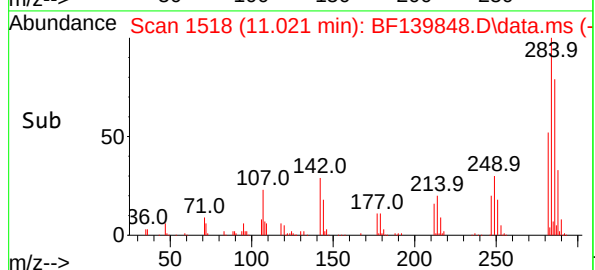
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

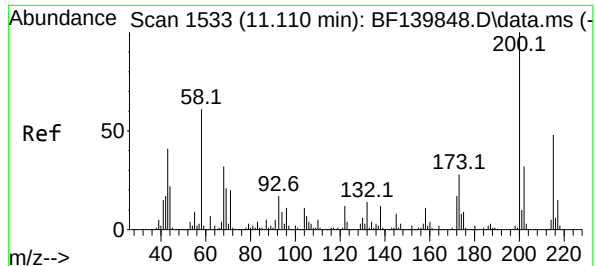


#68
Hexachlorobenzene
Concen: 39.927 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



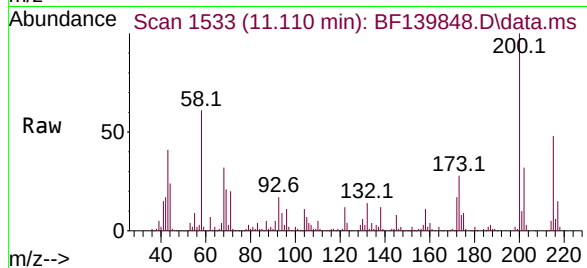
Tgt Ion:284 Resp: 306919
Ion Ratio Lower Upper
284 100
142 33.6 26.9 40.3
249 31.6 25.3 37.9





#69
Atrazine
Concen: 43.145 ng
RT: 11.110 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

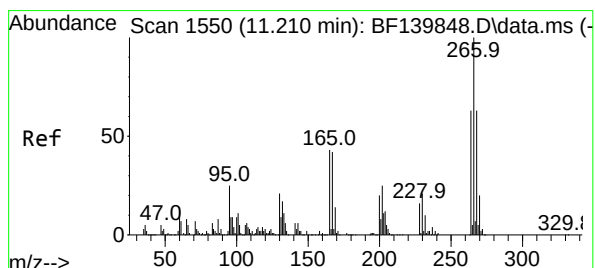
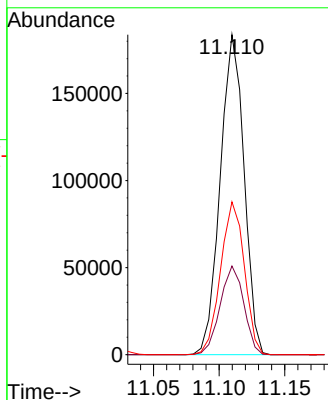
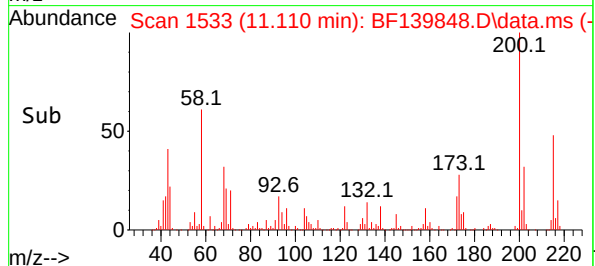
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



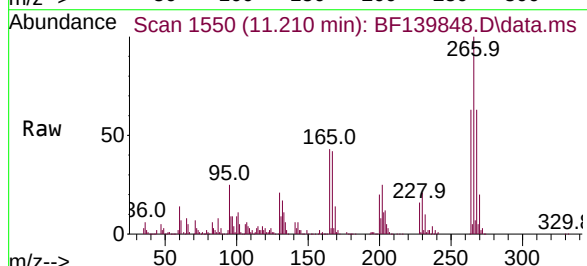
Tgt Ion:200 Resp: 232078
Ion Ratio Lower Upper
200 100
173 27.7 7.7 47.7
215 47.7 27.7 67.7

Manual Integrations
APPROVED

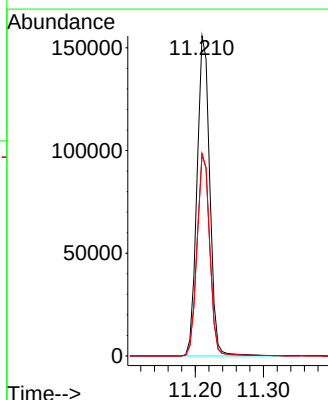
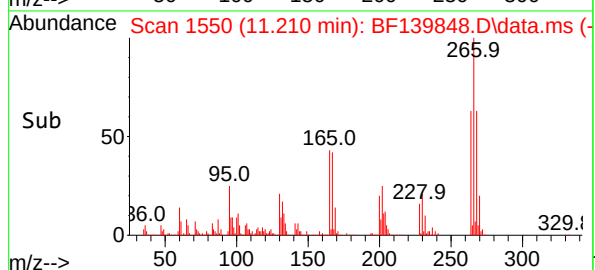
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

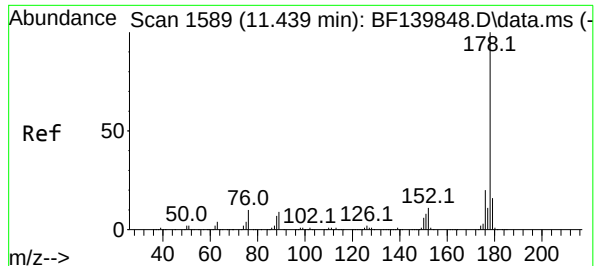


#70
Pentachlorophenol
Concen: 43.204 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



Tgt Ion:266 Resp: 201559
Ion Ratio Lower Upper
266 100
268 63.0 50.4 75.6
264 63.2 50.6 75.8





#71

Phenanthrene

Concen: 39.508 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:178 Resp: 123815

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

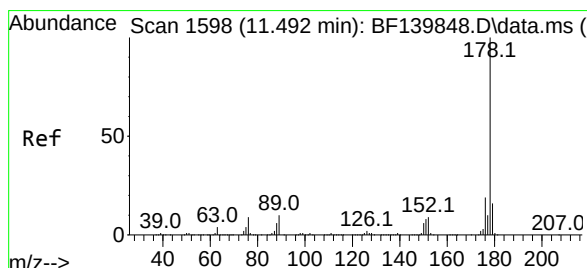
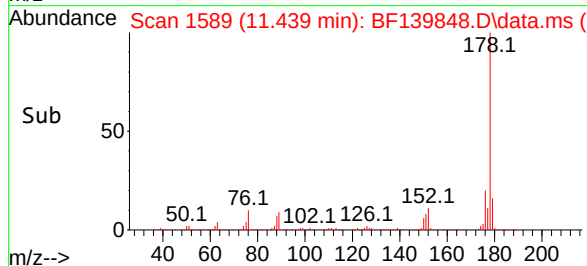
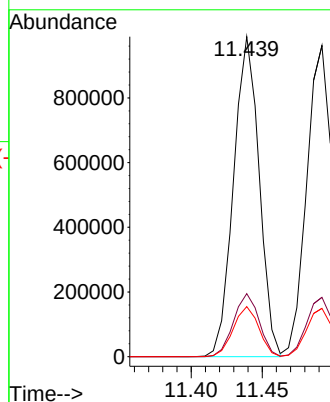
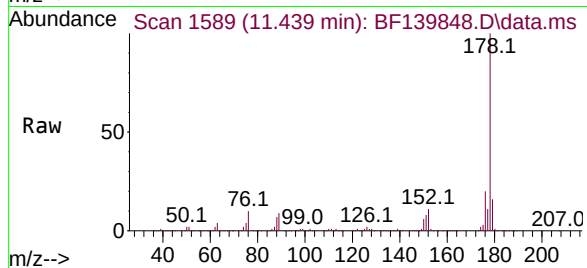
179 15.7 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#72

Anthracene

Concen: 39.628 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

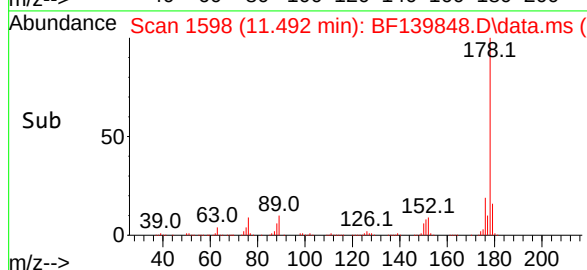
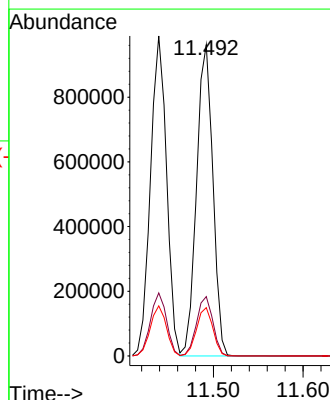
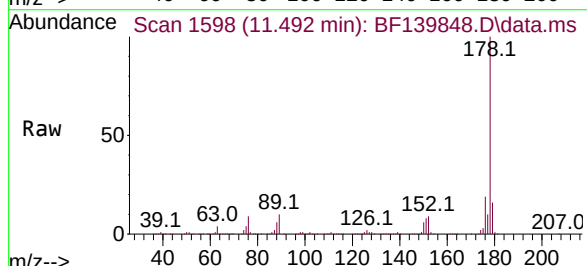
Tgt Ion:178 Resp: 1211718

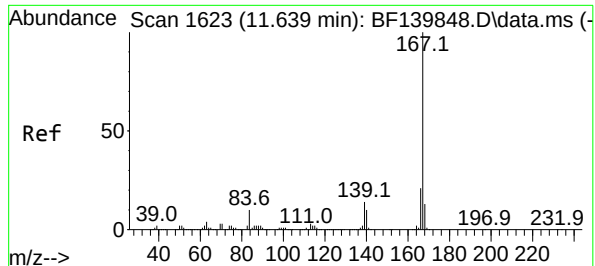
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

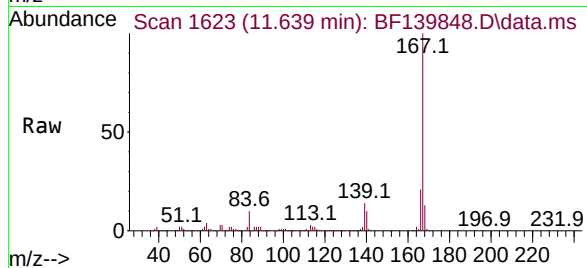
179 15.5 12.4 18.6





#73
Carbazole
Concen: 39.475 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

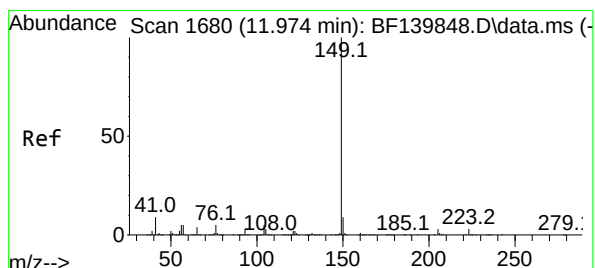
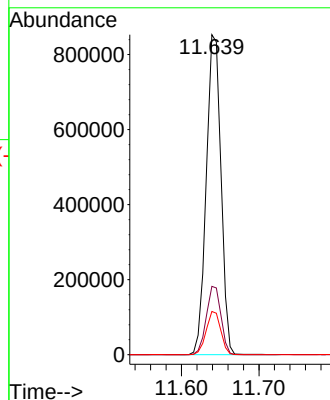
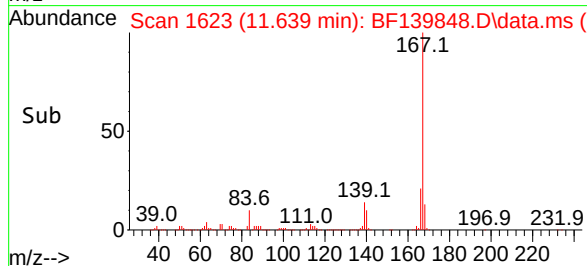
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



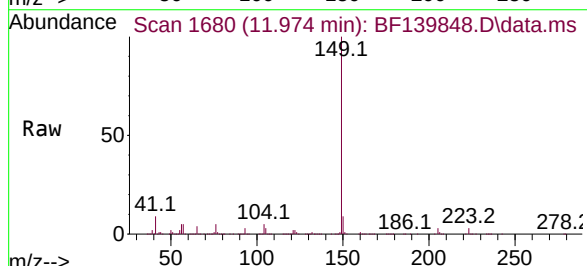
Tgt Ion:167 Resp: 1122560
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 13.5 10.8 16.2

Manual Integrations
APPROVED

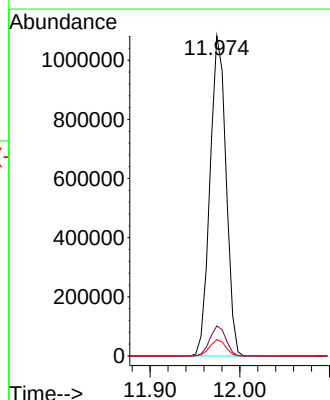
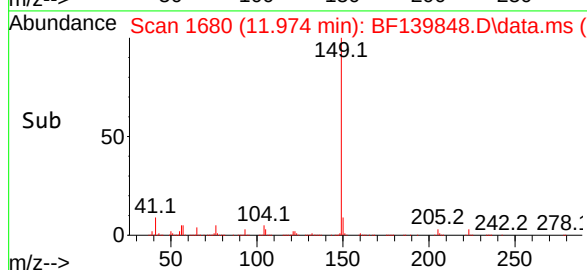
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

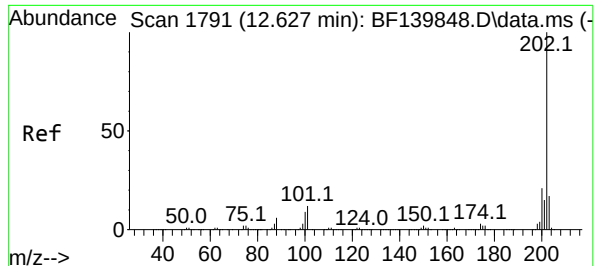


#74
Di-n-butylphthalate
Concen: 40.965 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



Tgt Ion:149 Resp: 1345878
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 5.1 4.1 6.1





#75

Fluoranthene

Concen: 39.493 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:202 Resp: 125120

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.9

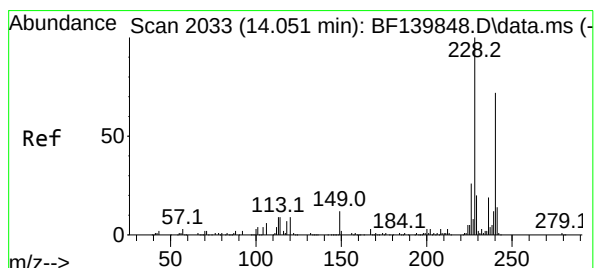
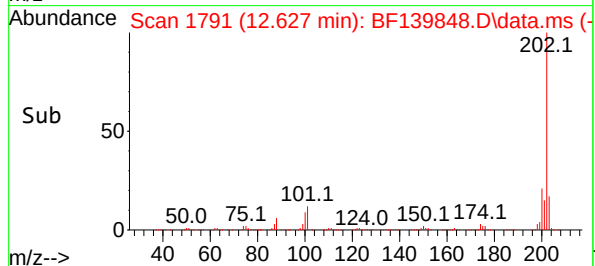
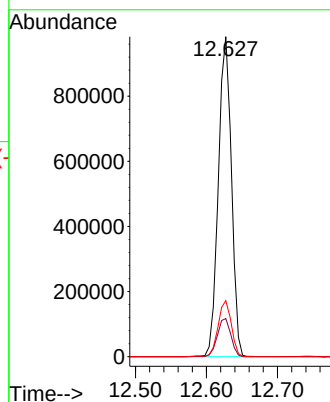
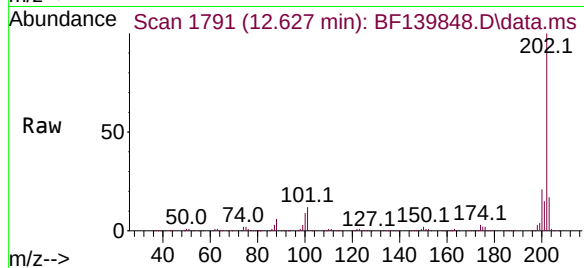
203 17.5 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

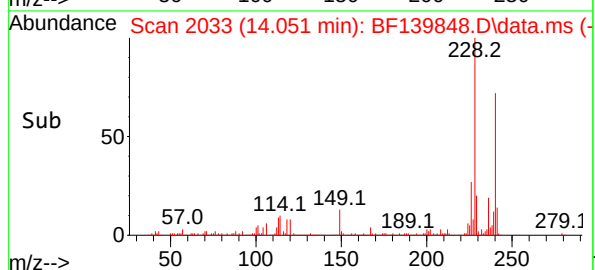
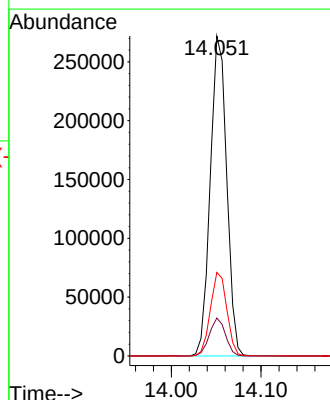
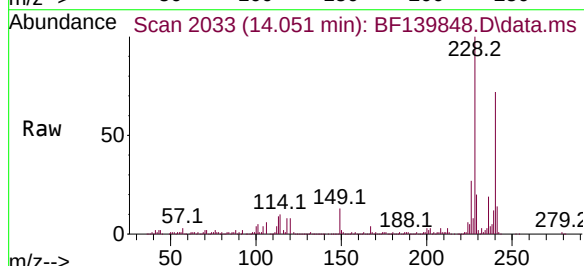
Tgt Ion:240 Resp: 345800

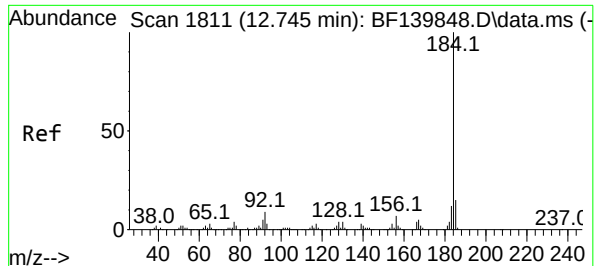
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

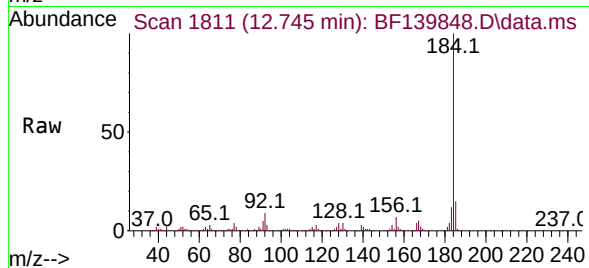
236 26.1 20.9 31.3





#77
Benzidine
Concen: 44.967 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

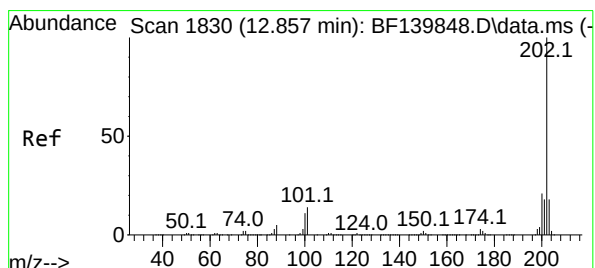
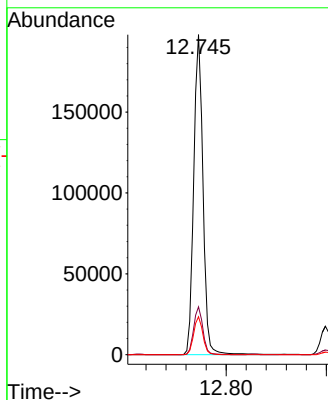
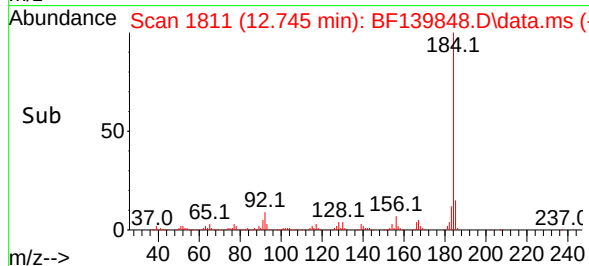
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 25289
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 11.8 9.4 14.2

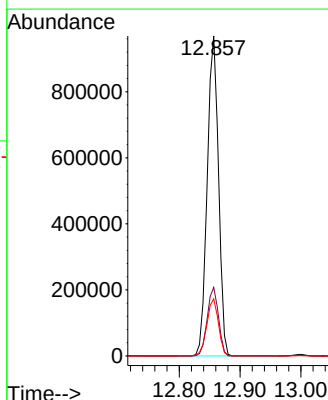
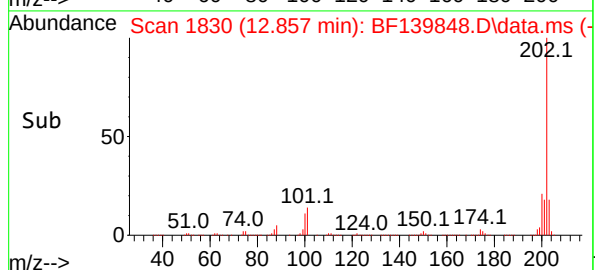
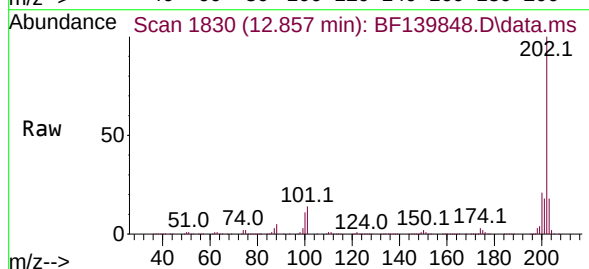
Manual Integrations
APPROVED

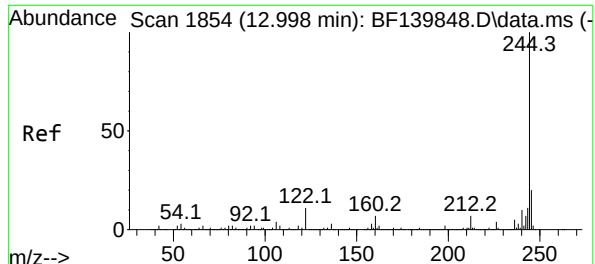
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78
Pyrene
Concen: 41.241 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:202 Resp: 1248309
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 81.103 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1721125

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

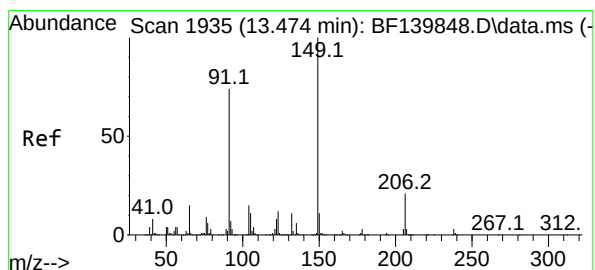
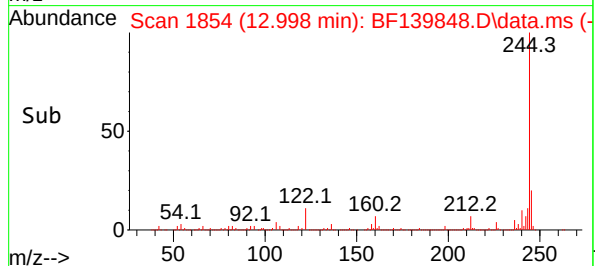
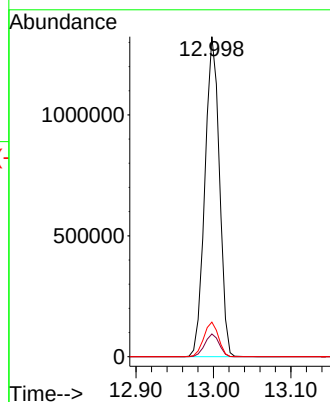
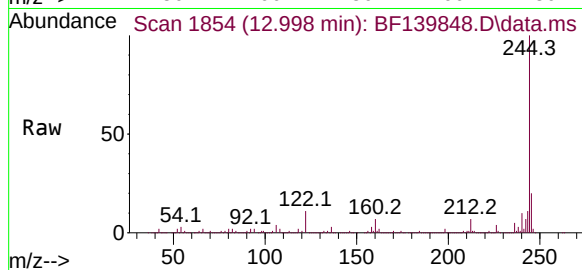
122 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 42.297 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

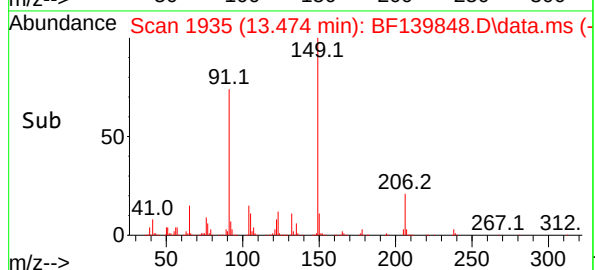
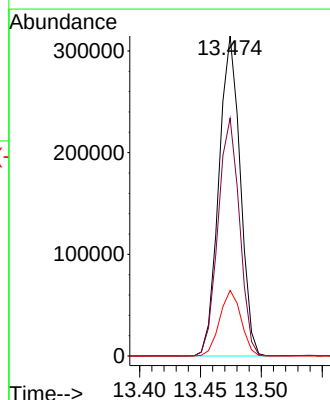
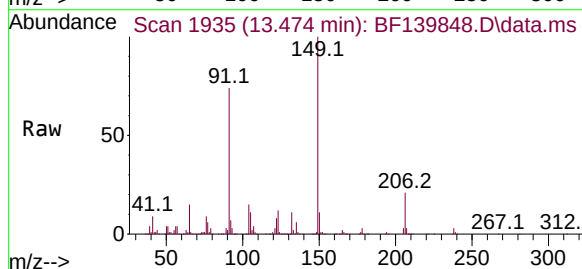
Tgt Ion:149 Resp: 383831

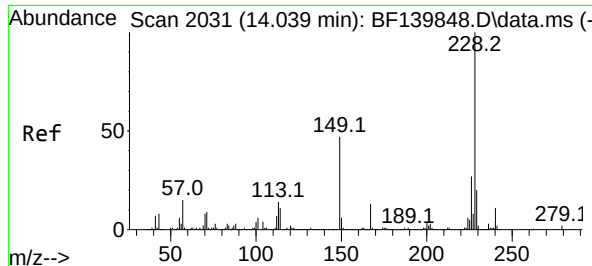
Ion Ratio Lower Upper

149 100

91 74.3 59.4 89.2

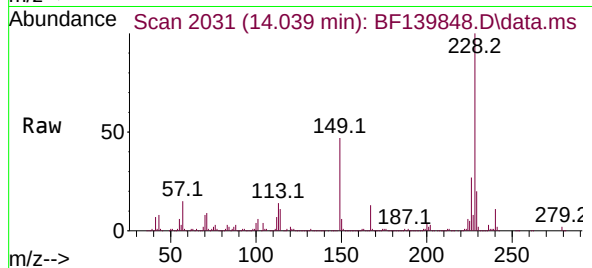
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 40.901 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

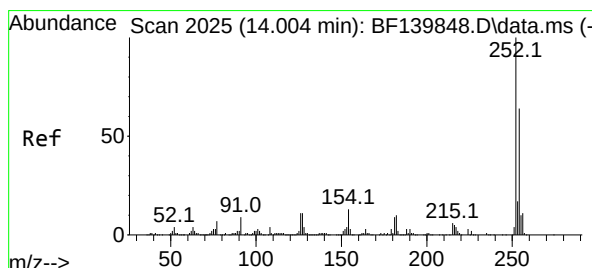
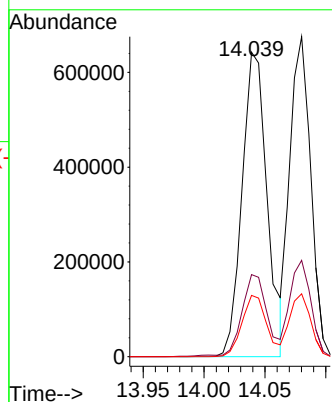
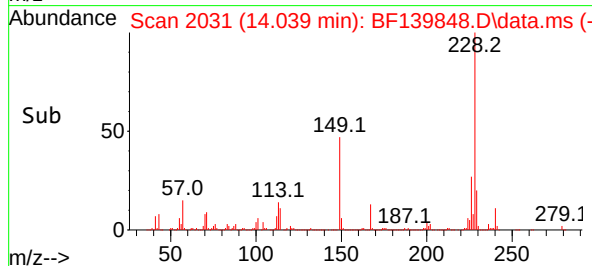
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



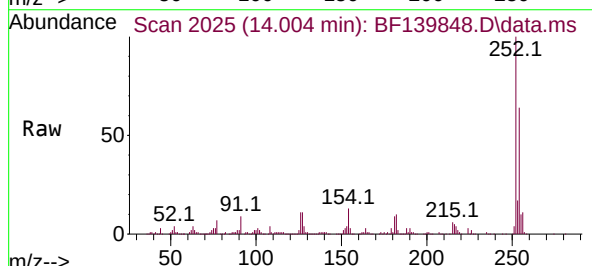
Tgt Ion:228 Resp: 920698
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 20.1 16.1 24.1

Manual Integrations
APPROVED

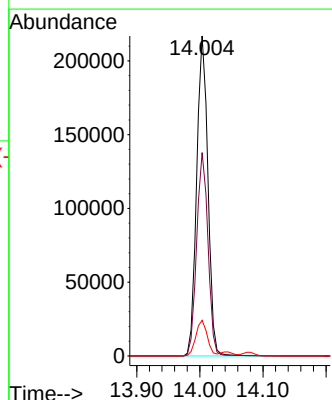
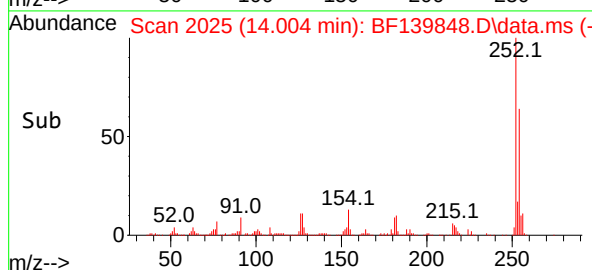
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

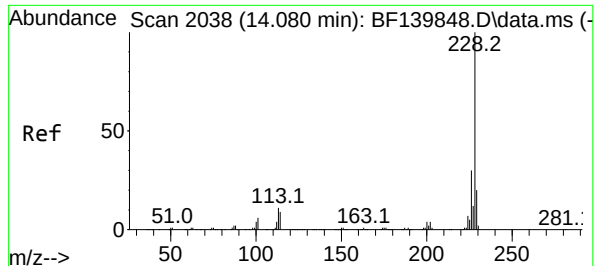


#82
3,3'-Dichlorobenzidine
Concen: 40.798 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



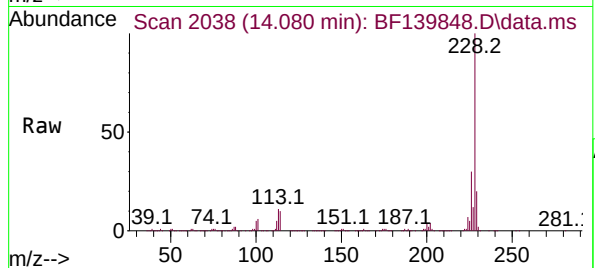
Tgt Ion:252 Resp: 267769
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 11.1 8.9 13.3





#83
Chrysene
Concen: 39.098 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

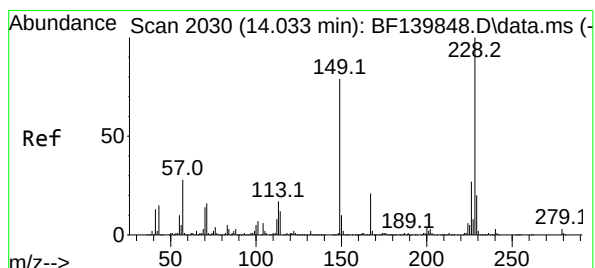
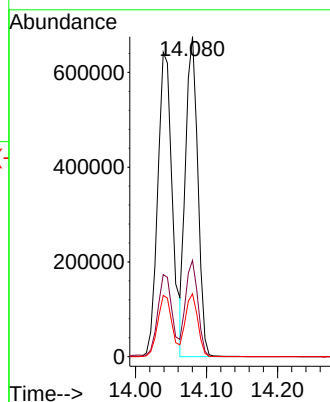
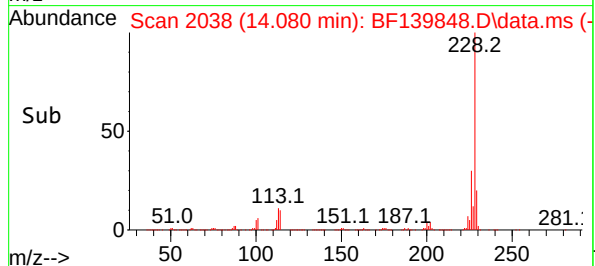
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 806950
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.7 15.8 23.6

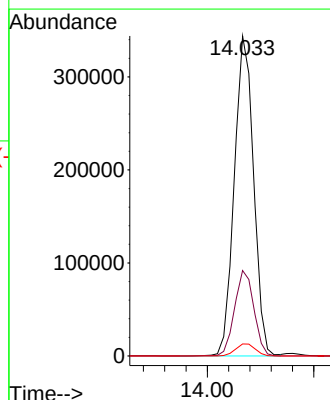
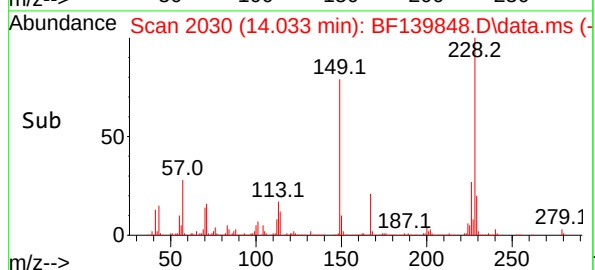
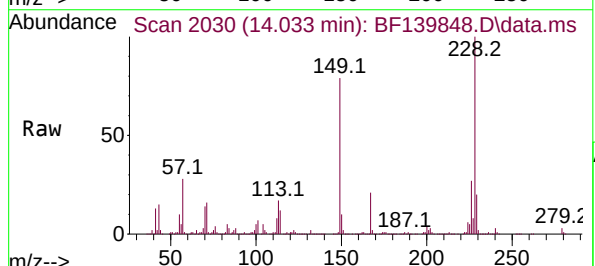
Manual Integrations
APPROVED

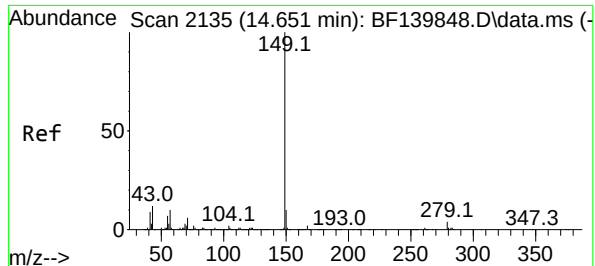
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.504 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

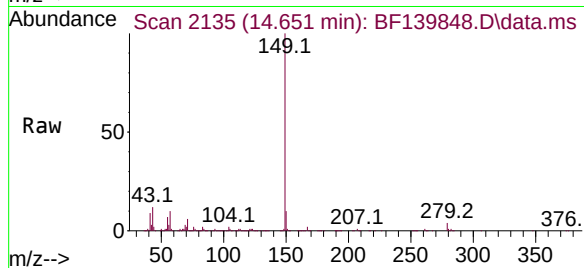
Tgt Ion:149 Resp: 432750
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 3.7 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 42.399 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

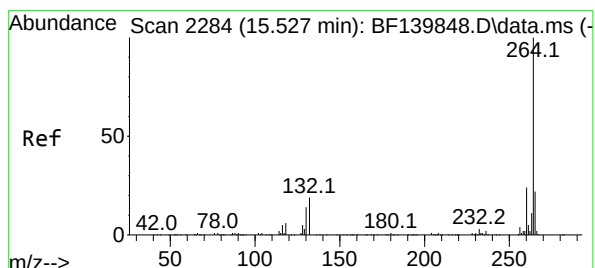
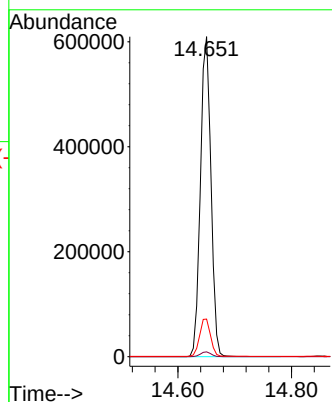
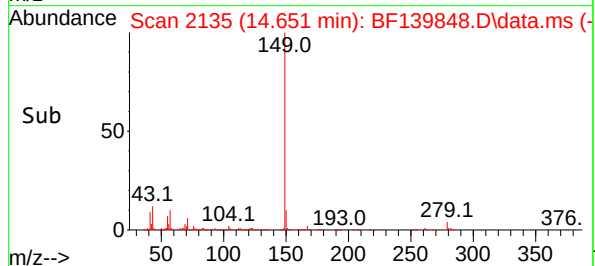
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 785179
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.2 9.8 14.6

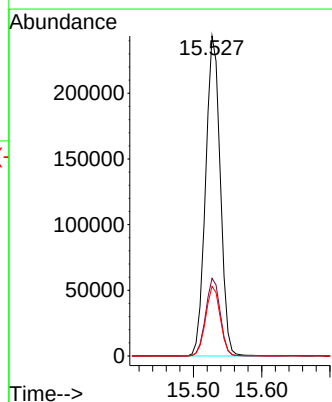
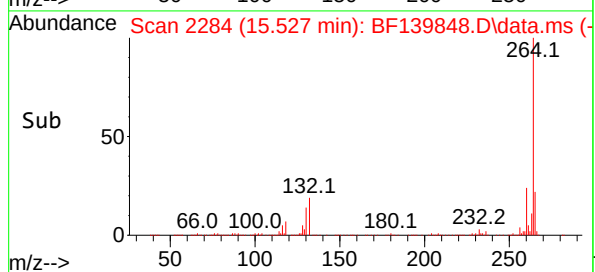
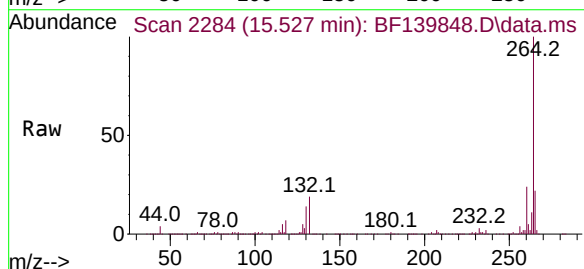
Manual Integrations
APPROVED

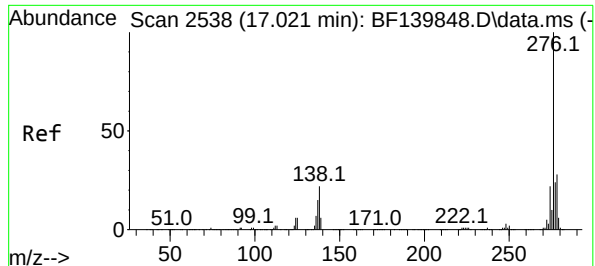
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

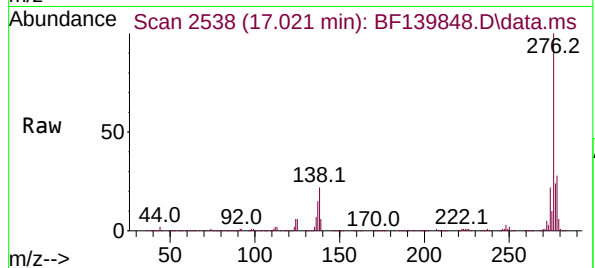
Tgt Ion:264 Resp: 365076
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.039 ng
RT: 17.021 min Scan# 2538
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

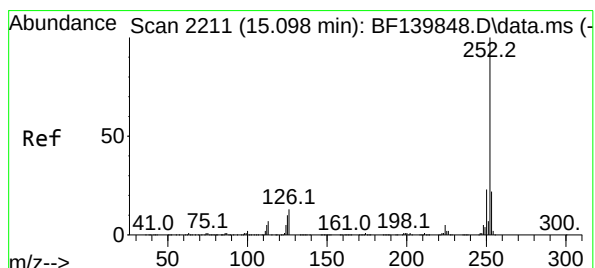
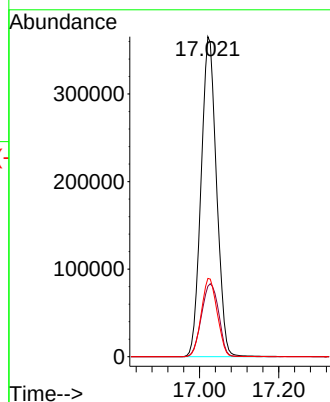
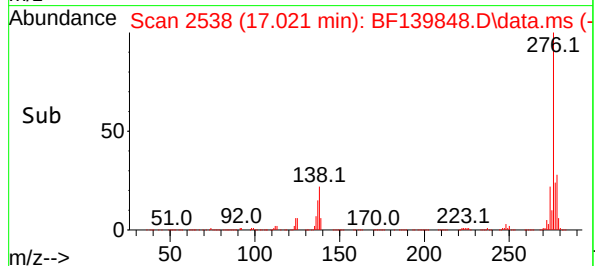
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:276 Resp: 987345
Ion Ratio Lower Upper
276 100
138 25.5 20.4 30.6
277 25.3 20.2 30.4

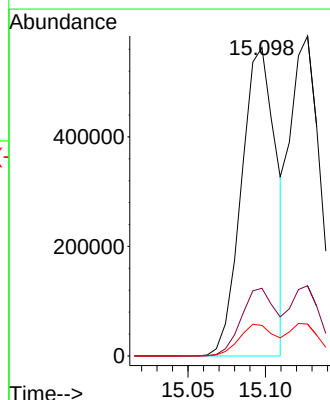
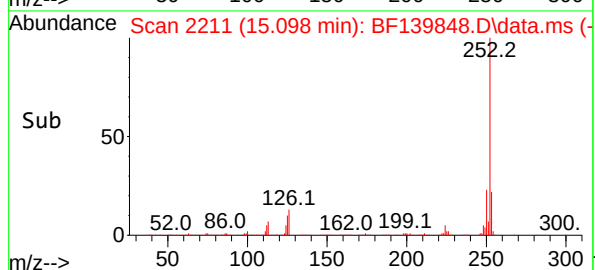
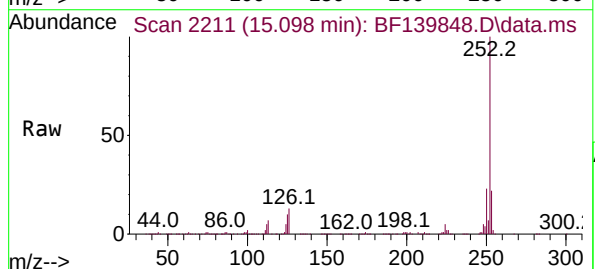
Manual Integrations
APPROVED

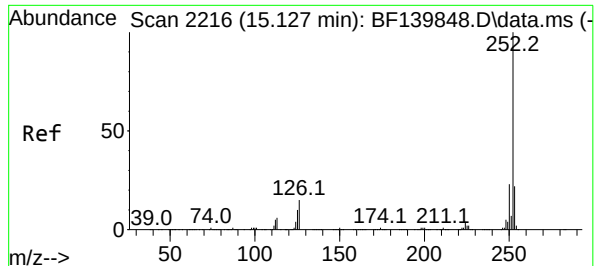
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#88
Benzo(b)fluoranthene
Concen: 39.263 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 873168
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.589 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 778470

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

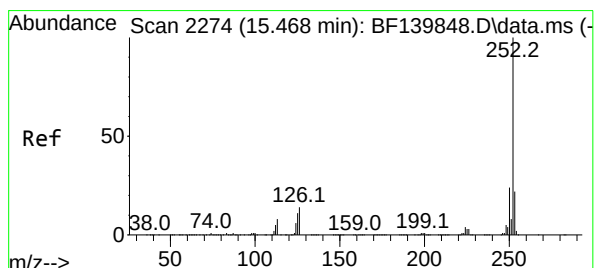
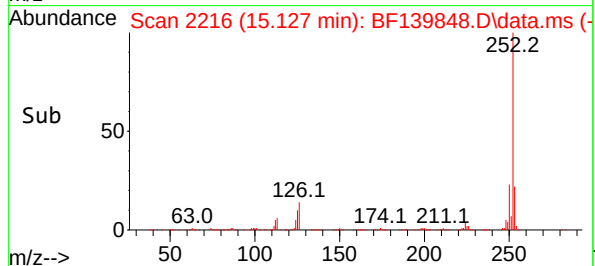
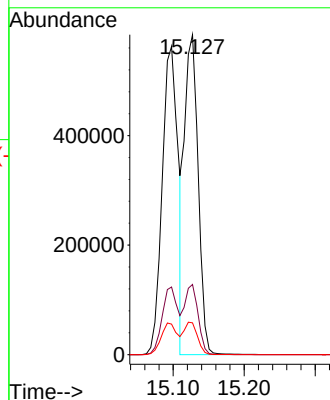
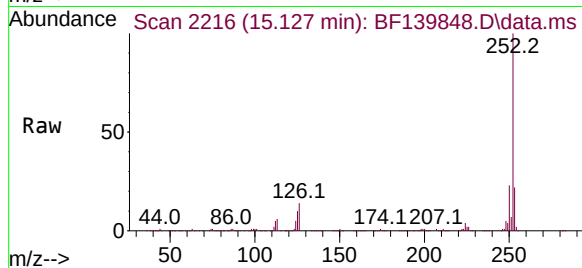
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 40.905 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

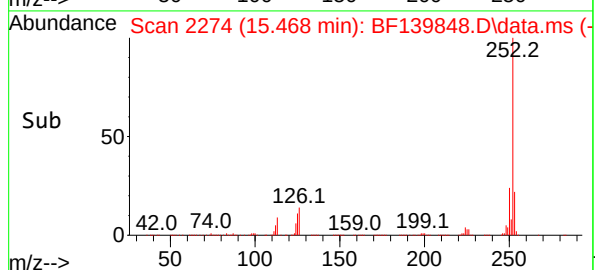
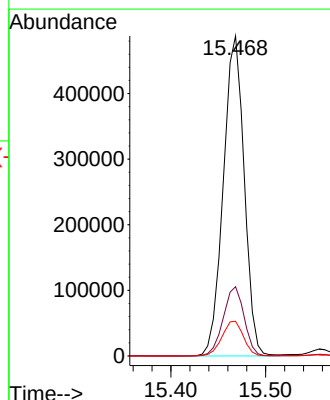
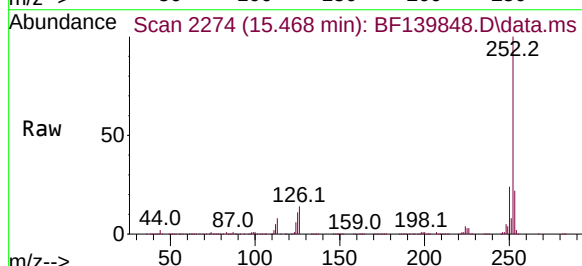
Tgt Ion:252 Resp: 748507

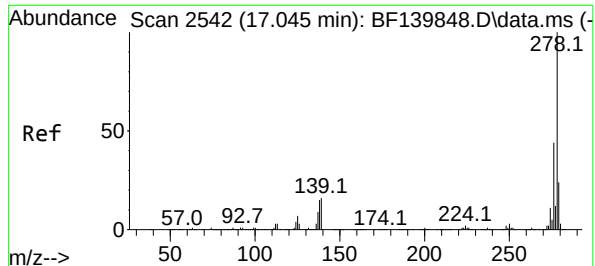
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.9 8.7 13.1





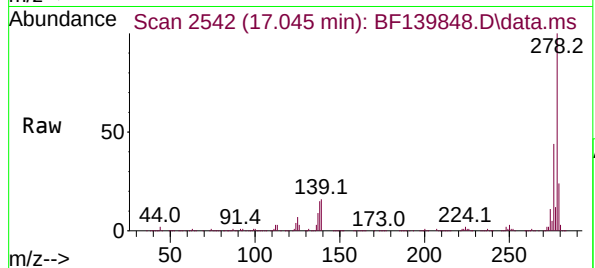
#91
Dibenzo(a,h)anthracene
Concen: 41.752 ng
RT: 17.045 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

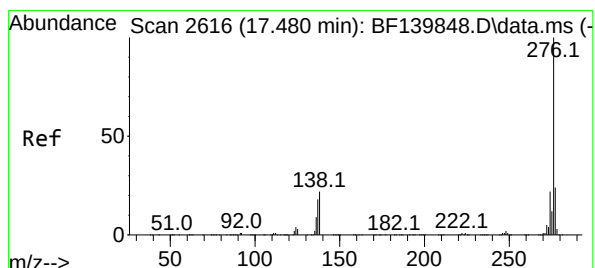
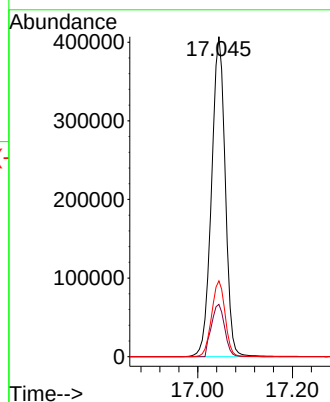
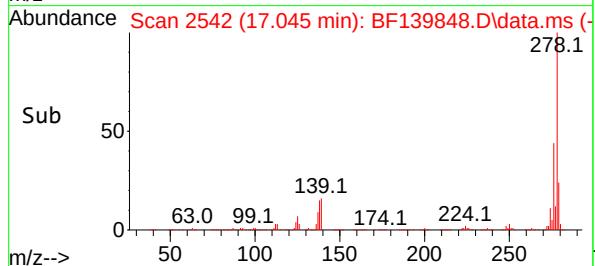


Tgt Ion:278 Resp: 818044
Ion Ratio Lower Upper
278 100
139 16.4 13.1 19.7
279 23.7 19.0 28.4

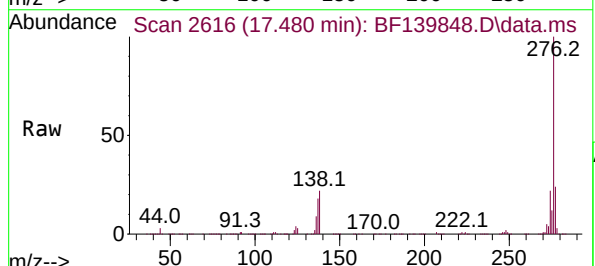
Manual Integrations

APPROVED

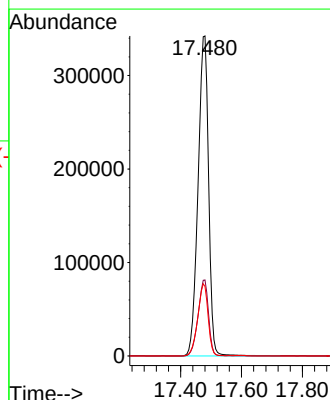
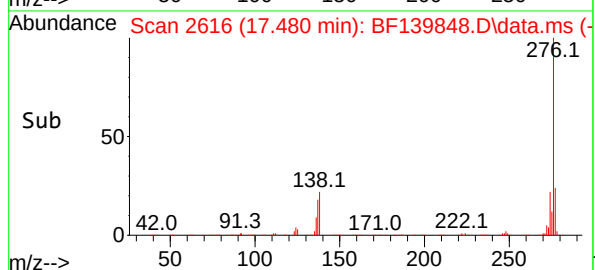
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 42.090 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



Tgt Ion:276 Resp: 823727
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139849.D
 Acq On : 18 Oct 2024 12:49
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 14:11:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	197235	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	739665	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	405194	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	694873	20.000	ng	0.00
76) Chrysene-d12	14.051	240	349496	20.000	ng	0.00
86) Perylene-d12	15.527	264	390757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1162820	92.295	ng	0.00
7) Phenol-d6	6.510	99	1517079	92.972	ng	0.00
23) Nitrobenzene-d5	7.457	82	1310450	98.193	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	362330	95.600	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2204460	89.915	ng	0.00
79) Terphenyl-d14	12.998	244	2015874	93.988	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	281572	47.933	ng	99
3) Pyridine	3.446	79	683175	46.920	ng	99
4) n-Nitrosodimethylamine	3.404	42	385387	49.264	ng	97
6) Aniline	6.557	93	725204	47.686	ng	98
8) 2-Chlorophenol	6.675	128	597810	46.414	ng	98
9) Benzaldehyde	6.439	77	430623	46.911	ng	100
10) Phenol	6.528	94	780406m	45.569	ng	
11) bis(2-Chloroethyl)ether	6.628	93	617014	47.453	ng	99
12) 1,3-Dichlorobenzene	6.834	146	686600	46.439	ng	99
13) 1,4-Dichlorobenzene	6.910	146	686616	46.483	ng	99
14) 1,2-Dichlorobenzene	7.063	146	627851	45.543	ng	99
15) Benzyl Alcohol	7.028	79	569012	47.538	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1043921	47.084	ng	100
17) 2-Methylphenol	7.134	107	519035	47.259	ng	99
18) Hexachloroethane	7.404	117	250100	47.480	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	454173	45.892	ng	99
20) 3+4-Methylphenols	7.292	107	645650	45.961	ng	# 88
22) Acetophenone	7.304	105	835908	46.140	ng	97
24) Nitrobenzene	7.475	77	707970	48.385	ng	100
25) Isophorone	7.710	82	1205277	47.583	ng	99
26) 2-Nitrophenol	7.786	139	292634	53.013	ng	99
27) 2,4-Dimethylphenol	7.822	122	439040	47.699	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	728968	47.500	ng	100
29) 2,4-Dichlorophenol	8.028	162	502930	47.971	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	550757	47.476	ng	99
31) Naphthalene	8.198	128	1770616	46.415	ng	100
32) Benzoic acid	7.933	122	426532	53.131	ng	100
33) 4-Chloroaniline	8.245	127	613822	47.189	ng	99
34) Hexachlorobutadiene	8.316	225	343002	47.058	ng	100
35) Caprolactam	8.616	113	162260	48.675	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	553487	47.678	ng	99
37) 2-Methylnaphthalene	8.886	142	1085491	46.462	ng	99
38) 1-Methylnaphthalene	8.986	142	1052879	45.933	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	518960	47.474	ng	99
41) Hexachlorocyclopentadiene	9.039	237	188234	49.488	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	367373	47.468	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139849.D
 Acq On : 18 Oct 2024 12:49
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	385963	48.336	ng	98
46) 1,1'-Biphenyl	9.351	154	1301562	46.143	ng	99
47) 2-Chloronaphthalene	9.375	162	1061417	46.720	ng	99
48) 2-Nitroaniline	9.469	65	358283	51.564	ng	97
49) Acenaphthylene	9.792	152	1526583	46.479	ng	99
50) Dimethylphthalate	9.651	163	1187472	47.050	ng	99
51) 2,6-Dinitrotoluene	9.710	165	277023	50.693	ng	99
52) Acenaphthene	9.963	154	989603	46.576	ng	100
53) 3-Nitroaniline	9.880	138	279467	49.591	ng	100
54) 2,4-Dinitrophenol	9.980	184	102786	48.105	ng	# 18
55) Dibenzofuran	10.133	168	1407211	46.162	ng	99
56) 4-Nitrophenol	10.022	139	221410	51.068	ng	97
57) 2,4-Dinitrotoluene	10.110	165	348628	51.878	ng	97
58) Fluorene	10.480	166	1042268	44.889	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	300306	47.975	ng	99
60) Diethylphthalate	10.351	149	1180411	47.634	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	532654	45.427	ng	98
62) 4-Nitroaniline	10.492	138	266320	50.037	ng	99
63) Azobenzene	10.633	77	1231644	46.881	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	156461	55.202	ng	94
66) n-Nitrosodiphenylamine	10.586	169	987295	47.472	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	341790	47.746	ng	97
68) Hexachlorobenzene	11.027	284	376968	46.823	ng	98
69) Atrazine	11.110	200	234998	41.713	ng	99
70) Pentachlorophenol	11.216	266	252064	51.587	ng	98
71) Phenanthrene	11.439	178	1500010	45.700	ng	99
72) Anthracene	11.492	178	1478655	46.172	ng	99
73) Carbazole	11.645	167	1348098	45.263	ng	99
74) Di-n-butylphthalate	11.974	149	1602928	46.583	ng	100
75) Fluoranthene	12.627	202	1462936	44.089	ng	99
77) Benzidine	12.745	184	240940	42.388	ng	99
78) Pyrene	12.857	202	1471893	48.113	ng	100
80) Butylbenzylphthalate	13.474	149	467242	50.944	ng	100
81) Benzo(a)anthracene	14.045	228	1107235	48.667	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	326706	49.251	ng	98
83) Chrysene	14.080	228	990517	47.484	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	541828	52.655	ng	100
85) Di-n-octyl phthalate	14.651	149	1033054	55.195	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1268552	50.463	ng	100
88) Benzo(b)fluoranthene	15.098	252	1079928	45.369	ng	100
89) Benzo(k)fluoranthene	15.127	252	1006425	49.026	ng	99
90) Benzo(a)pyrene	15.468	252	951346	48.573	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	1058119	50.456	ng	100
92) Benzo(g,h,i)perylene	17.480	276	1055618	50.394	ng	99

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

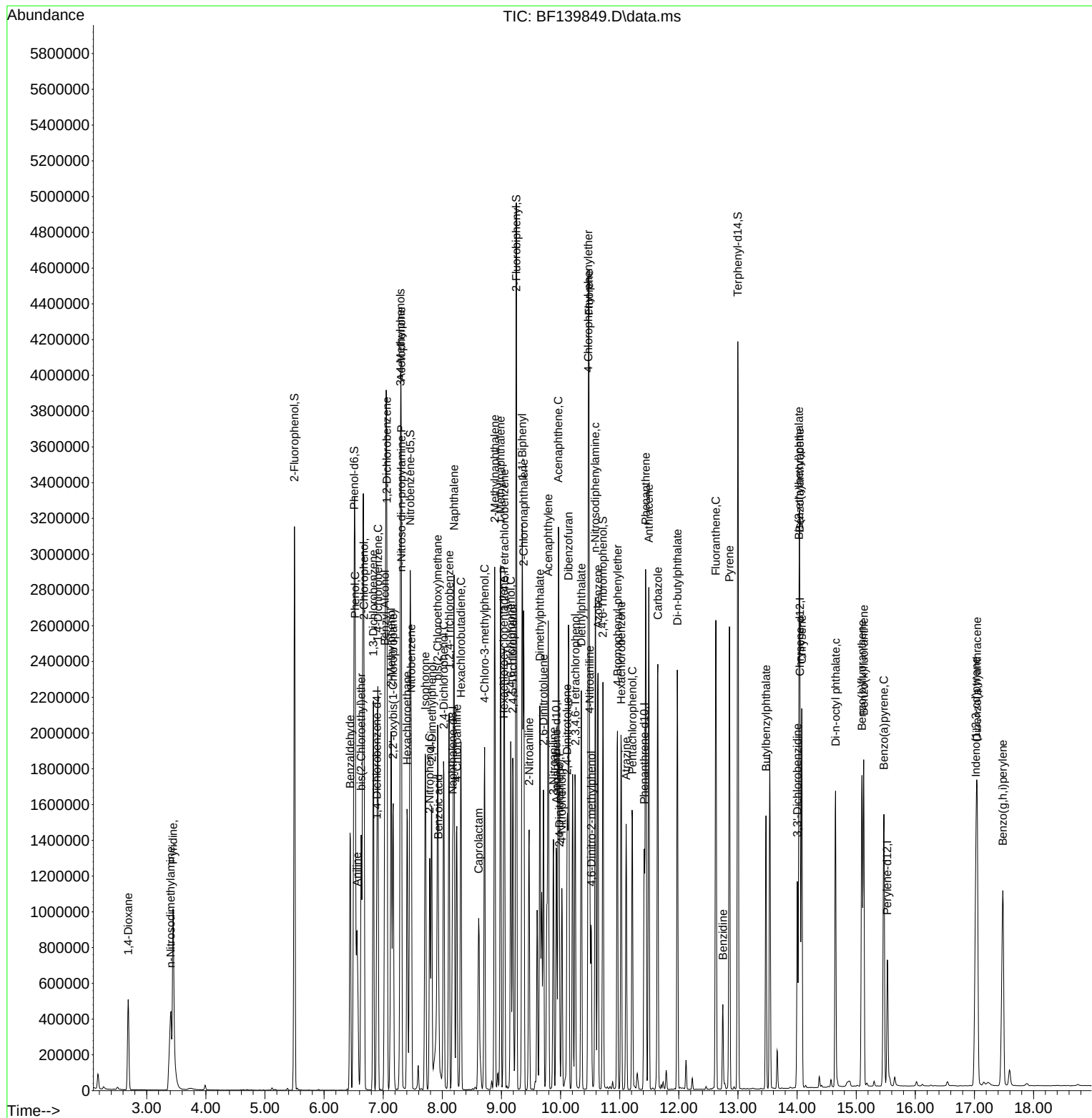
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139849.D
Acq On : 18 Oct 2024 12:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

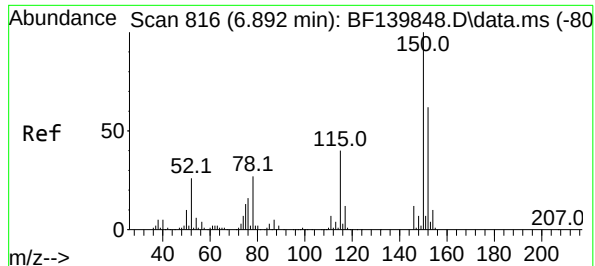
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

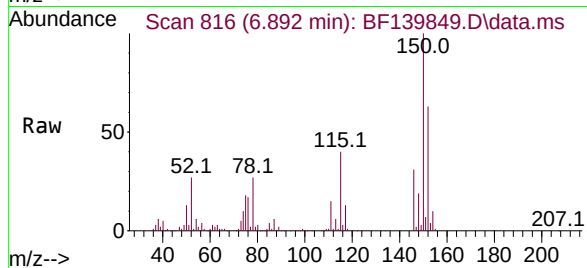
Quant Time: Oct 18 14:19:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

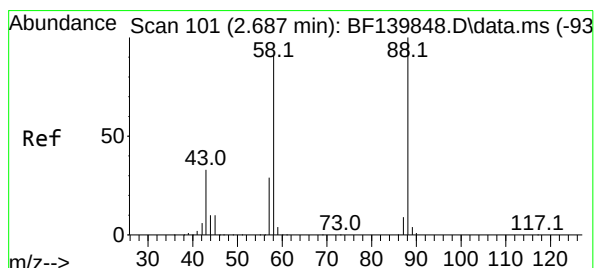
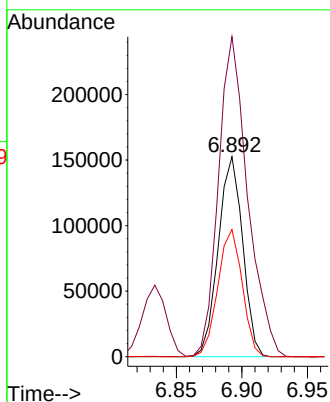
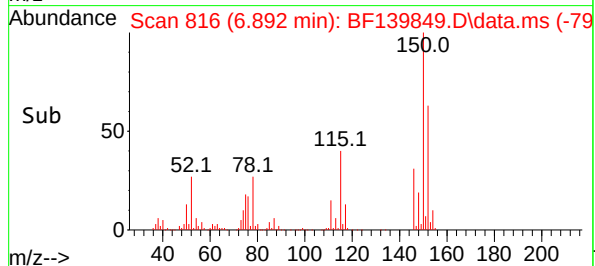
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 197235
Ion Ratio Lower Upper
152 100
150 160.0 130.2 195.2
115 63.6 51.4 77.2

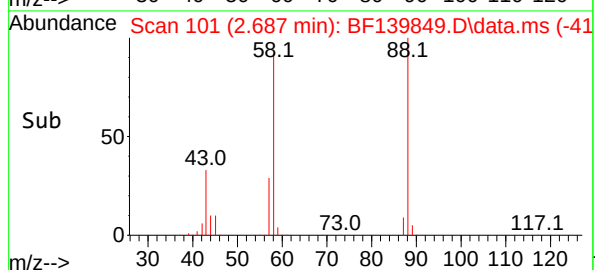
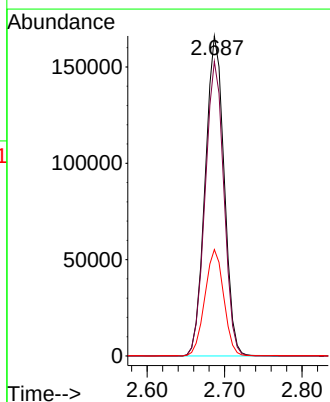
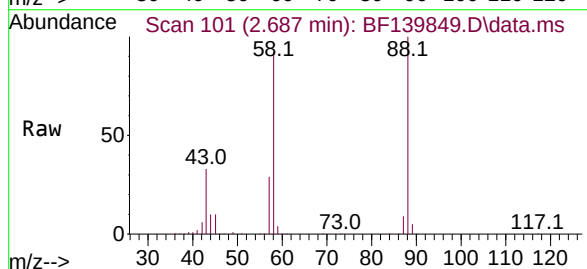
Manual Integrations
APPROVED

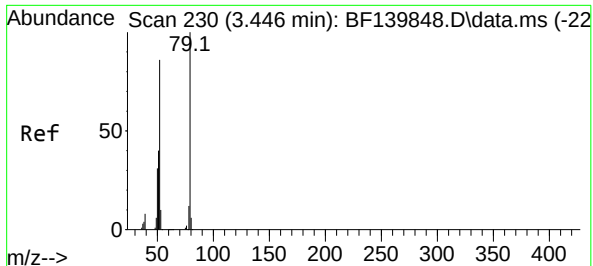
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 47.933 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 88 Resp: 281572
Ion Ratio Lower Upper
88 100
58 91.1 73.3 109.9
43 33.2 27.1 40.7





#3

Pyridine

Concen: 46.920 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 68317

Ion Ratio Lower Upper

79 100

52 86.6 68.5 102.7

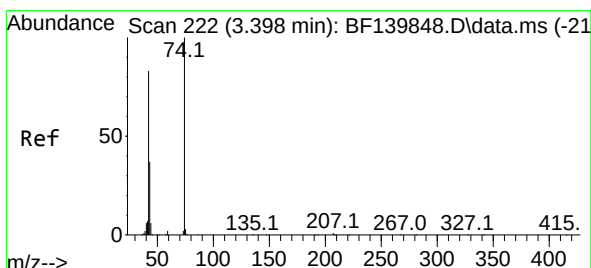
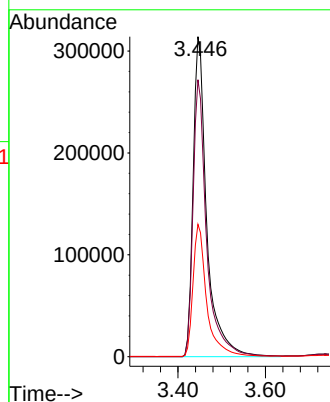
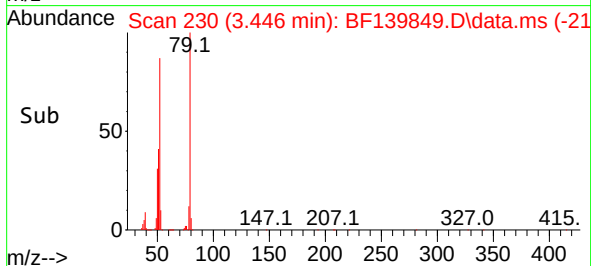
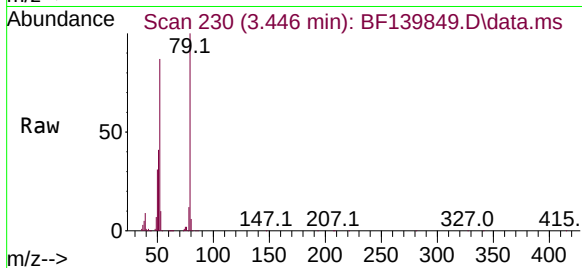
51 41.3 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 49.264 ng

RT: 3.404 min Scan# 223

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

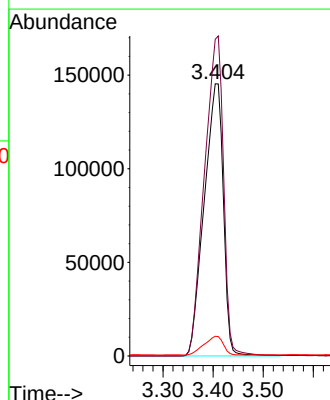
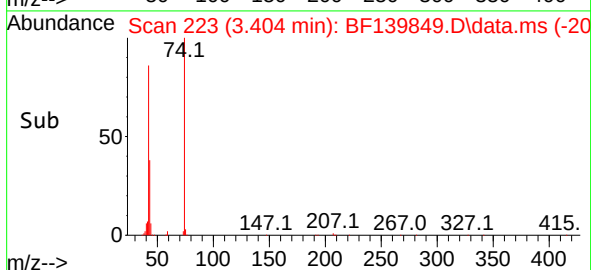
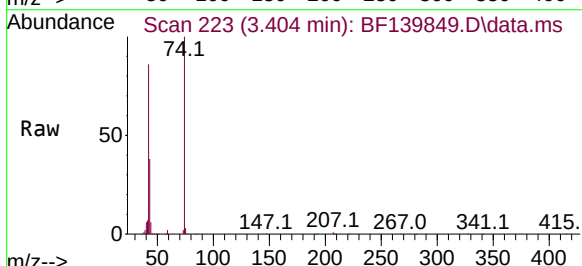
Tgt Ion: 42 Resp: 385387

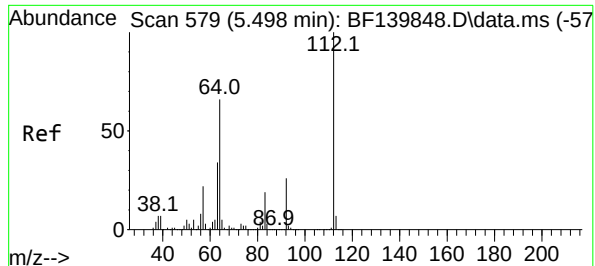
Ion Ratio Lower Upper

42 100

74 116.3 96.2 144.4

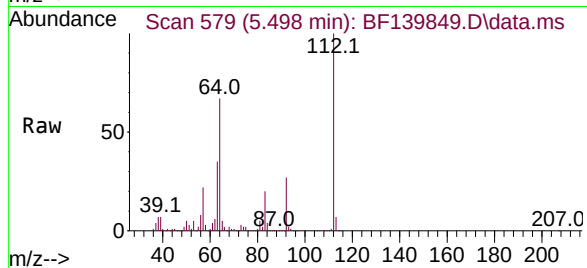
44 7.2 6.2 9.2





#5
2-Fluorophenol
Concen: 92.295 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

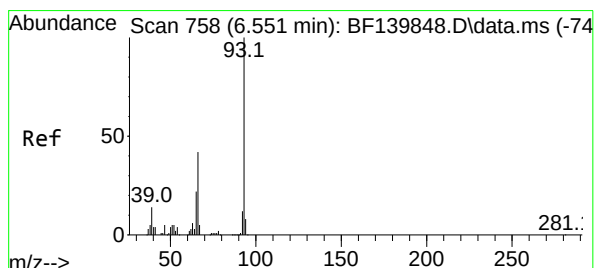
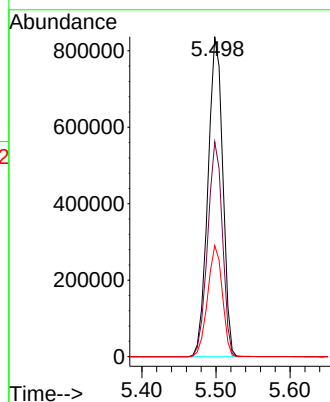
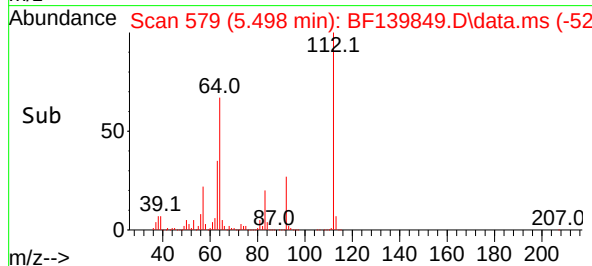
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 1162820
Ion Ratio Lower Upper
112 100
64 67.1 53.0 79.6
63 34.7 27.0 40.4

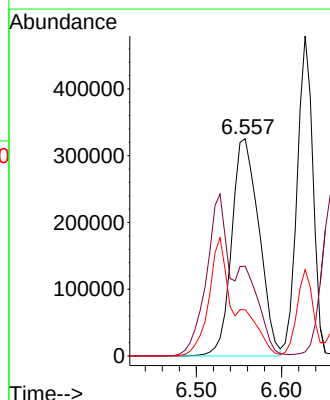
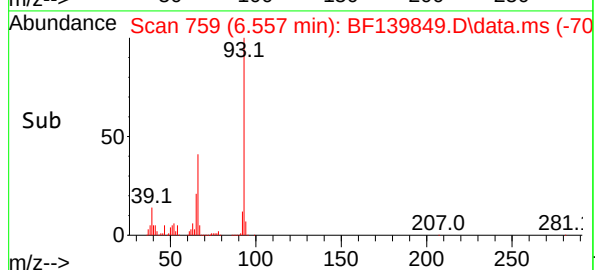
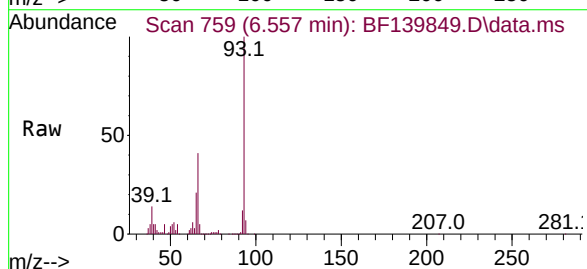
Manual Integrations
APPROVED

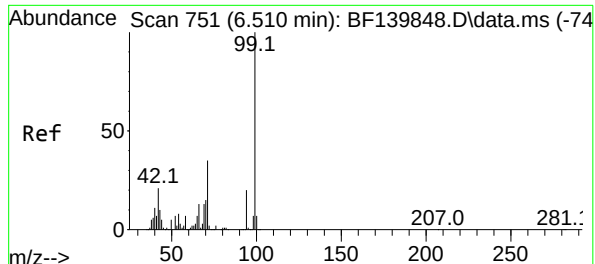
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 47.686 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

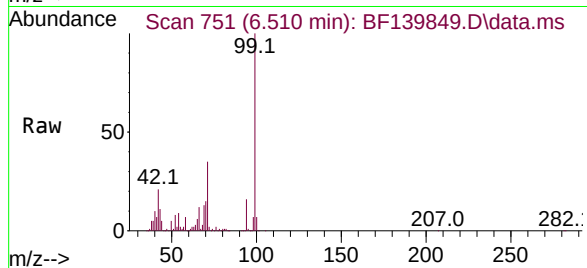
Tgt Ion: 93 Resp: 725204
Ion Ratio Lower Upper
93 100
66 41.3 34.0 51.0
65 21.3 17.4 26.0





#7
Phenol-d6
Concen: 92.972 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

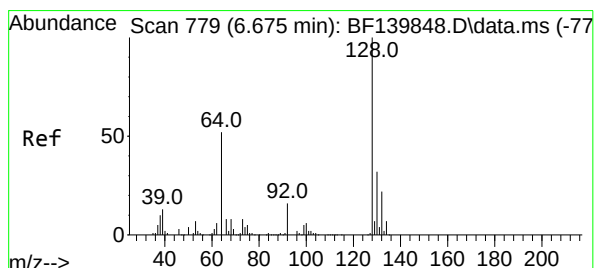
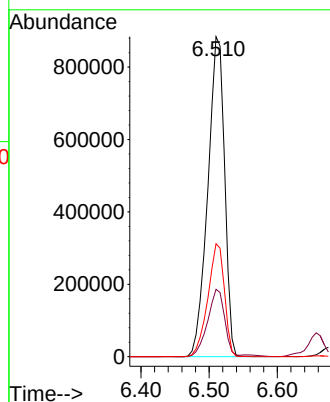
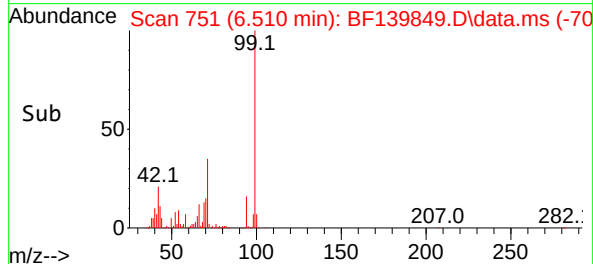
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 1517079
Ion Ratio Lower Upper
99 100
42 21.0 16.7 25.1
71 35.3 27.7 41.5

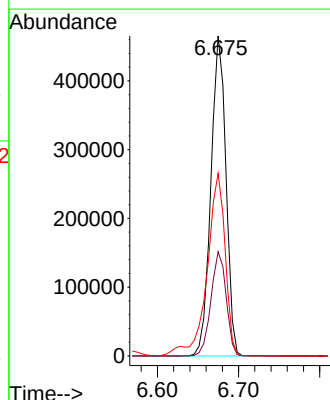
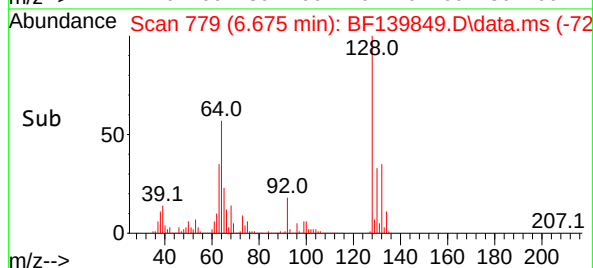
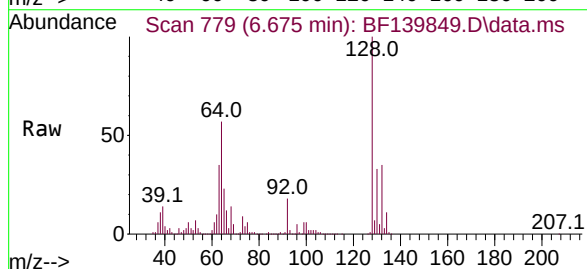
Manual Integrations
APPROVED

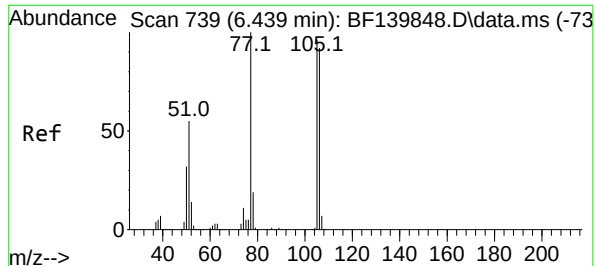
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 46.414 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

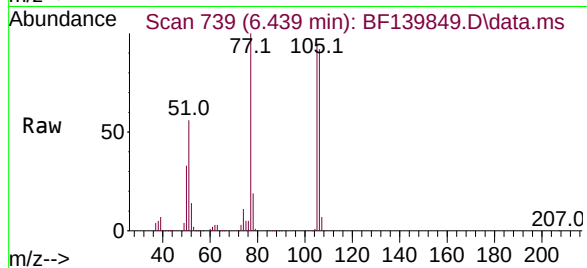
Tgt Ion:128 Resp: 597810
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 57.0 34.6 74.6





#9
Benzaldehyde
Concen: 46.911 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

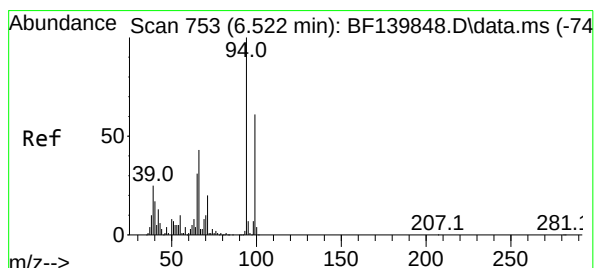
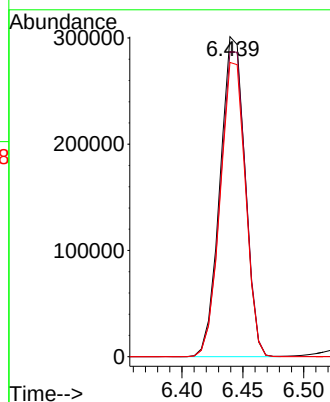
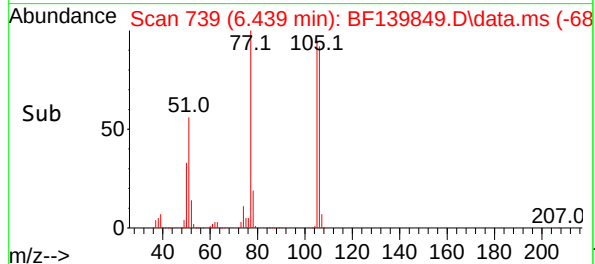
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 430623
Ion Ratio Lower Upper
77 100
105 95.2 75.5 115.5
106 92.0 71.7 111.7

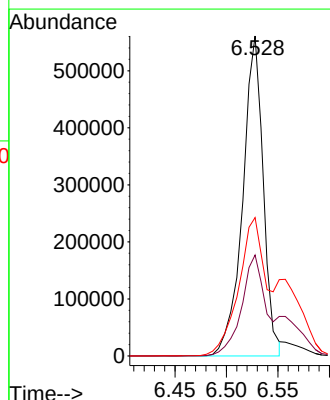
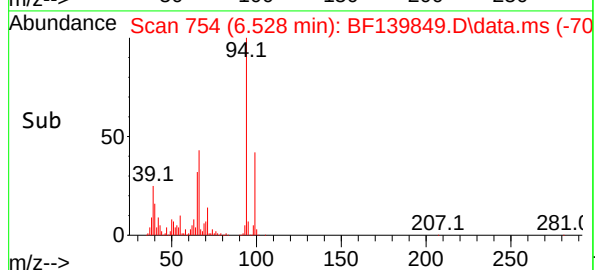
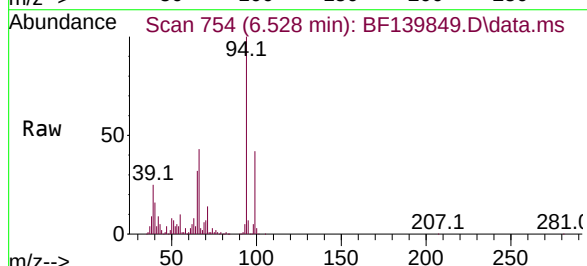
Manual Integrations
APPROVED

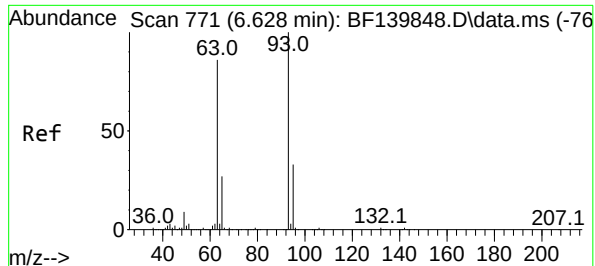
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#10
Phenol
Concen: 45.569 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

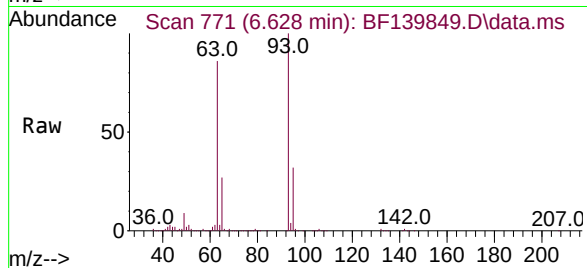
Tgt Ion: 94 Resp: 780406
Ion Ratio Lower Upper
94 100
65 31.6 11.1 51.1
66 43.3 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 47.453 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

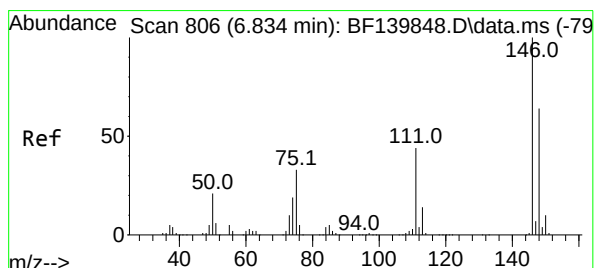
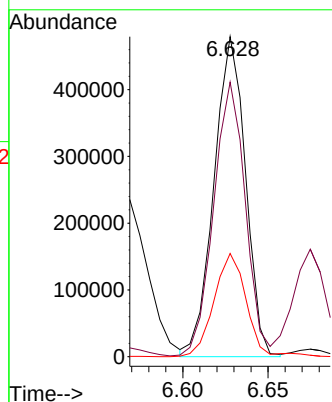
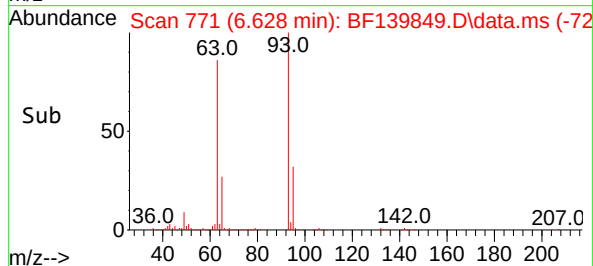
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 93 Resp: 617014
Ion Ratio Lower Upper
93 100
63 85.8 65.0 105.0
95 32.2 12.4 52.4

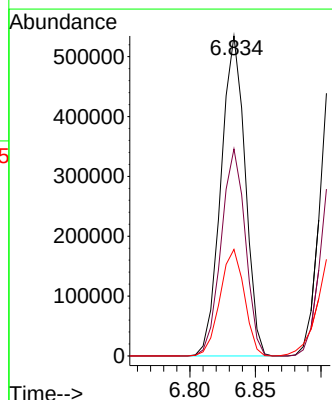
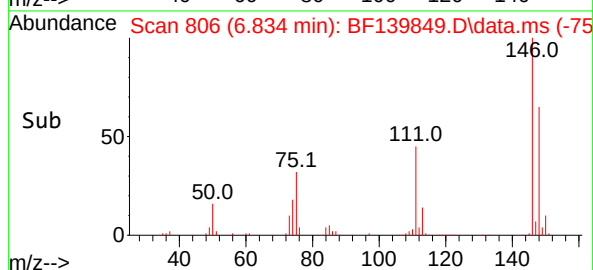
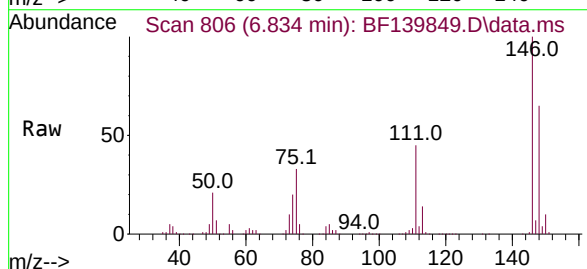
Manual Integrations
APPROVED

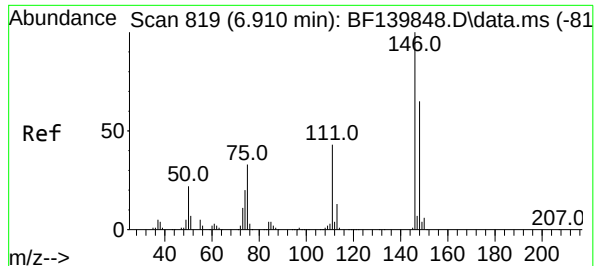
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#12
1,3-Dichlorobenzene
Concen: 46.439 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:146 Resp: 686600
Ion Ratio Lower Upper
146 100
148 64.7 51.0 76.4
75 33.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 46.483 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:146 Resp: 686610

Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.8

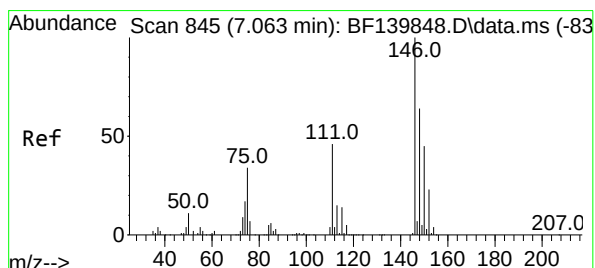
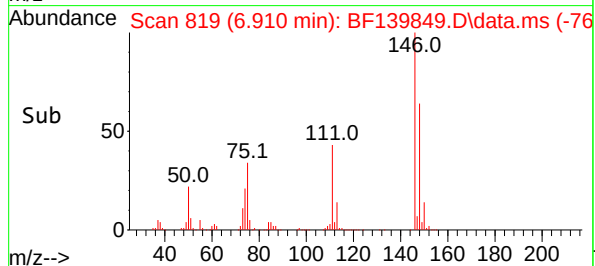
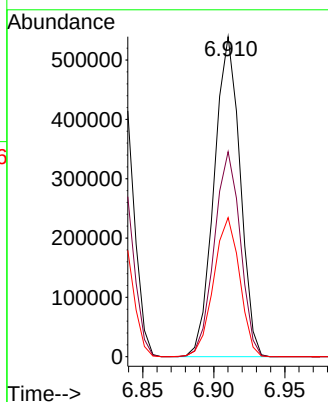
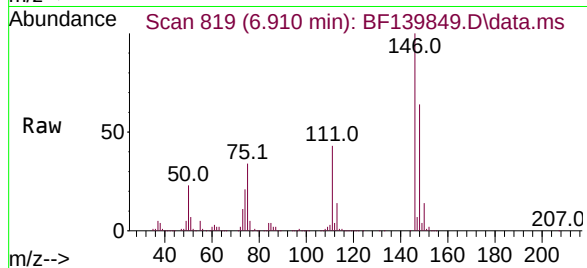
111 43.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 45.543 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

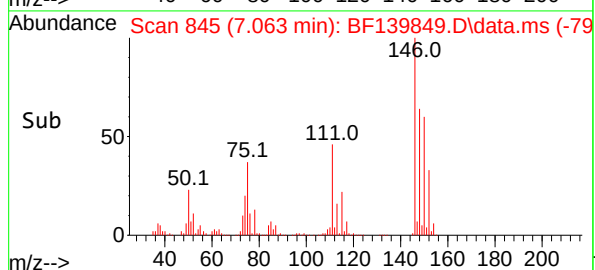
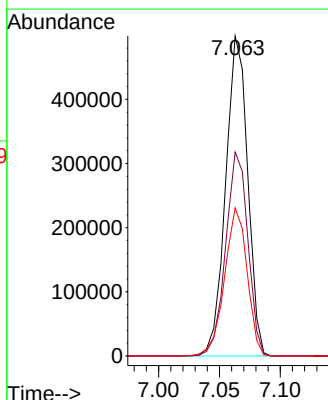
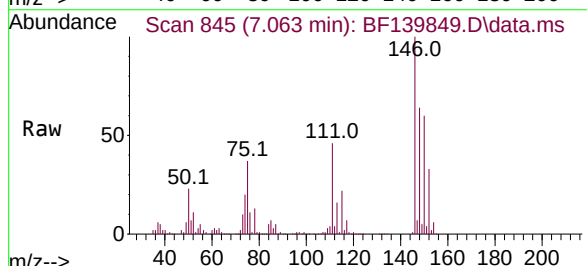
Tgt Ion:146 Resp: 627851

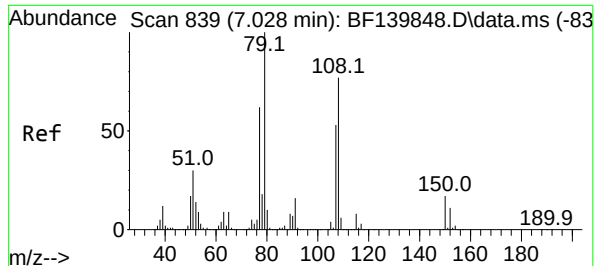
Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

111 46.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 47.538 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 569012

Ion Ratio Lower Upper

79 100

108 75.3 61.4 92.0

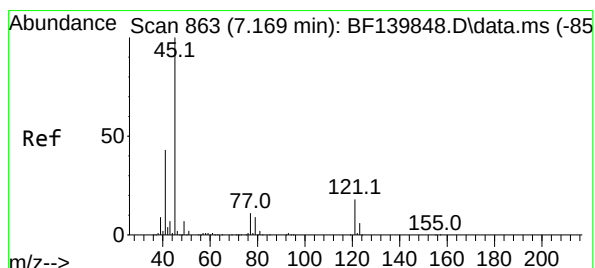
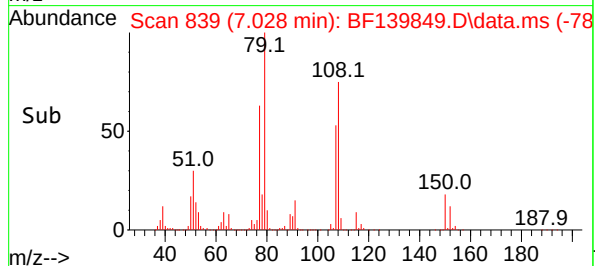
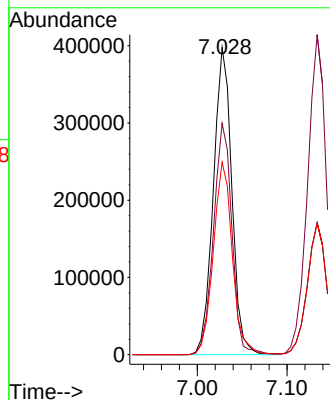
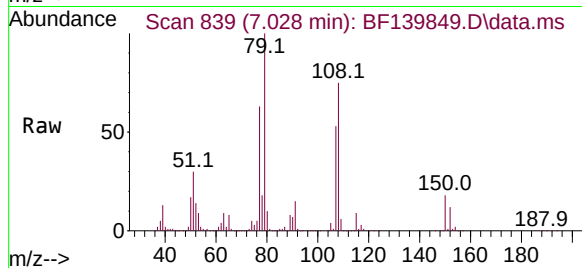
77 62.7 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.084 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

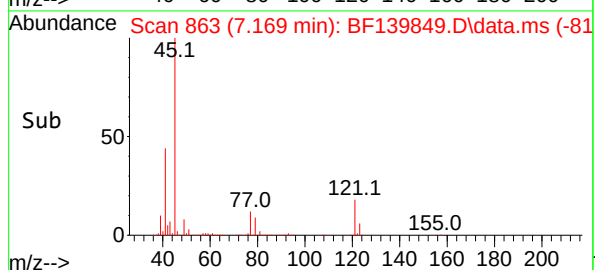
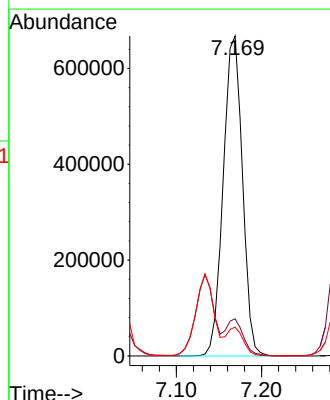
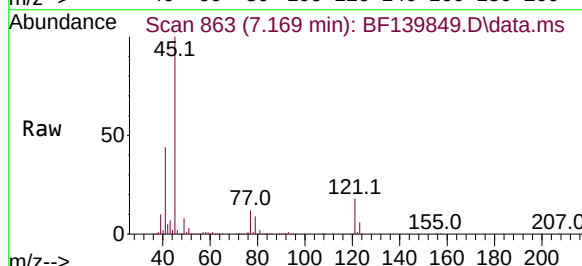
Tgt Ion: 45 Resp: 1043921

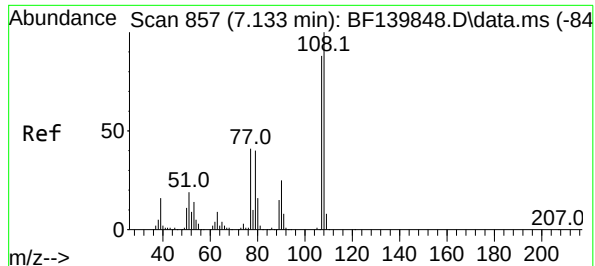
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.5

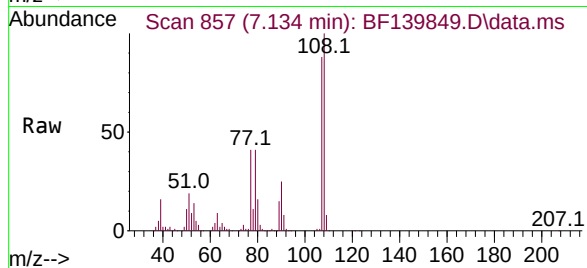
79 9.0 0.0 29.1





#17
2-Methylphenol
Concen: 47.259 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

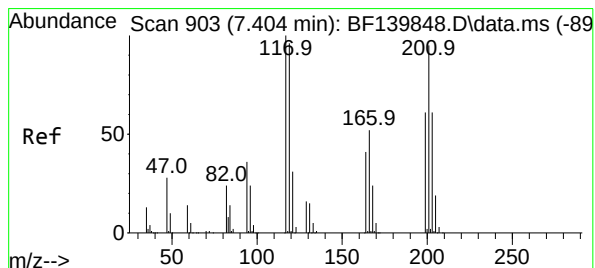
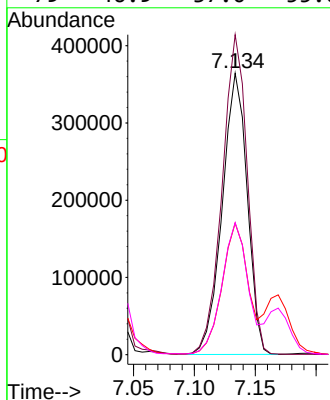
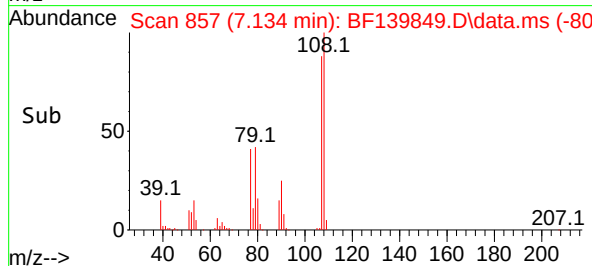
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 51903
Ion Ratio Lower Upper
107 100
108 113.7 91.3 136.9
77 46.7 37.1 55.7
79 46.9 37.0 55.6

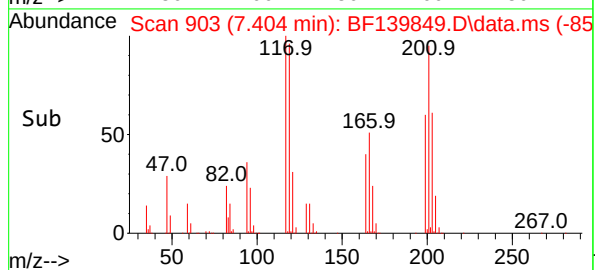
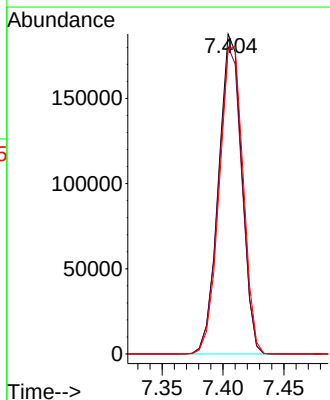
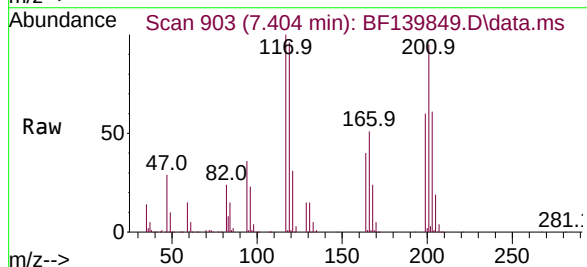
Manual Integrations
APPROVED

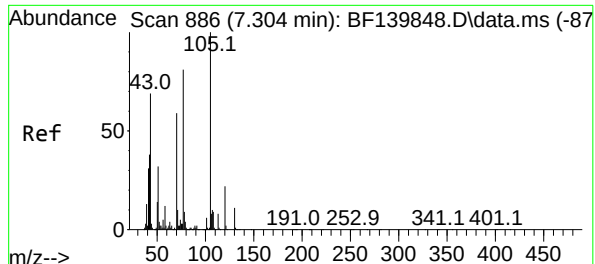
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 47.480 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:117 Resp: 250100
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
201 95.3 76.2 114.4





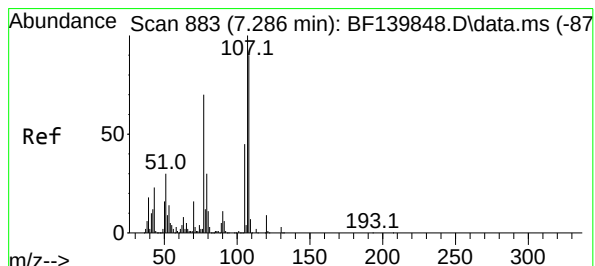
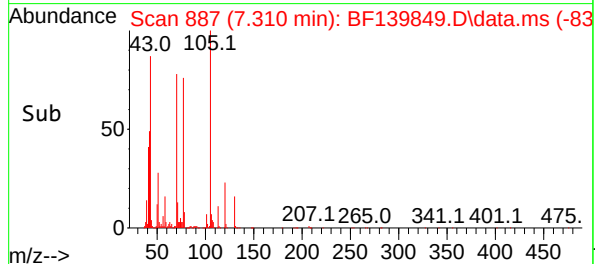
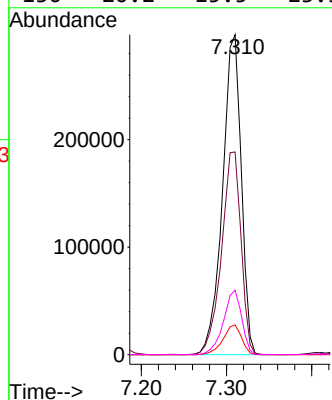
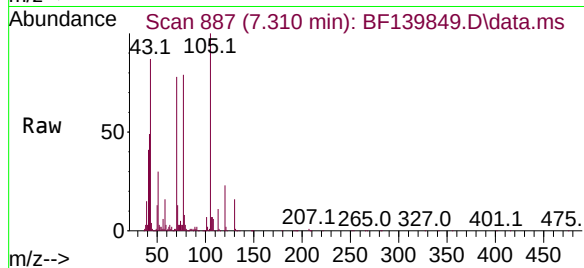
#19
n-Nitroso-di-n-propylamine
Concen: 45.892 ng
RT: 7.310 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 45417
Ion Ratio Lower Upper
70 100
42 63.4 51.5 77.3
101 9.3 7.5 11.3
130 20.2 15.5 23.3

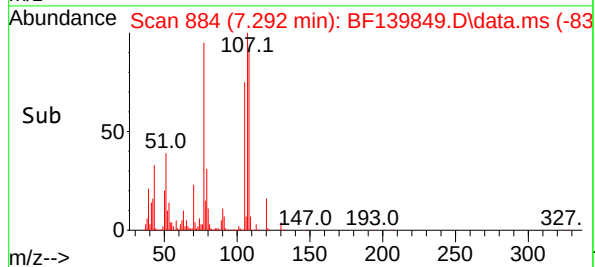
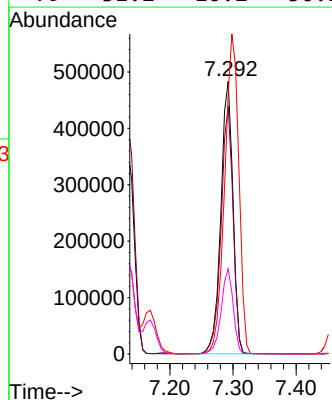
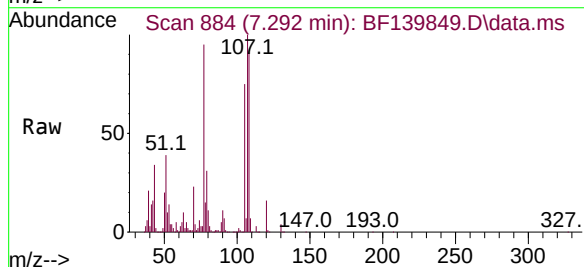
Manual Integrations
APPROVED

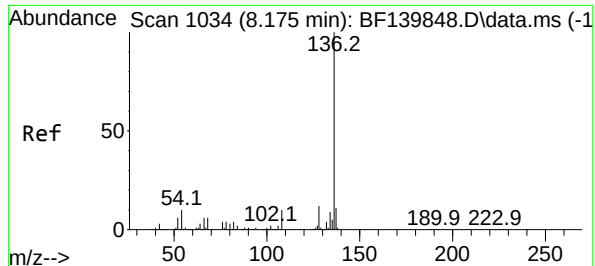
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#20
3+4-Methylphenols
Concen: 45.961 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 645650
Ion Ratio Lower Upper
107 100
108 90.8 69.8 109.8
77 95.4 50.5 90.5#
79 31.2 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 73966

Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 10.6 8.4 12.6

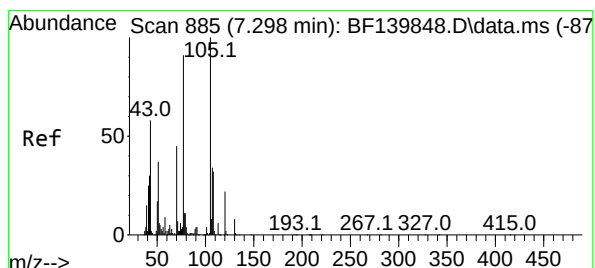
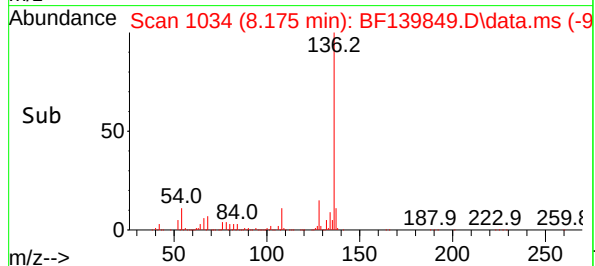
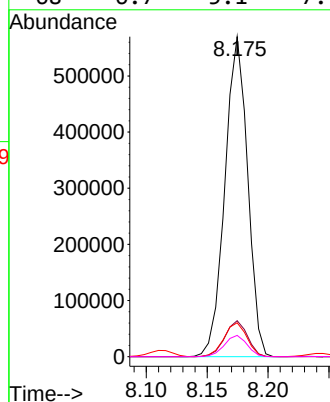
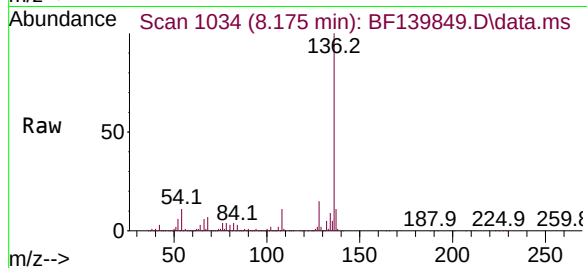
68 6.7 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#22

Acetophenone

Concen: 46.140 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Tgt Ion:105 Resp: 835908

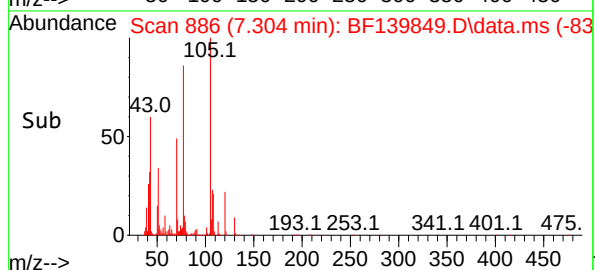
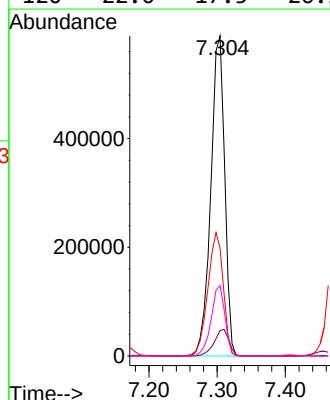
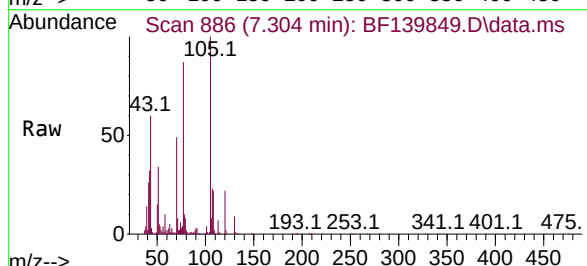
Ion Ratio Lower Upper

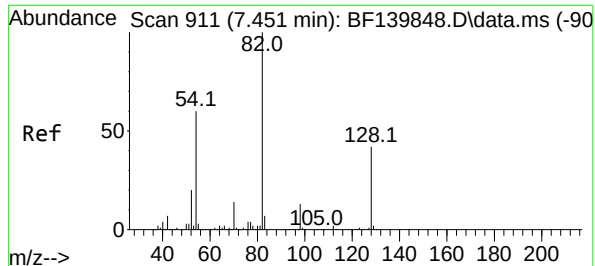
105 100

71 7.9 5.9 8.9

51 33.7 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 98.193 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1310450

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.0

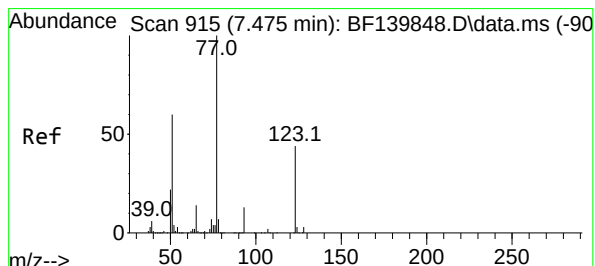
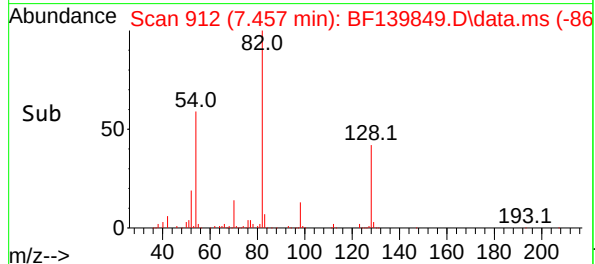
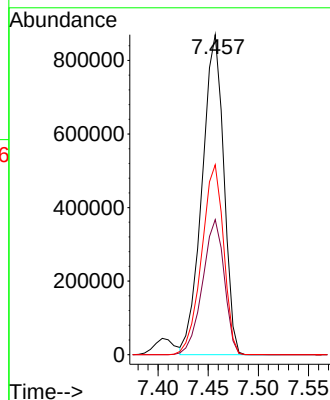
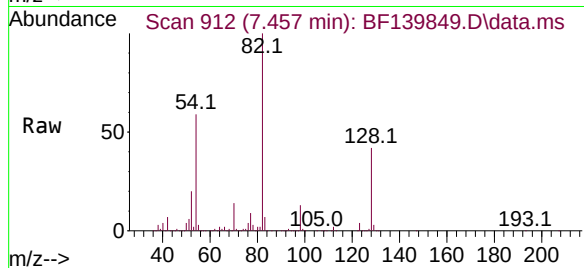
54 59.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 48.385 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

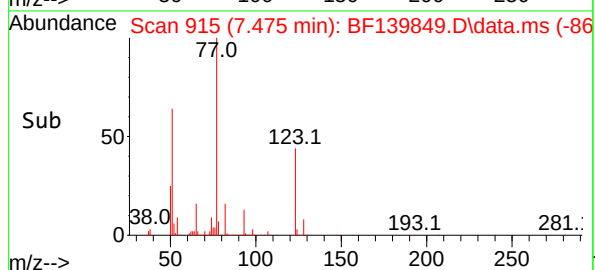
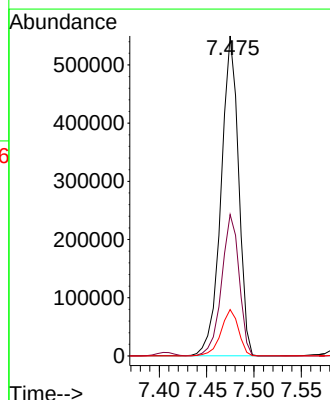
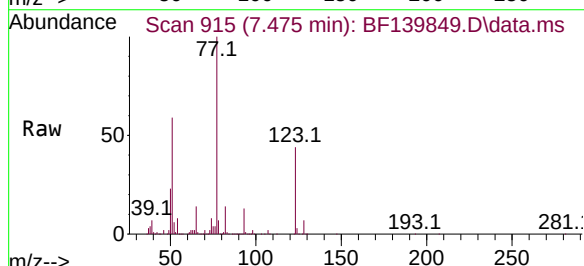
Tgt Ion: 77 Resp: 707970

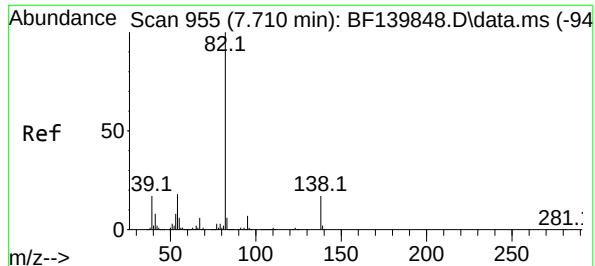
Ion Ratio Lower Upper

77 100

123 44.2 35.7 53.5

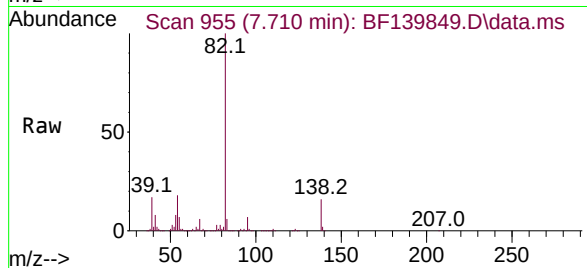
65 14.5 11.5 17.3





#25
Isophorone
Concen: 47.583 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

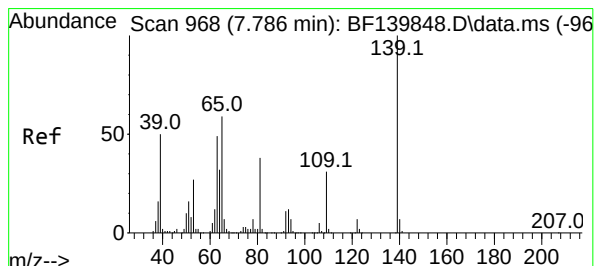
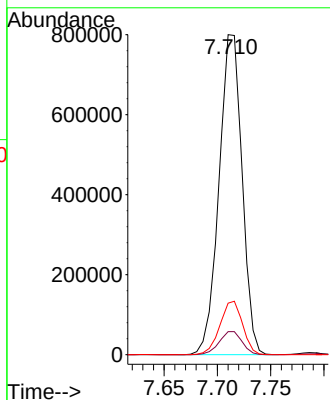
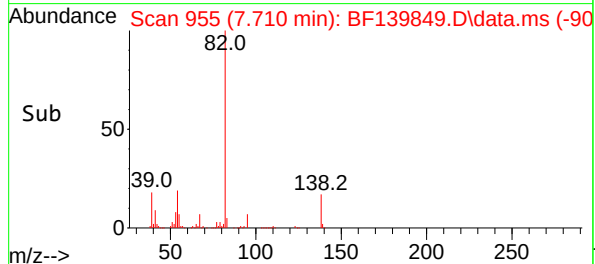
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 120527
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 16.1 13.2 19.8

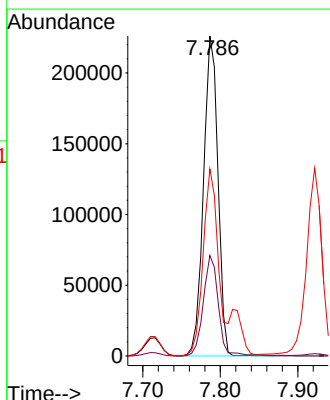
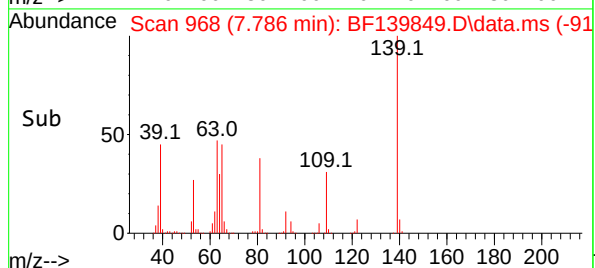
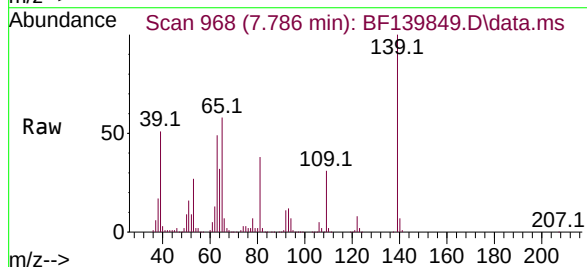
Manual Integrations
APPROVED

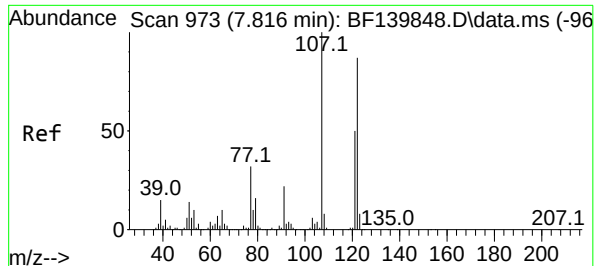
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#26
2-Nitrophenol
Concen: 53.013 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:139 Resp: 292634
Ion Ratio Lower Upper
139 100
109 31.4 25.1 37.7
65 58.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 47.699 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139849.D

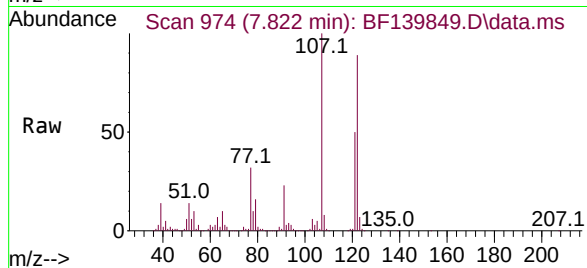
Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 439040

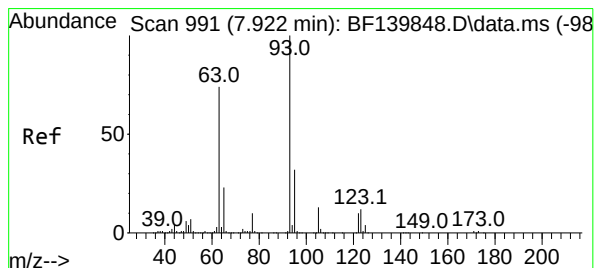
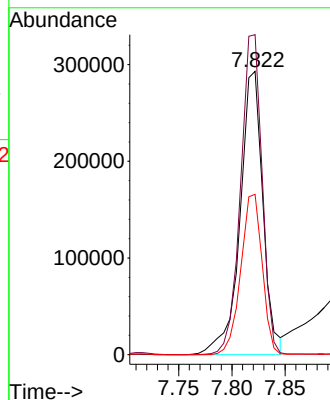
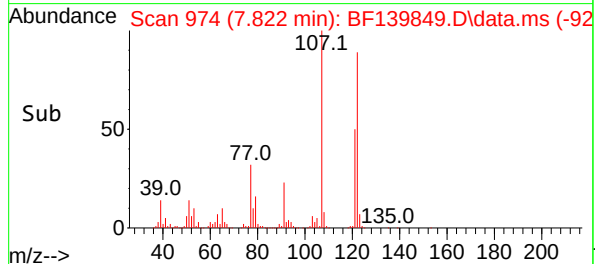
Ion	Ratio	Lower	Upper
122	100		
107	113.0	91.9	137.9
121	56.6	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

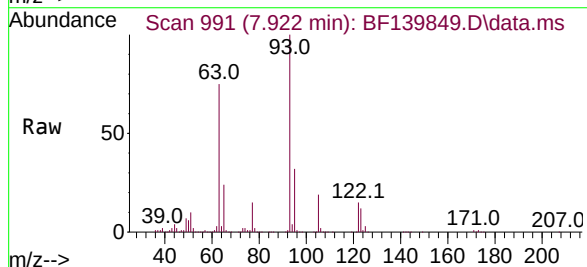
Concen: 47.500 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

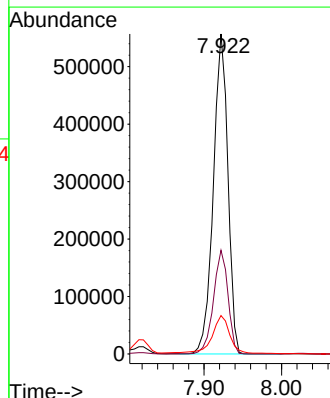
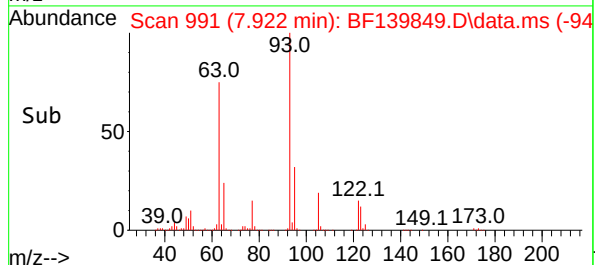
Lab File: BF139849.D

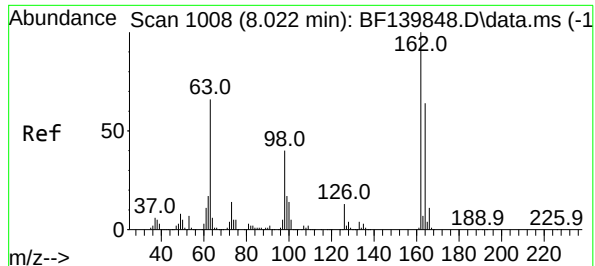
Acq: 18 Oct 2024 12:49



Tgt Ion: 93 Resp: 728968

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.0	9.8	14.8





#29

2,4-Dichlorophenol

Concen: 47.971 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 502930

Ion Ratio Lower Upper

162 100

164 65.3 43.9 83.9

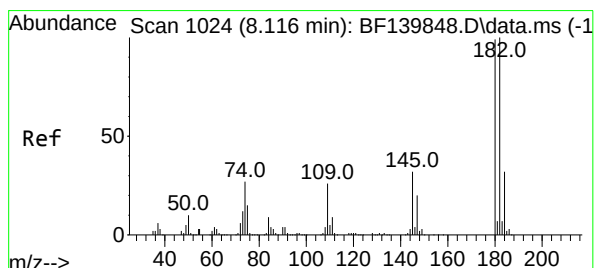
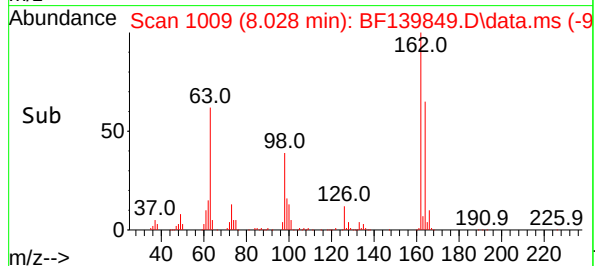
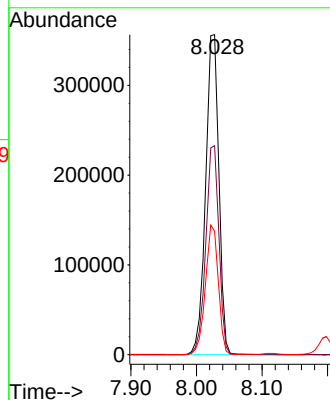
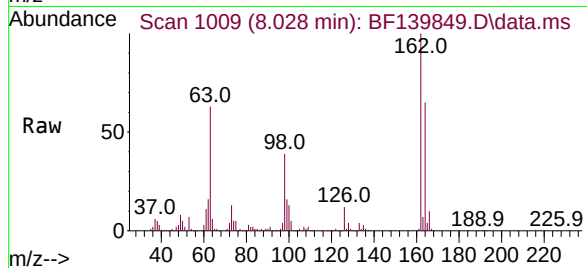
98 38.6 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 47.476 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

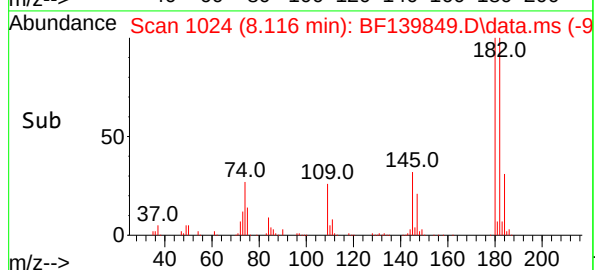
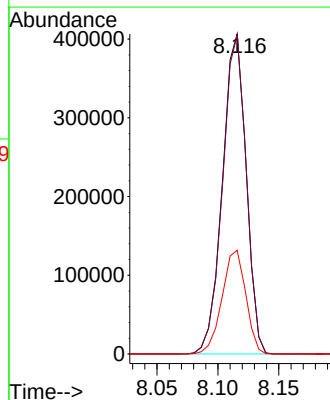
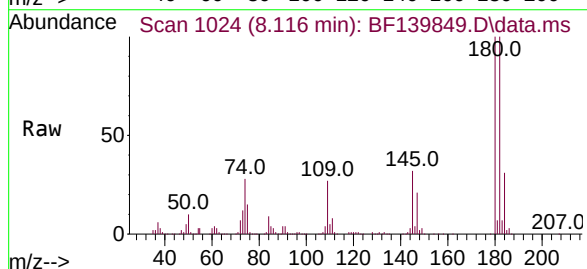
Tgt Ion:180 Resp: 550757

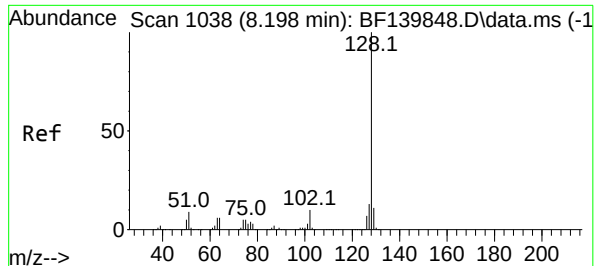
Ion Ratio Lower Upper

180 100

182 99.7 80.5 120.7

145 32.4 25.4 38.0





#31

Naphthalene

Concen: 46.415 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:128 Resp: 1770610

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

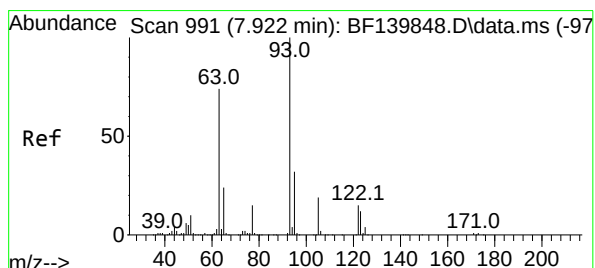
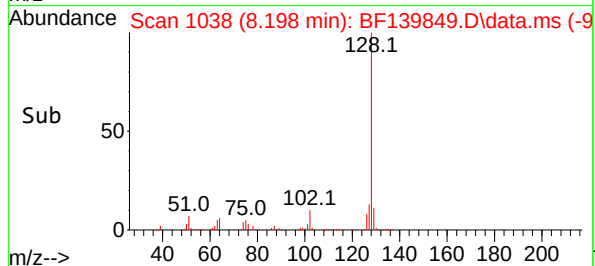
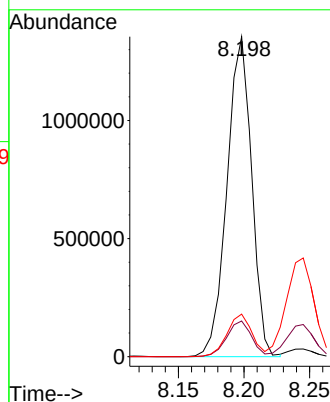
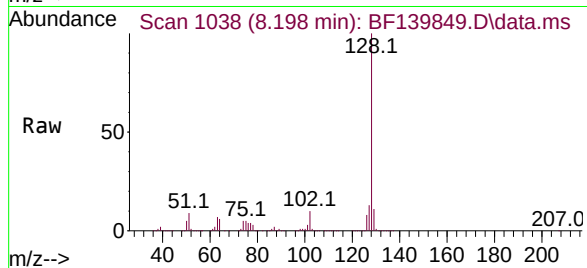
127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 53.131 ng

RT: 7.933 min Scan# 993

Delta R.T. 0.011 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

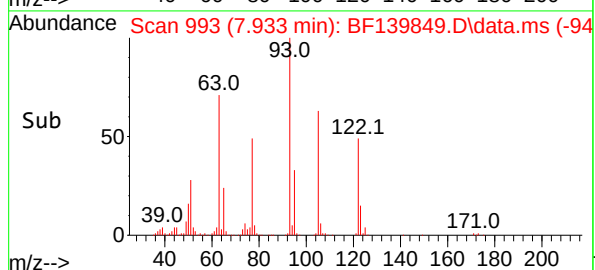
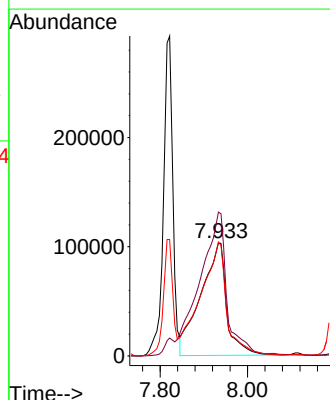
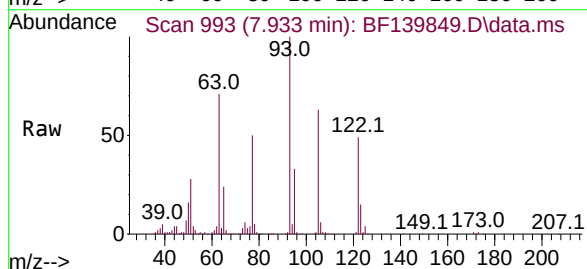
Tgt Ion:122 Resp: 426532

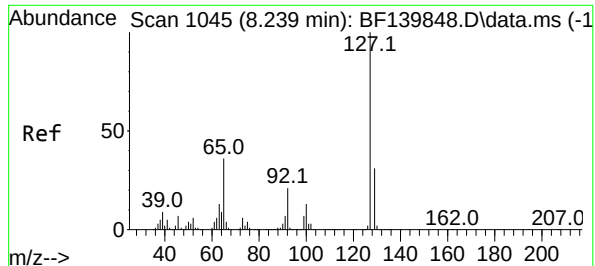
Ion Ratio Lower Upper

122 100

105 127.2 107.6 147.6

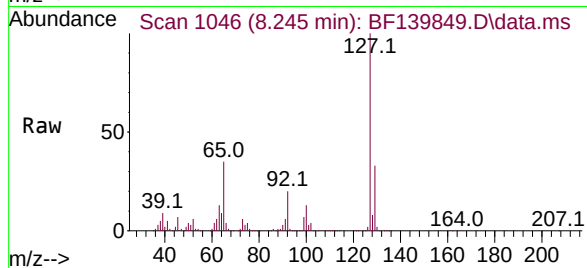
77 100.6 80.2 120.2





#33
4-Chloroaniline
Concen: 47.189 ng
RT: 8.245 min Scan# 1045
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

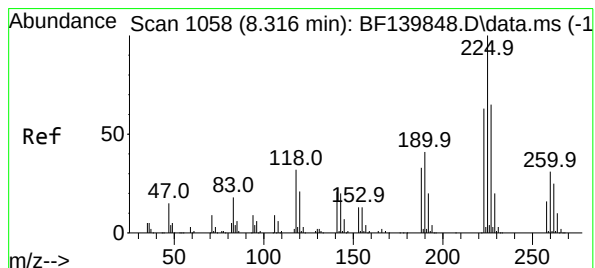
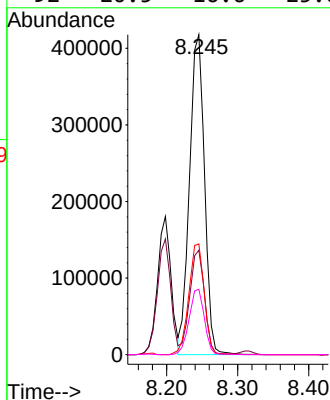
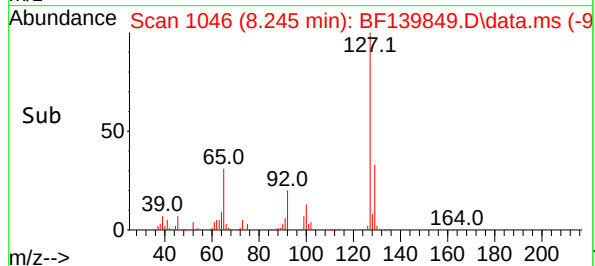
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 61382
Ion Ratio Lower Upper
127 100
129 32.7 25.4 38.2
65 34.6 28.4 42.6
92 20.5 16.6 25.0

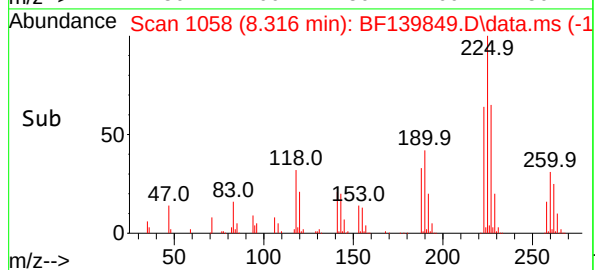
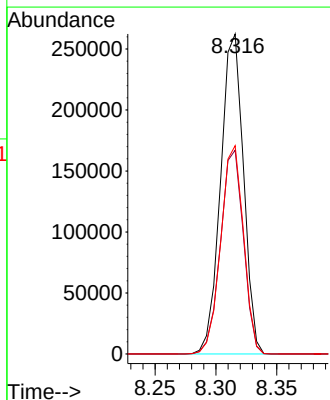
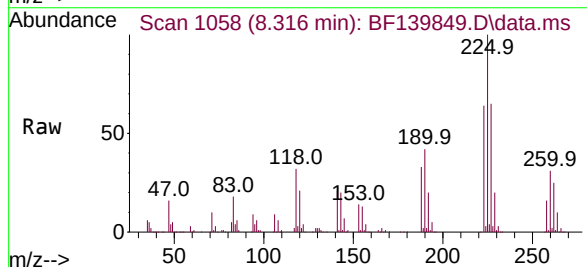
Manual Integrations
APPROVED

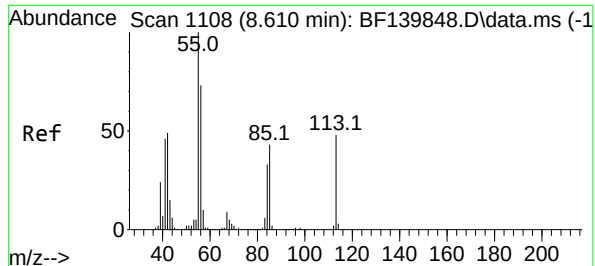
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 47.058 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:225 Resp: 343002
Ion Ratio Lower Upper
225 100
223 63.7 50.6 76.0
227 65.1 51.8 77.8





#35

Caprolactam

Concen: 48.675 ng

RT: 8.616 min Scan# 1108

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:113 Resp: 162260

Ion Ratio Lower Upper

113 100

55 208.2 189.2 229.2

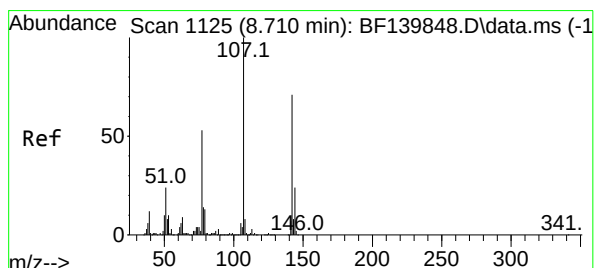
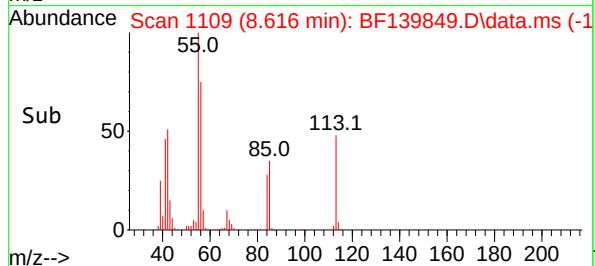
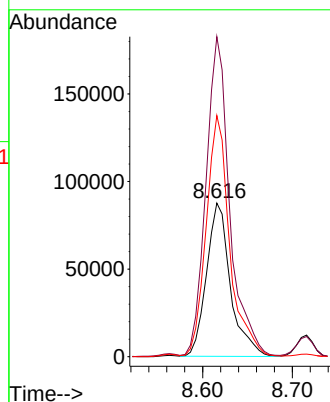
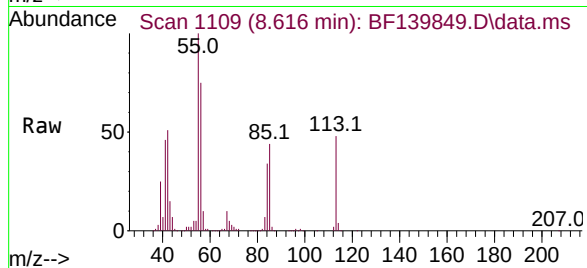
56 157.0 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#36

4-Chloro-3-methylphenol

Concen: 47.678 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

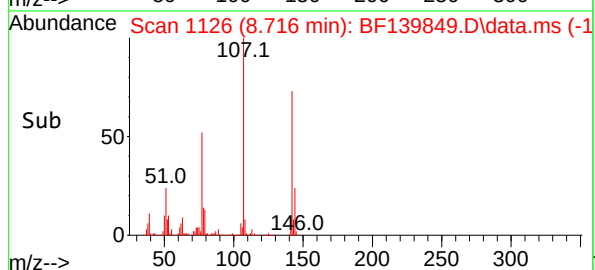
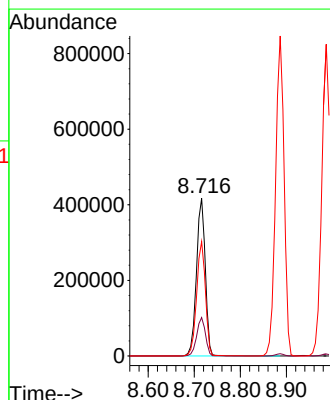
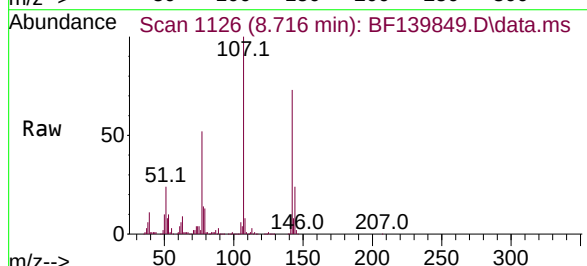
Tgt Ion:107 Resp: 553487

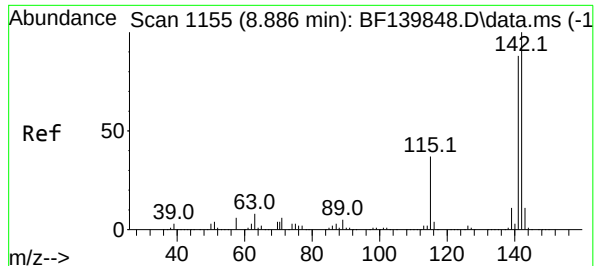
Ion Ratio Lower Upper

107 100

144 24.3 19.1 28.7

142 72.6 57.2 85.8





#37

2-Methylnaphthalene

Concen: 46.462 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 108549

Ion Ratio Lower Upper

142 100

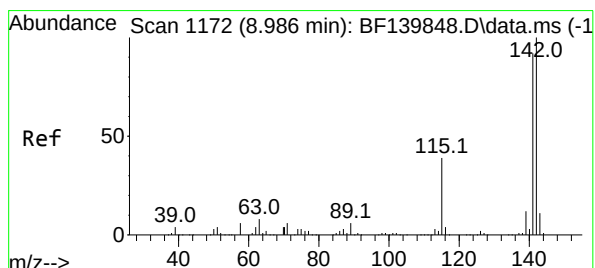
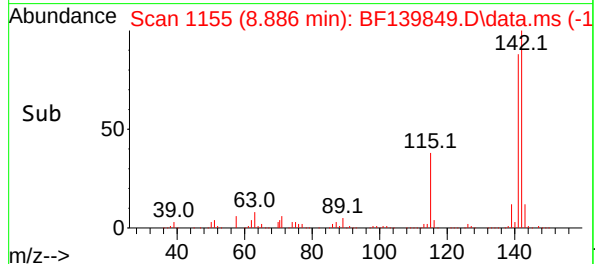
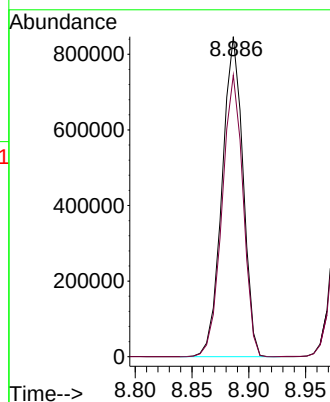
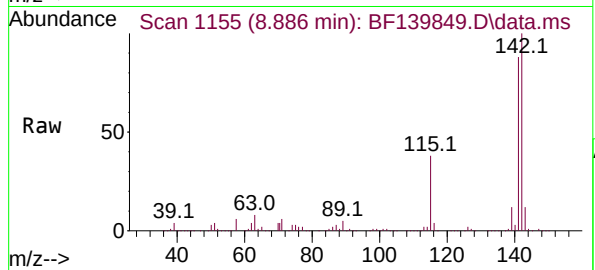
141 88.0 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 45.933 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139849.D

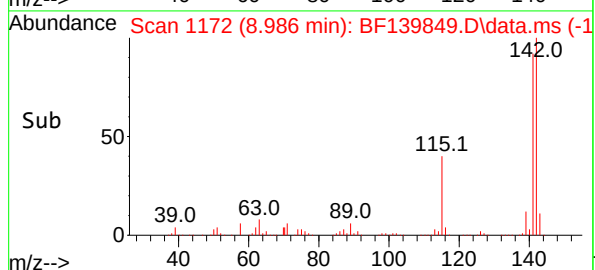
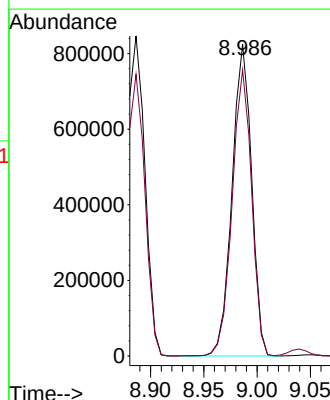
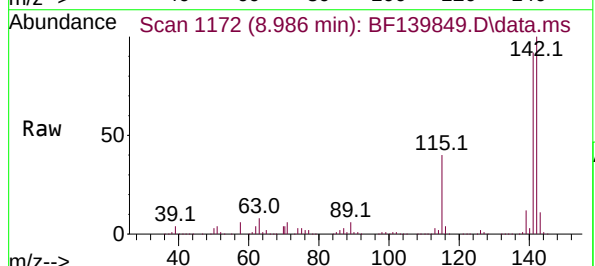
Acq: 18 Oct 2024 12:49

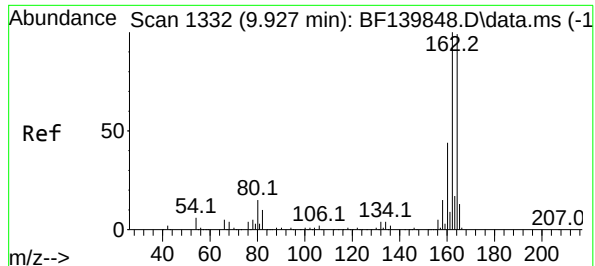
Tgt Ion:142 Resp: 1052879

Ion Ratio Lower Upper

142 100

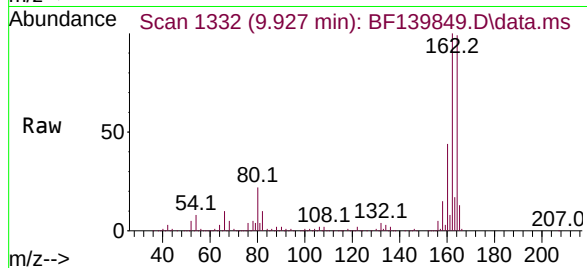
141 91.8 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1132
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

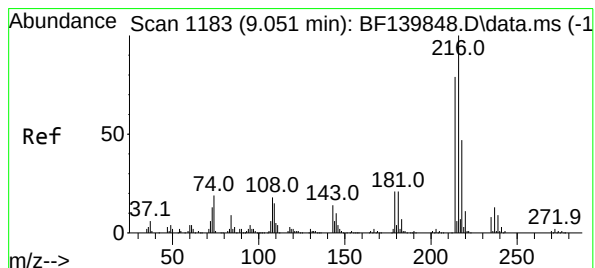
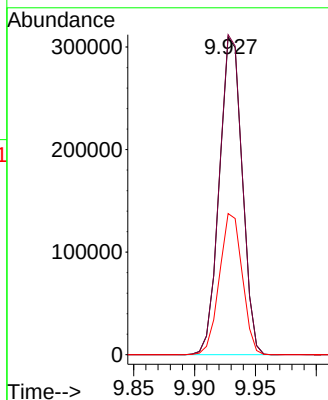
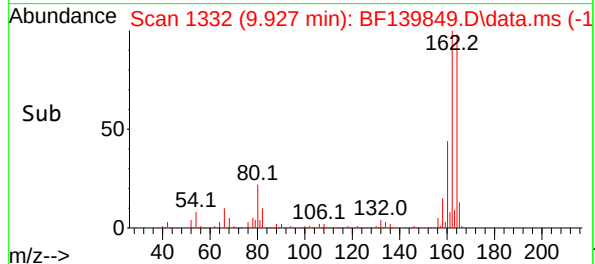
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:164 Resp: 405194
Ion Ratio Lower Upper
164 100
162 100.7 81.0 121.4
160 44.4 35.4 53.0

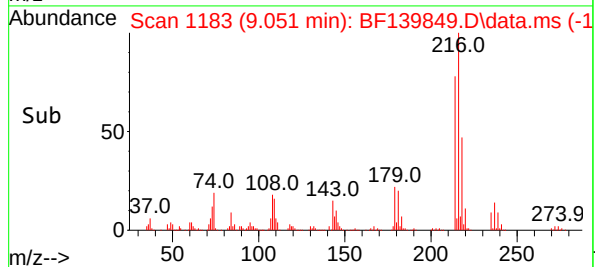
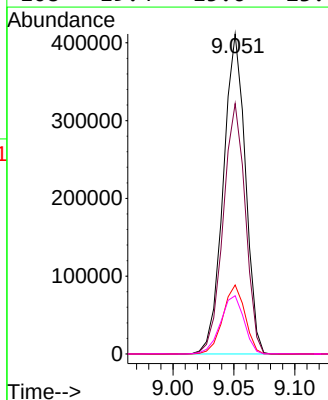
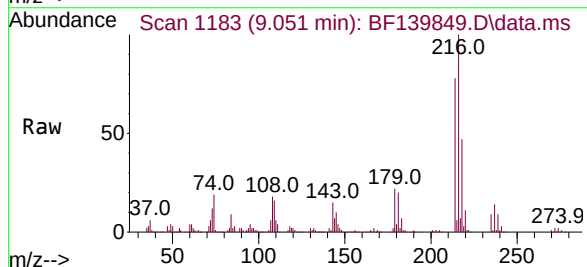
Manual Integrations
APPROVED

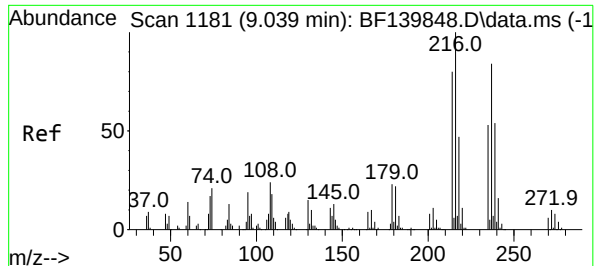
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.474 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:216 Resp: 518960
Ion Ratio Lower Upper
216 100
214 78.3 63.4 95.0
179 21.5 17.2 25.8
108 19.4 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 49.488 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

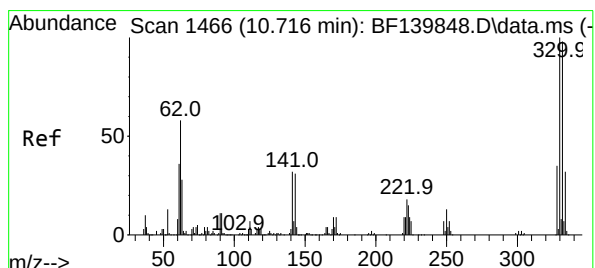
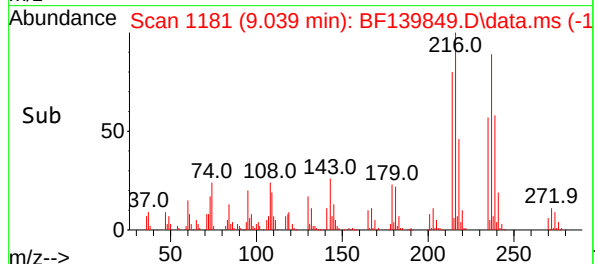
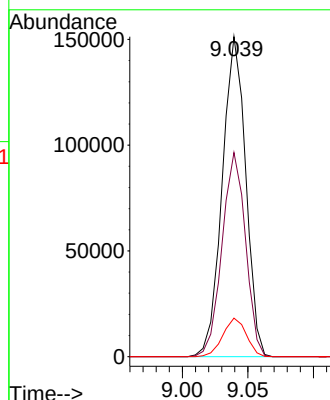
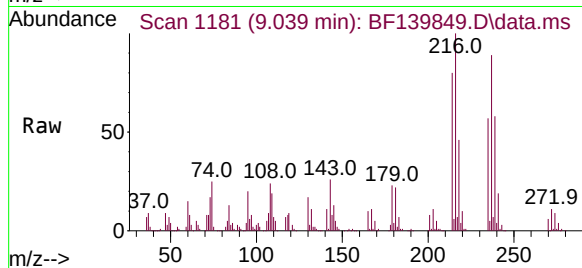
ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 188234
Ion Ratio Lower Upper
237 100
235 63.8 42.9 82.9
272 12.0 0.0 32.3

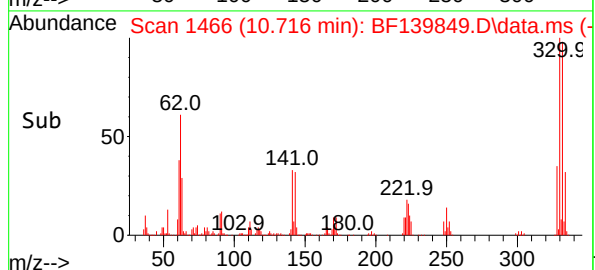
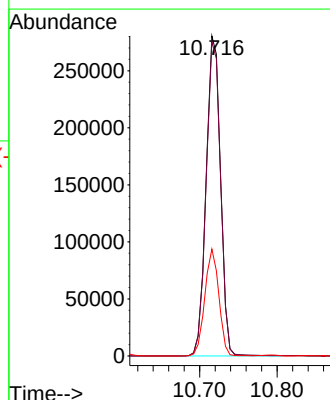
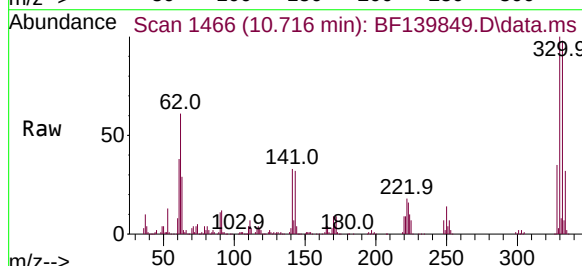
Manual Integrations
APPROVED

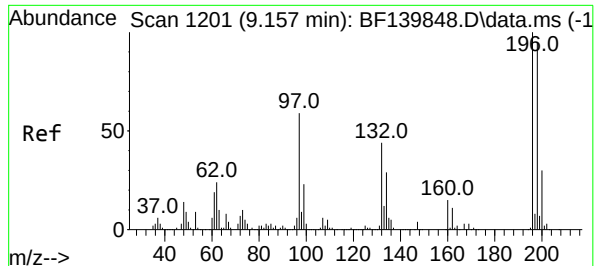
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#42
2,4,6-Tribromophenol
Concen: 95.600 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:330 Resp: 362330
Ion Ratio Lower Upper
330 100
332 98.1 78.1 117.1
141 32.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 47.468 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:196 Resp: 36737

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

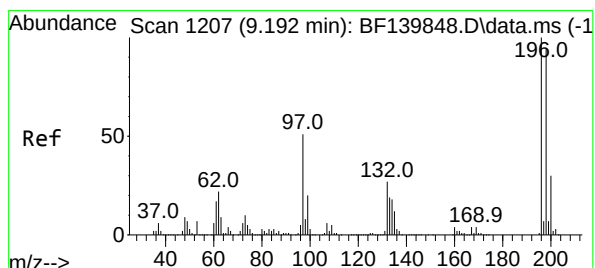
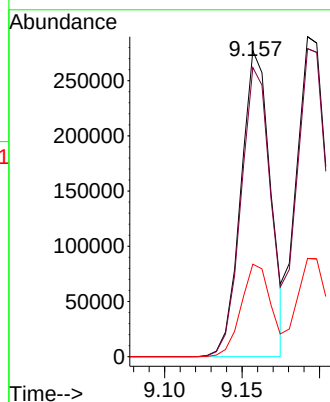
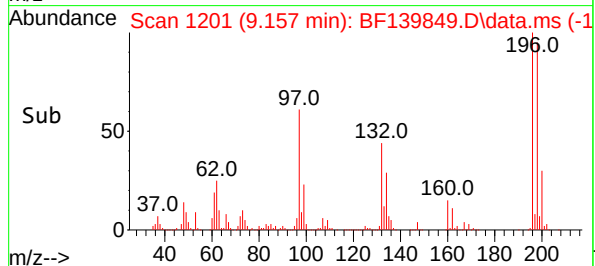
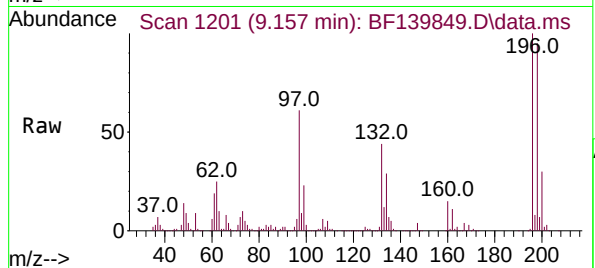
200 30.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 48.336 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Tgt Ion:196 Resp: 385963

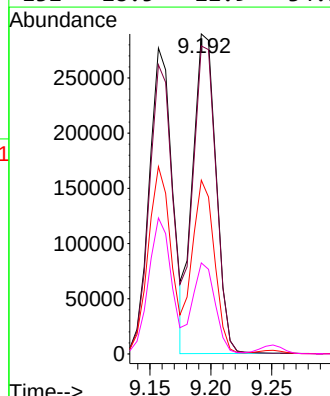
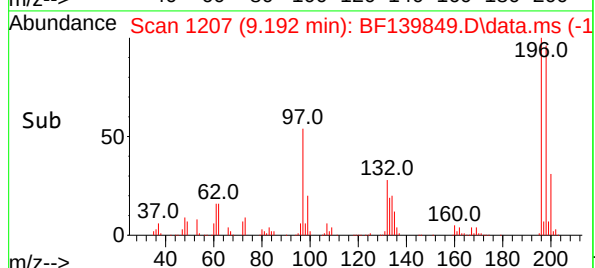
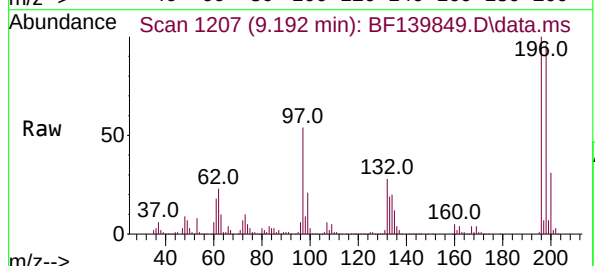
Ion Ratio Lower Upper

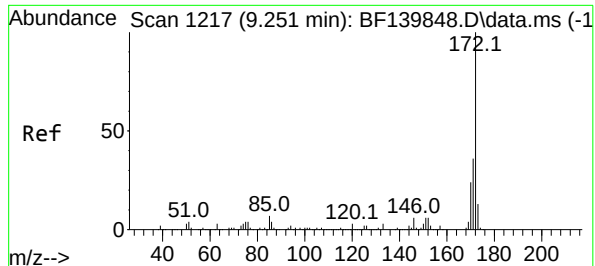
196 100

198 96.2 75.8 113.6

97 54.3 41.8 62.6

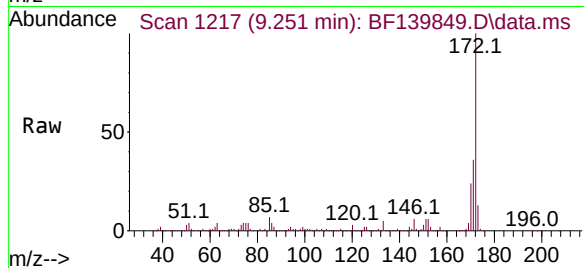
132 28.5 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 89.915 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

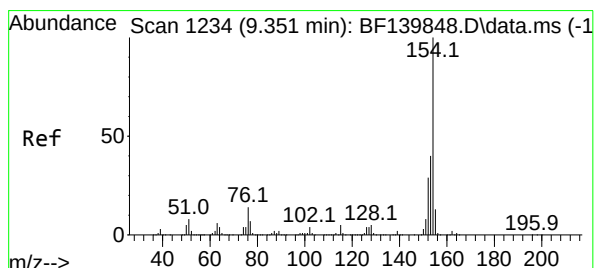
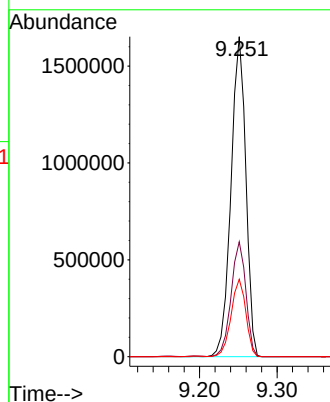
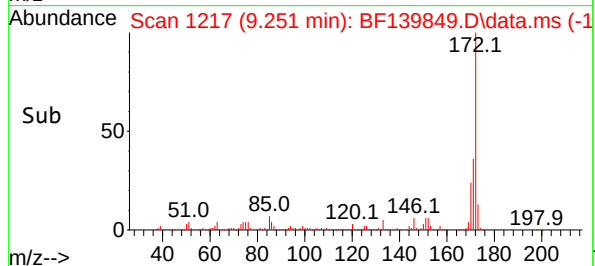
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 2204460
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.2 19.1 28.7

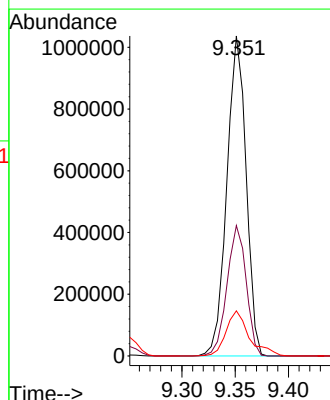
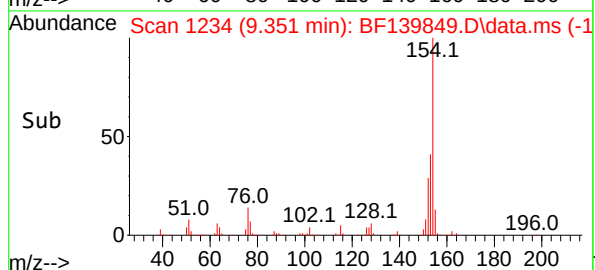
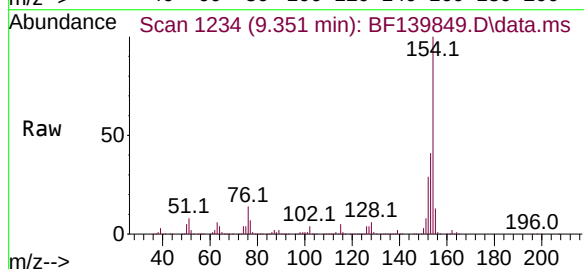
Manual Integrations
APPROVED

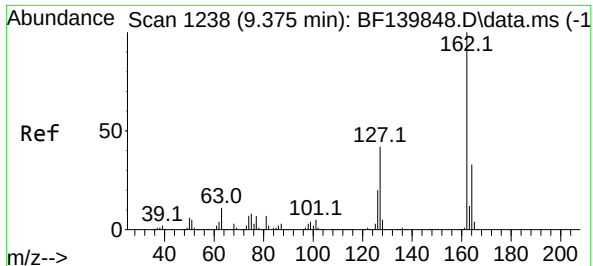
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#46
1,1'-Biphenyl
Concen: 46.143 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:154 Resp: 1301562
Ion Ratio Lower Upper
154 100
153 40.7 20.3 60.3
76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 46.720 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 106141

Ion Ratio Lower Upper

162 100

127 43.3 33.8 50.6

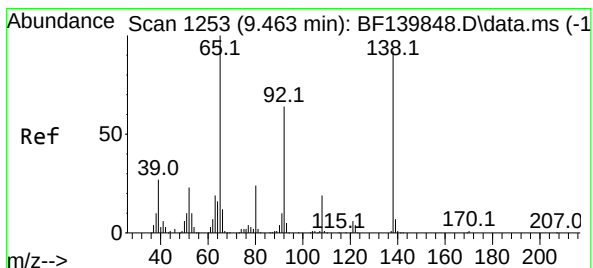
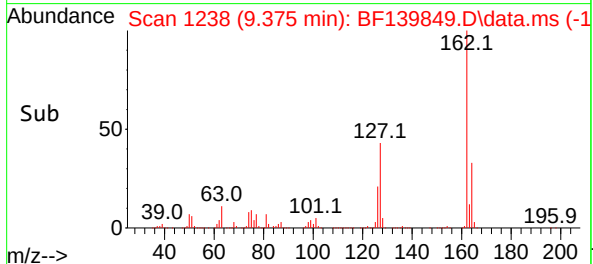
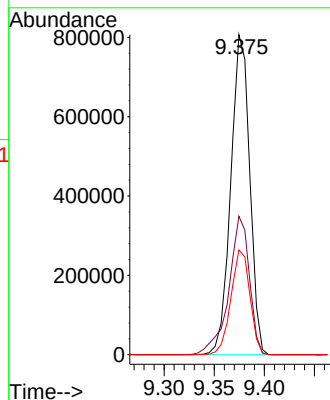
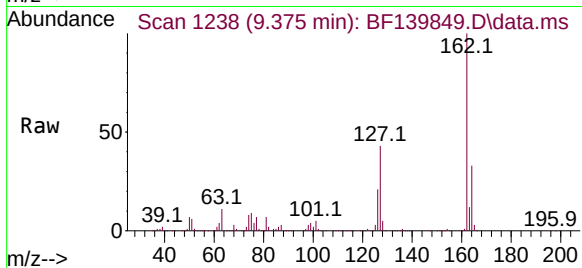
164 32.7 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#48

2-Nitroaniline

Concen: 51.564 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

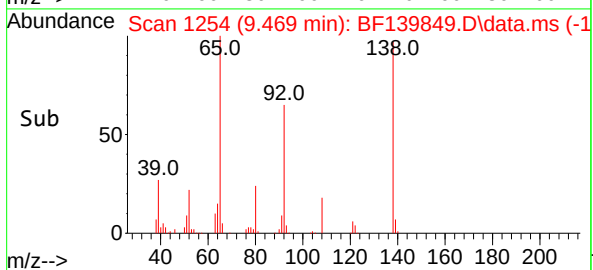
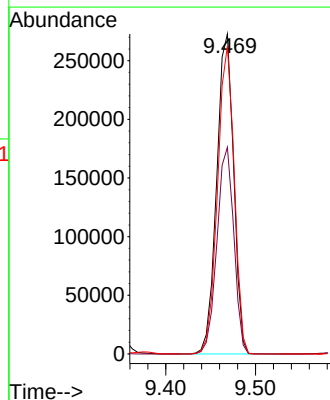
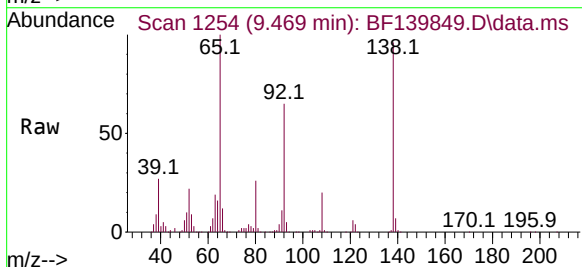
Tgt Ion: 65 Resp: 358283

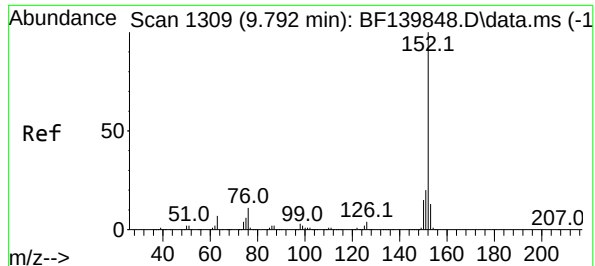
Ion Ratio Lower Upper

65 100

92 64.6 50.9 76.3

138 96.2 73.4 110.0





#49

Acenaphthylene

Concen: 46.479 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 152658

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

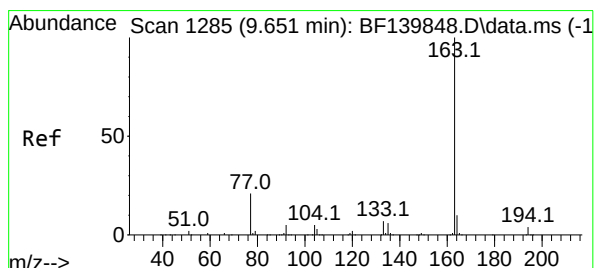
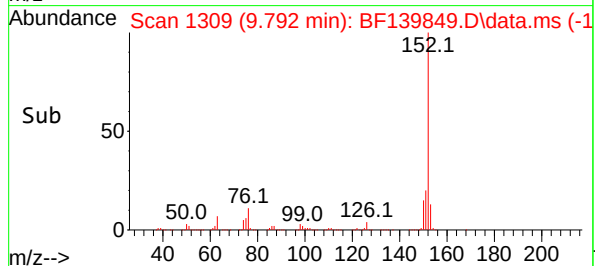
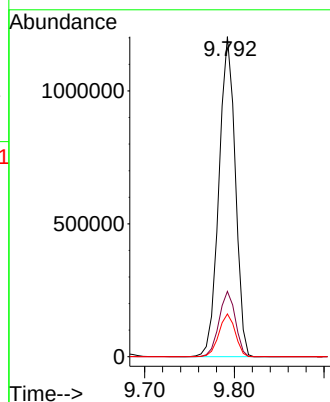
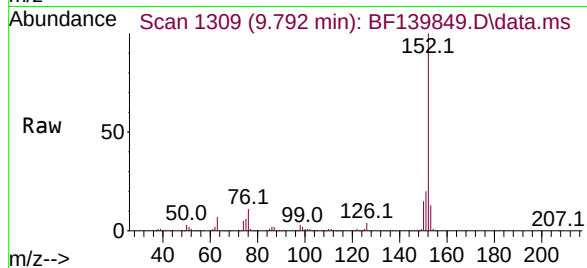
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

Concen: 47.050 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

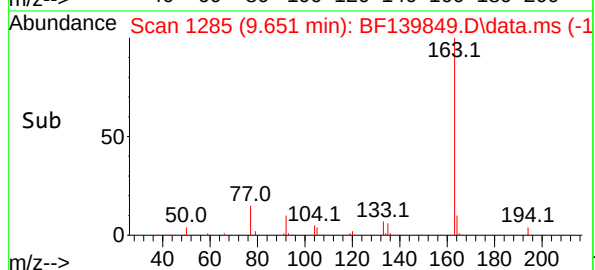
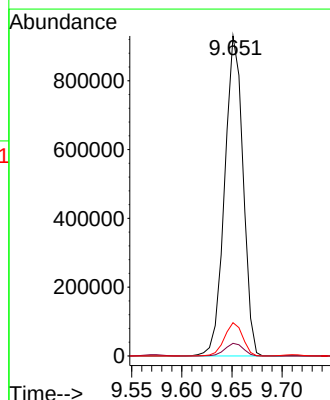
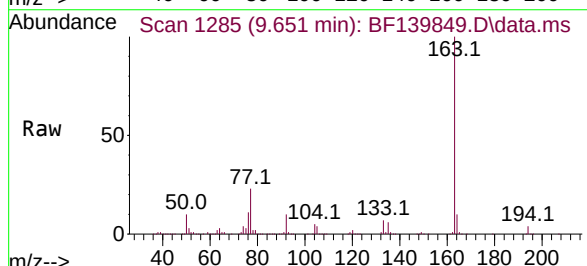
Tgt Ion:163 Resp: 1187472

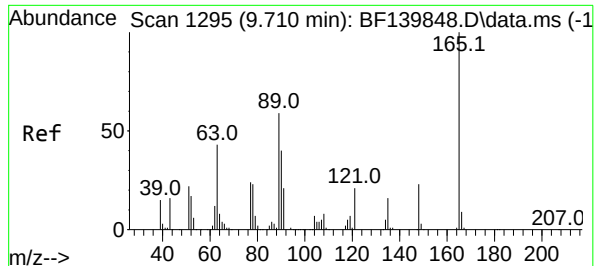
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

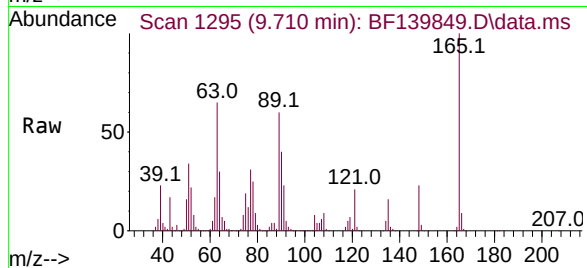
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 50.693 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

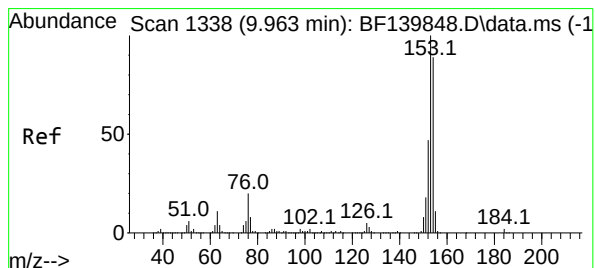
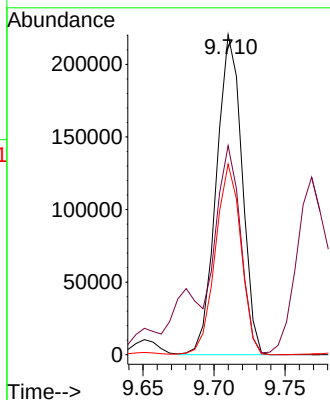
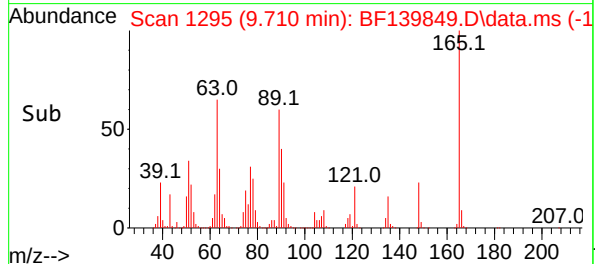
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 27702
Ion Ratio Lower Upper
165 100
63 65.3 50.6 75.8
89 59.5 47.5 71.3

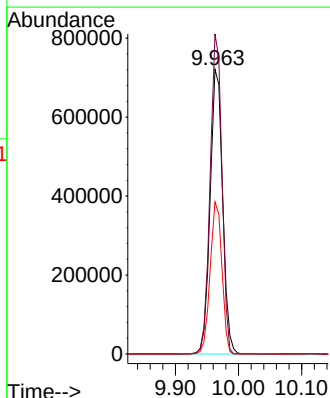
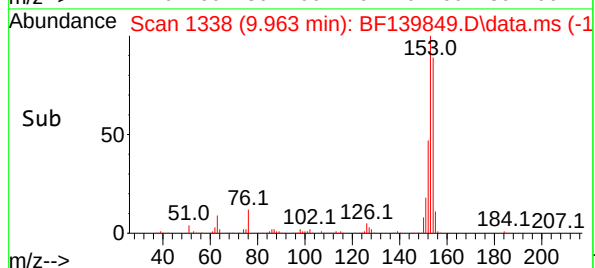
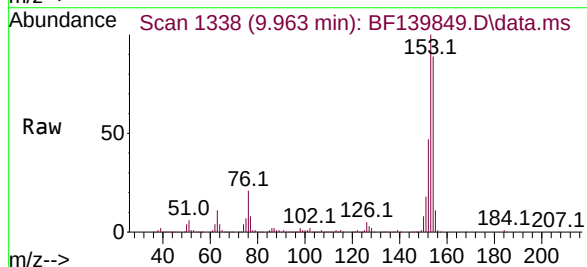
Manual Integrations
APPROVED

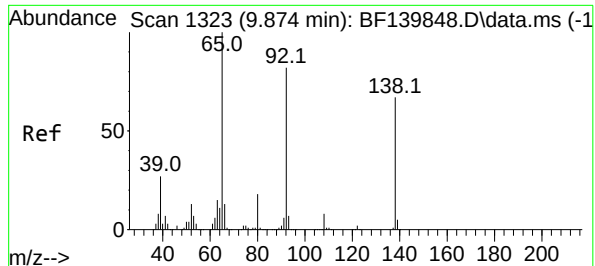
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 46.576 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

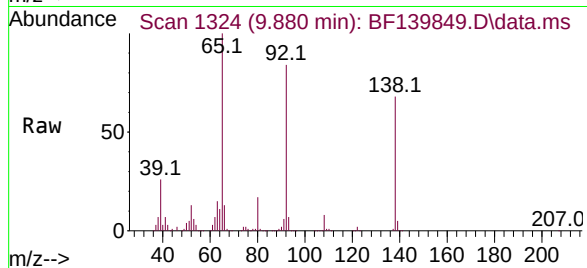
Tgt Ion:154 Resp: 989603
Ion Ratio Lower Upper
154 100
153 112.4 89.8 134.6
152 53.4 42.4 63.6





#53
3-Nitroaniline
Concen: 49.591 ng
RT: 9.880 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

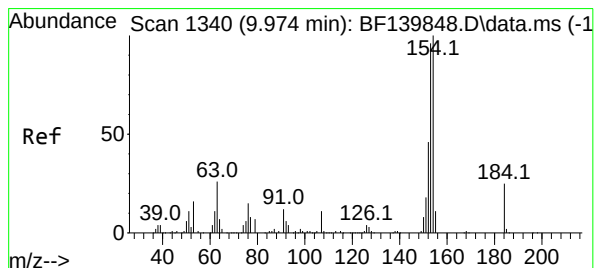
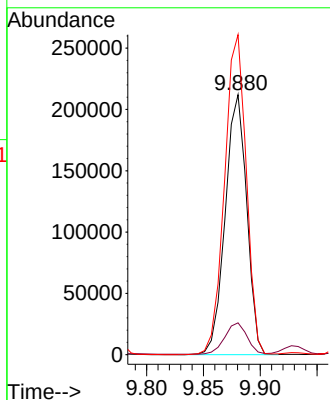
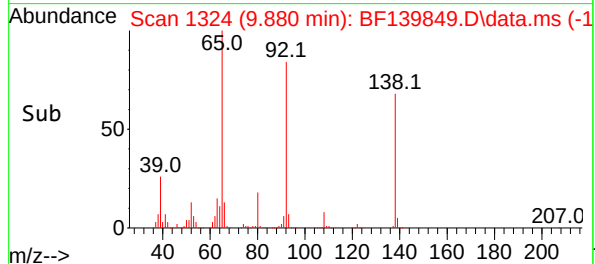
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 27946
Ion Ratio Lower Upper
138 100
108 12.2 10.2 15.2
92 123.1 98.3 147.5

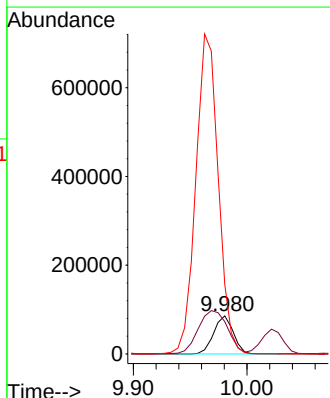
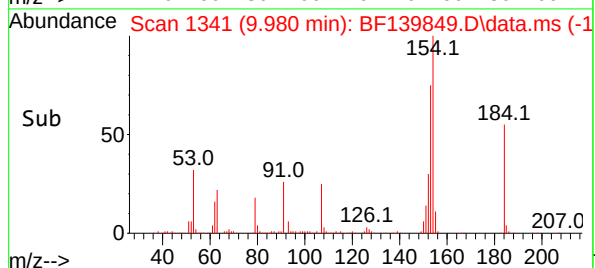
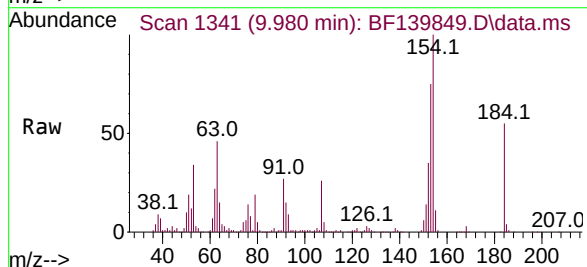
Manual Integrations
APPROVED

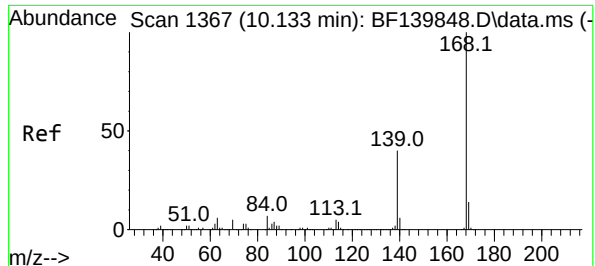
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 48.105 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

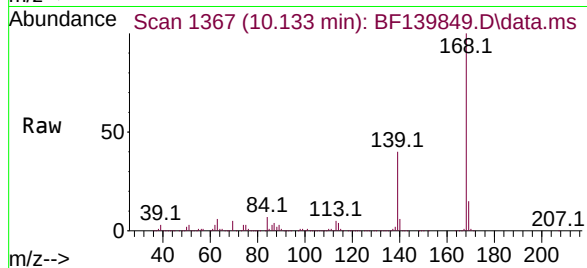
Tgt Ion:184 Resp: 102786
Ion Ratio Lower Upper
184 100
63 84.8 84.7 127.1
154 182.9 338.2 507.2#





#55
Dibenzenofuran
Concen: 46.162 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

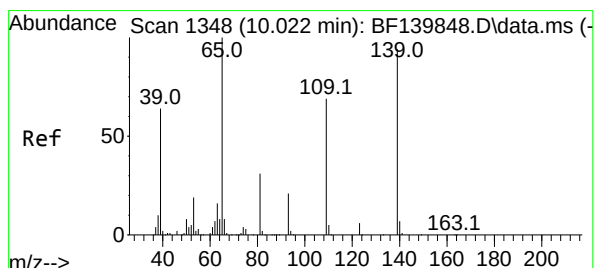
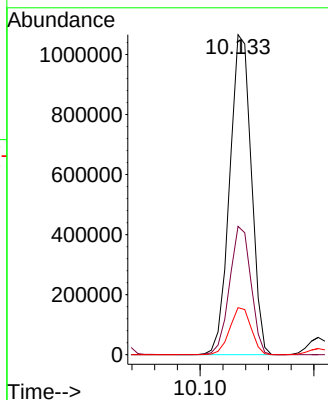
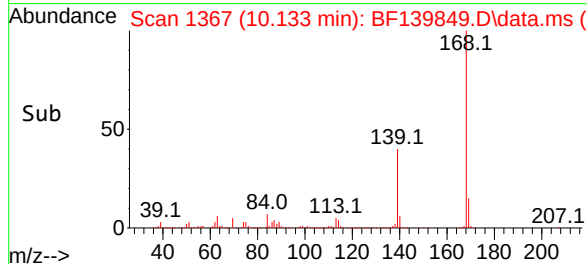
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:168 Resp: 140721
Ion Ratio Lower Upper
168 100
139 40.1 31.8 47.6
169 14.7 11.6 17.4

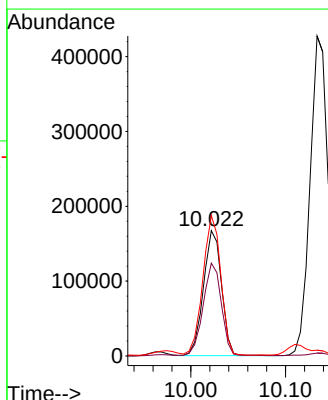
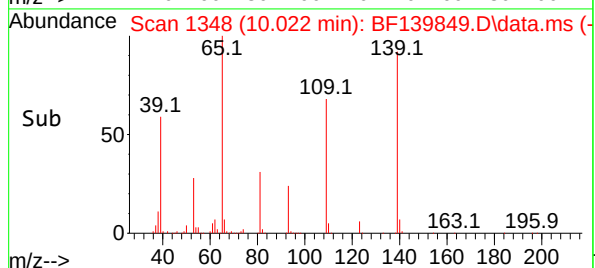
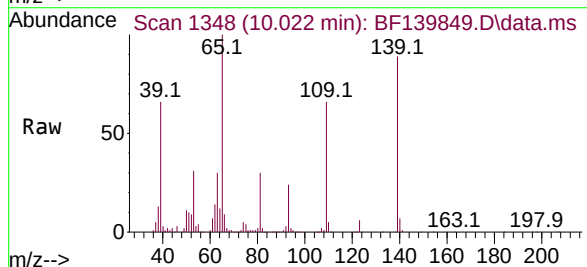
Manual Integrations
APPROVED

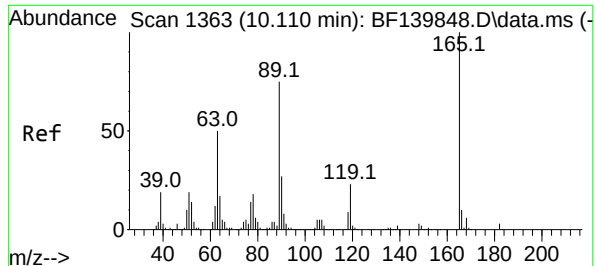
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#56
4-Nitrophenol
Concen: 51.068 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

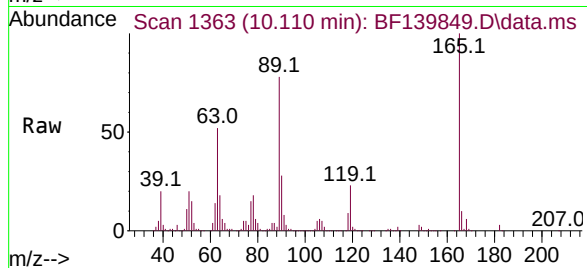
Tgt Ion:139 Resp: 221410
Ion Ratio Lower Upper
139 100
109 74.0 53.6 93.6
65 112.1 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 51.878 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

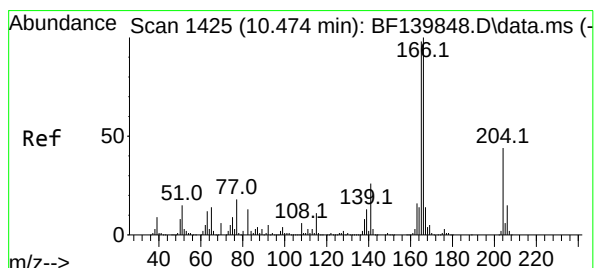
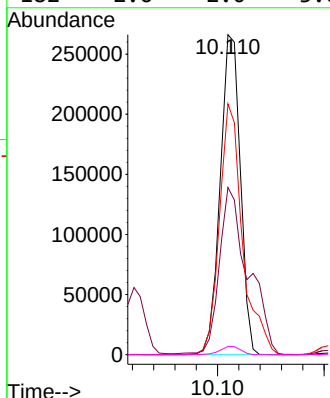
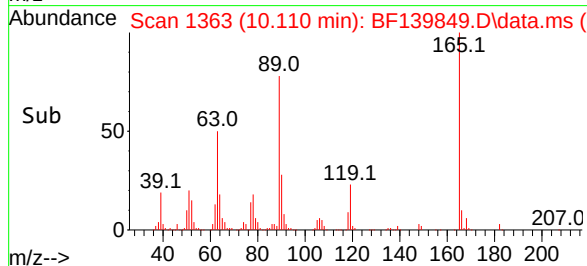
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



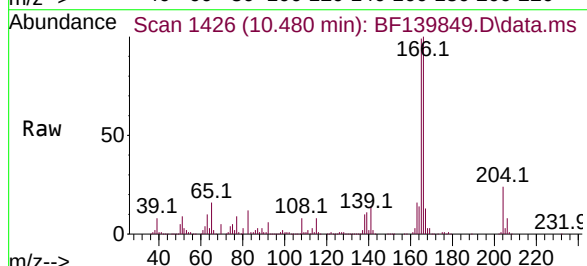
Tgt Ion:165 Resp: 348628
Ion Ratio Lower Upper
165 100
63 52.2 40.1 60.1
89 78.4 60.4 90.6
182 2.6 2.0 3.0

Manual Integrations
APPROVED

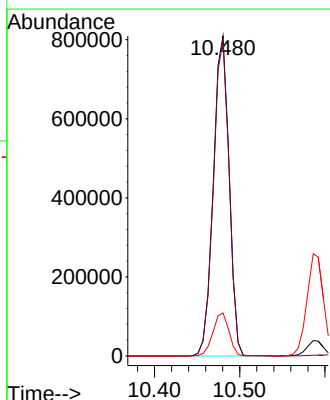
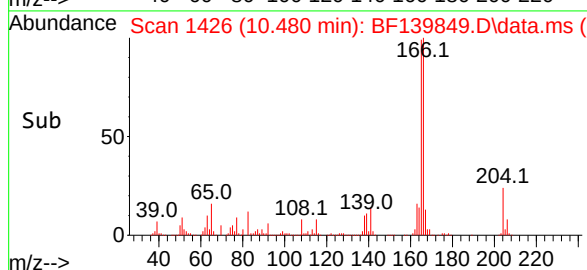
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

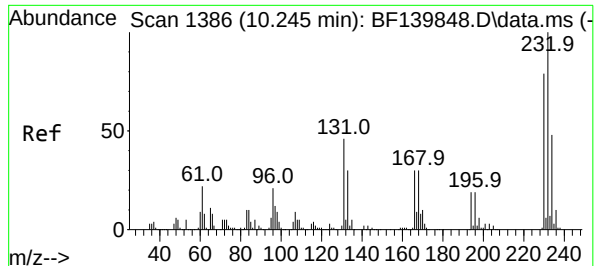


#58
Fluorene
Concen: 44.889 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



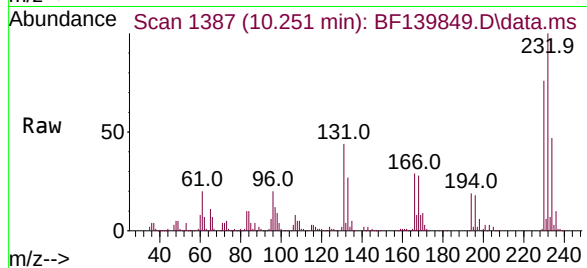
Tgt Ion:166 Resp: 1042268
Ion Ratio Lower Upper
166 100
165 98.6 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.975 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

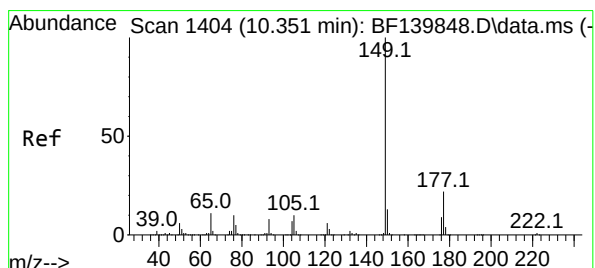
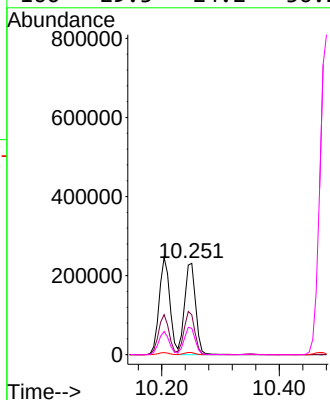
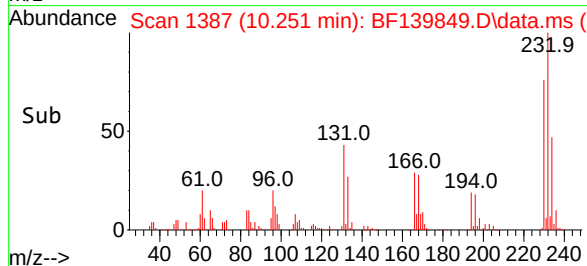
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 300300
Ion Ratio Lower Upper
232 100
131 45.6 37.0 55.6
130 2.4 1.9 2.9
166 29.3 24.2 36.2

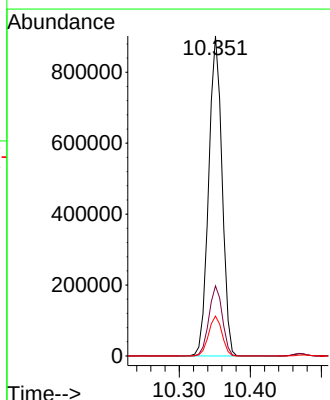
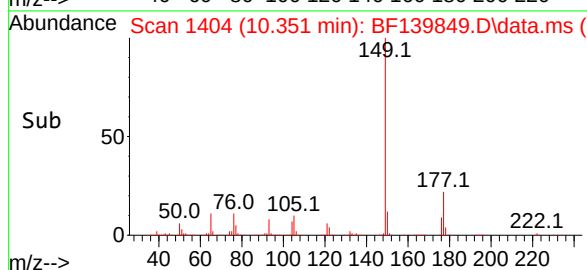
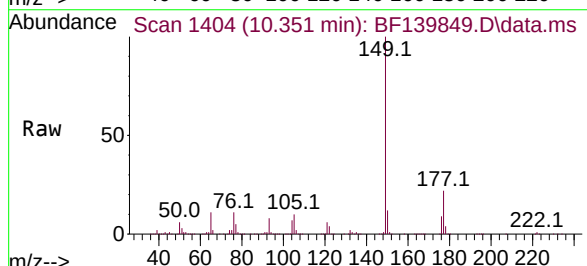
Manual Integrations
APPROVED

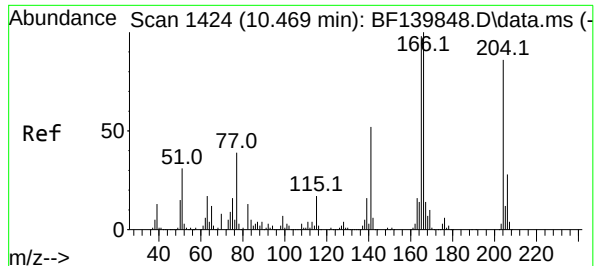
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#60
Diethylphthalate
Concen: 47.634 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

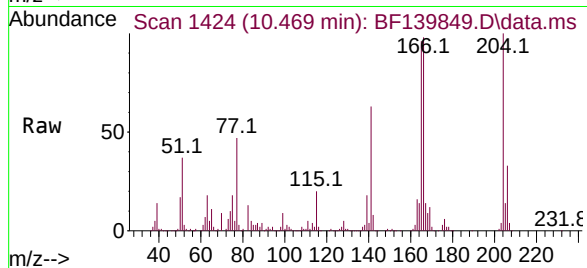
Tgt Ion:149 Resp: 1180411
Ion Ratio Lower Upper
149 100
177 21.9 17.9 26.9
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 45.427 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

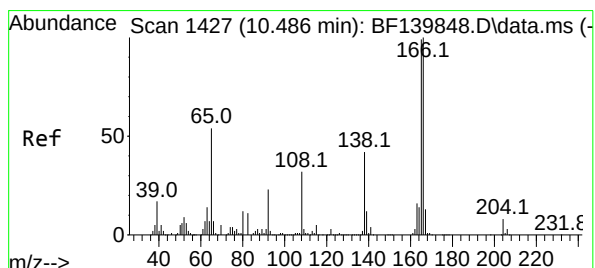
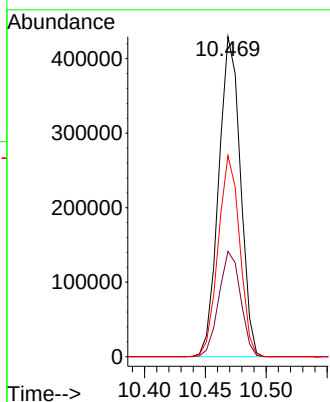
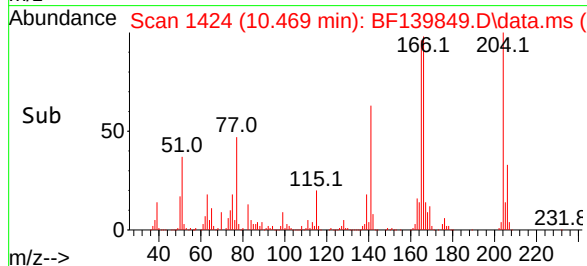
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



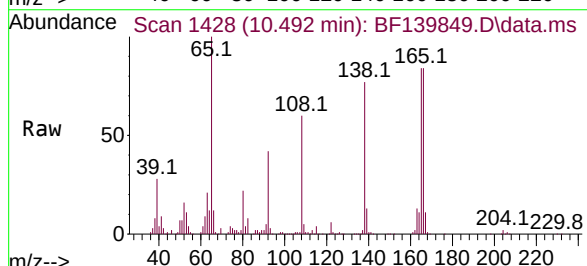
Tgt Ion:204 Resp: 532654
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 62.9 48.6 73.0

Manual Integrations
APPROVED

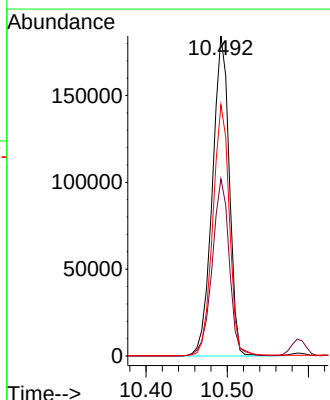
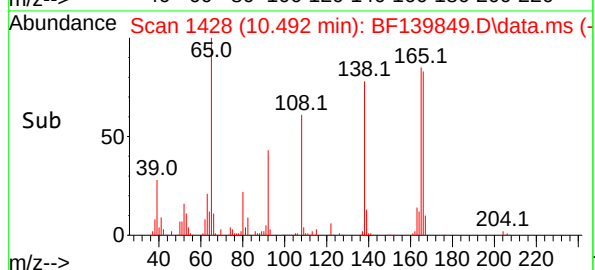
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

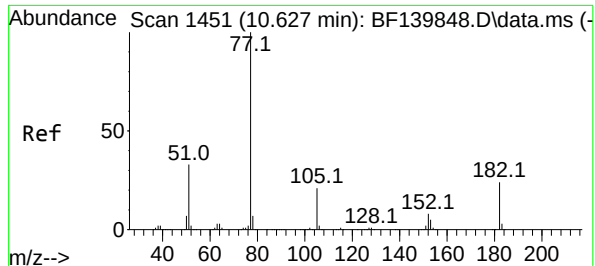


#62
4-Nitroaniline
Concen: 50.037 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



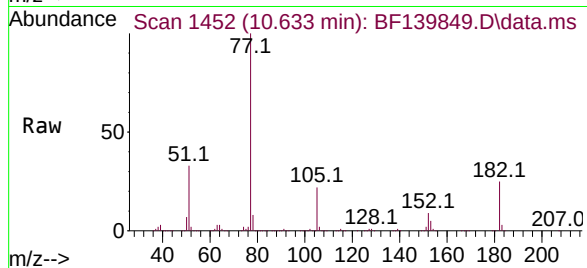
Tgt Ion:138 Resp: 266320
Ion Ratio Lower Upper
138 100
92 55.4 35.7 75.7
108 78.6 57.5 97.5





#63
Azobenzene
Concen: 46.881 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

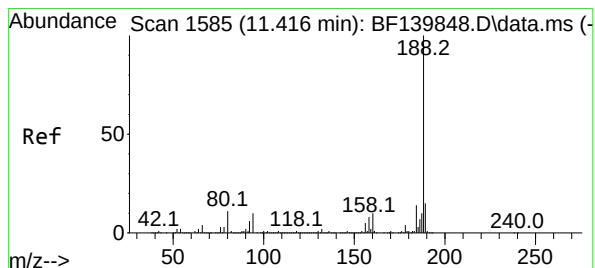
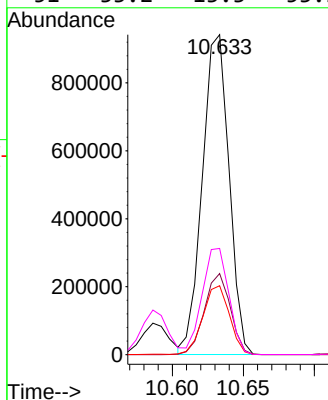
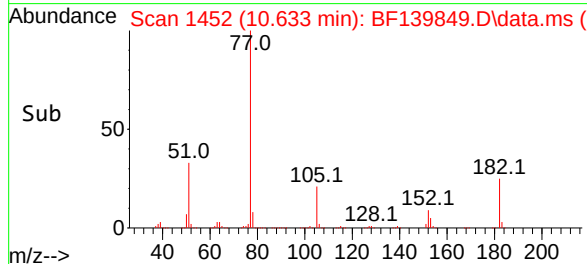
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 123164
Ion Ratio Lower Upper
77 100
182 25.4 3.3 43.3
105 21.5 1.2 41.2
51 33.2 13.3 53.3

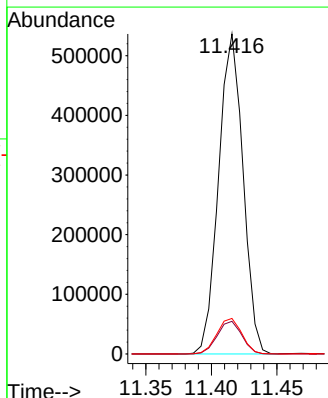
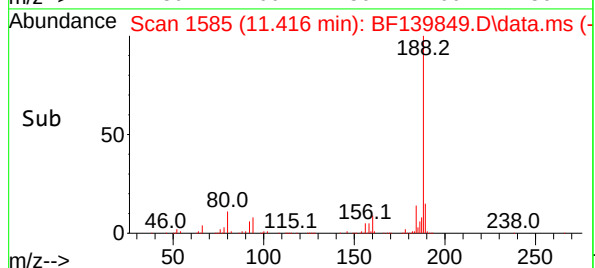
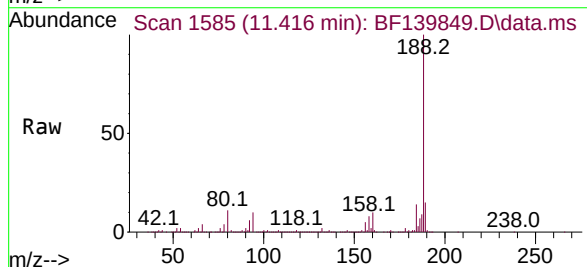
Manual Integrations
APPROVED

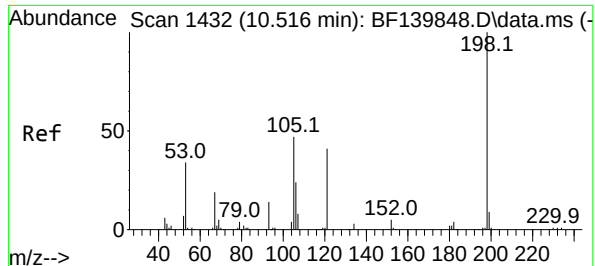
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:188 Resp: 694873
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.1 9.0 13.4





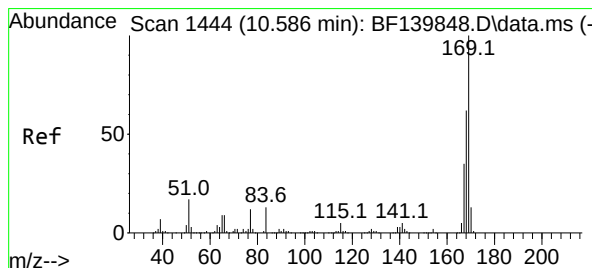
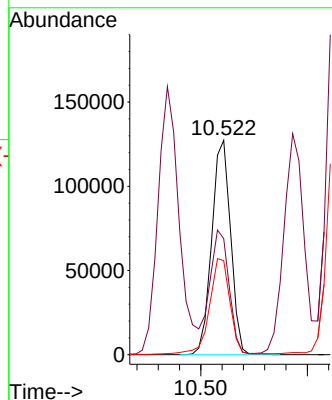
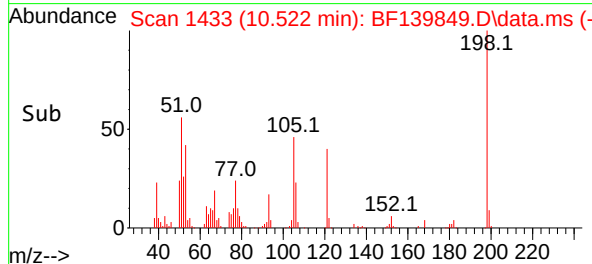
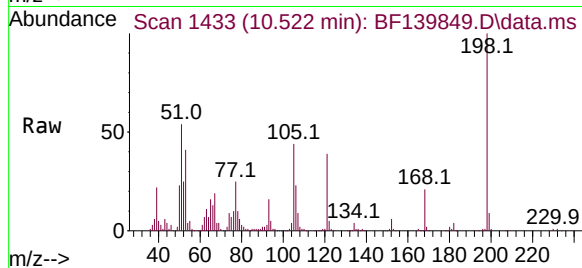
#65
4,6-Dinitro-2-methylphenol
Concen: 55.202 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 15646
Ion Ratio Lower Upper
198 100
51 54.1 38.2 78.2
105 43.9 27.9 67.9

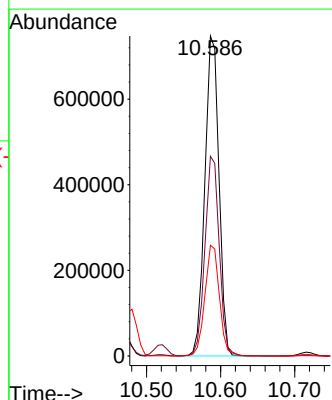
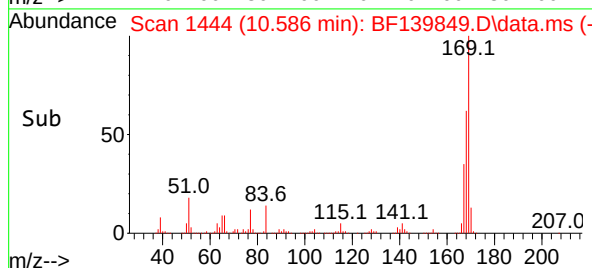
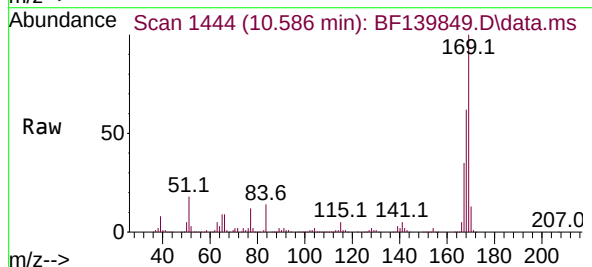
Manual Integrations
APPROVED

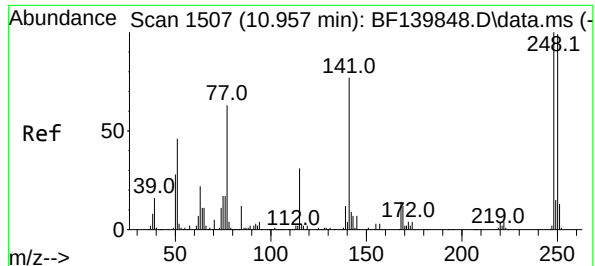
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 47.472 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

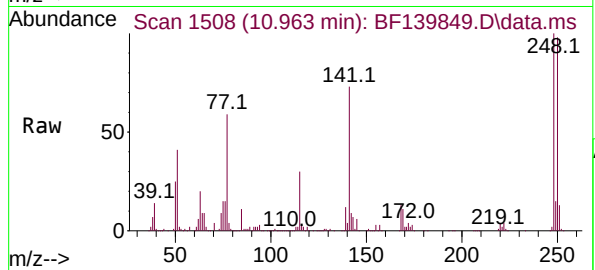
Tgt Ion:169 Resp: 987295
Ion Ratio Lower Upper
169 100
168 62.4 49.8 74.6
167 34.6 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 47.746 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

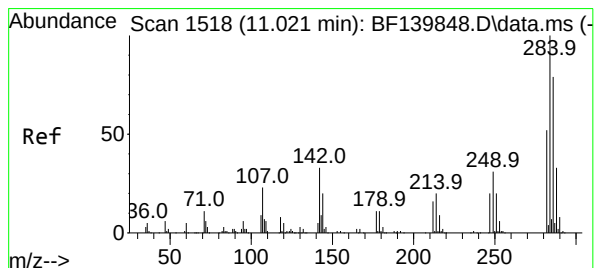
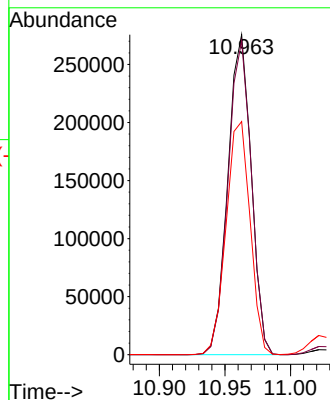
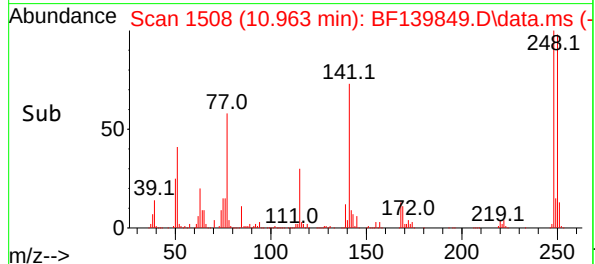
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:248 Resp: 341790
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.6
141 72.9 61.7 92.5

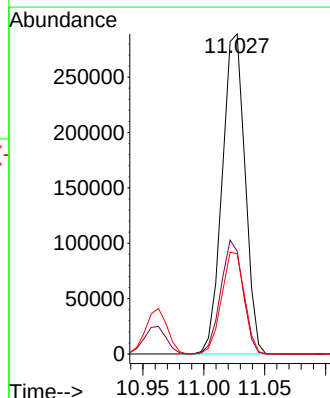
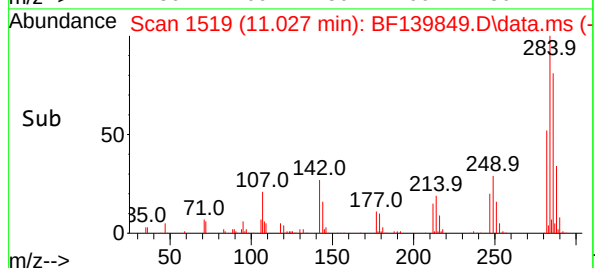
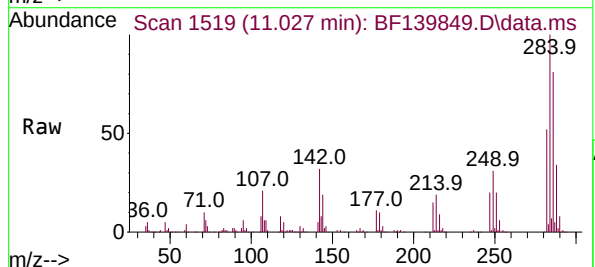
Manual Integrations
APPROVED

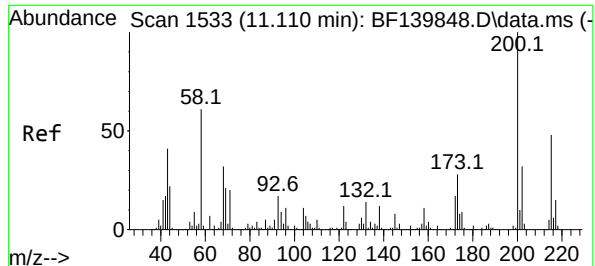
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#68
Hexachlorobenzene
Concen: 46.823 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:284 Resp: 376968
Ion Ratio Lower Upper
284 100
142 32.2 26.9 40.3
249 31.3 25.3 37.9





#69

Atrazine

Concen: 41.713 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:200 Resp: 234998

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

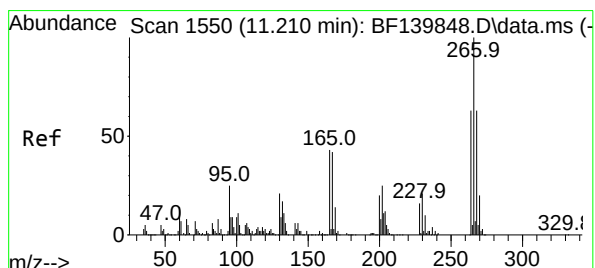
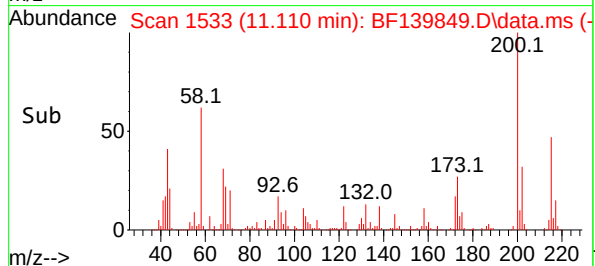
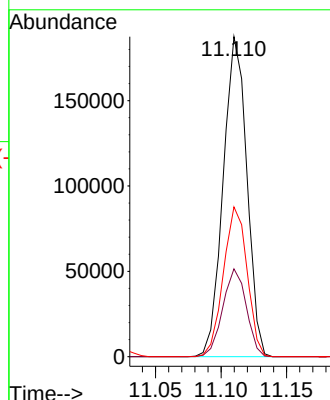
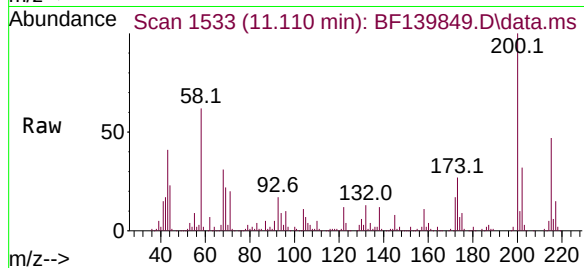
215 46.8 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 51.587 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

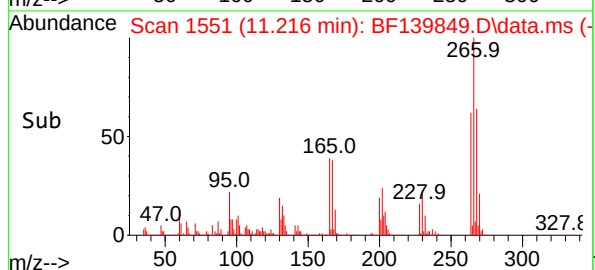
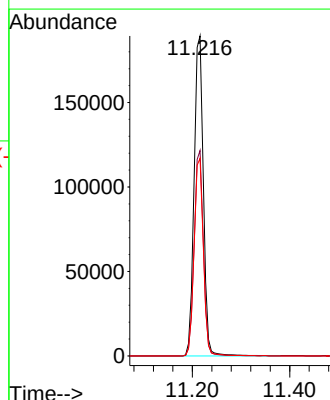
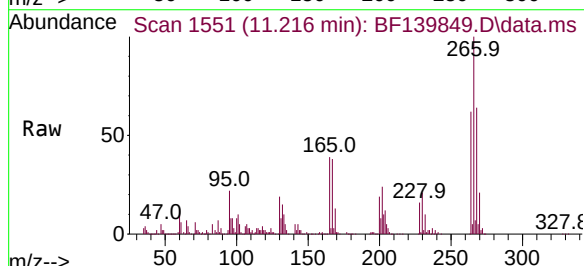
Tgt Ion:266 Resp: 252064

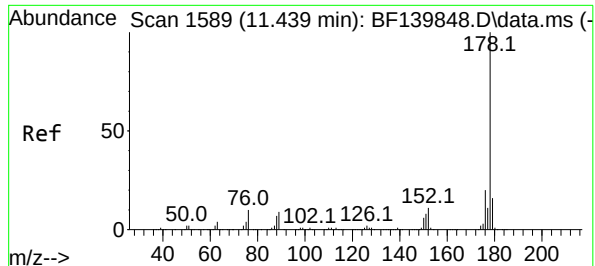
Ion Ratio Lower Upper

266 100

268 64.2 50.4 75.6

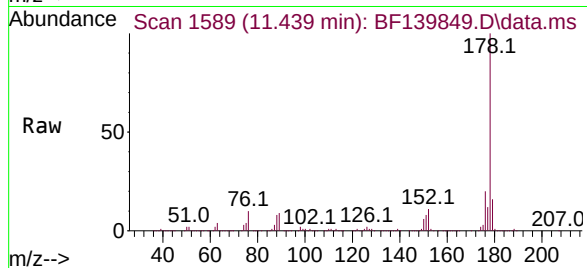
264 61.7 50.6 75.8





#71
Phenanthrene
Concen: 45.700 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

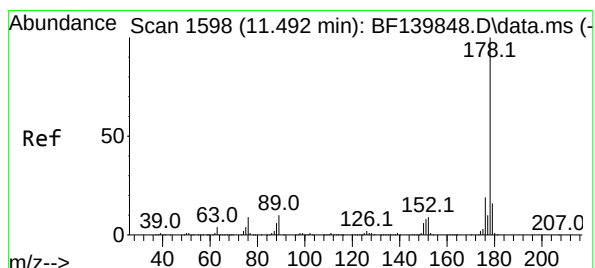
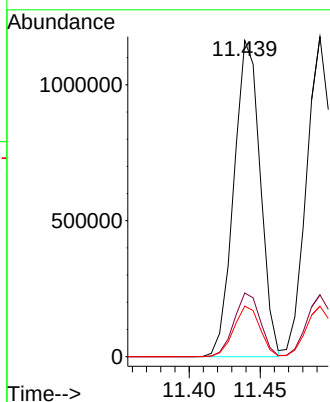
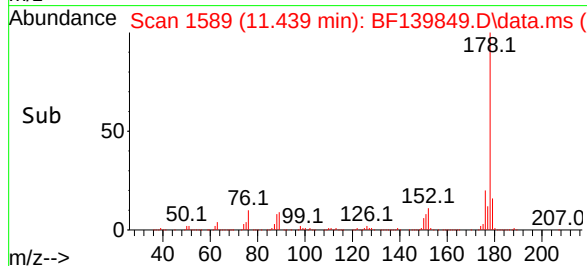
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1500010
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 16.0 12.6 18.8

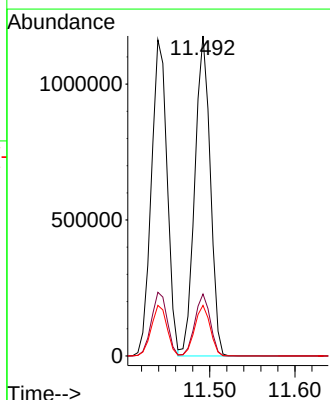
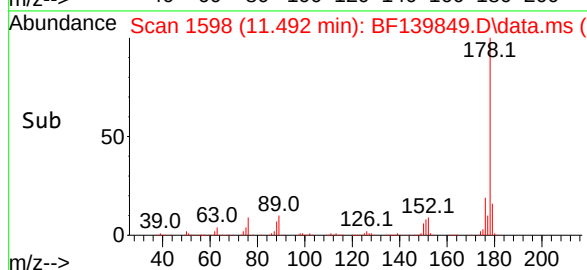
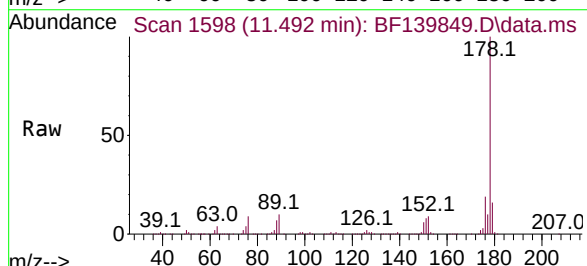
Manual Integrations
APPROVED

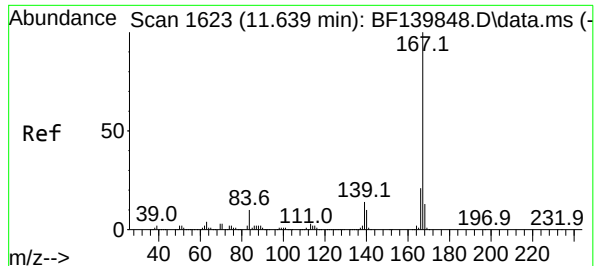
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#72
Anthracene
Concen: 46.172 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

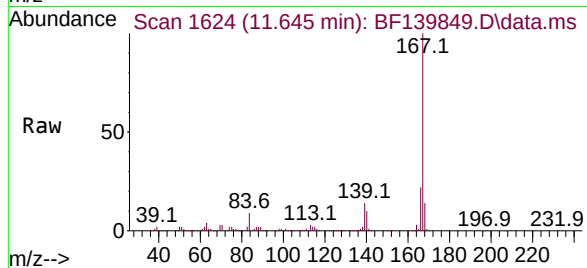
Tgt Ion:178 Resp: 1478655
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.8 12.4 18.6





#73
Carbazole
Concen: 45.263 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

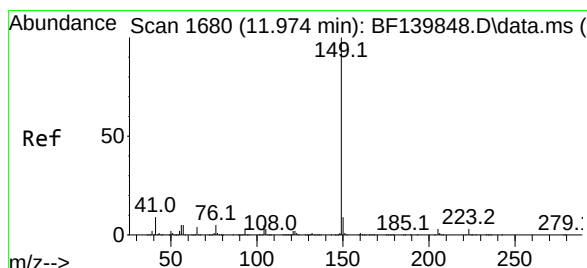
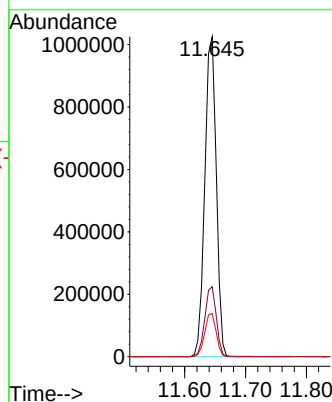
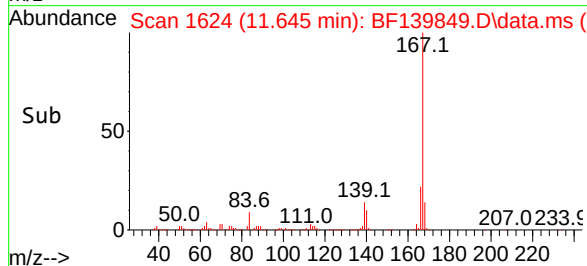
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:167 Resp: 1348098
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.5 10.8 16.2

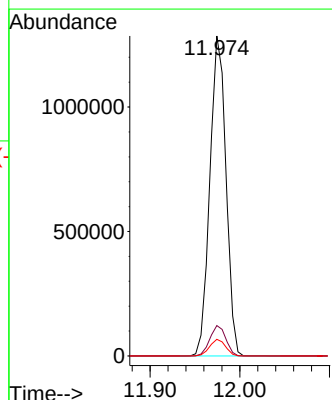
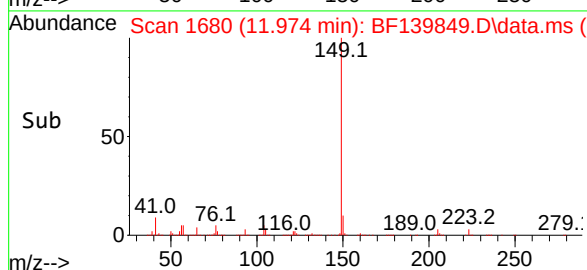
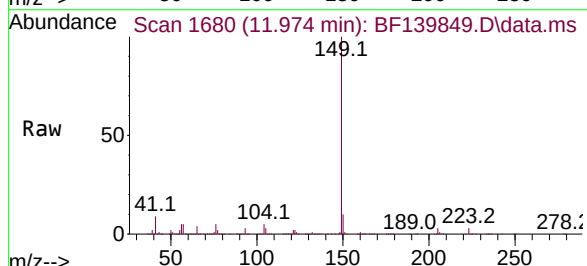
Manual Integrations
APPROVED

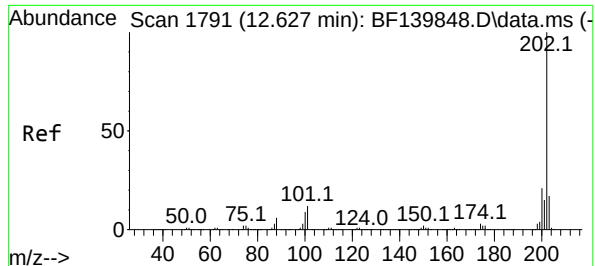
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#74
Di-n-butylphthalate
Concen: 46.583 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

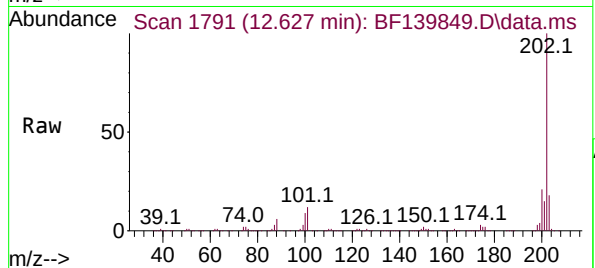
Tgt Ion:149 Resp: 1602928
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 44.089 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

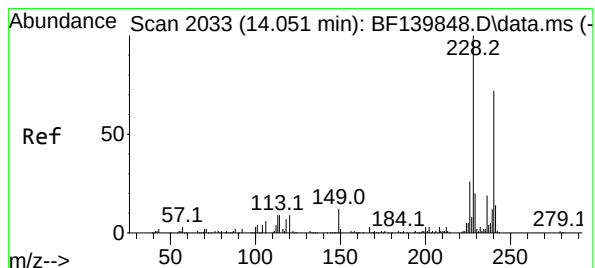
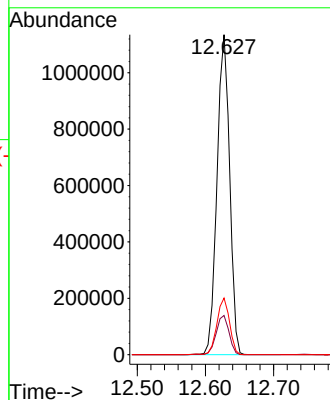
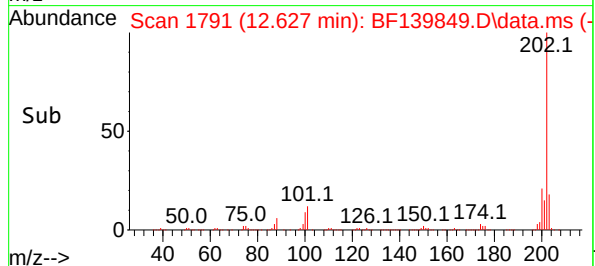
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1462930
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.7 0.0 37.5

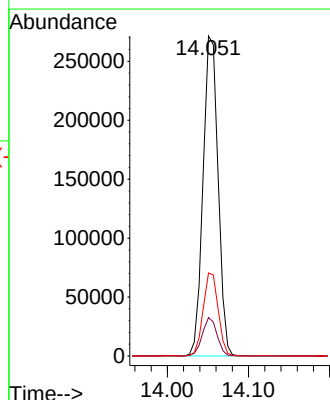
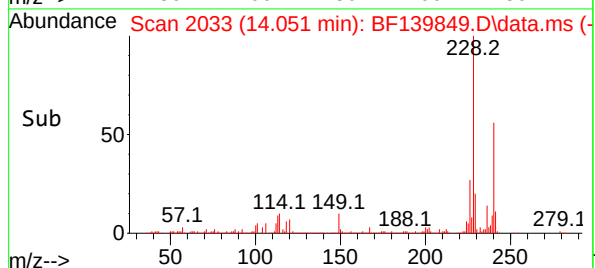
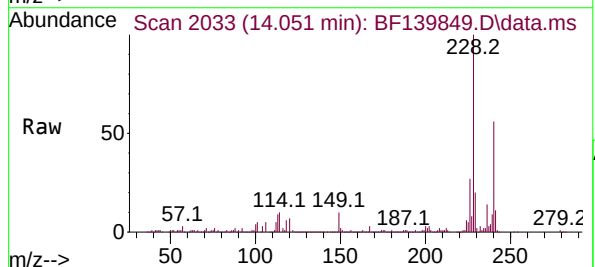
Manual Integrations
APPROVED

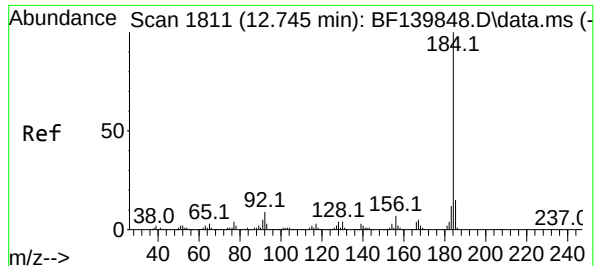
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

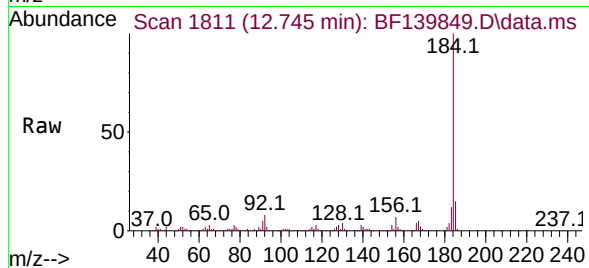
Tgt Ion:240 Resp: 349496
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 26.0 20.9 31.3





#77
Benzidine
Concen: 42.388 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

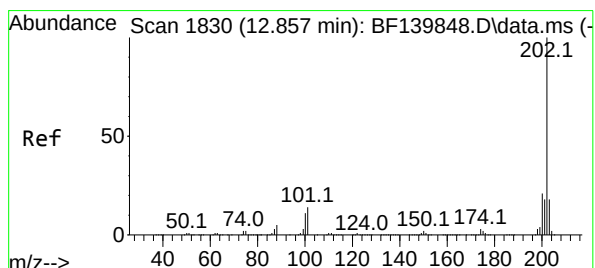
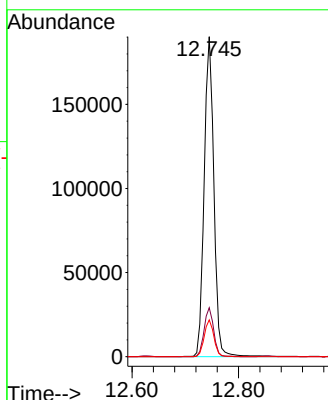
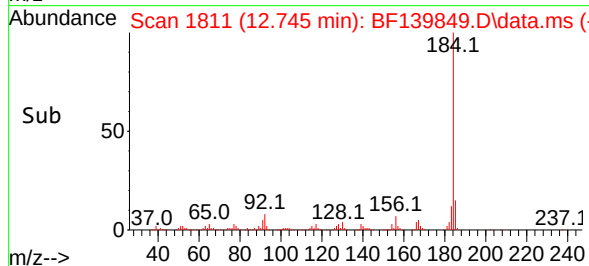
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 240940
Ion Ratio Lower Upper
184 100
185 15.3 12.0 18.0
183 11.5 9.4 14.2

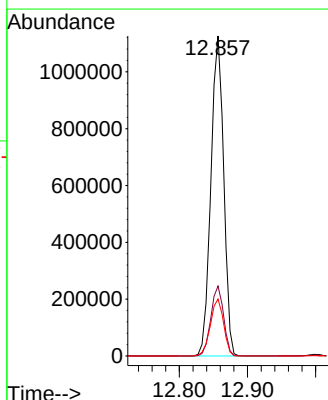
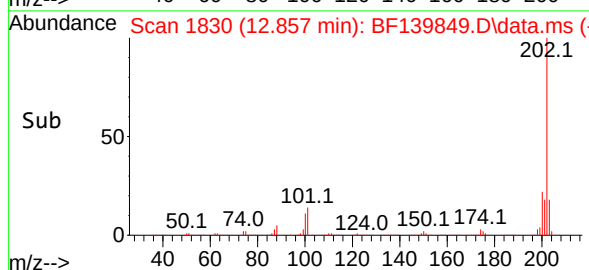
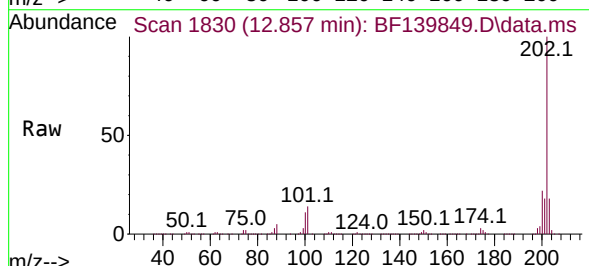
Manual Integrations
APPROVED

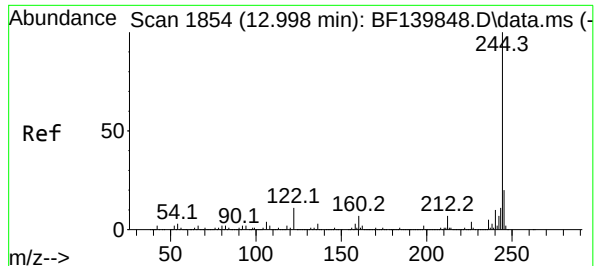
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78
Pyrene
Concen: 48.113 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:202 Resp: 1471893
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 93.988 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139849.D

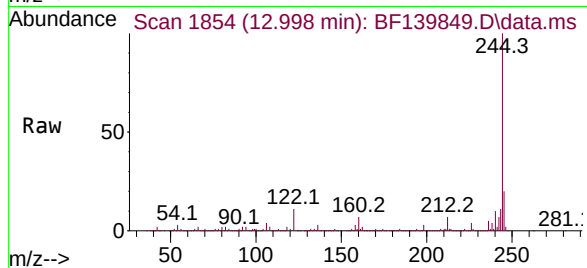
Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 2015874

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

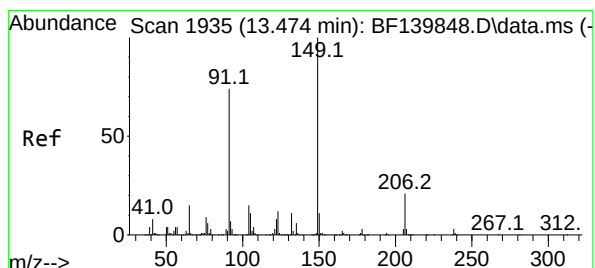
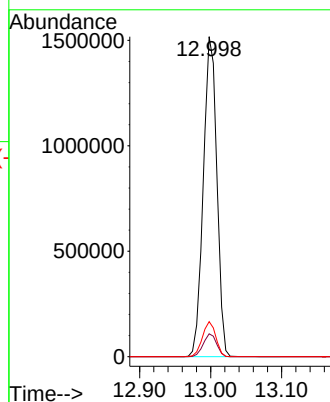
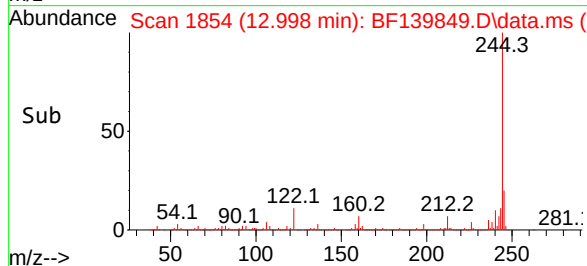
122 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

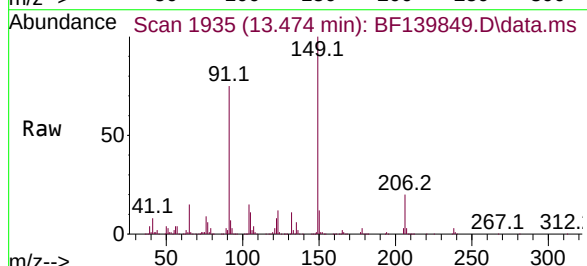
Concen: 50.944 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49



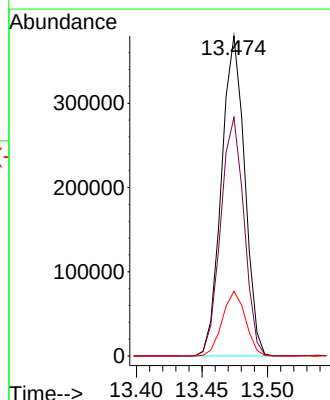
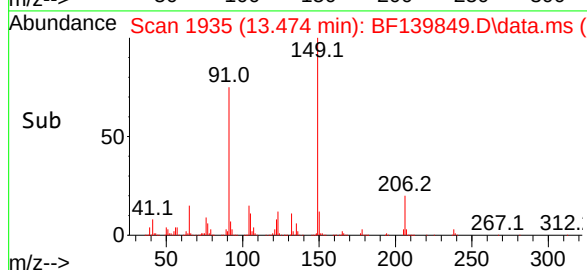
Tgt Ion:149 Resp: 467242

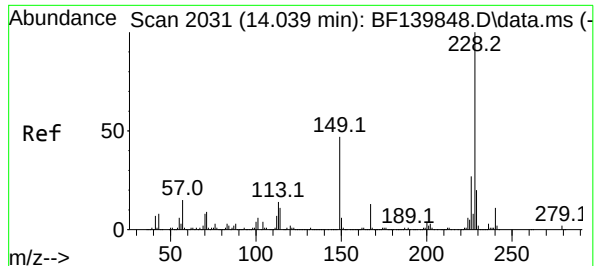
Ion Ratio Lower Upper

149 100

91 74.5 59.4 89.2

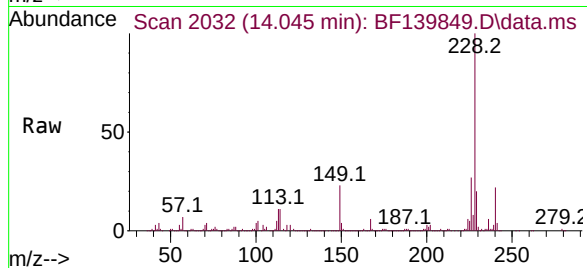
206 20.2 16.4 24.6





#81
Benzo(a)anthracene
Concen: 48.667 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

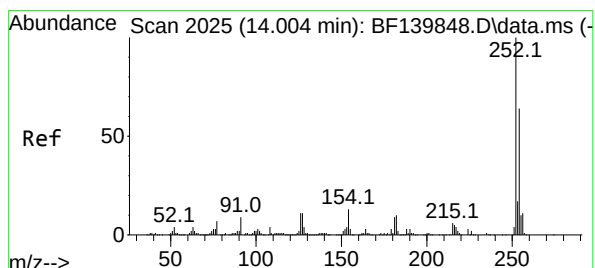
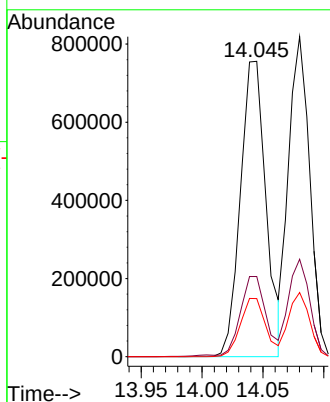
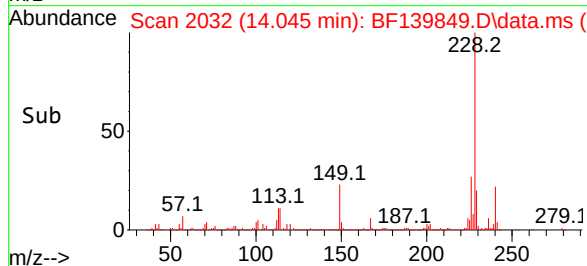
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



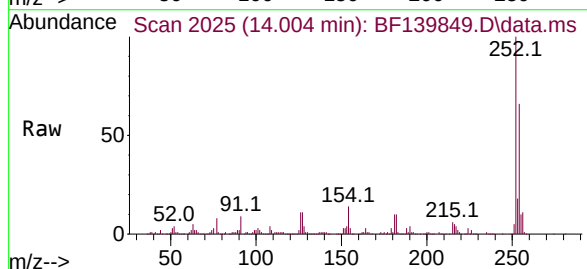
Tgt Ion:228 Resp: 1107239
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 19.7 16.1 24.1

Manual Integrations
APPROVED

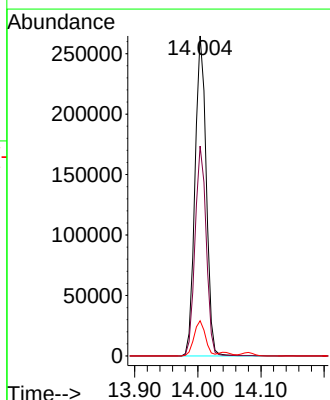
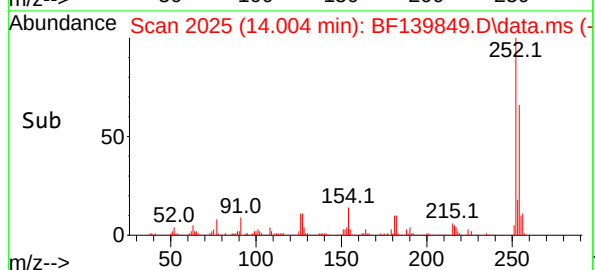
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

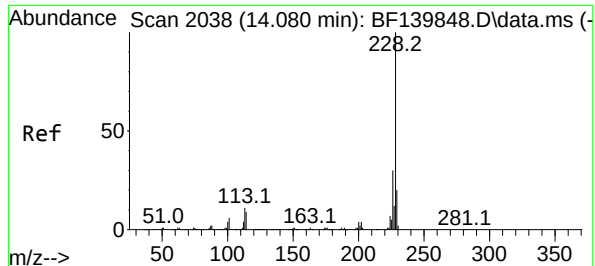


#82
3,3'-Dichlorobenzidine
Concen: 49.251 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



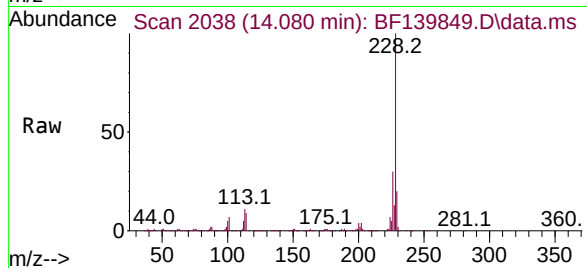
Tgt Ion:252 Resp: 326706
Ion Ratio Lower Upper
252 100
254 65.6 50.8 76.2
126 11.0 8.9 13.3





#83
Chrysene
Concen: 47.484 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

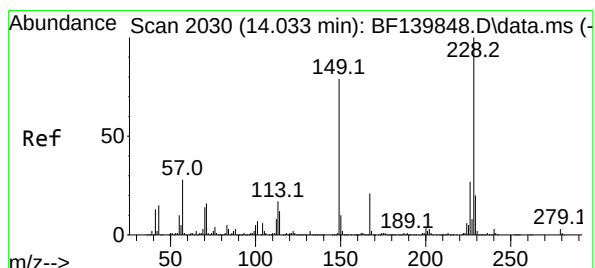
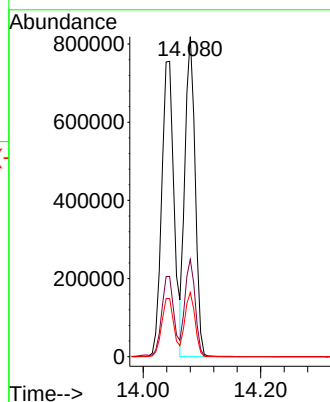
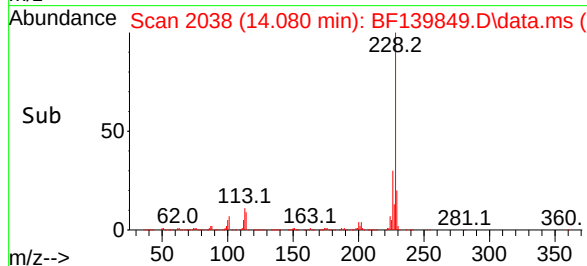
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 990517
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 20.1 15.8 23.6

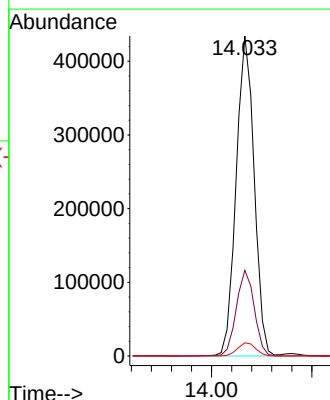
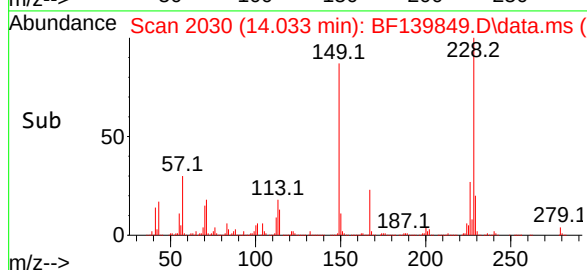
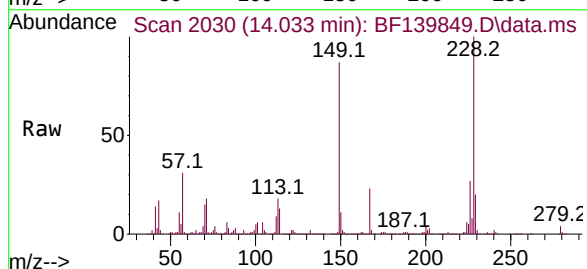
Manual Integrations
APPROVED

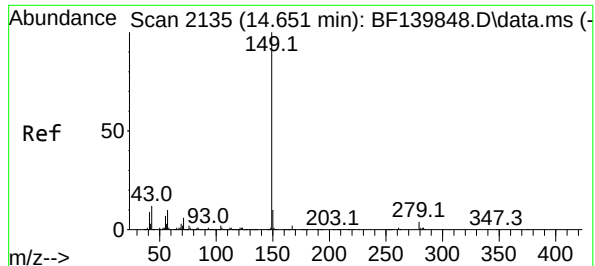
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 52.655 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

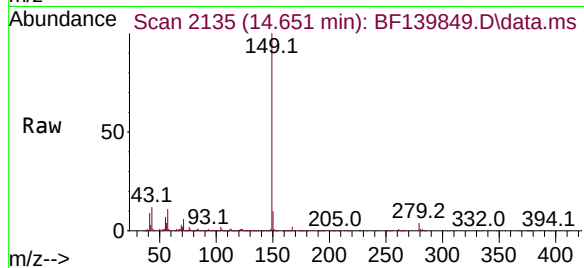
Tgt Ion:149 Resp: 541828
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 4.1 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 55.195 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

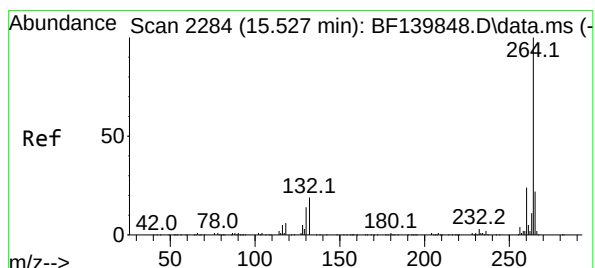
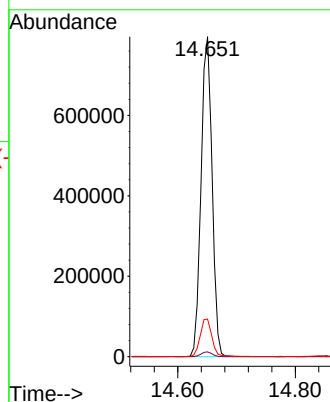
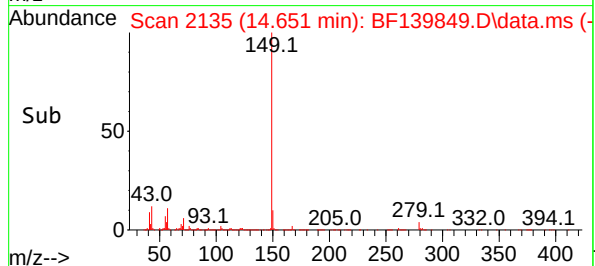
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 1033054
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.4 9.8 14.6

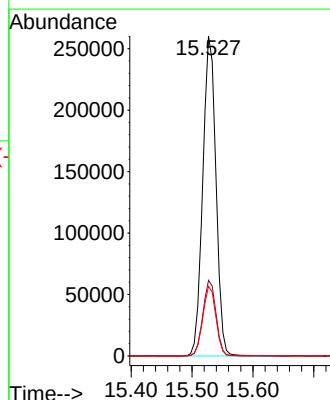
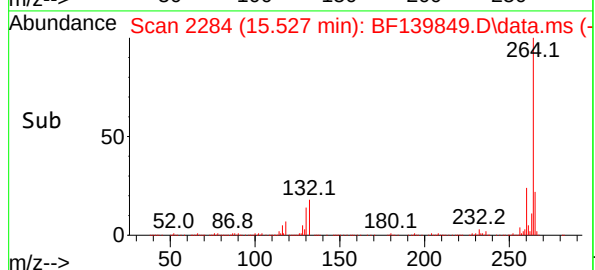
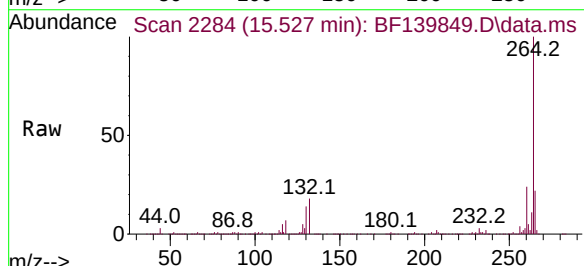
Manual Integrations
APPROVED

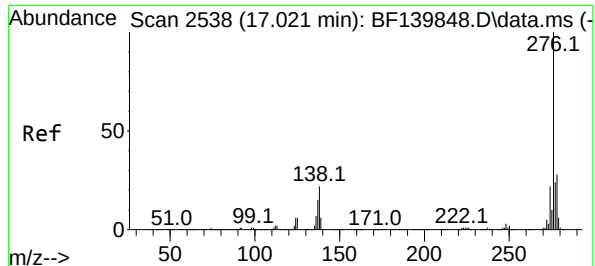
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:264 Resp: 390757
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.463 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 126855

Ion Ratio Lower Upper

276 100

138 25.2 20.4 30.6

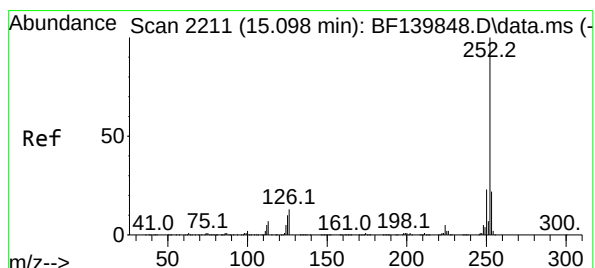
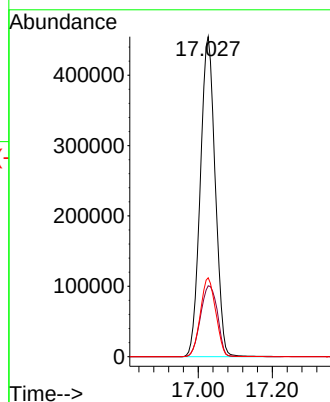
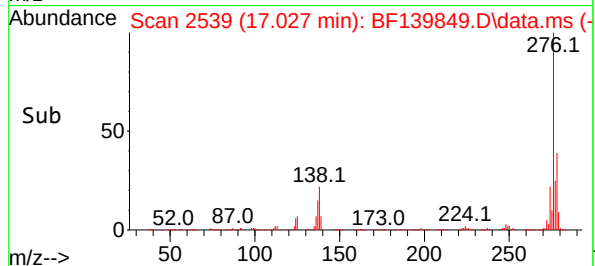
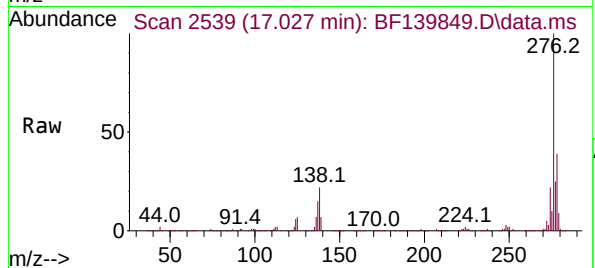
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 45.369 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

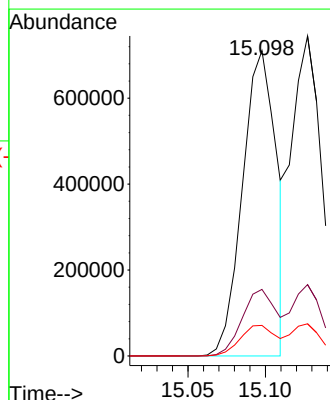
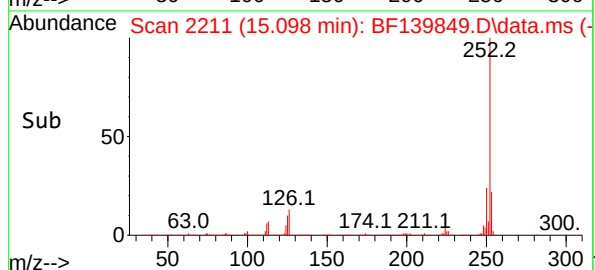
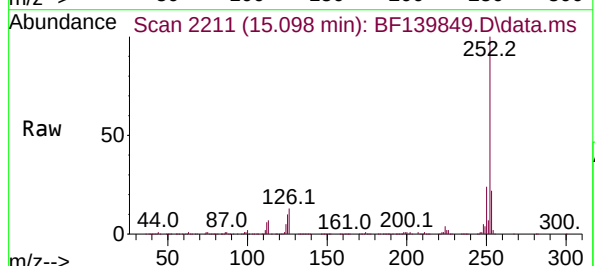
Tgt Ion:252 Resp: 1079928

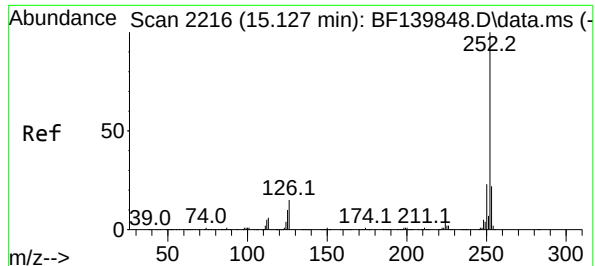
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 49.026 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 100642

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

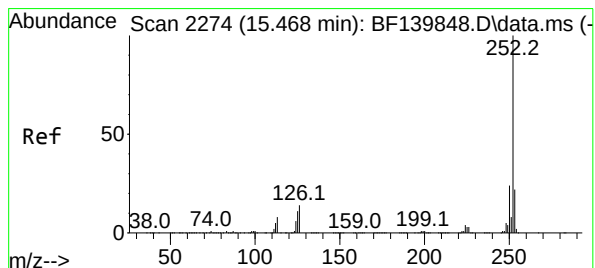
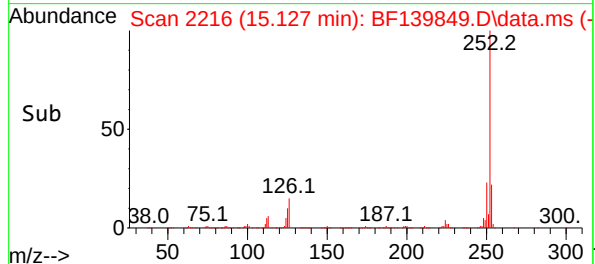
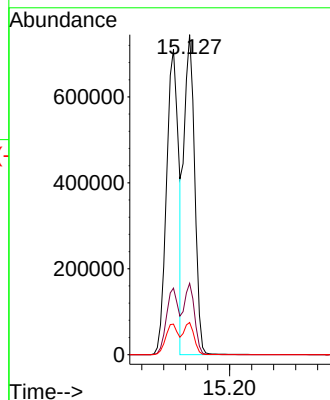
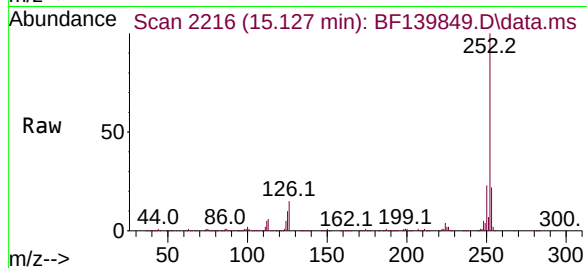
125 10.0 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 48.573 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

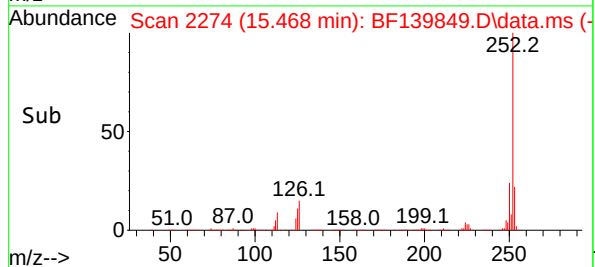
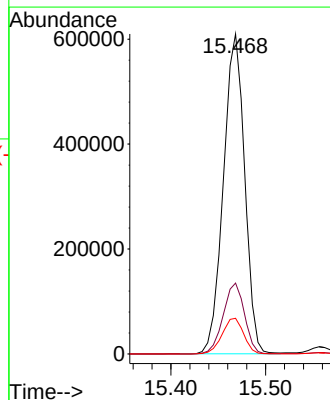
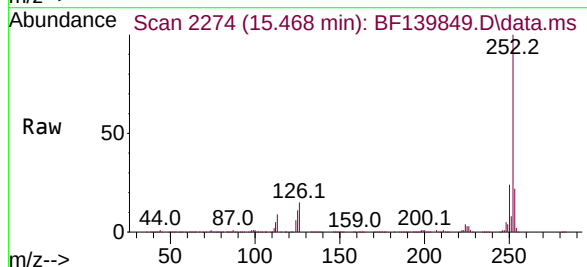
Tgt Ion:252 Resp: 951346

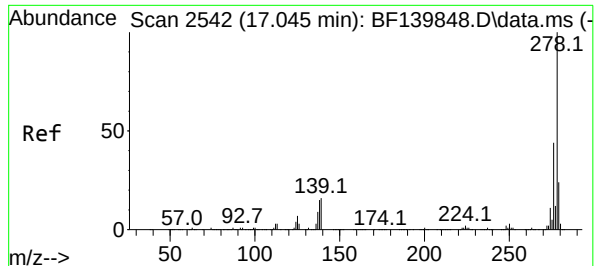
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

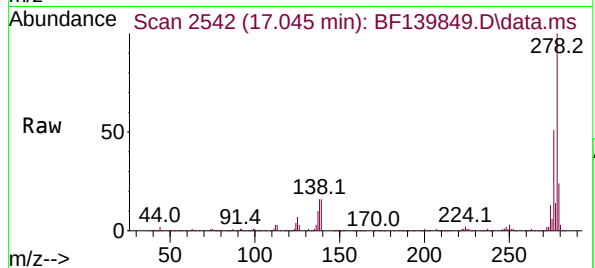
125 11.1 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 50.456 ng
RT: 17.045 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

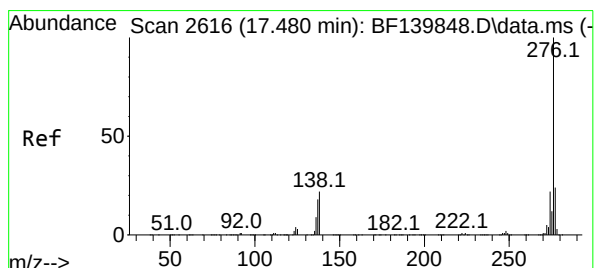
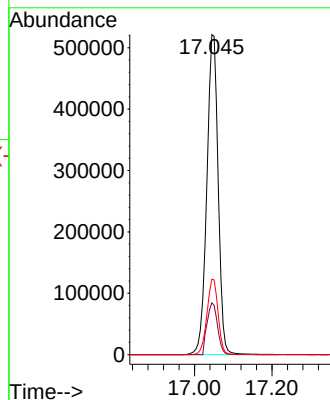
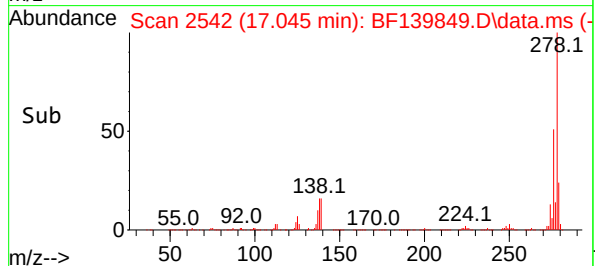
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 1058119
Ion Ratio Lower Upper
278 100
139 16.2 13.1 19.7
279 23.6 19.0 28.4

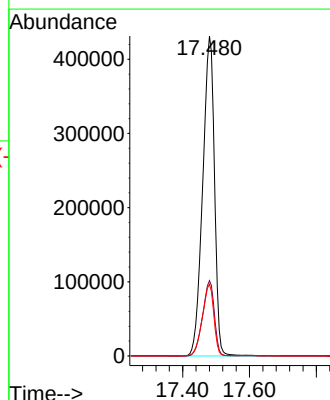
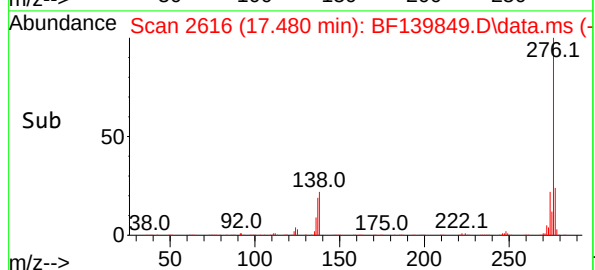
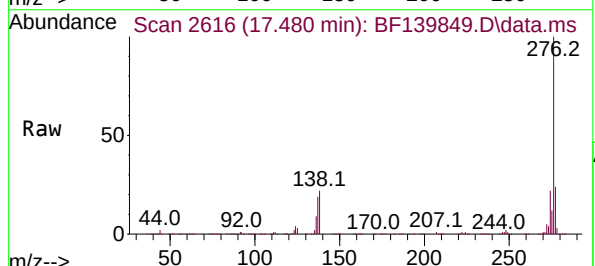
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 50.394 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:276 Resp: 1055618
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 22.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139850.D
 Acq On : 18 Oct 2024 13:17
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	189346	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	712033	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	389299	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	667372	20.000	ng	0.00
76) Chrysene-d12	14.057	240	337032	20.000	ng	0.00
86) Perylene-d12	15.527	264	377203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1347774	111.432	ng	0.00
7) Phenol-d6	6.516	99	1748088	111.592	ng	0.00
23) Nitrobenzene-d5	7.457	82	1523975	118.624	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	420891	115.586	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2475821	105.106	ng	0.00
79) Terphenyl-d14	13.004	244	2266127	109.563	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	330127	58.541	ng	98
3) Pyridine	3.446	79	798529	57.127	ng	99
4) n-Nitrosodimethylamine	3.410	42	451209	60.081	ng	98
6) Aniline	6.551	93	840113	57.544	ng	100
8) 2-Chlorophenol	6.675	128	693549	56.091	ng	96
9) Benzaldehyde	6.440	77	484510	54.980	ng	99
10) Phenol	6.528	94	909456m	55.317	ng	
11) bis(2-Chloroethyl)ether	6.628	93	709494	56.838	ng	99
12) 1,3-Dichlorobenzene	6.834	146	790296	55.679	ng	98
13) 1,4-Dichlorobenzene	6.910	146	790397	55.738	ng	99
14) 1,2-Dichlorobenzene	7.063	146	719470	54.363	ng	99
15) Benzyl Alcohol	7.028	79	650971	56.651	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1201584	56.453	ng	99
17) 2-Methylphenol	7.134	107	603882	57.276	ng	99
18) Hexachloroethane	7.404	117	290250	57.398	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	526516	55.418	ng	99
20) 3+4-Methylphenols	7.293	107	738542	54.764	ng	93
22) Acetophenone	7.304	105	969975	55.618	ng	99
24) Nitrobenzene	7.475	77	828015	58.785	ng	98
25) Isophorone	7.716	82	1409786	57.816	ng	100
26) 2-Nitrophenol	7.787	139	344300	64.793	ng	100
27) 2,4-Dimethylphenol	7.822	122	500332	56.468	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	832755	56.369	ng	99
29) 2,4-Dichlorophenol	8.028	162	584871	57.952	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	635946	56.947	ng	99
31) Naphthalene	8.198	128	2016330	54.907	ng	99
32) Benzoic acid	7.945	122	502169	64.980	ng	98
33) 4-Chloroaniline	8.245	127	695566	55.548	ng	99
34) Hexachlorobutadiene	8.316	225	399483	56.934	ng	99
35) Caprolactam	8.622	113	188948	58.880	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	646732	57.872	ng	100
37) 2-Methylnaphthalene	8.887	142	1245977	55.401	ng	99
38) 1-Methylnaphthalene	8.987	142	1211981	54.926	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	591461	56.315	ng	100
41) Hexachlorocyclopentadiene	9.039	237	216567	59.262	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	447702	60.209	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139850.D
 Acq On : 18 Oct 2024 13:17
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	431080	56.191	ng	99
46) 1,1'-Biphenyl	9.351	154	1474193	54.396	ng	99
47) 2-Chloronaphthalene	9.375	162	1214856	55.657	ng	98
48) 2-Nitroaniline	9.469	65	423080	63.375	ng	97
49) Acenaphthylene	9.792	152	1758248	55.718	ng	99
50) Dimethylphthalate	9.657	163	1358812	56.037	ng	100
51) 2,6-Dinitrotoluene	9.710	165	320076	60.963	ng	97
52) Acenaphthene	9.969	154	1148095	56.242	ng	98
53) 3-Nitroaniline	9.881	138	328790	60.726	ng	98
54) 2,4-Dinitrophenol	9.981	184	131611	61.938	ng #	29
55) Dibenzofuran	10.139	168	1605572	54.819	ng	100
56) 4-Nitrophenol	10.028	139	256728	61.631	ng	100
57) 2,4-Dinitrotoluene	10.116	165	410361	63.558	ng	99
58) Fluorene	10.481	166	1192018	53.435	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	342475	56.946	ng	99
60) Diethylphthalate	10.351	149	1355992	56.954	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	606730	53.858	ng	98
62) 4-Nitroaniline	10.498	138	314525	61.507	ng	98
63) Azobenzene	10.633	77	1415762	56.090	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	184974	67.951	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1122831	56.214	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	392570	57.100	ng	98
68) Hexachlorobenzene	11.028	284	442187	57.187	ng	98
69) Atrazine	11.116	200	307149	56.767	ng	99
70) Pentachlorophenol	11.216	266	289014	61.587	ng	99
71) Phenanthrene	11.439	178	1721763	54.618	ng	99
72) Anthracene	11.492	178	1667221	54.206	ng	99
73) Carbazole	11.645	167	1545085	54.015	ng	99
74) Di-n-butylphthalate	11.975	149	1819929	55.069	ng	100
75) Fluoranthene	12.627	202	1671405	52.448	ng	99
77) Benzidine	12.745	184	205548	37.499	ng	99
78) Pyrene	12.857	202	1667489	56.522	ng	99
80) Butylbenzylphthalate	13.474	149	537039	60.719	ng	98
81) Benzo(a)anthracene	14.045	228	1250382	56.992	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	386072	60.353	ng	99
83) Chrysene	14.080	228	1163808	57.855	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	632594	63.749	ng	100
85) Di-n-octyl phthalate	14.651	149	1220737	67.634	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1500084	61.817	ng	99
88) Benzo(b)fluoranthene	15.098	252	1402395	61.033	ng	100
89) Benzo(k)fluoranthene	15.127	252	1051303	53.053	ng	100
90) Benzo(a)pyrene	15.468	252	1129942	59.764	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	1228124	60.667	ng	99
92) Benzo(g,h,i)perylene	17.486	276	1238955	61.272	ng	100

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

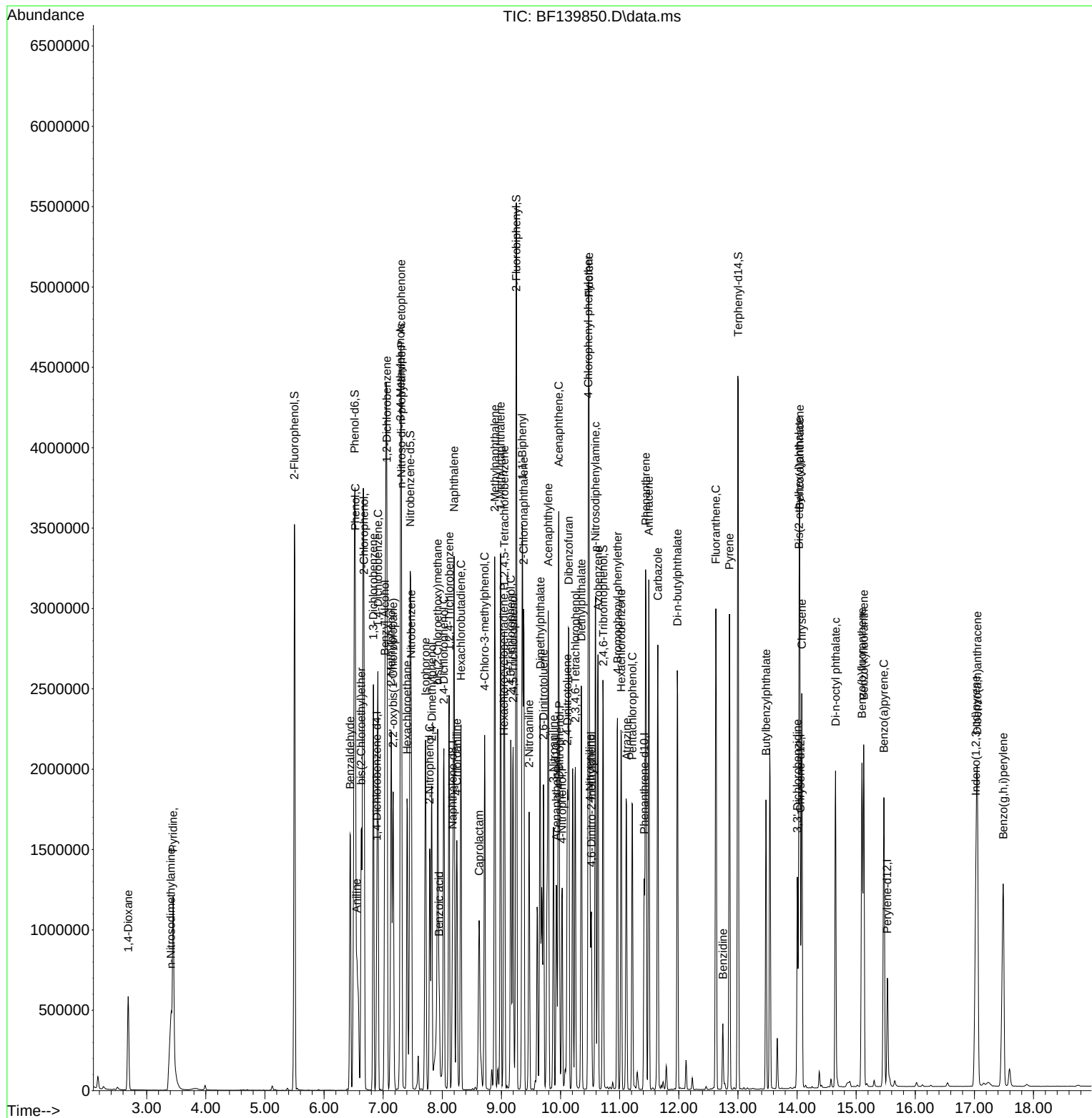
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139850.D
Acq On : 18 Oct 2024 13:17
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

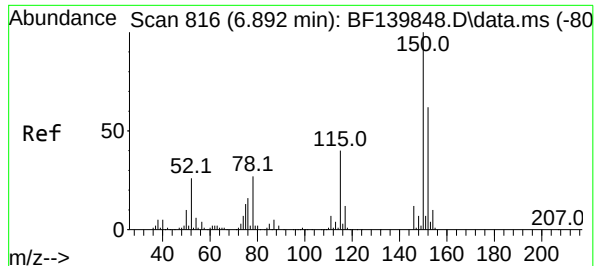
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

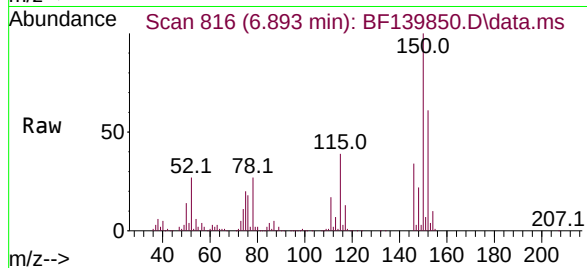
Quant Time: Oct 18 14:20:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

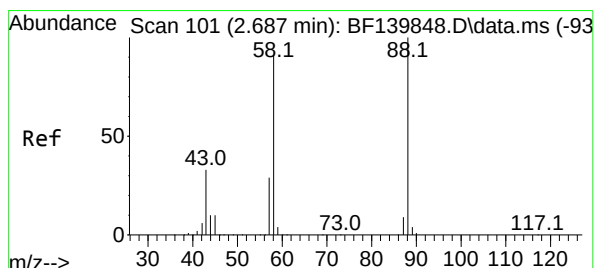
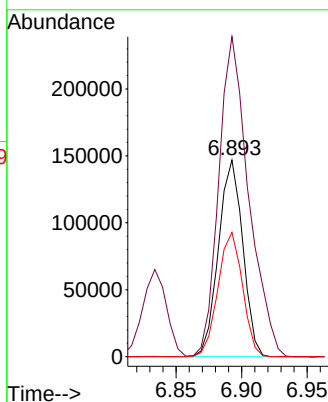
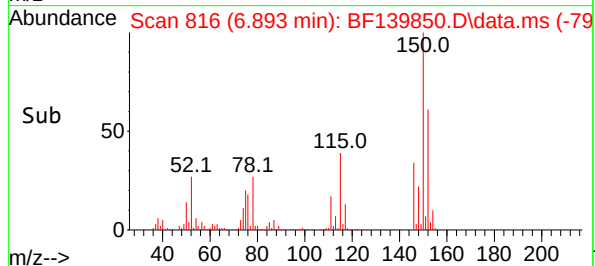
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 189340
Ion Ratio Lower Upper
152 100
150 162.7 130.2 195.2
115 63.2 51.4 77.2

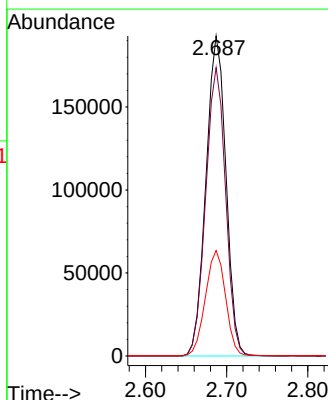
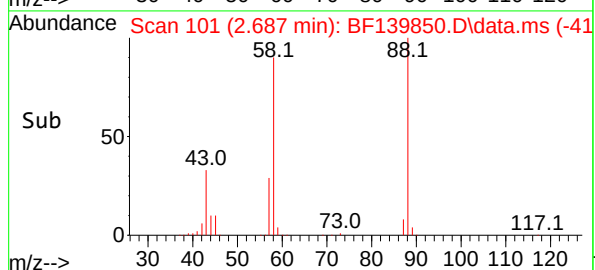
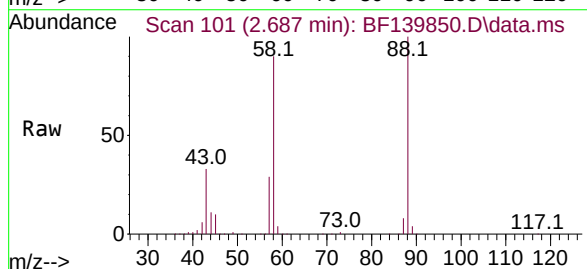
Manual Integrations
APPROVED

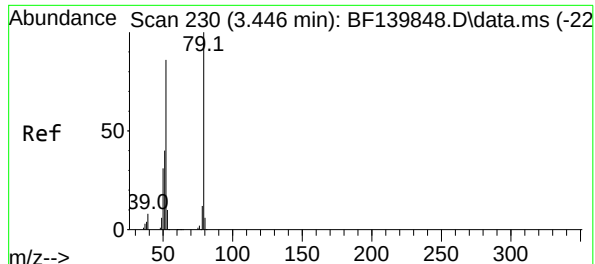
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 58.541 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 88 Resp: 330127
Ion Ratio Lower Upper
88 100
58 89.7 73.3 109.9
43 33.0 27.1 40.7





#3

Pyridine

Concen: 57.127 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

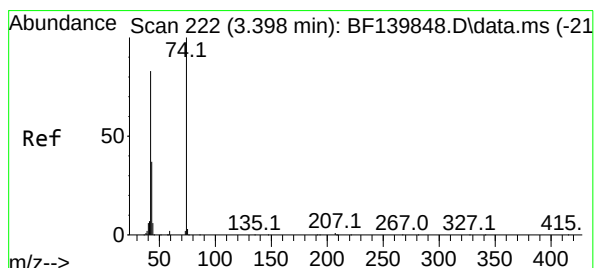
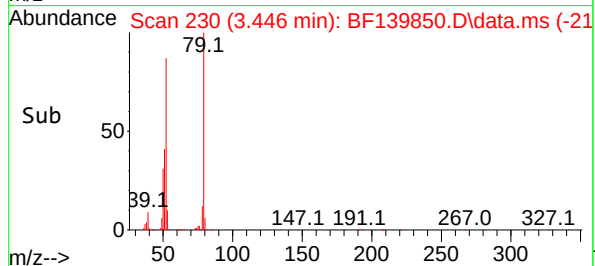
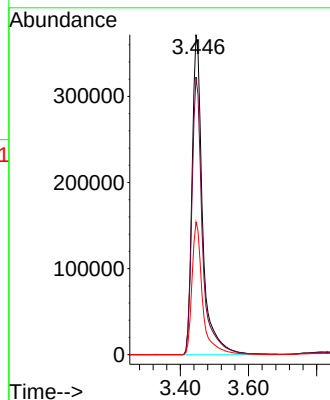
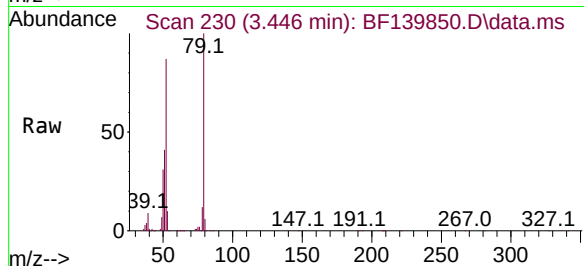
SSTDICC060

Tgt Ion: 79 Resp: 798529
Ion Ratio Lower Upper
79 100
52 86.8 68.5 102.7
51 41.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 60.081 ng

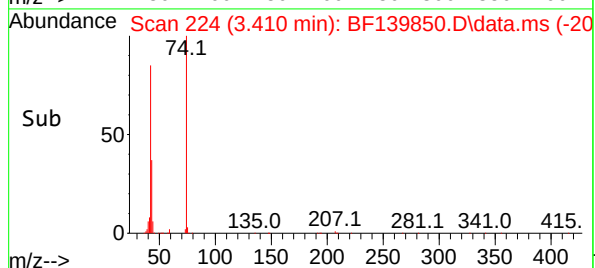
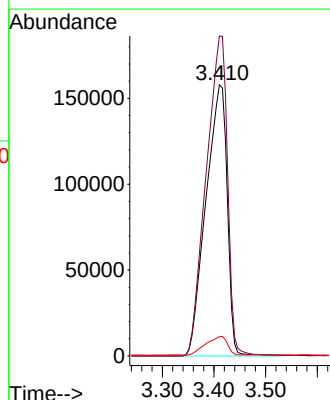
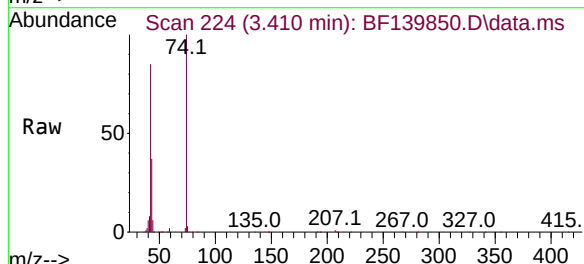
RT: 3.410 min Scan# 224

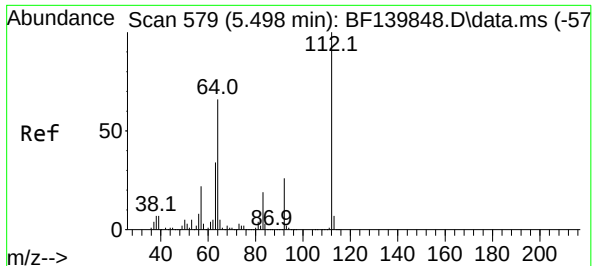
Delta R.T. 0.012 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

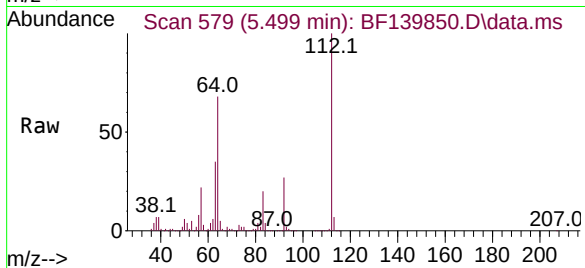
Tgt Ion: 42 Resp: 451209
Ion Ratio Lower Upper
42 100
74 118.0 96.2 144.4
44 7.1 6.2 9.2





#5
2-Fluorophenol
Concen: 111.432 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

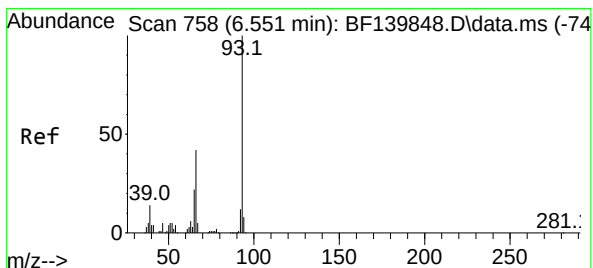
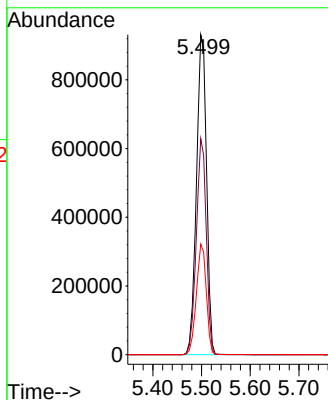
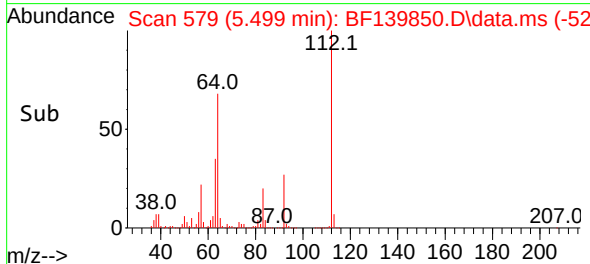
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 112 Resp: 1347774
Ion Ratio Lower Upper
112 100
64 67.5 53.0 79.6
63 34.5 27.0 40.4

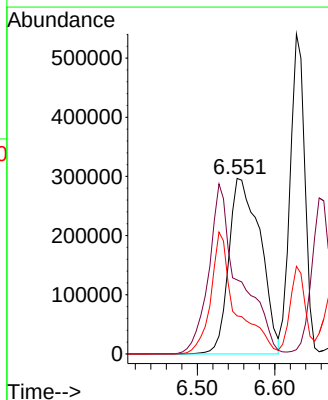
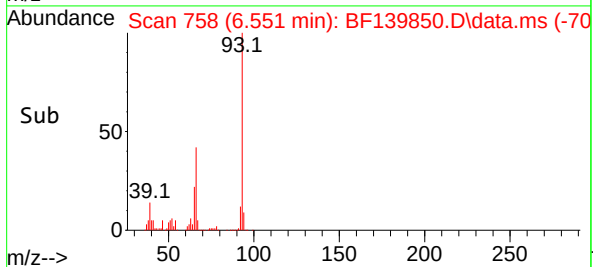
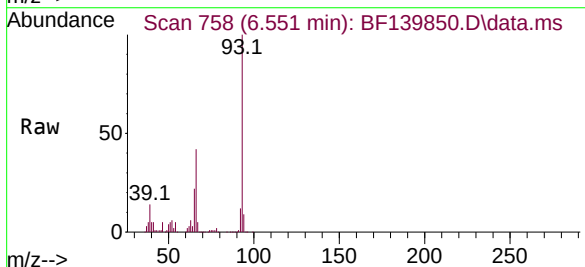
Manual Integrations
APPROVED

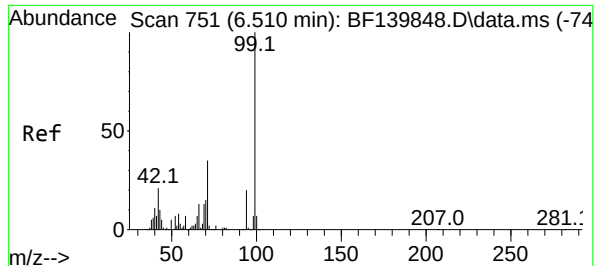
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 57.544 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

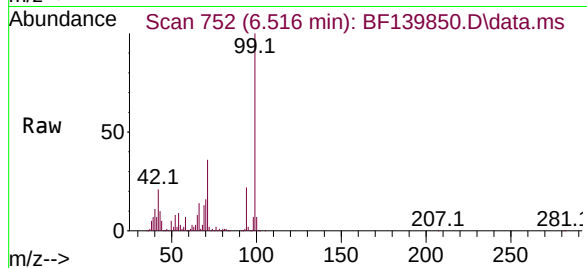
Tgt Ion: 93 Resp: 840113
Ion Ratio Lower Upper
93 100
66 42.2 34.0 51.0
65 21.7 17.4 26.0





#7
Phenol-d6
Concen: 111.592 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

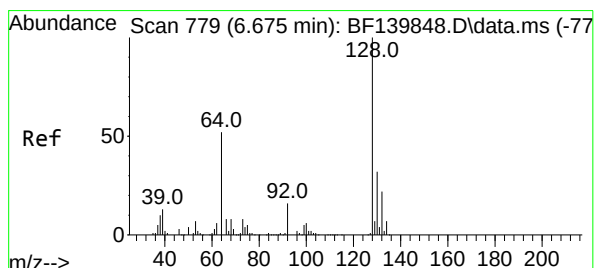
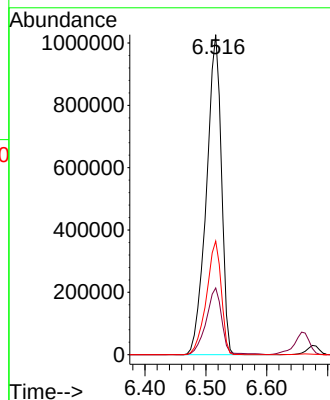
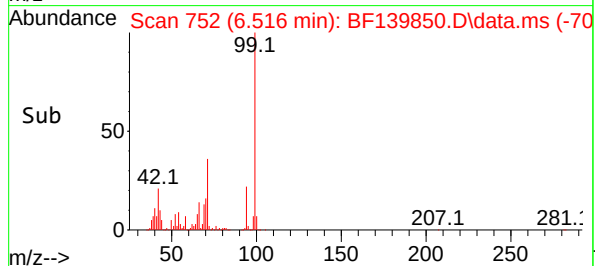
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 174808
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 35.5 27.7 41.5

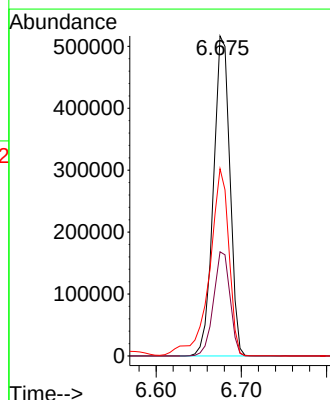
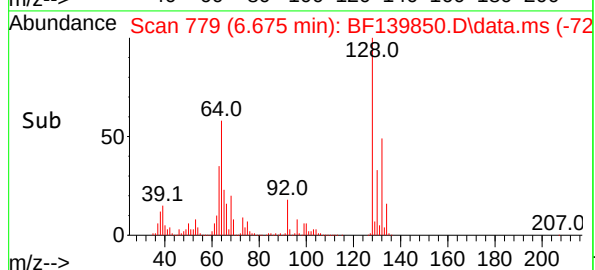
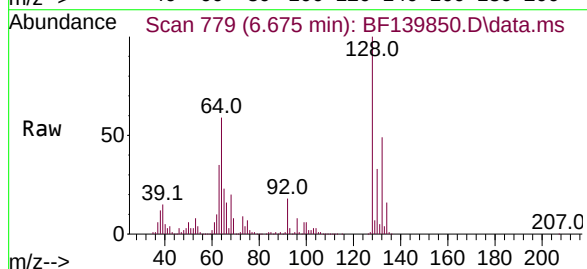
Manual Integrations
APPROVED

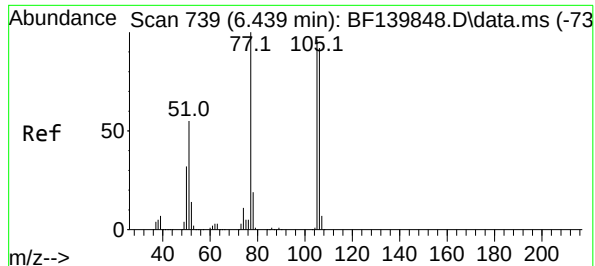
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 56.091 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:128 Resp: 693549
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 58.5 34.6 74.6





#9

Benzaldehyde

Concen: 54.980 ng

RT: 6.440 min Scan# 739

Delta R.T. 0.001 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 484510

Ion Ratio Lower Upper

77 100

105 95.6 75.5 115.5

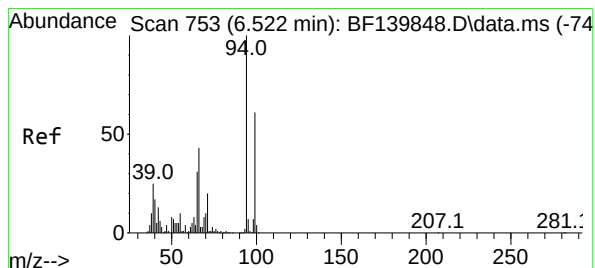
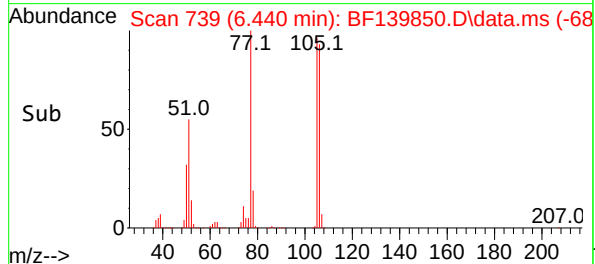
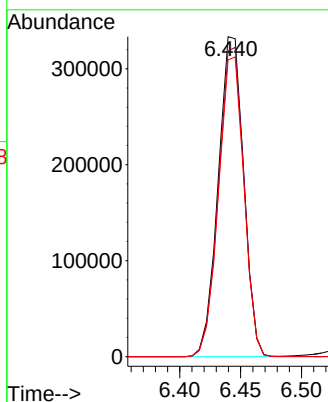
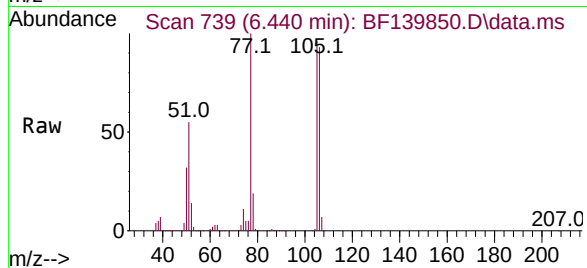
106 92.7 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 55.317 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

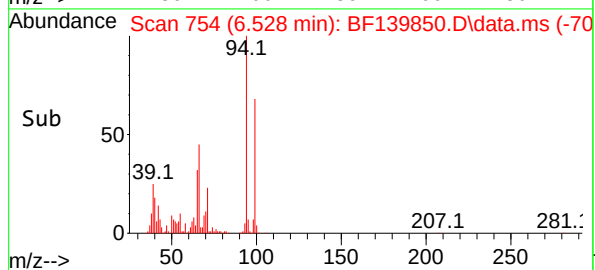
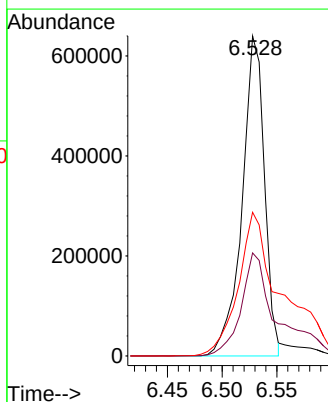
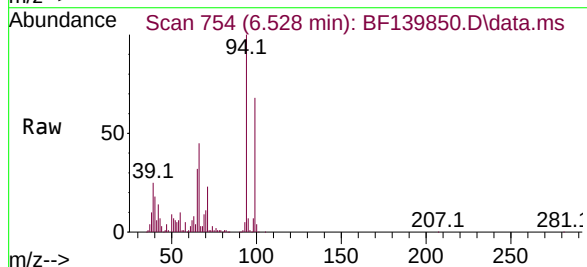
Tgt Ion: 94 Resp: 909456

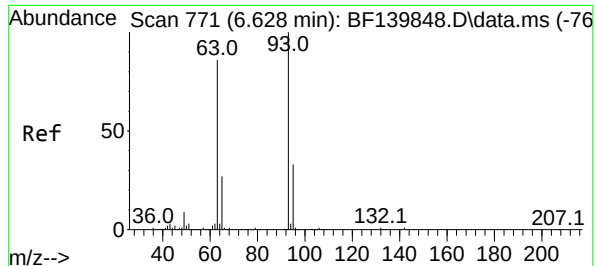
Ion Ratio Lower Upper

94 100

65 32.2 11.1 51.1

66 44.9 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 56.838 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 709494

Ion Ratio Lower Upper

93 100

63 86.7 65.0 105.0

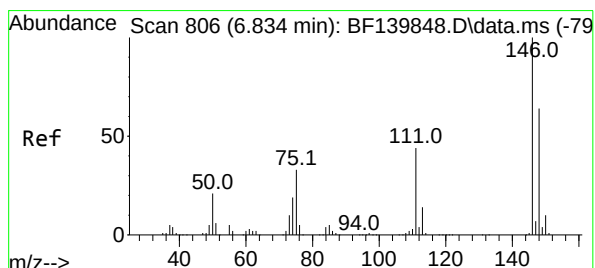
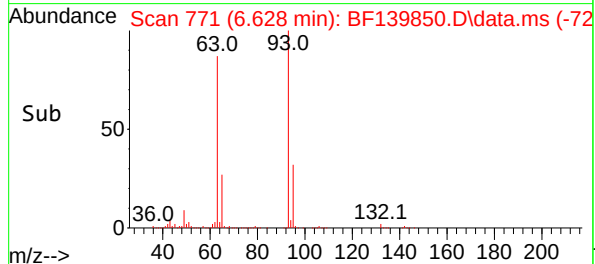
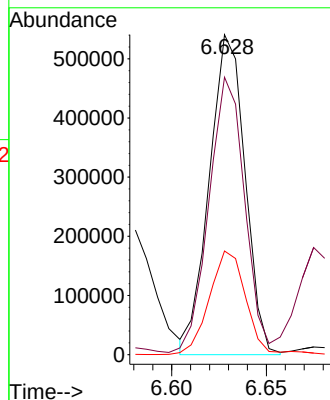
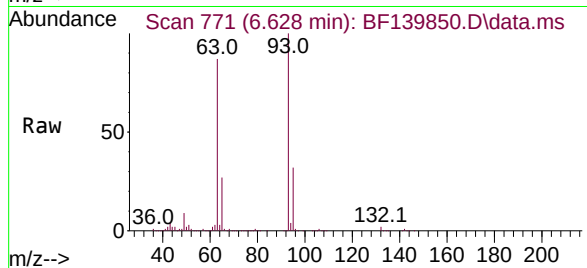
95 32.4 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#12

1,3-Dichlorobenzene

Concen: 55.679 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

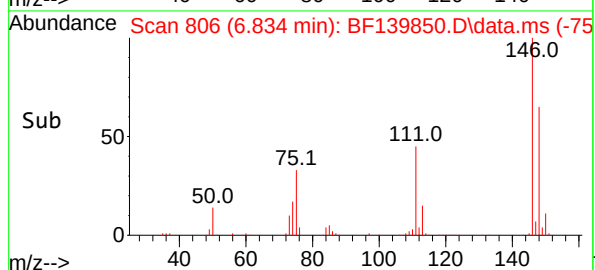
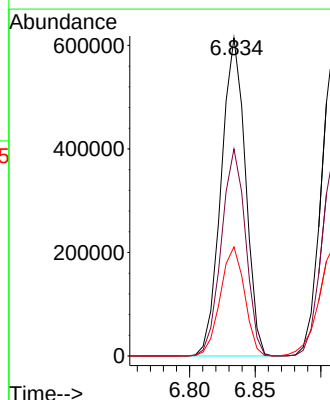
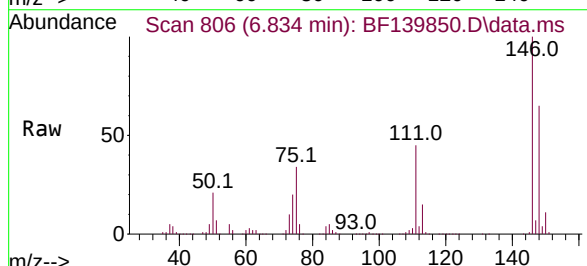
Tgt Ion:146 Resp: 790296

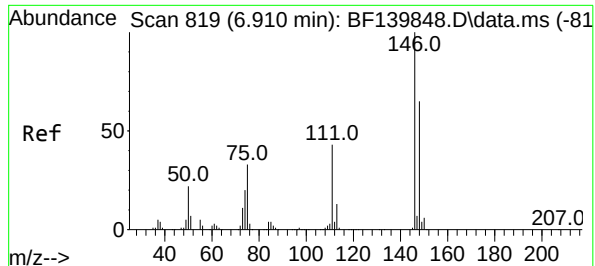
Ion Ratio Lower Upper

146 100

148 65.1 51.0 76.4

75 34.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 55.738 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 79039

Ion Ratio Lower Upper

146 100

148 64.4 51.8 77.8

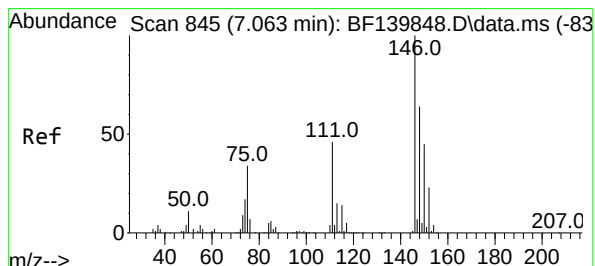
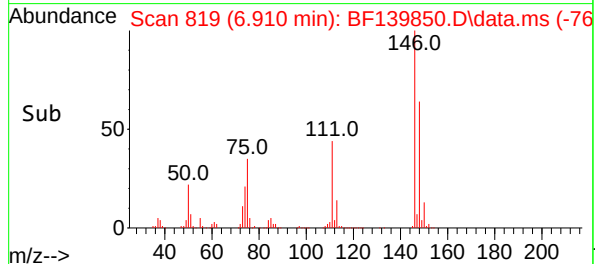
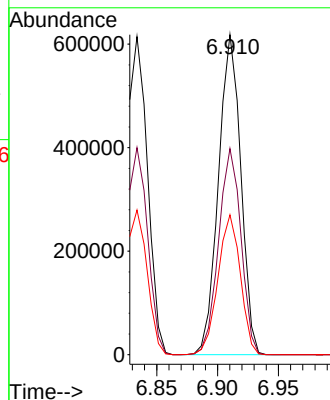
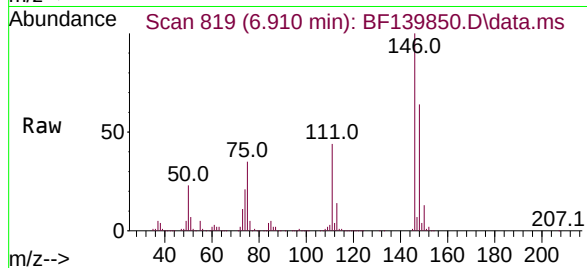
111 43.7 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 54.363 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

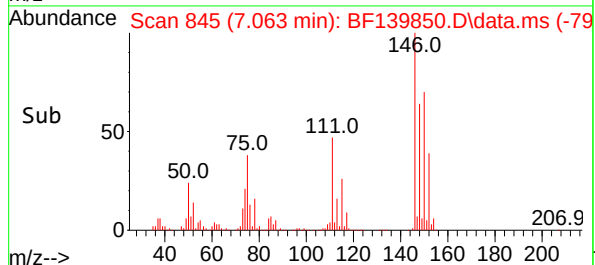
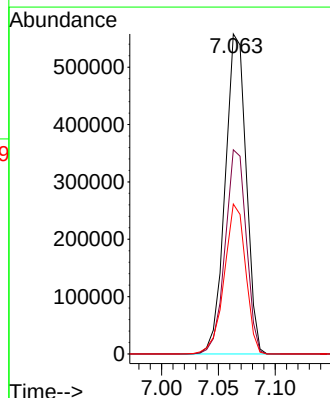
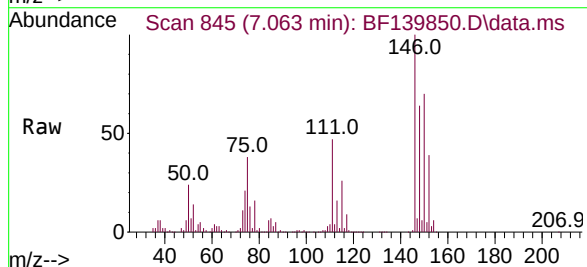
Tgt Ion:146 Resp: 719470

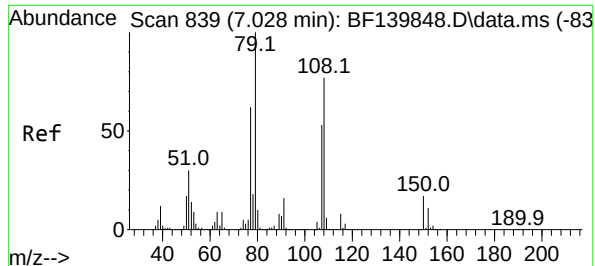
Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.2

111 46.8 36.7 55.1





#15

Benzyl Alcohol

Concen: 56.651 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 65097

Ion Ratio Lower Upper

79 100

108 74.3 61.4 92.0

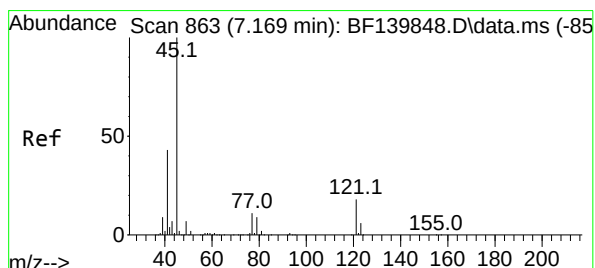
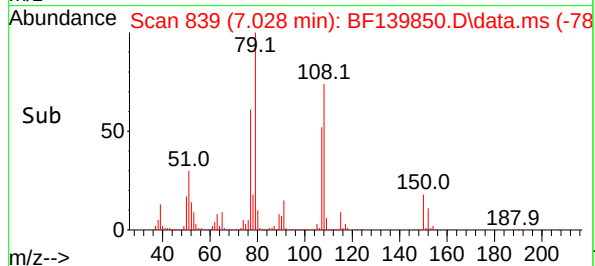
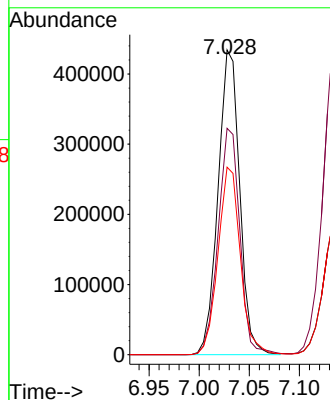
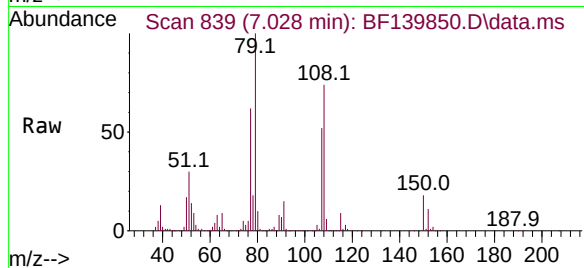
77 61.5 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 56.453 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

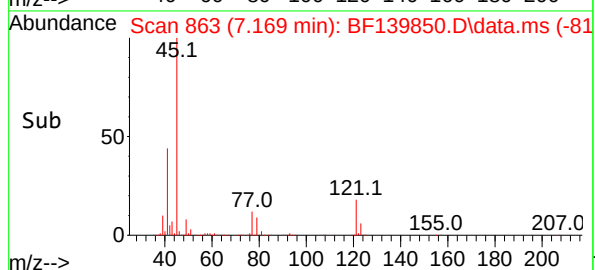
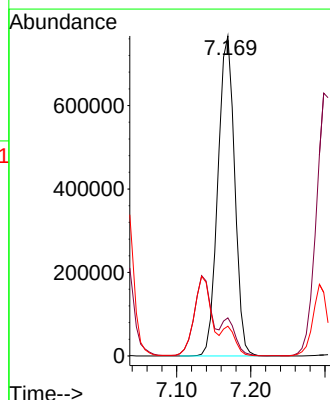
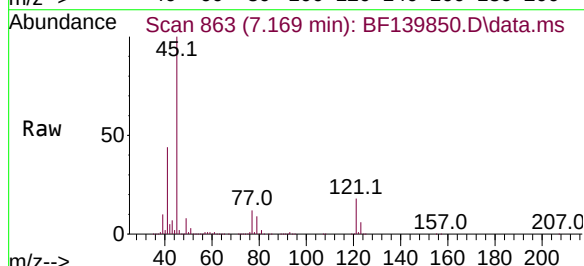
Tgt Ion: 45 Resp: 1201584

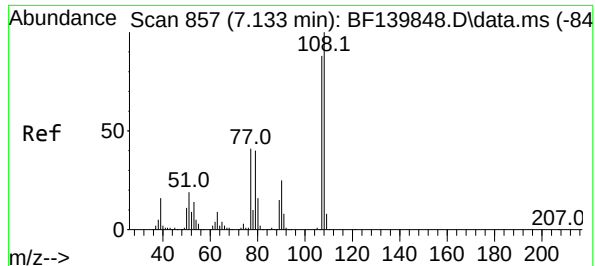
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.5

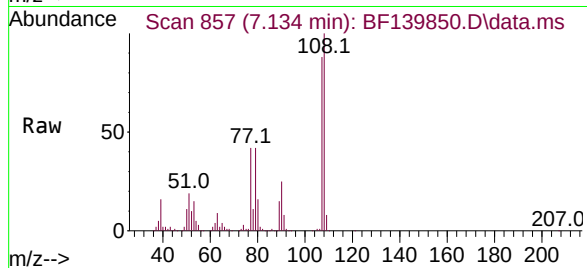
79 9.3 0.0 29.1





#17
2-Methylphenol
Concen: 57.276 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

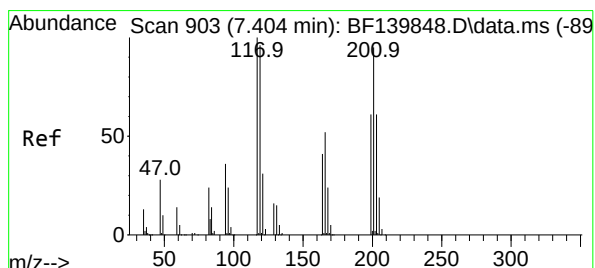
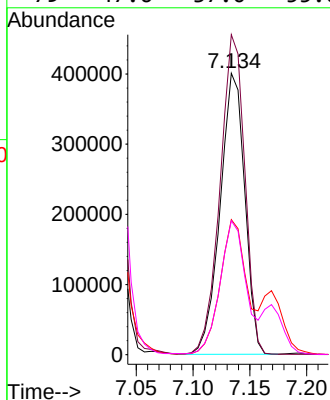
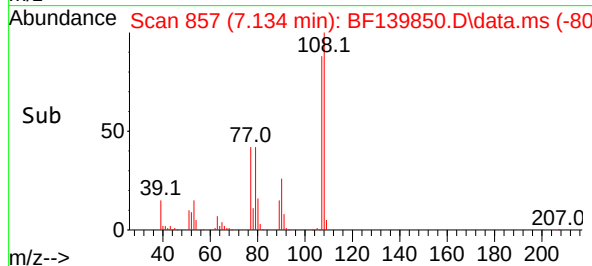
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 60388
Ion Ratio Lower Upper
107 100
108 113.7 91.3 136.9
77 48.0 37.1 55.7
79 47.6 37.0 55.6

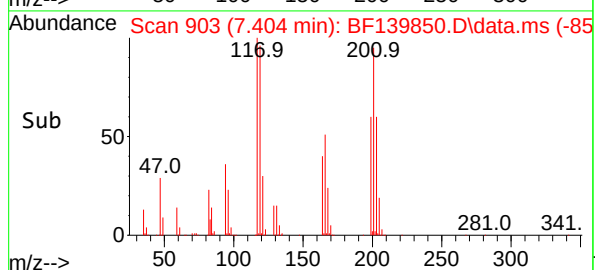
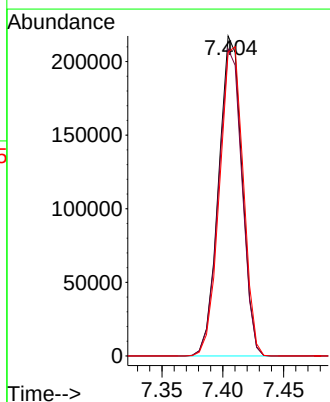
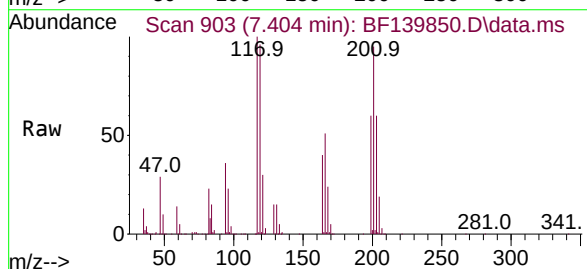
Manual Integrations
APPROVED

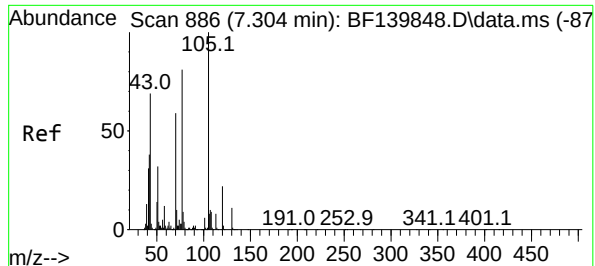
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 57.398 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

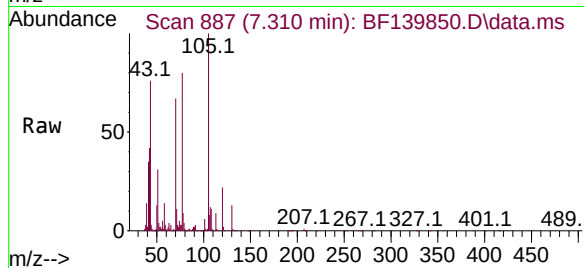
Tgt Ion:117 Resp: 290250
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
201 94.9 76.2 114.4





#19
n-Nitroso-di-n-propylamine
Concen: 55.418 ng
RT: 7.310 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

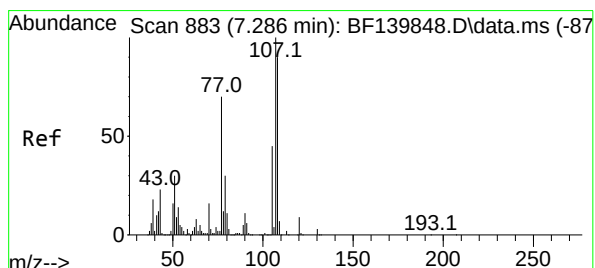
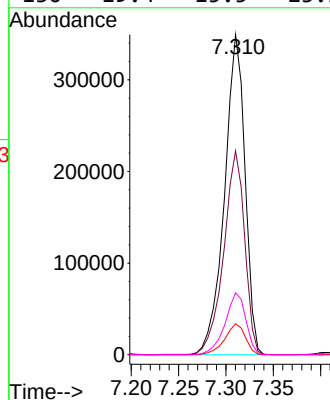
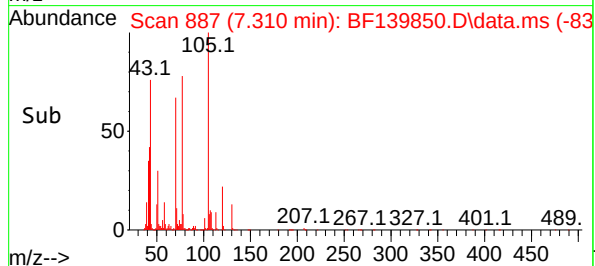
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 70 Resp: 526510
Ion Ratio Lower Upper
70 100
42 63.7 51.5 77.3
101 9.7 7.5 11.3
130 19.4 15.5 23.3

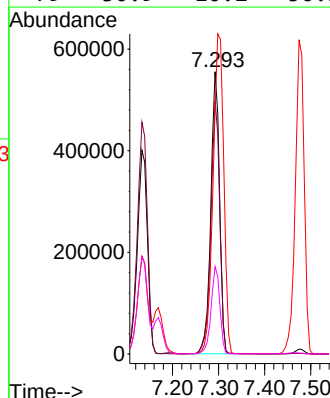
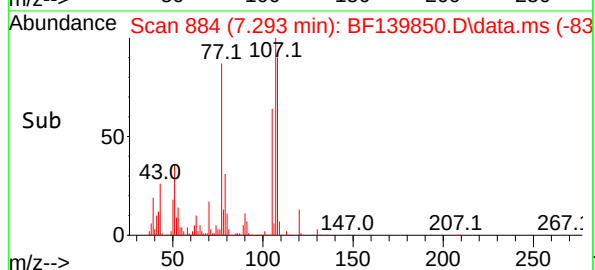
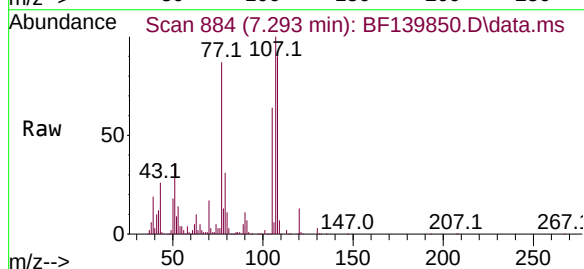
Manual Integrations
APPROVED

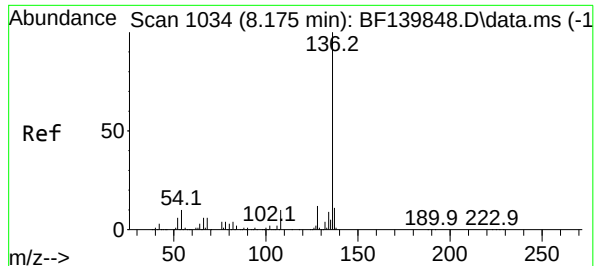
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#20
3+4-Methylphenols
Concen: 54.764 ng
RT: 7.293 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

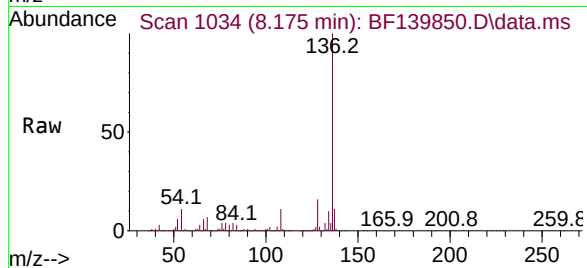
Tgt Ion:107 Resp: 738542
Ion Ratio Lower Upper
107 100
108 89.8 69.8 109.8
77 86.6 50.5 90.5
79 30.9 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

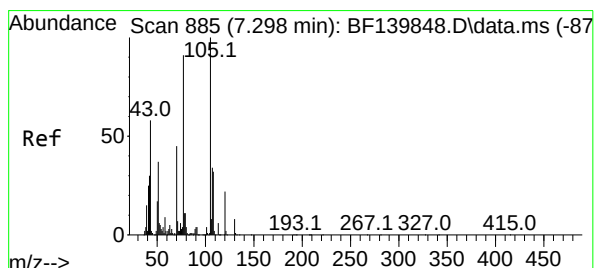
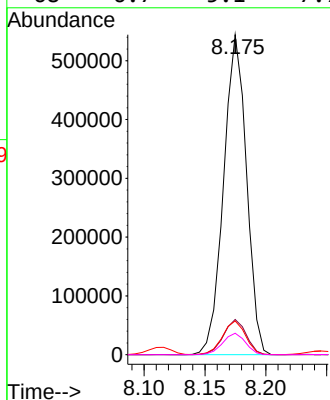
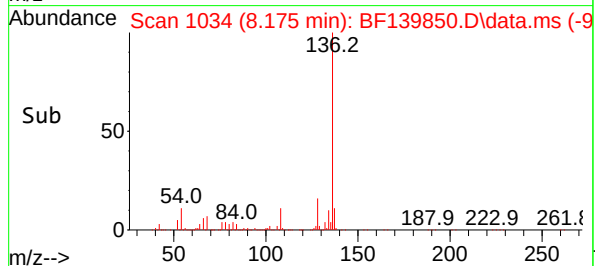
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 712033
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.6 8.4 12.6
68 6.7 5.1 7.7

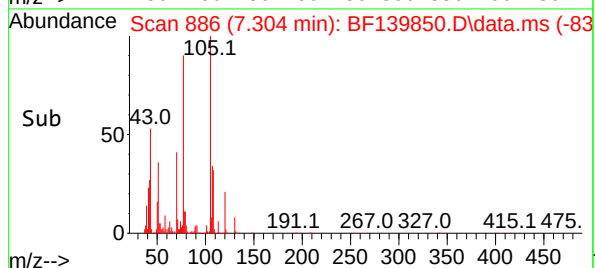
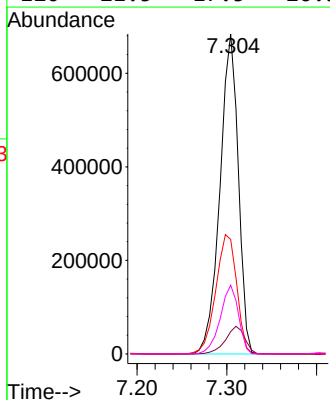
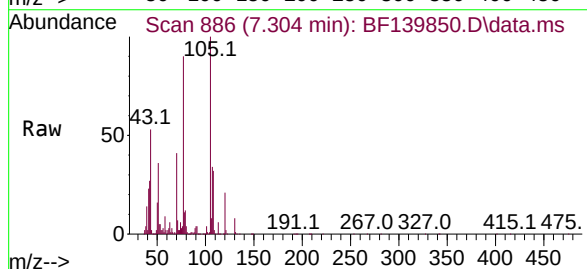
Manual Integrations
APPROVED

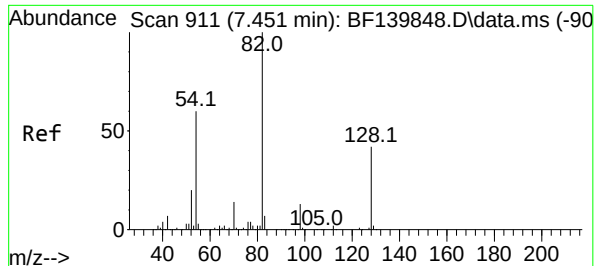
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#22
Acetophenone
Concen: 55.618 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:105 Resp: 969975
Ion Ratio Lower Upper
105 100
71 7.0 5.9 8.9
51 35.8 29.4 44.2
120 21.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 118.624 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 152397

Ion Ratio Lower Upper

82 100

128 42.1 33.4 50.0

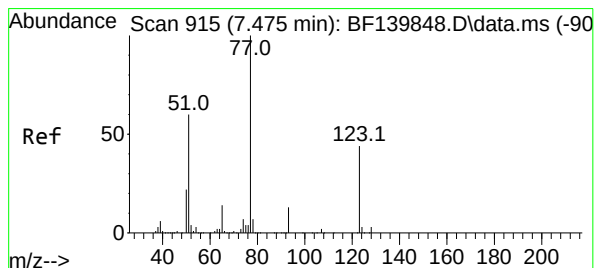
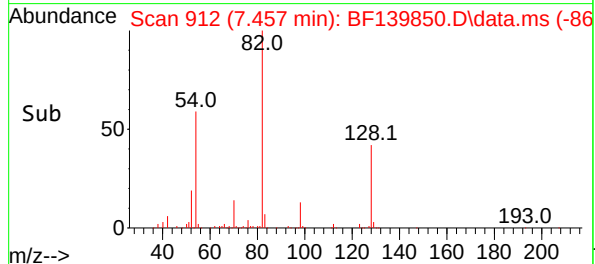
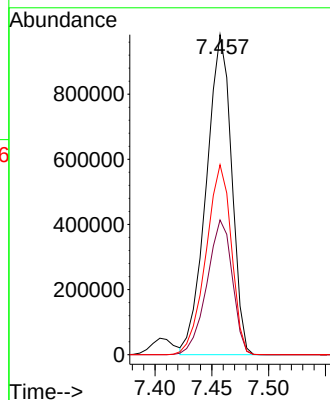
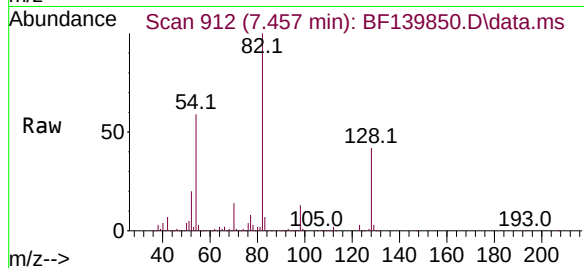
54 59.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 58.785 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

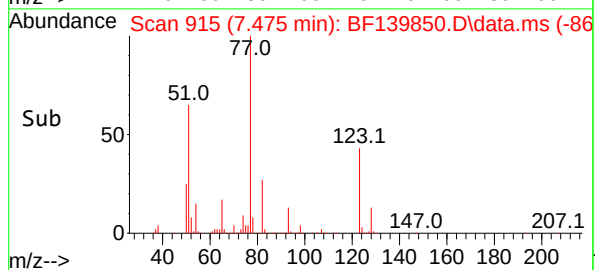
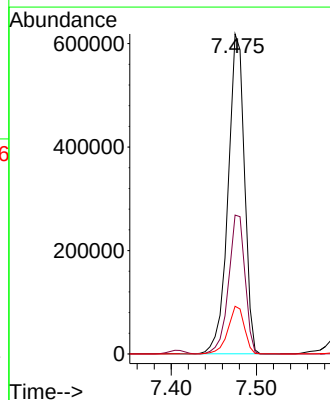
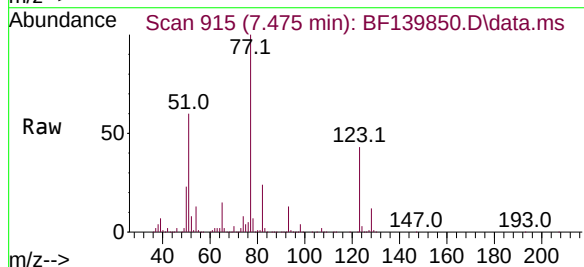
Tgt Ion: 77 Resp: 828015

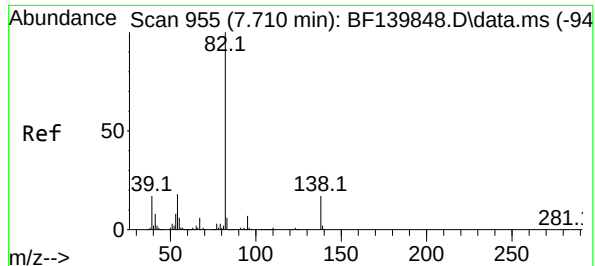
Ion Ratio Lower Upper

77 100

123 43.4 35.7 53.5

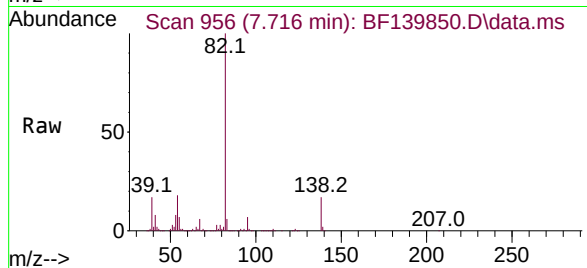
65 14.9 11.5 17.3





#25
Isophorone
Concen: 57.816 ng
RT: 7.716 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

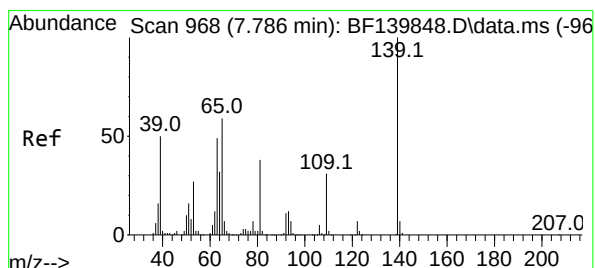
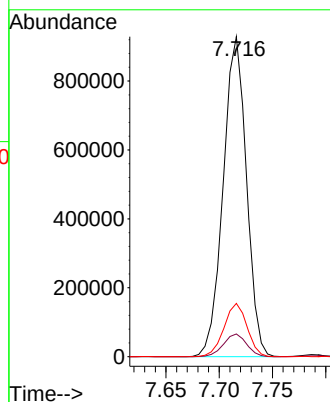
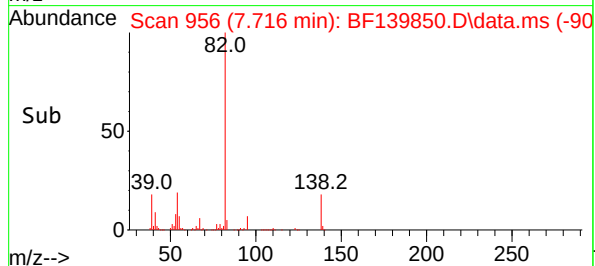
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 1409780
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.7 13.2 19.8

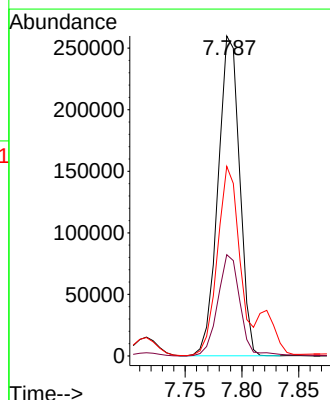
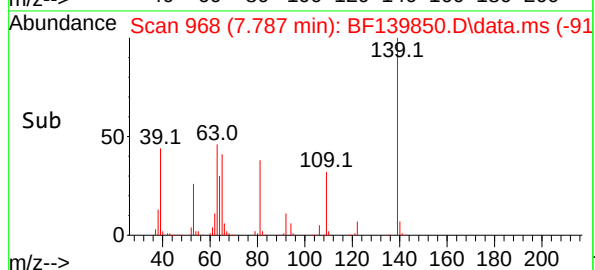
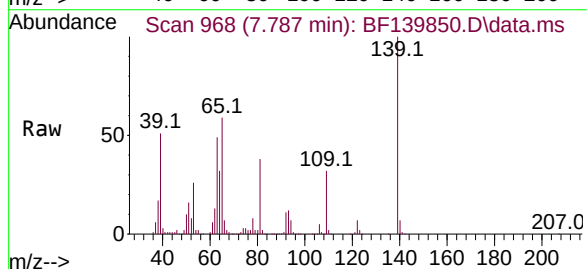
Manual Integrations
APPROVED

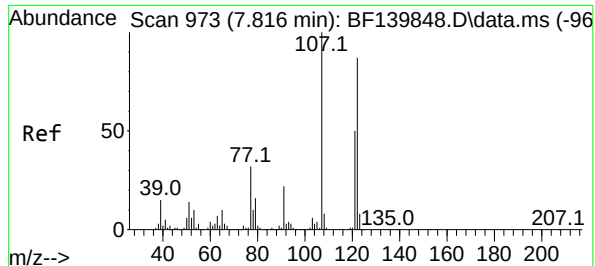
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#26
2-Nitrophenol
Concen: 64.793 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:139 Resp: 344300
Ion Ratio Lower Upper
139 100
109 31.6 25.1 37.7
65 59.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 56.468 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139850.D

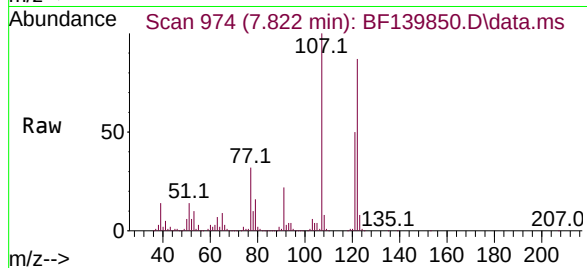
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:122 Resp: 50033

Ion Ratio Lower Upper

122 100

107 115.6 91.9 137.9

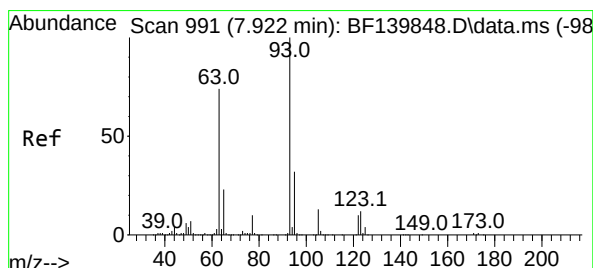
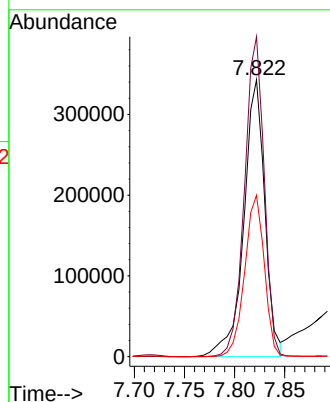
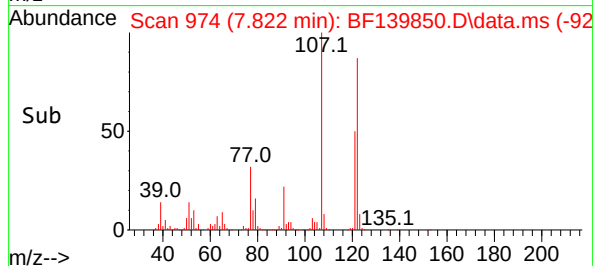
121 58.3 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 56.369 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

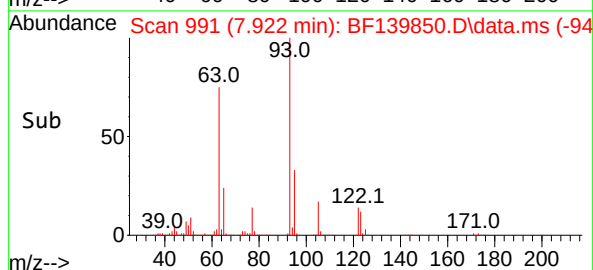
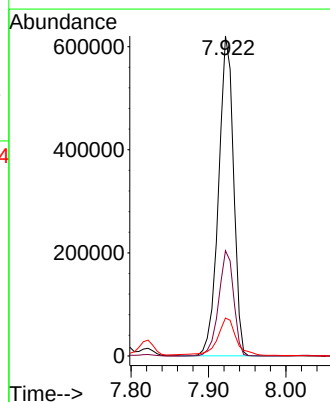
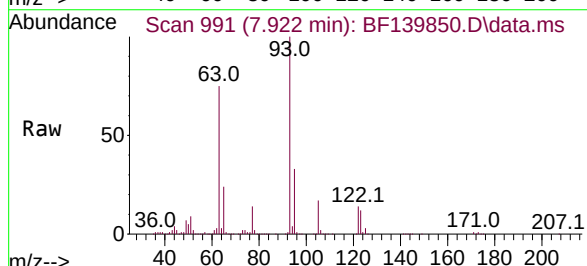
Tgt Ion: 93 Resp: 832755

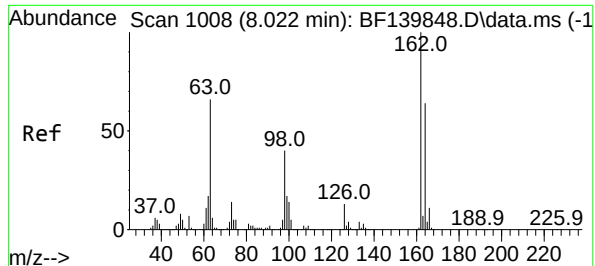
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.8 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 57.952 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 58487

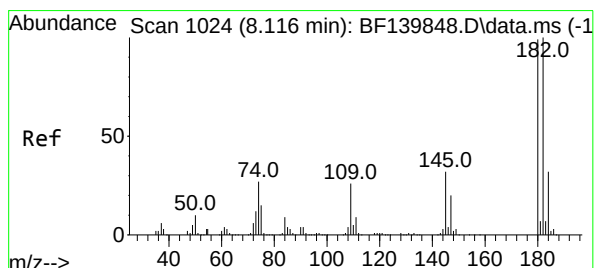
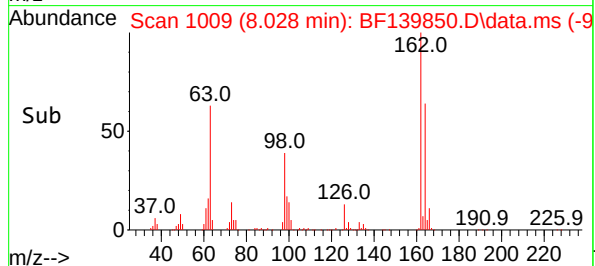
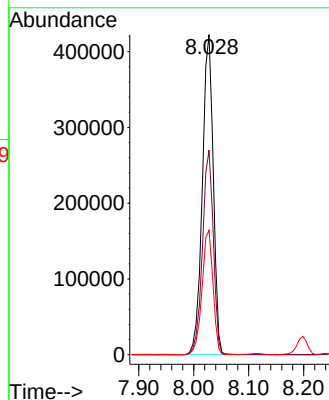
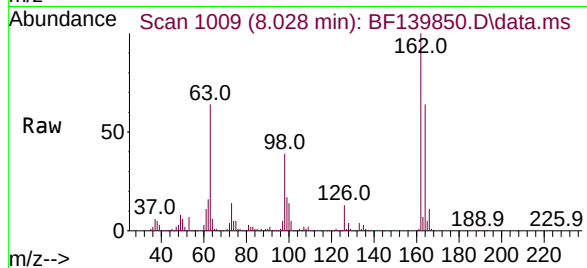
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	38.9	19.9	59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 56.947 ng

RT: 8.116 min Scan# 1024

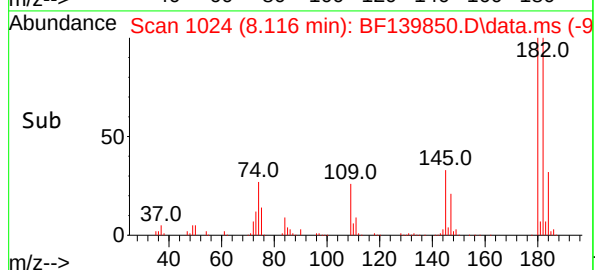
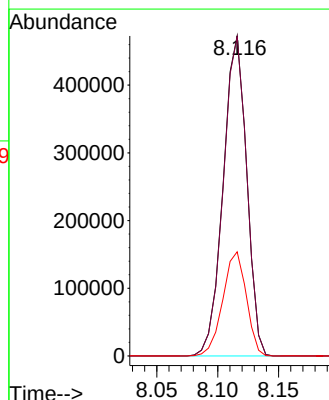
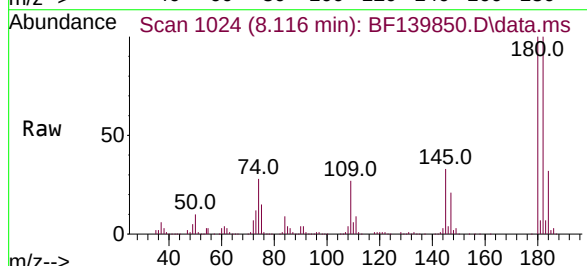
Delta R.T. 0.000 min

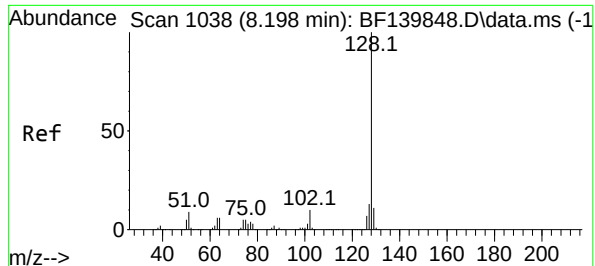
Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Tgt Ion:180 Resp: 635946

Ion	Ratio	Lower	Upper
180	100		
182	99.7	80.5	120.7
145	32.6	25.4	38.0





#31

Naphthalene

Concen: 54.907 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:128 Resp: 2016330

Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

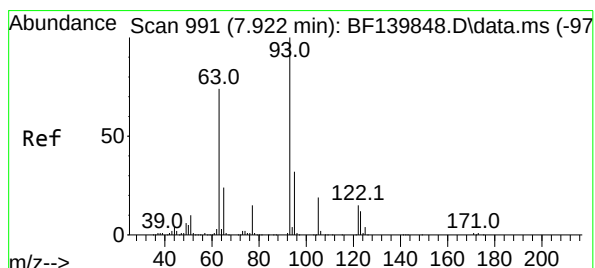
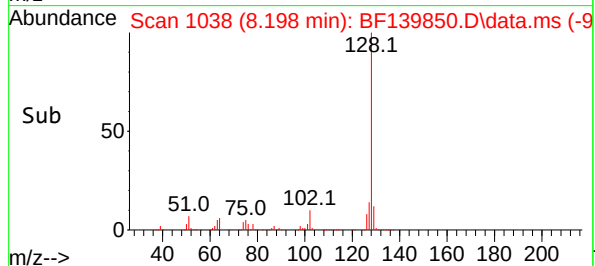
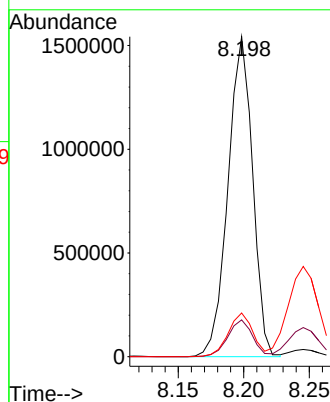
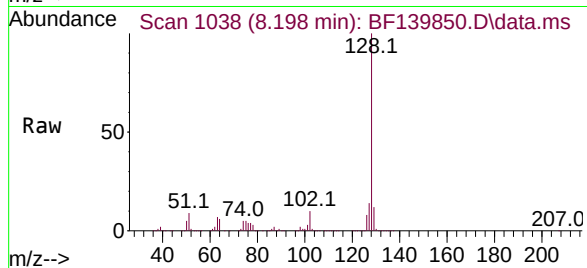
127 13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 64.980 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.023 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

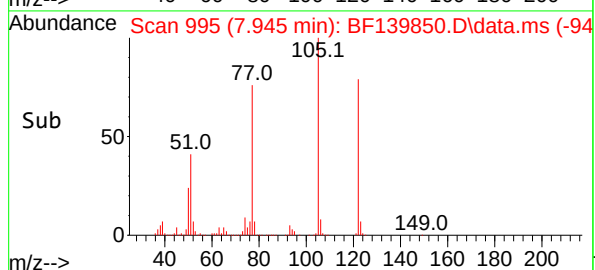
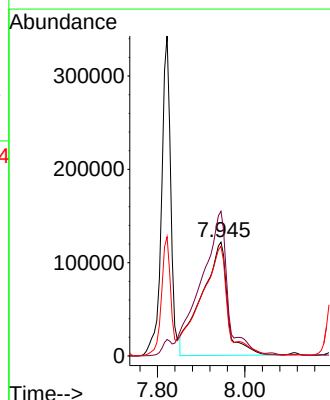
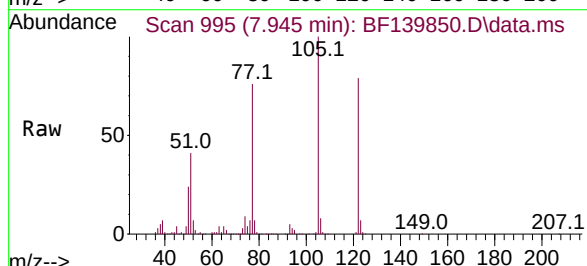
Tgt Ion:122 Resp: 502169

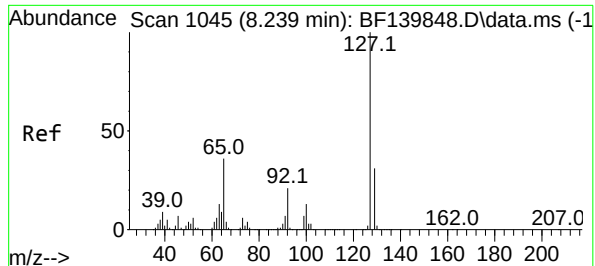
Ion Ratio Lower Upper

122 100

105 127.1 107.6 147.6

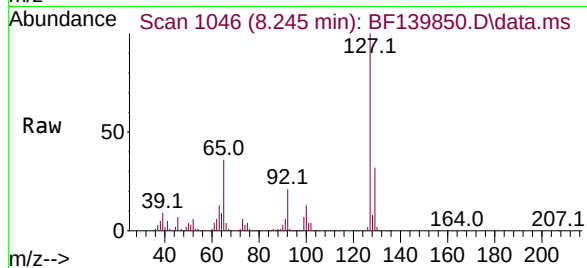
77 96.2 80.2 120.2





#33
4-Chloroaniline
Concen: 55.548 ng
RT: 8.245 min Scan# 1045
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

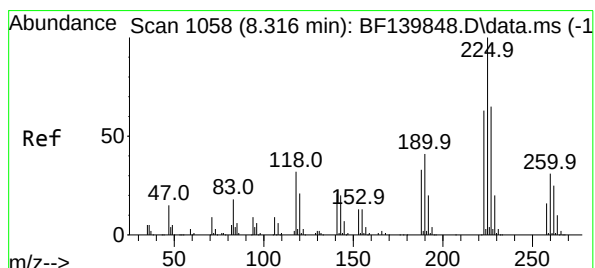
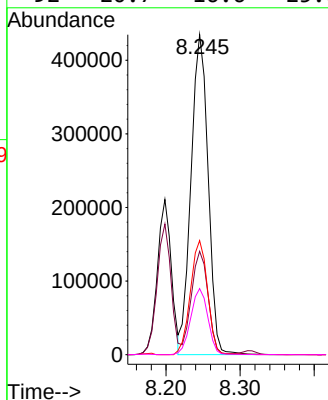
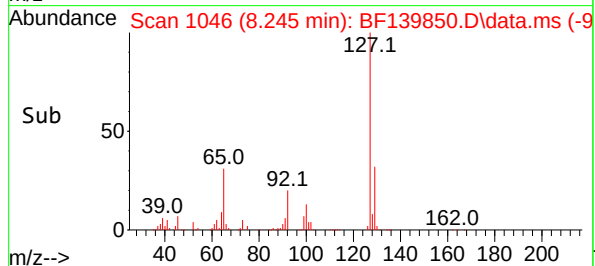
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:127 Resp: 695560
Ion Ratio Lower Upper
127 100
129 32.3 25.4 38.2
65 35.7 28.4 42.6
92 20.7 16.6 25.0

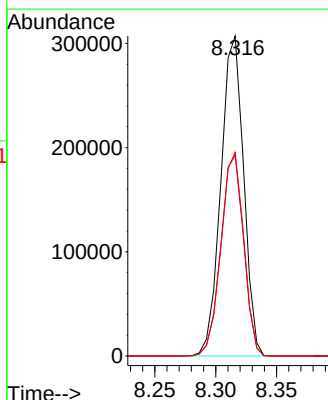
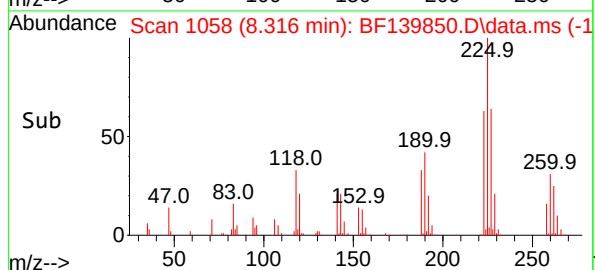
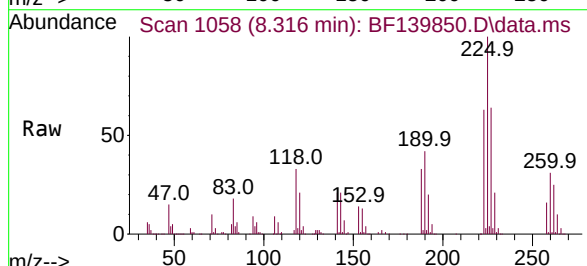
Manual Integrations
APPROVED

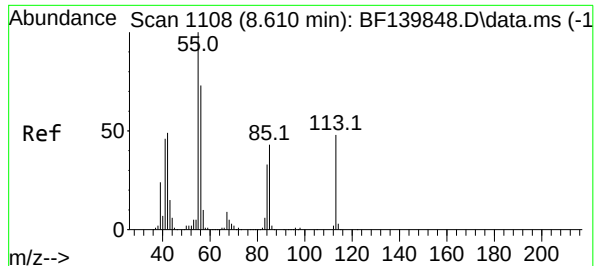
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 56.934 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

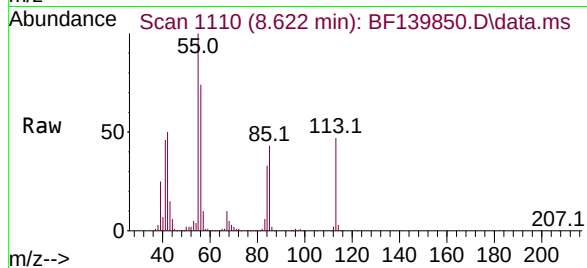
Tgt Ion:225 Resp: 399483
Ion Ratio Lower Upper
225 100
223 62.8 50.6 76.0
227 63.6 51.8 77.8





#35
Caprolactam
Concen: 58.880 ng
RT: 8.622 min Scan# 1110
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

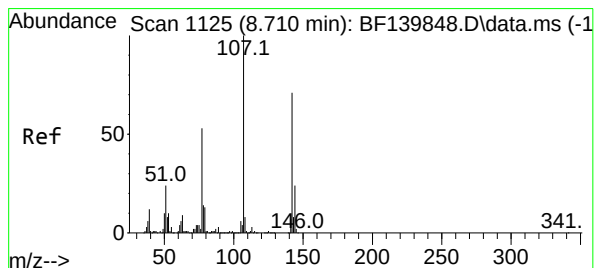
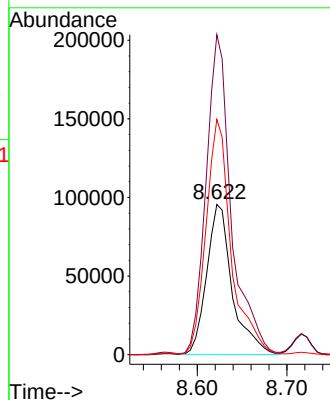
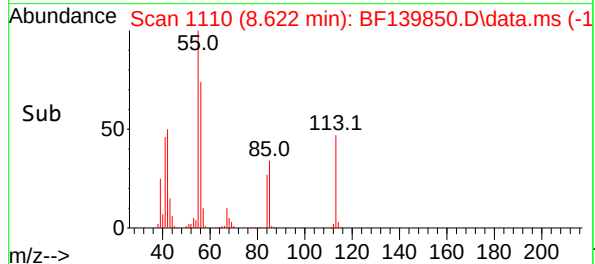
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 188948
Ion Ratio Lower Upper
113 100
55 213.0 189.2 229.2
56 156.6 132.5 172.5

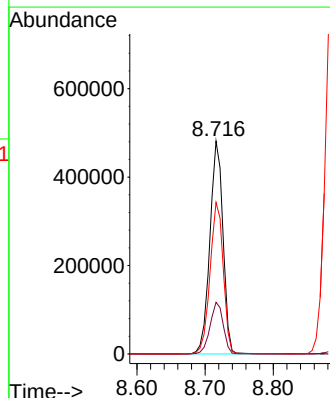
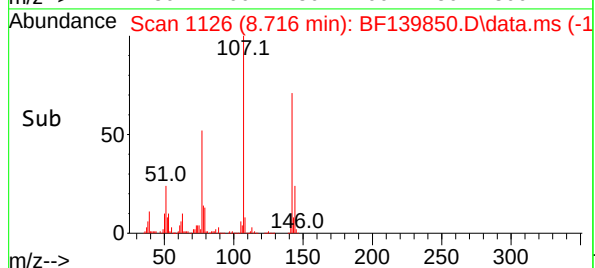
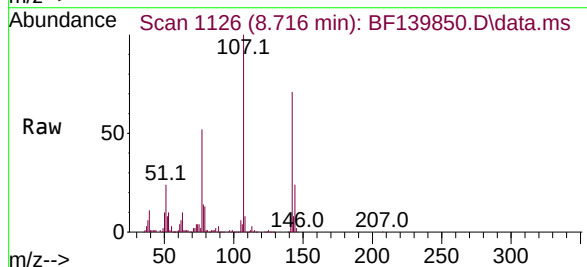
Manual Integrations
APPROVED

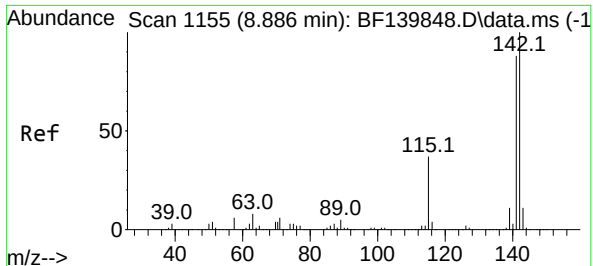
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#36
4-Chloro-3-methylphenol
Concen: 57.872 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 646732
Ion Ratio Lower Upper
107 100
144 24.3 19.1 28.7
142 71.2 57.2 85.8





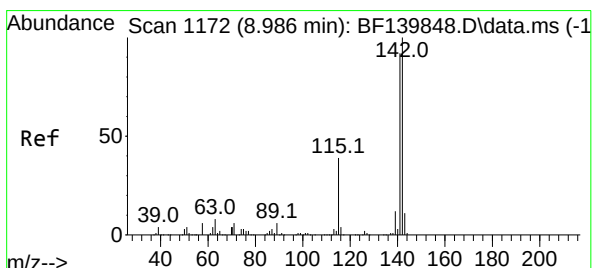
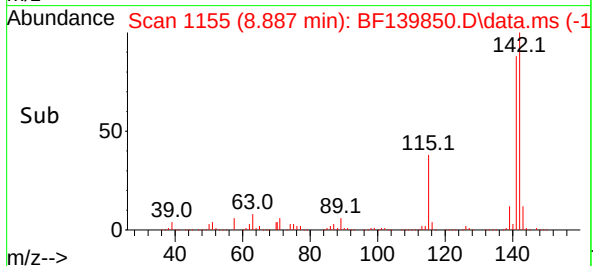
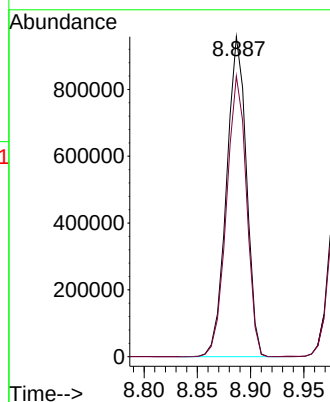
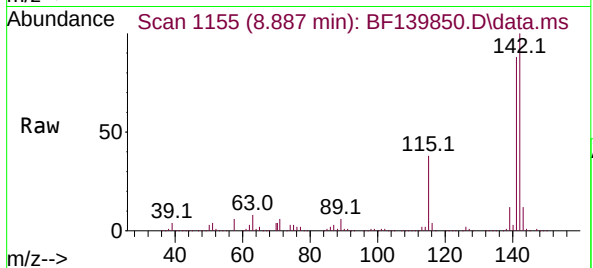
#37
2-Methylnaphthalene
Concen: 55.401 ng
RT: 8.887 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 124597
Ion Ratio Lower Upper
142 100
141 87.7 70.8 106.2

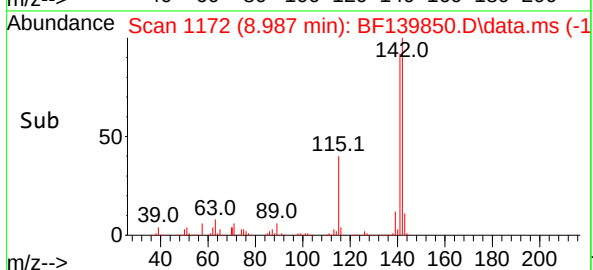
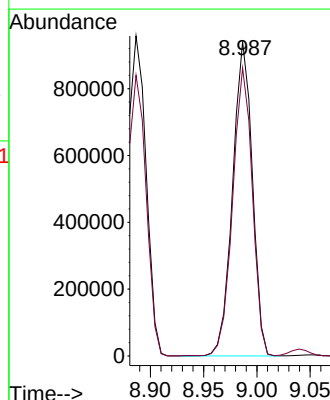
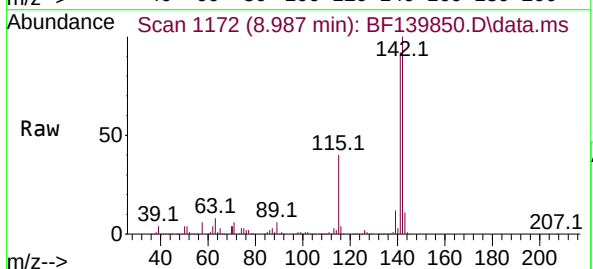
Manual Integrations
APPROVED

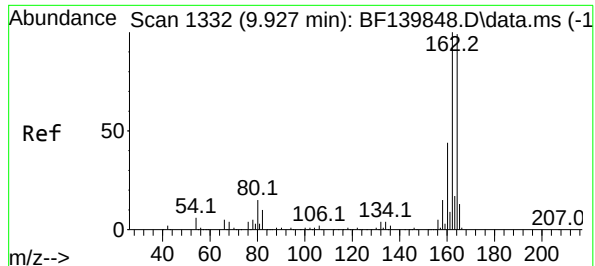
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#38
1-Methylnaphthalene
Concen: 54.926 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:142 Resp: 1211981
Ion Ratio Lower Upper
142 100
141 91.6 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139850.D

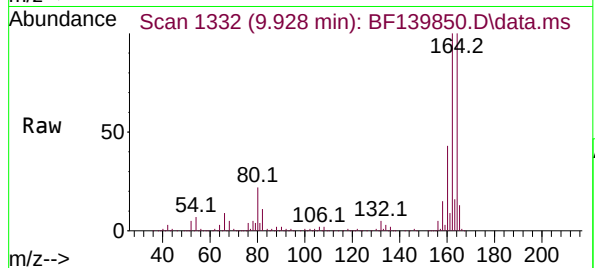
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 389299

Ion Ratio Lower Upper

164 100

162 100.1 81.0 121.4

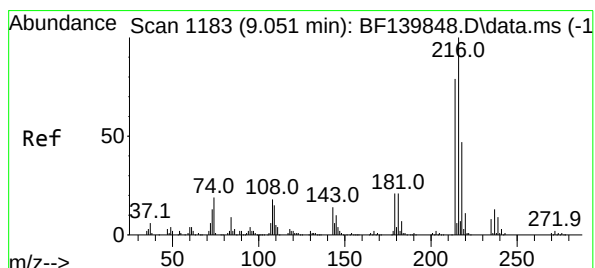
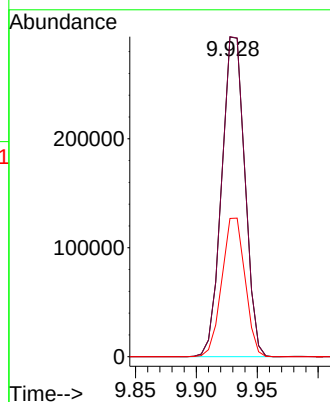
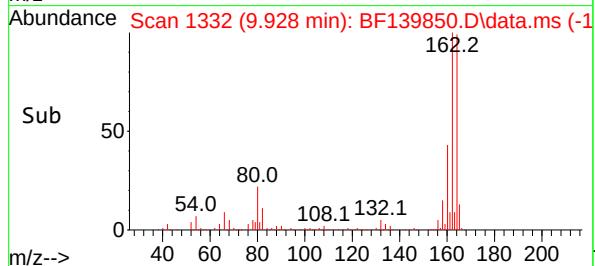
160 43.3 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#40

1,2,4,5-Tetrachlorobenzene

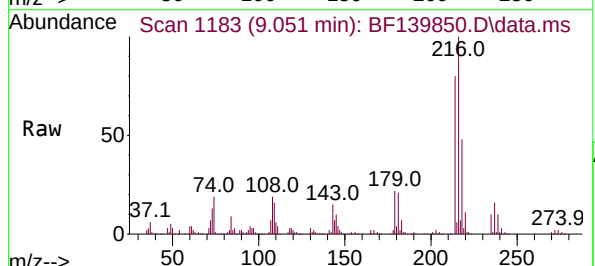
Concen: 56.315 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



Tgt Ion:216 Resp: 591461

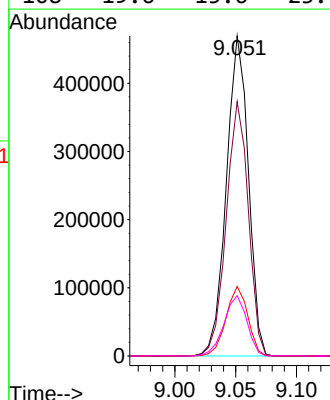
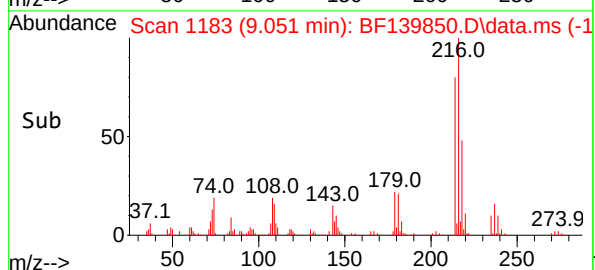
Ion Ratio Lower Upper

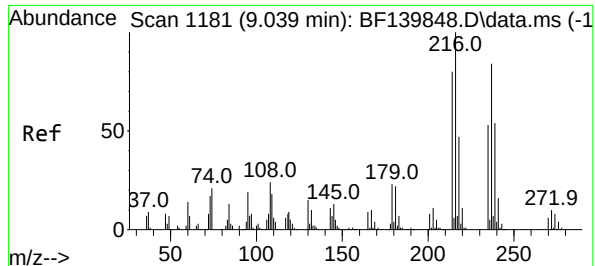
216 100

214 79.6 63.4 95.0

179 21.5 17.2 25.8

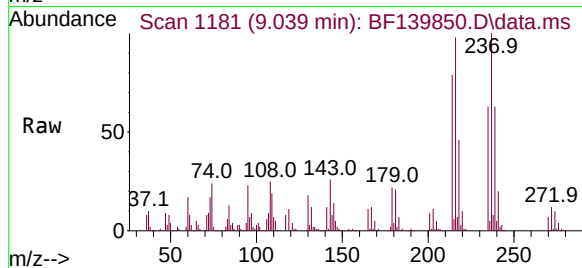
108 19.6 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 59.262 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

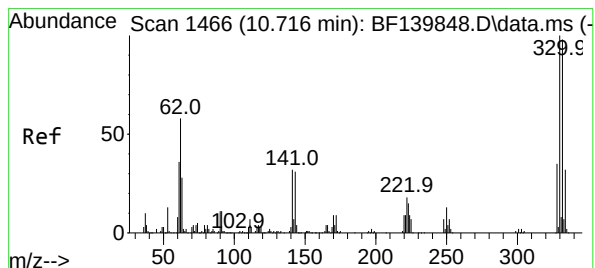
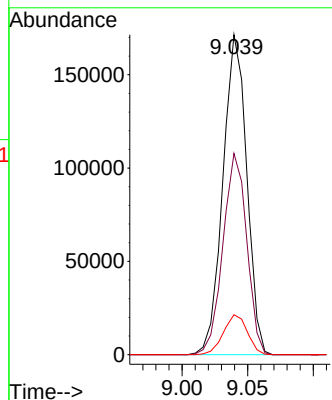
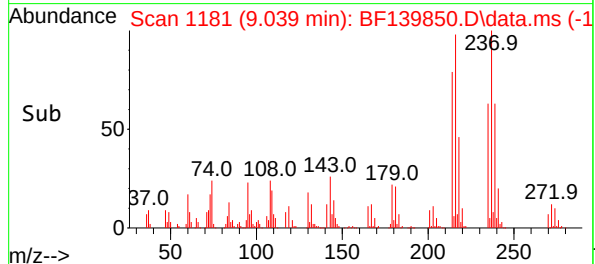
Instrument :
BNA_F
Client Sample Id :
SSTDICC060



Tgt Ion: 237 Resp: 21656
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.5 0.0 32.3

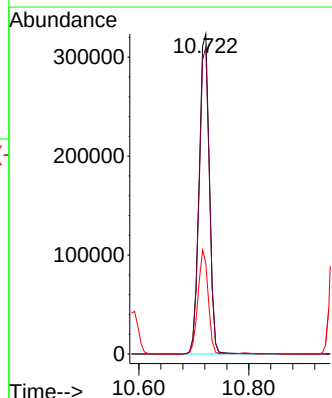
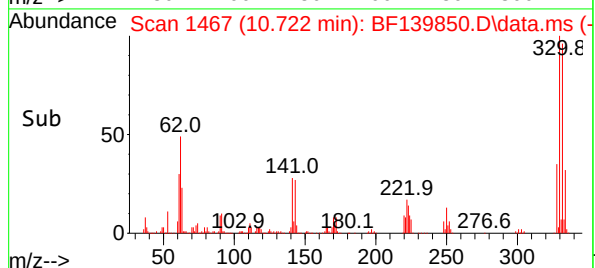
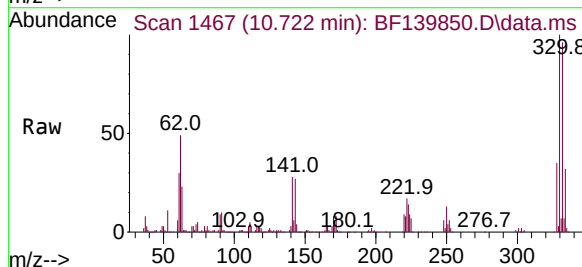
Manual Integrations
APPROVED

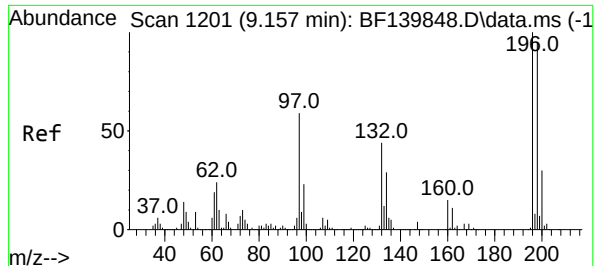
Reviewed By : Yogesh Patel 10/21/2024
Supervised By : mohammad ahmed 10/21/2024



#42
2,4,6-Tribromophenol
Concen: 115.586 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 330 Resp: 420891
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 32.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 60.209 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:196 Resp: 447702

Ion Ratio Lower Upper

196 100

198 94.1 76.2 114.2

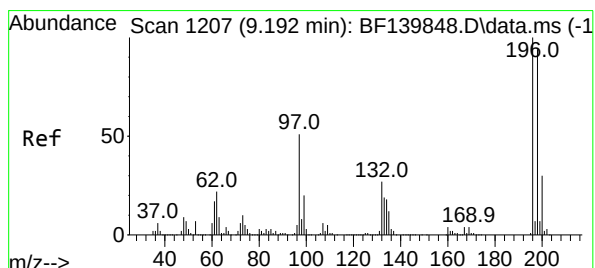
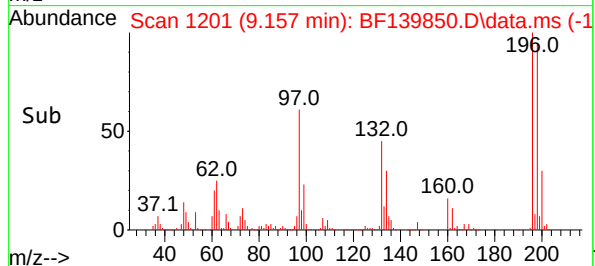
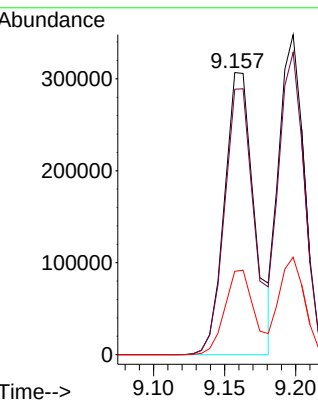
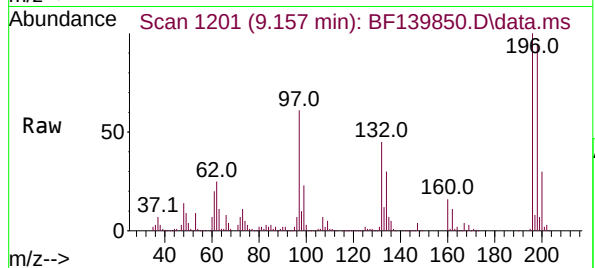
200 29.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 56.191 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Tgt Ion:196 Resp: 431080

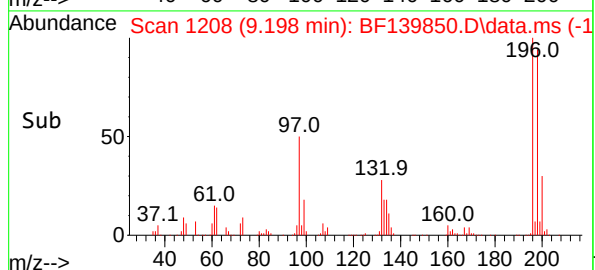
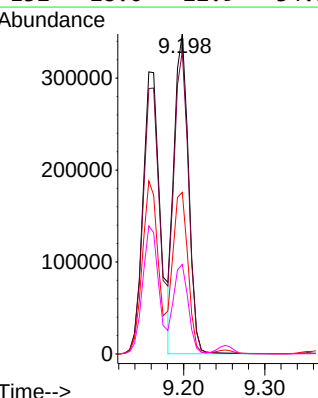
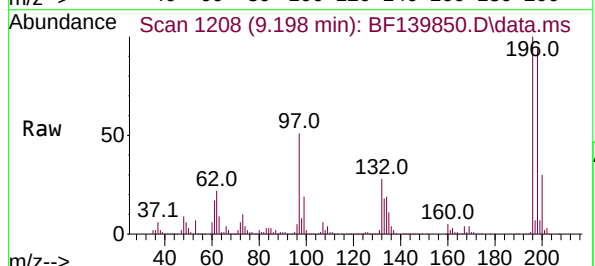
Ion Ratio Lower Upper

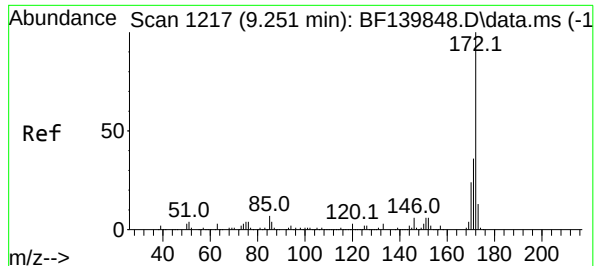
196 100

198 94.5 75.8 113.6

97 50.5 41.8 62.6

132 28.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 105.106 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:172 Resp: 247582

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

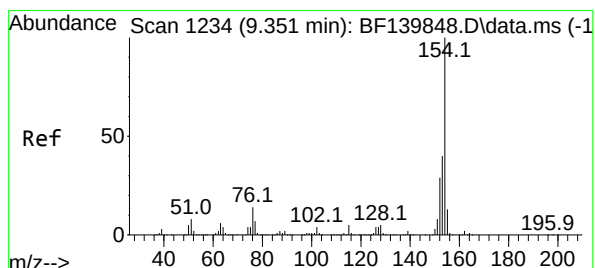
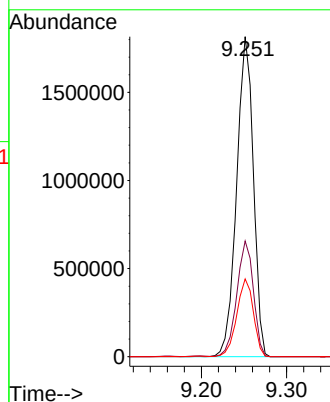
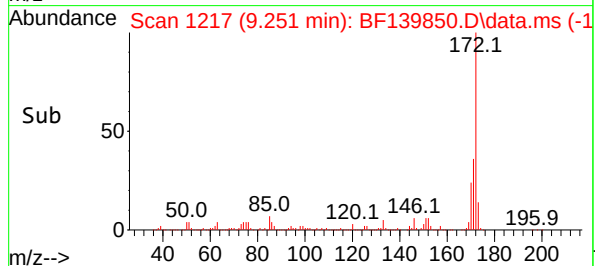
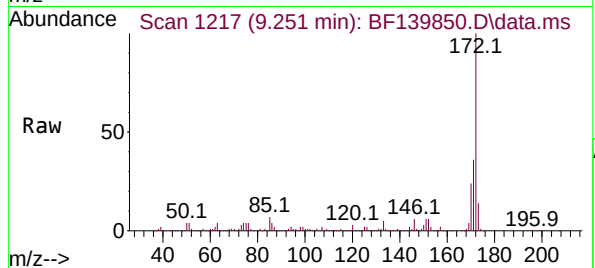
170 24.3 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#46

1,1'-Biphenyl

Concen: 54.396 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

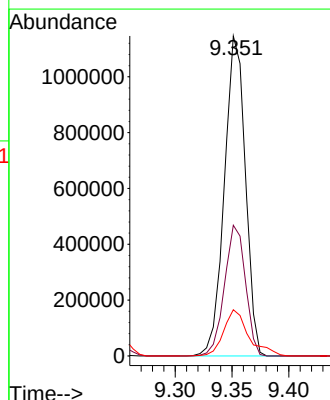
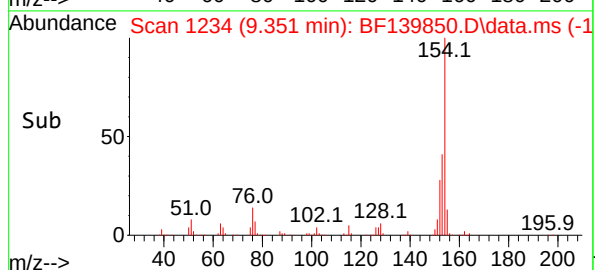
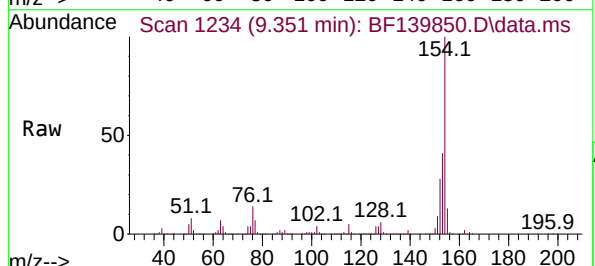
Tgt Ion:154 Resp: 1474193

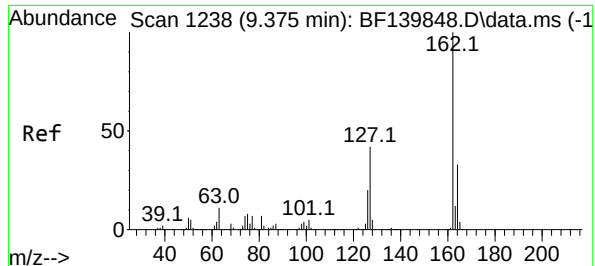
Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

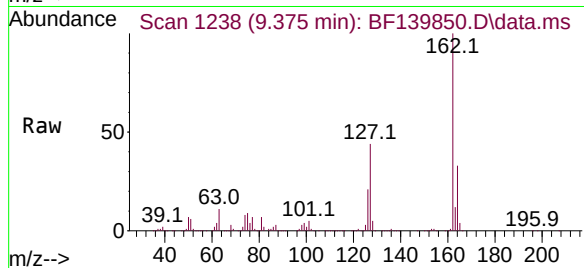
76 14.5 0.0 33.9





#47
2-Chloronaphthalene
Concen: 55.657 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

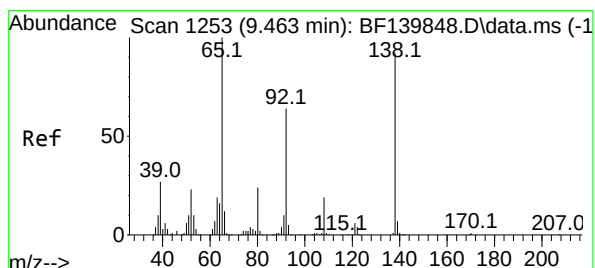
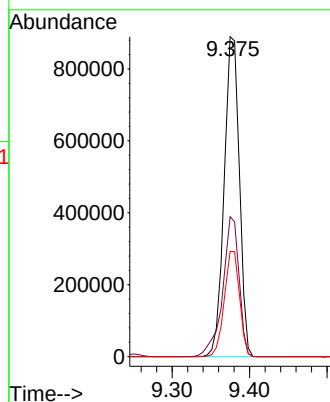
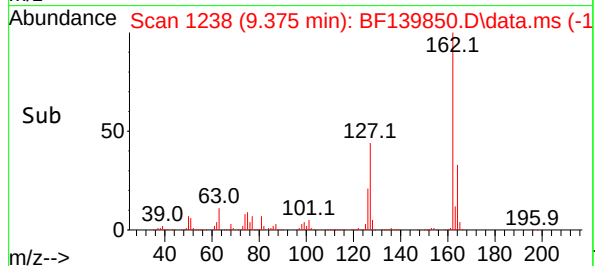
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:162 Resp: 1214850
Ion Ratio Lower Upper
162 100
127 43.7 33.8 50.6
164 32.9 26.6 39.8

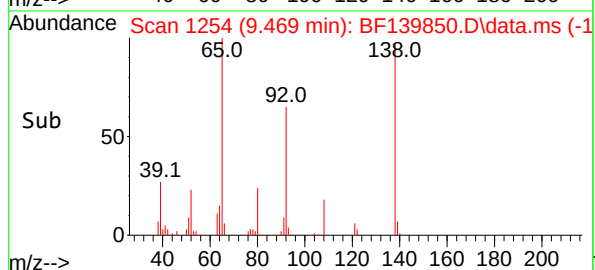
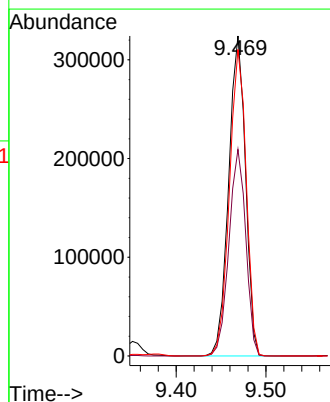
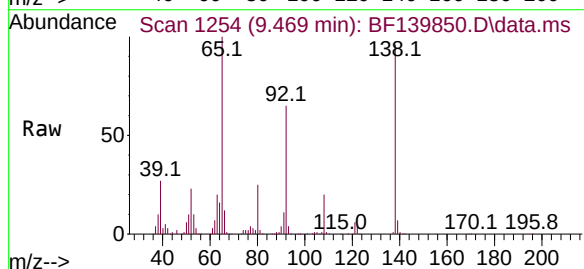
Manual Integrations
APPROVED

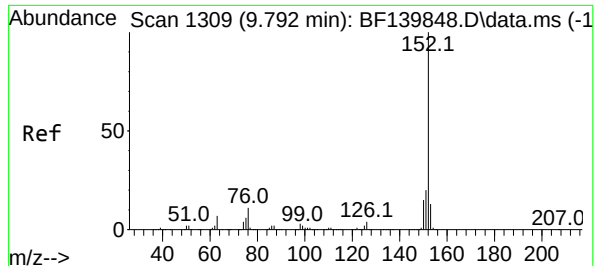
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#48
2-Nitroaniline
Concen: 63.375 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 65 Resp: 423080
Ion Ratio Lower Upper
65 100
92 64.6 50.9 76.3
138 95.8 73.4 110.0





#49

Acenaphthylene

Concen: 55.718 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139850.D

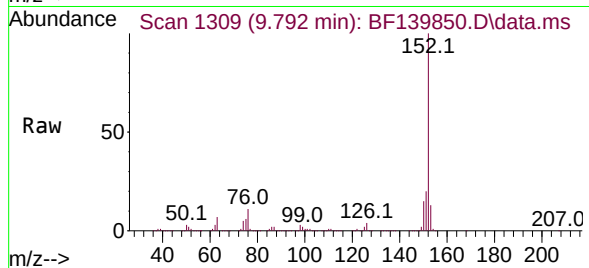
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 175824

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

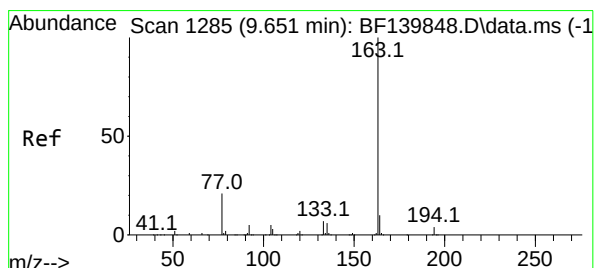
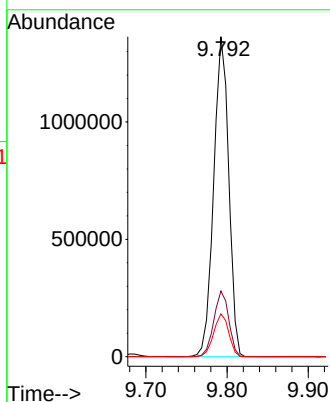
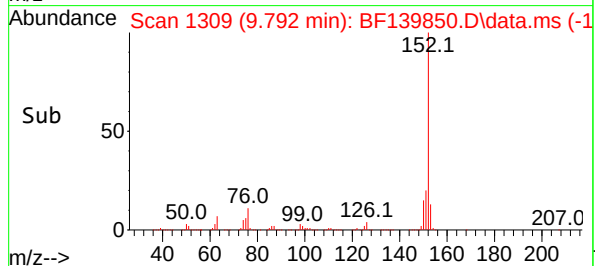
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

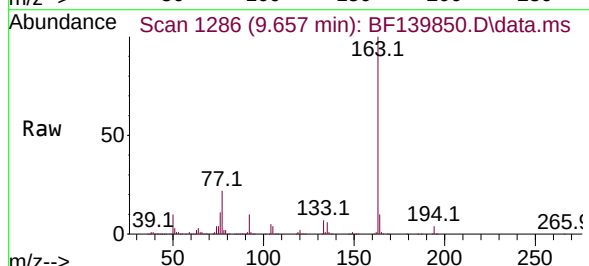
Concen: 56.037 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



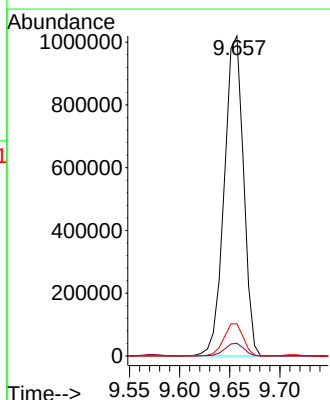
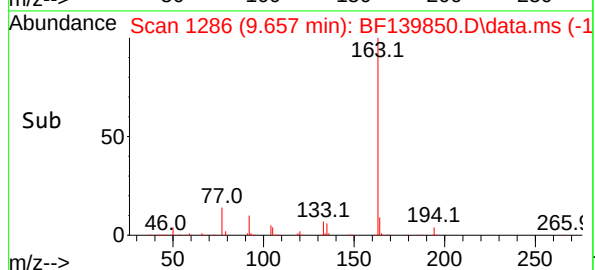
Tgt Ion:163 Resp: 1358812

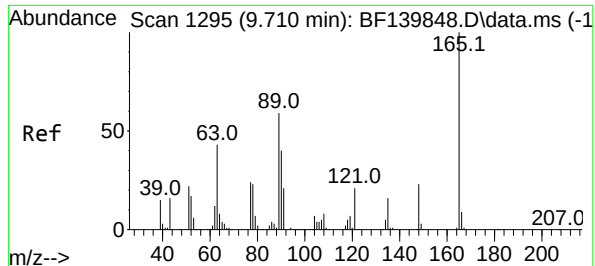
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

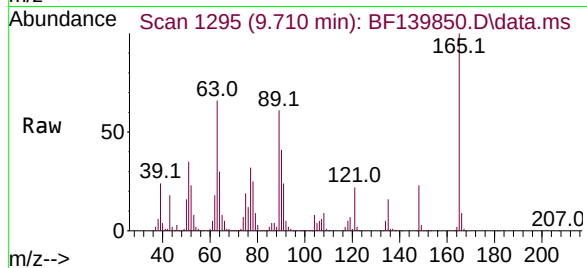
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 60.963 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

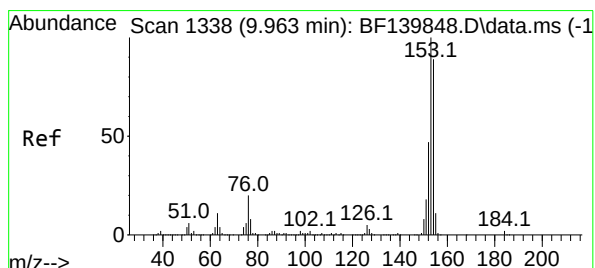
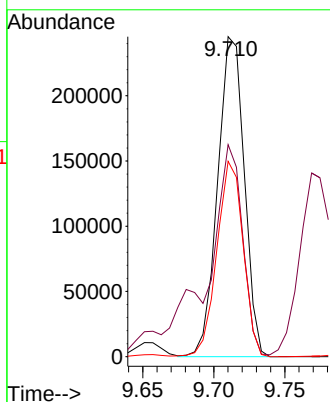
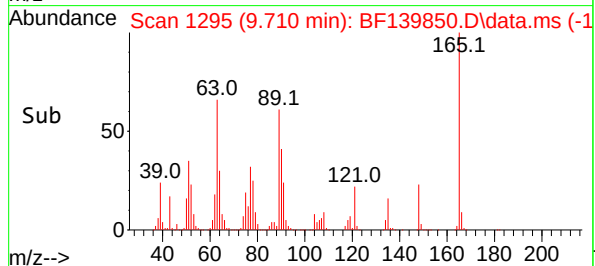
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 320070
Ion Ratio Lower Upper
165 100
63 66.3 50.6 75.8
89 61.0 47.5 71.3

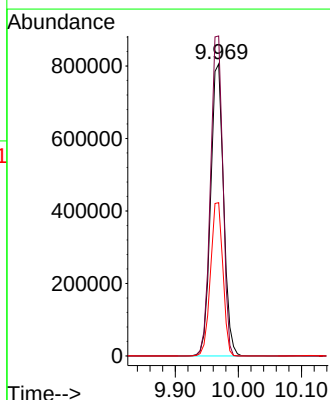
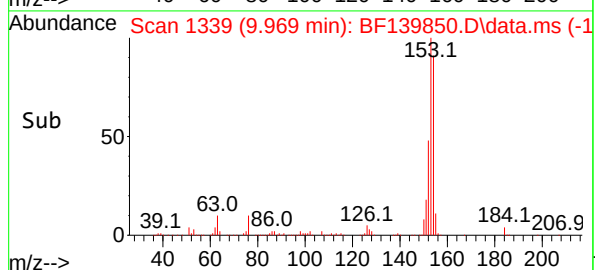
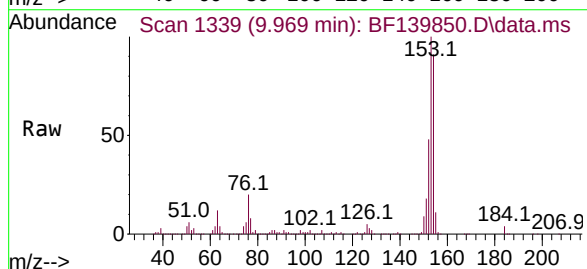
Manual Integrations
APPROVED

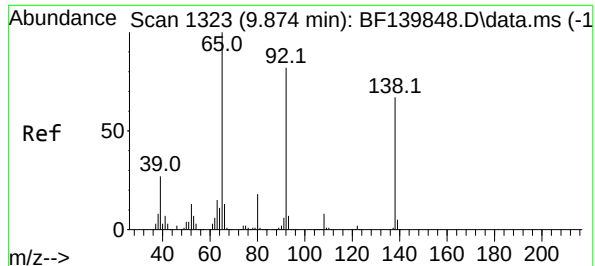
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 56.242 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

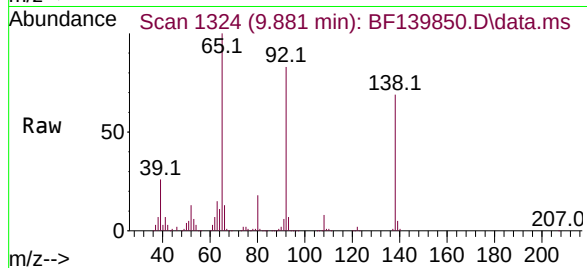
Tgt Ion:154 Resp: 1148095
Ion Ratio Lower Upper
154 100
153 109.6 89.8 134.6
152 52.5 42.4 63.6





#53
3-Nitroaniline
Concen: 60.726 ng
RT: 9.881 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

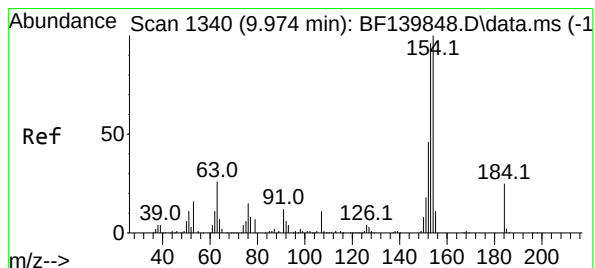
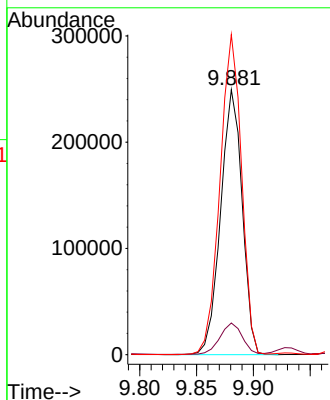
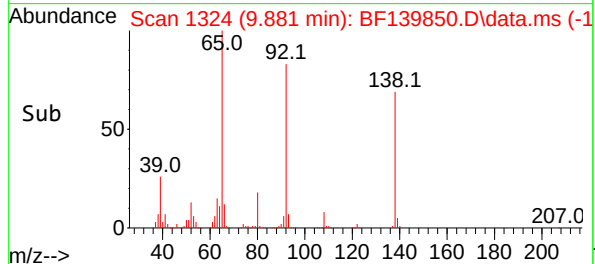
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 328790
Ion Ratio Lower Upper
138 100
108 12.0 10.2 15.2
92 120.8 98.3 147.5

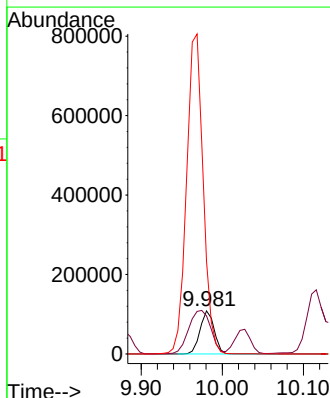
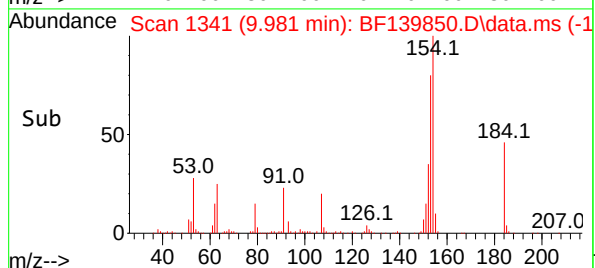
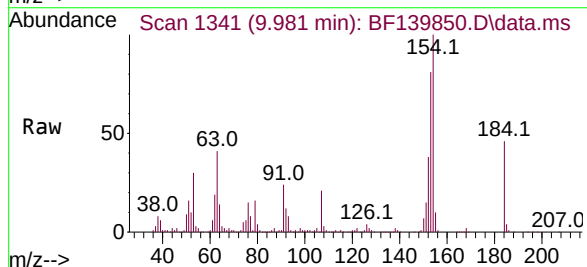
Manual Integrations
APPROVED

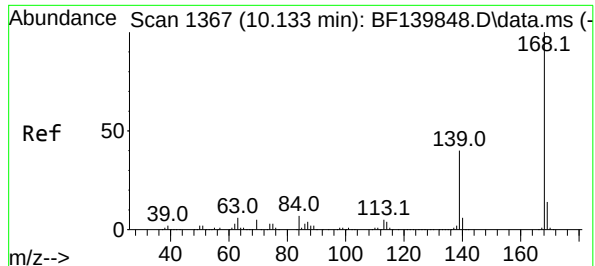
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 61.938 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:184 Resp: 131611
Ion Ratio Lower Upper
184 100
63 88.4 84.7 127.1
154 215.7 338.2 507.2#





#55

Dibenzenofuran

Concen: 54.819 ng

RT: 10.139 min Scan# 1367

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 160557

Ion Ratio Lower Upper

168 100

139 39.7 31.8 47.6

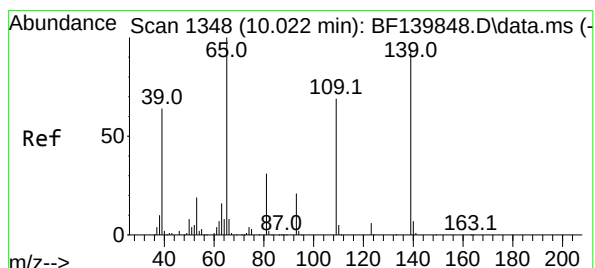
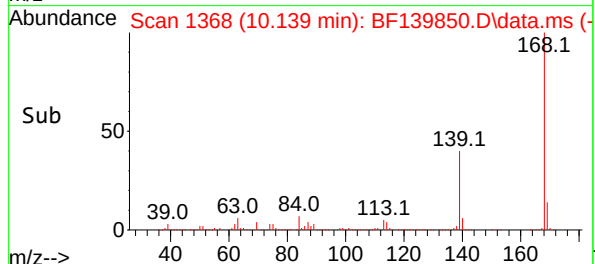
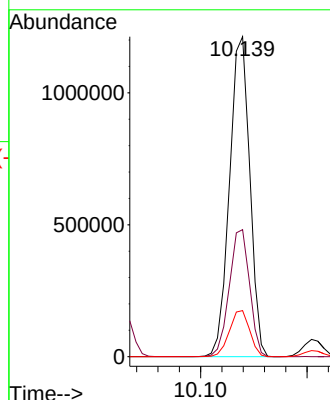
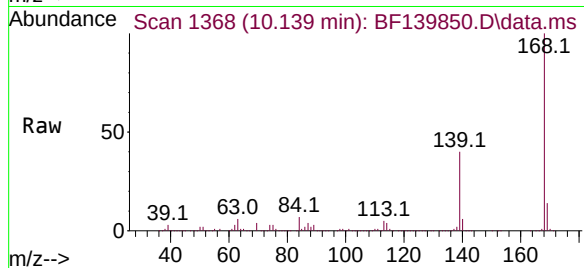
169 14.4 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#56

4-Nitrophenol

Concen: 61.631 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

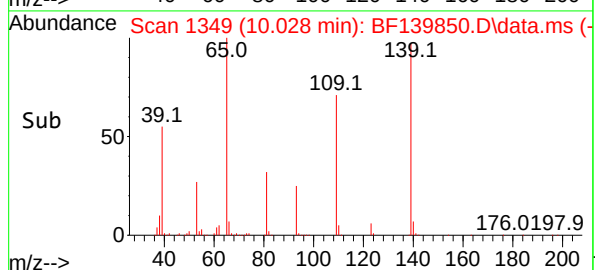
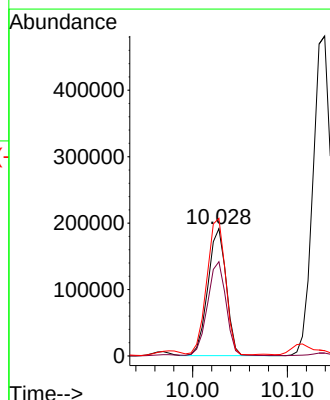
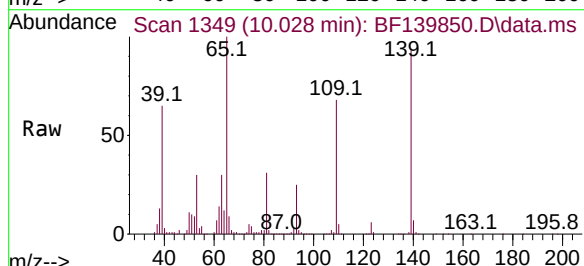
Tgt Ion:139 Resp: 256728

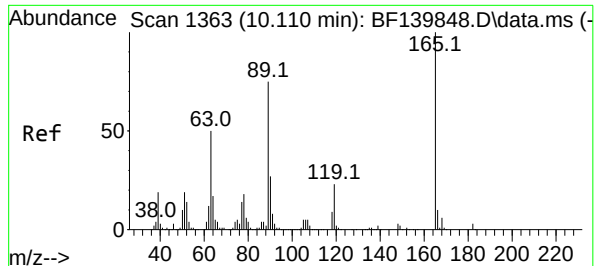
Ion Ratio Lower Upper

139 100

109 74.0 53.6 93.6

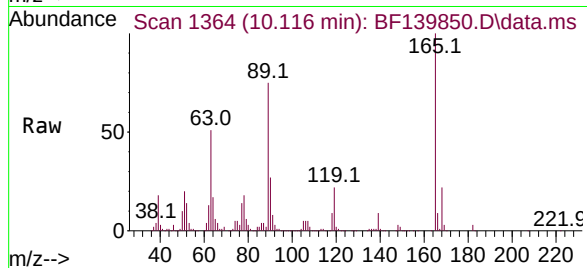
65 108.1 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 63.558 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

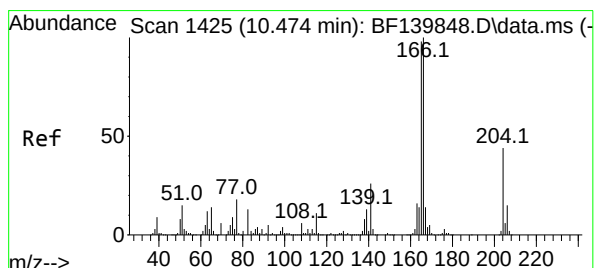
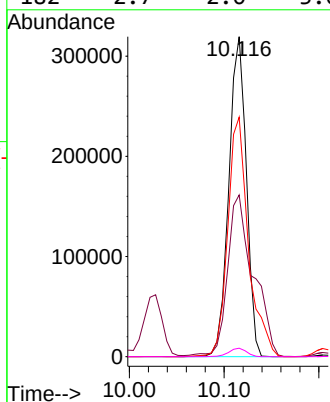
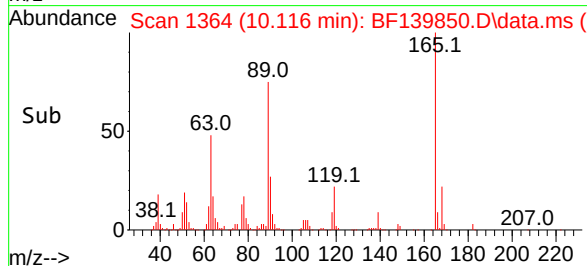
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



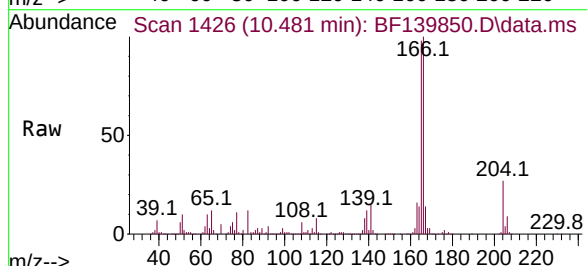
Tgt Ion:165 Resp: 41036
Ion Ratio Lower Upper
165 100
63 50.6 40.1 60.1
89 74.9 60.4 90.6
182 2.7 2.0 3.0

Manual Integrations
APPROVED

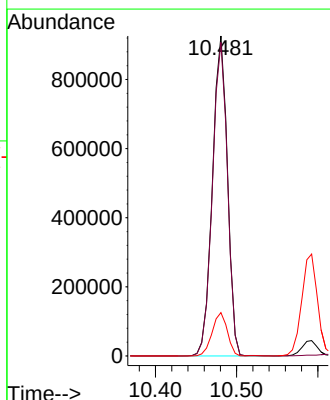
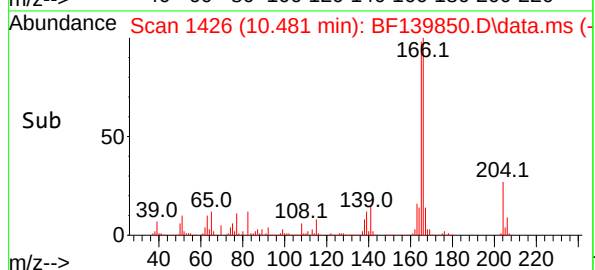
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

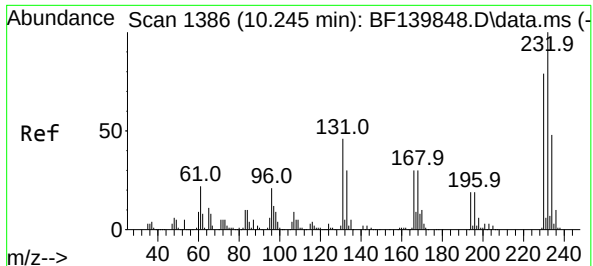


#58
Fluorene
Concen: 53.435 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



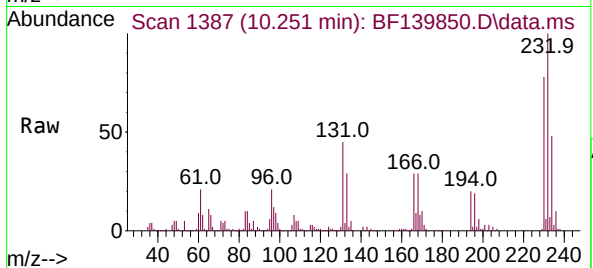
Tgt Ion:166 Resp: 1192018
Ion Ratio Lower Upper
166 100
165 98.0 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.946 ng
RT: 10.251 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

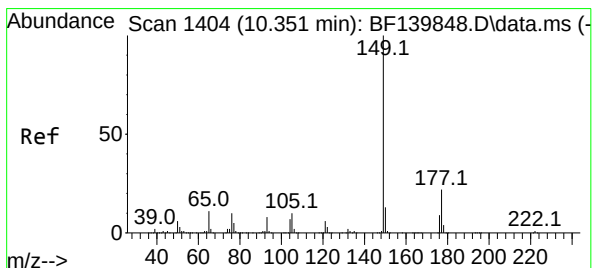
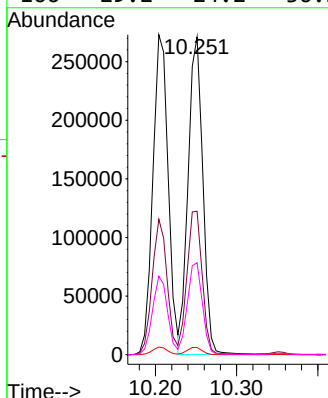
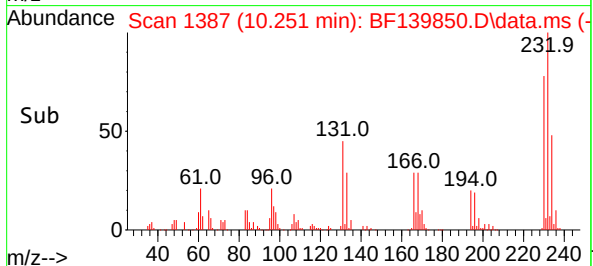
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:232 Resp: 342475
Ion Ratio Lower Upper
232 100
131 46.7 37.0 55.6
130 2.4 1.9 2.9
166 29.2 24.2 36.2

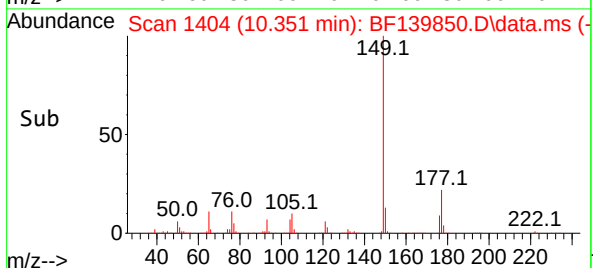
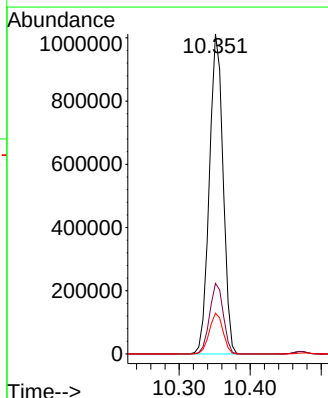
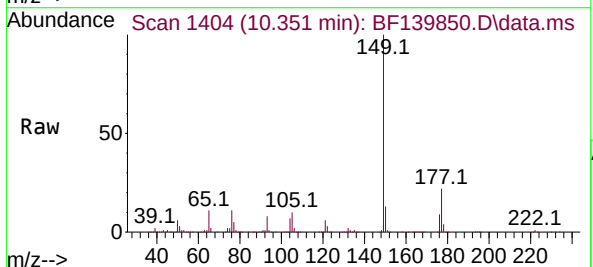
Manual Integrations
APPROVED

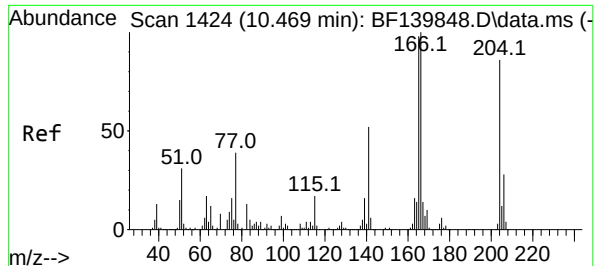
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#60
Diethylphthalate
Concen: 56.954 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

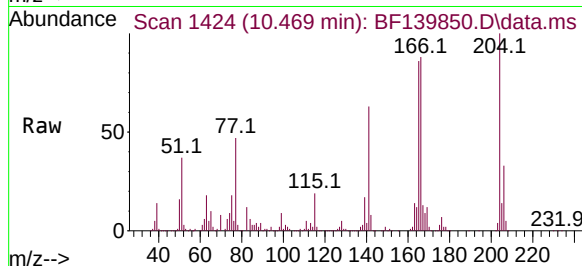
Tgt Ion:149 Resp: 1355992
Ion Ratio Lower Upper
149 100
177 22.0 17.9 26.9
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 53.858 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

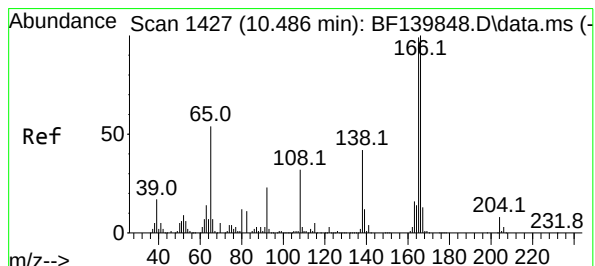
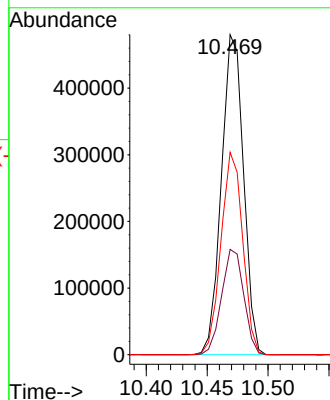
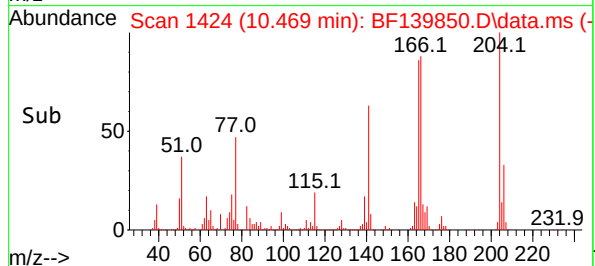
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



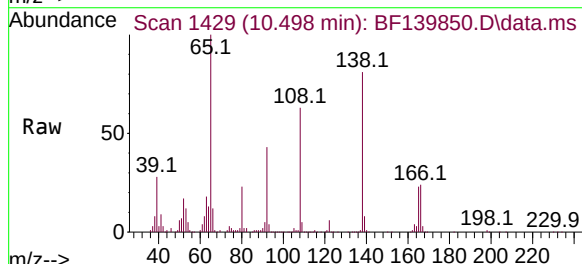
Tgt Ion:204 Resp: 606730
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 63.3 48.6 73.0

Manual Integrations
APPROVED

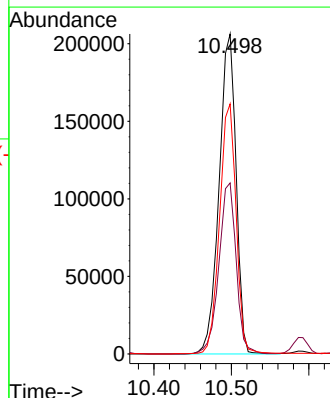
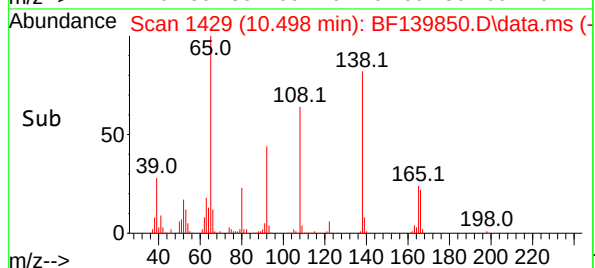
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

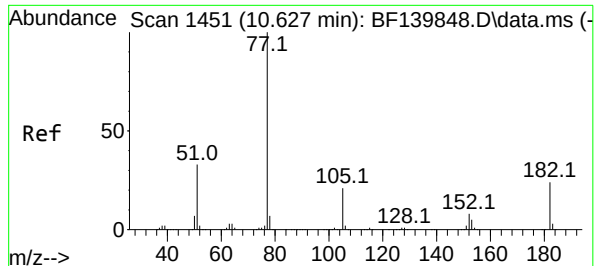


#62
4-Nitroaniline
Concen: 61.507 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



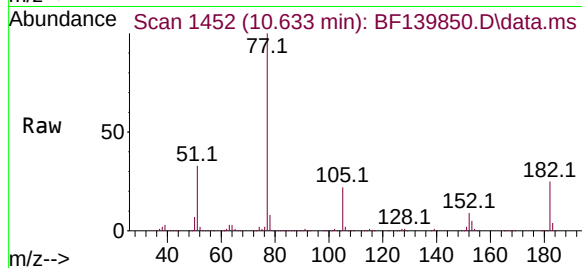
Tgt Ion:138 Resp: 314525
Ion Ratio Lower Upper
138 100
92 53.4 35.7 75.7
108 78.2 57.5 97.5





#63
Azobenzene
Concen: 56.090 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

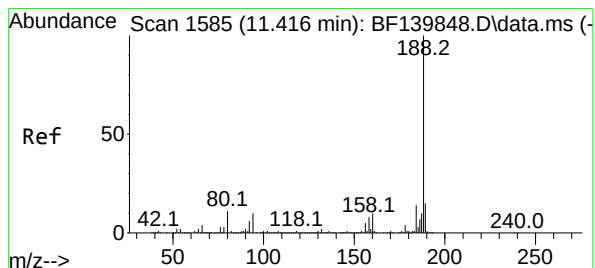
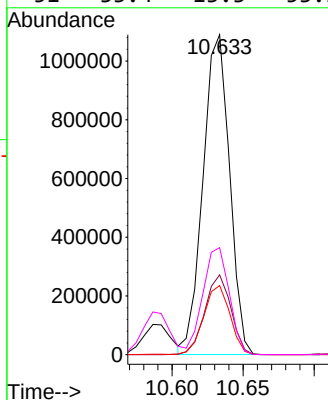
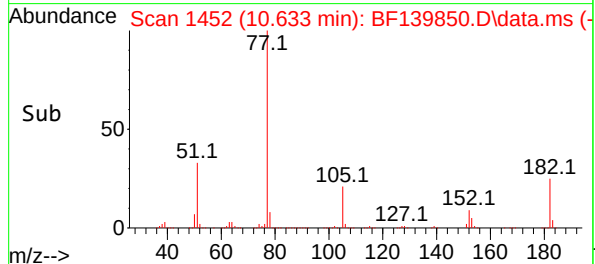
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 1415762
Ion Ratio Lower Upper
77 100
182 24.9 3.3 43.3
105 21.6 1.2 41.2
51 33.4 13.3 53.3

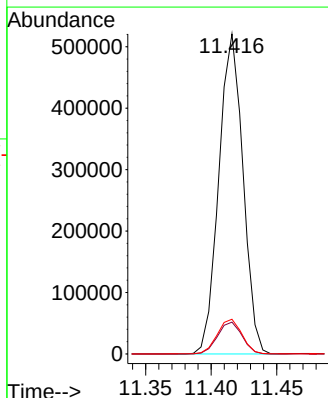
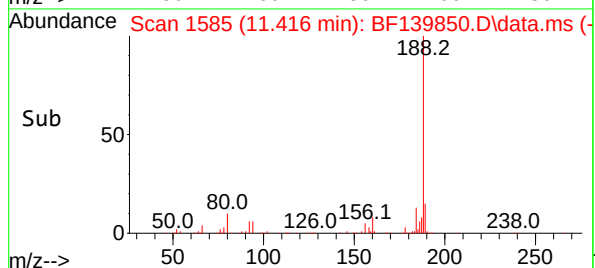
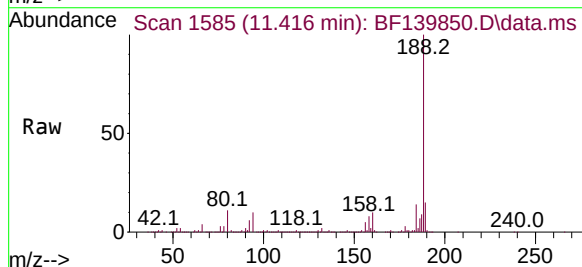
Manual Integrations
APPROVED

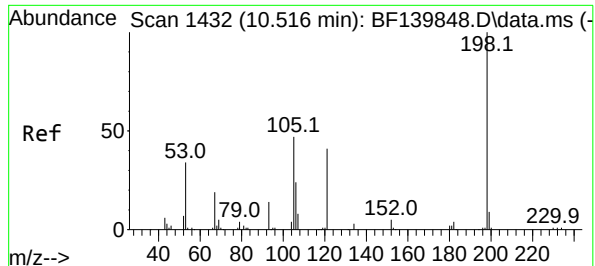
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:188 Resp: 667372
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 9.0 13.4





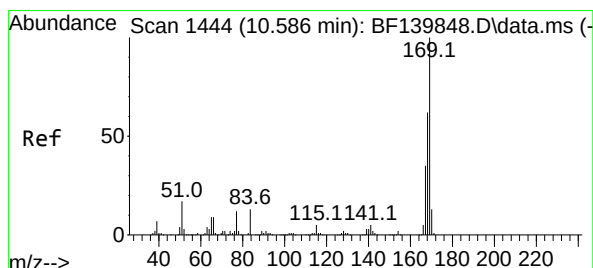
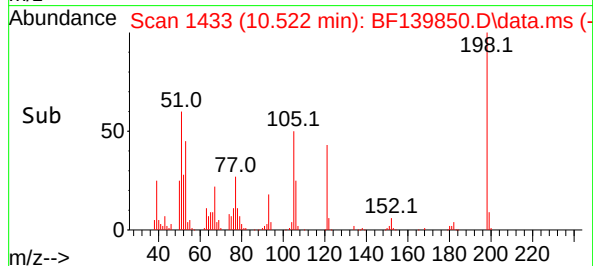
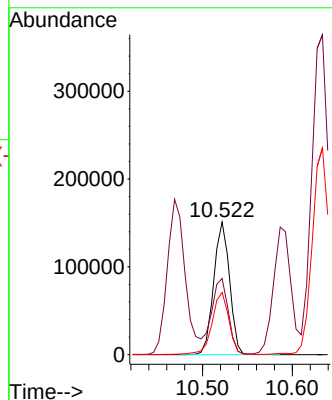
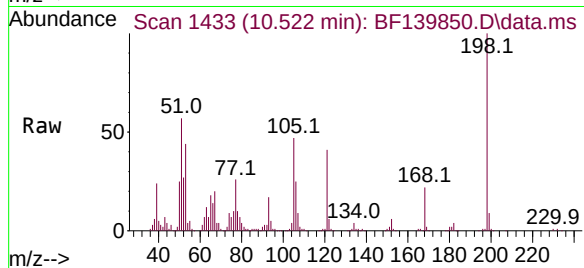
#65
4,6-Dinitro-2-methylphenol
Concen: 67.951 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 184974
Ion Ratio Lower Upper
198 100
51 57.4 38.2 78.2
105 47.0 27.9 67.9

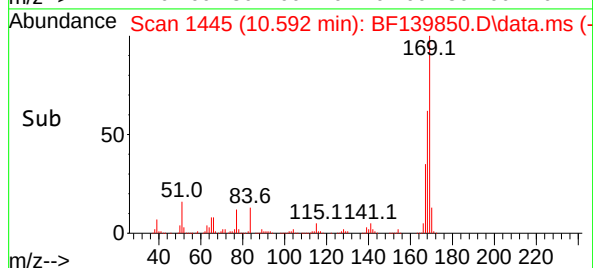
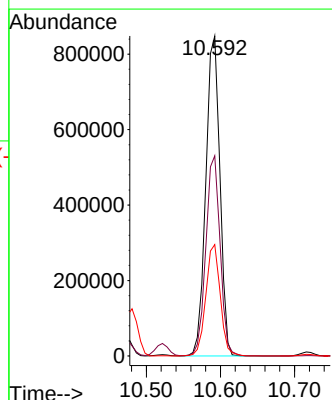
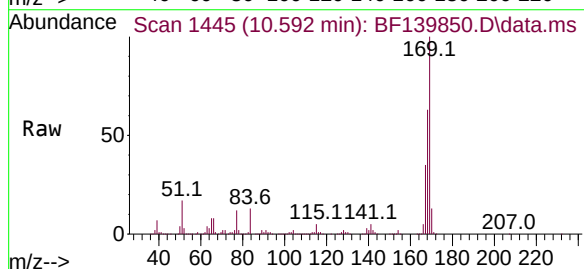
Manual Integrations
APPROVED

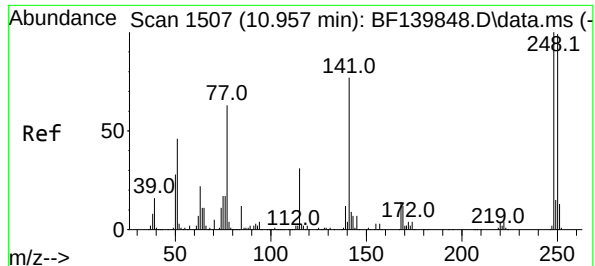
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 56.214 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

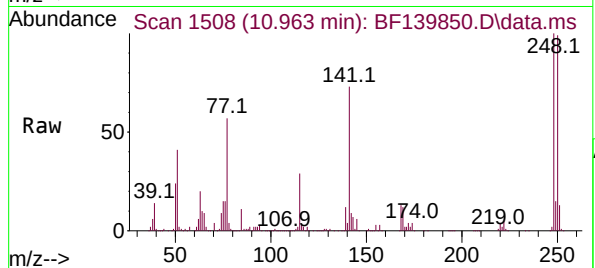
Tgt Ion:169 Resp: 1122831
Ion Ratio Lower Upper
169 100
168 62.5 49.8 74.6
167 34.8 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 57.100 ng
RT: 10.963 min Scan# 1507
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

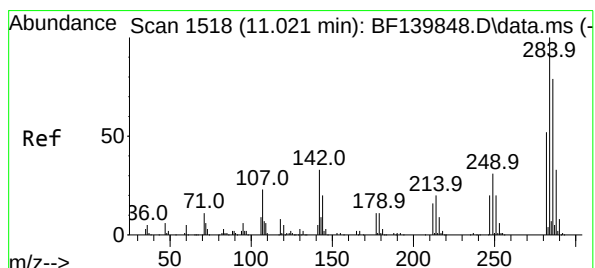
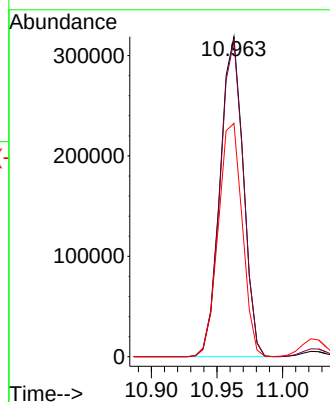
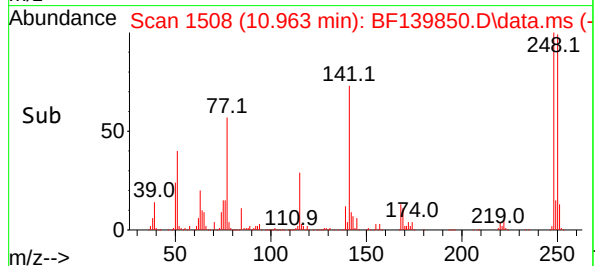
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 392570
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.6
141 72.9 61.7 92.5

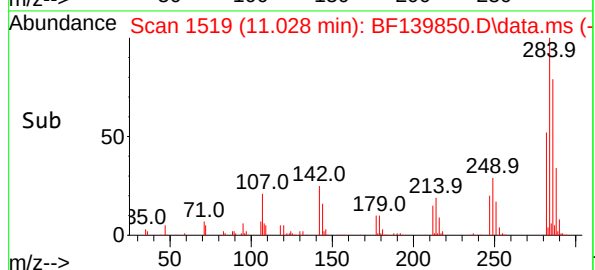
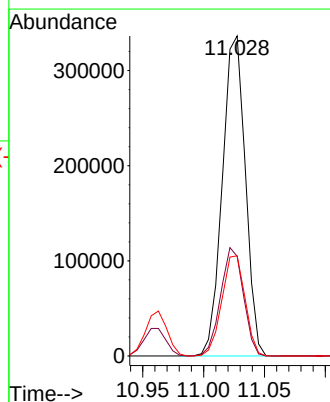
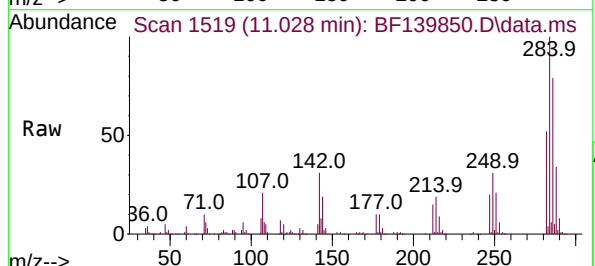
Manual Integrations
APPROVED

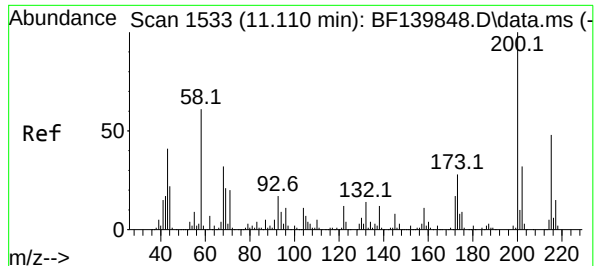
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#68
Hexachlorobenzene
Concen: 57.187 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:284 Resp: 442187
Ion Ratio Lower Upper
284 100
142 31.2 26.9 40.3
249 31.3 25.3 37.9





#69

Atrazine

Concen: 56.767 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 307149

Ion Ratio Lower Upper

200 100

173 27.1 7.7 47.7

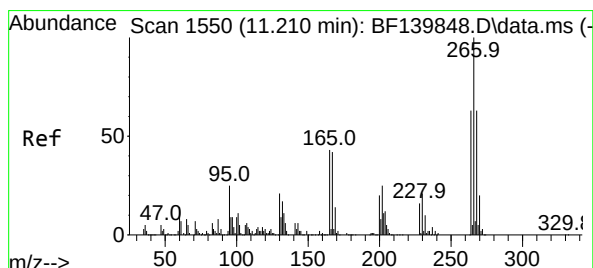
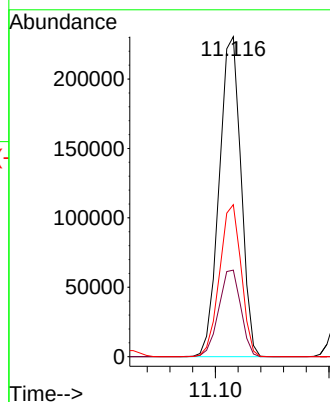
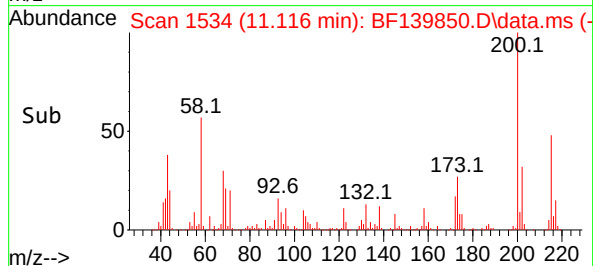
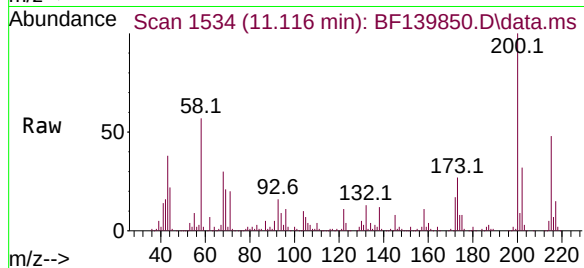
215 47.5 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 61.587 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

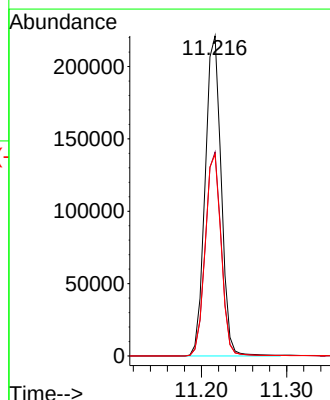
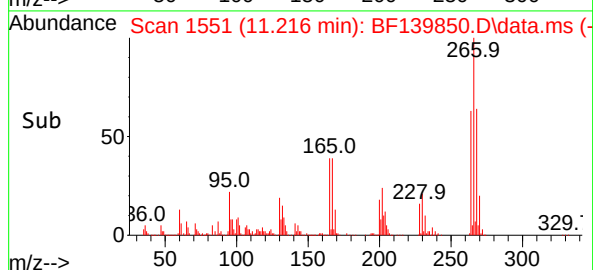
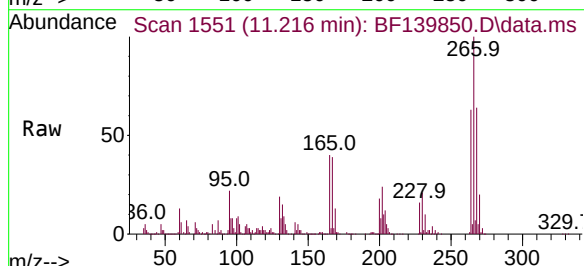
Tgt Ion:266 Resp: 289014

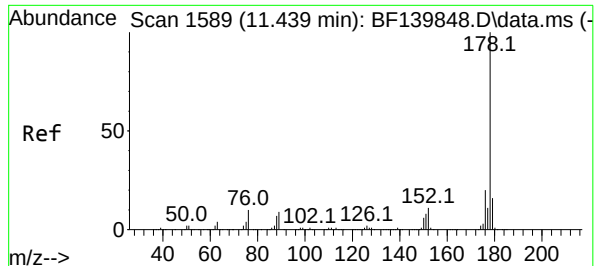
Ion Ratio Lower Upper

266 100

268 63.7 50.4 75.6

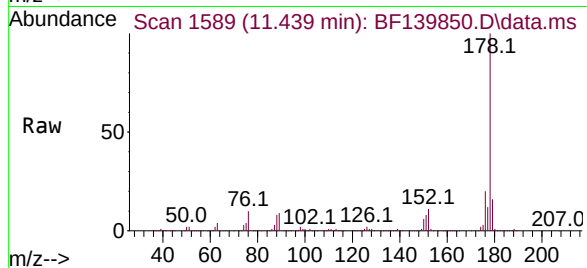
264 63.0 50.6 75.8





#71
Phenanthrene
Concen: 54.618 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

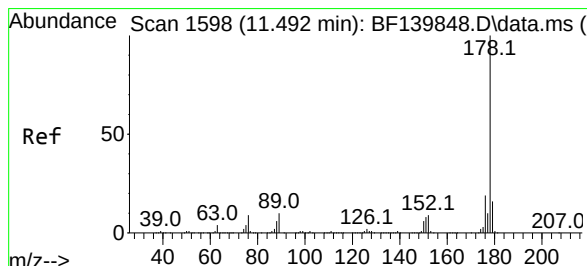
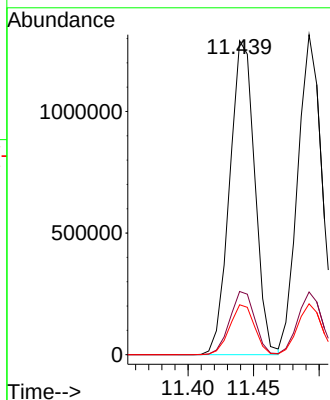
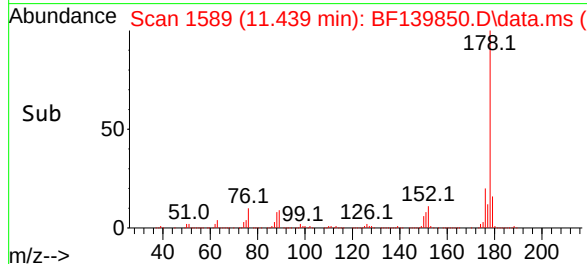
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



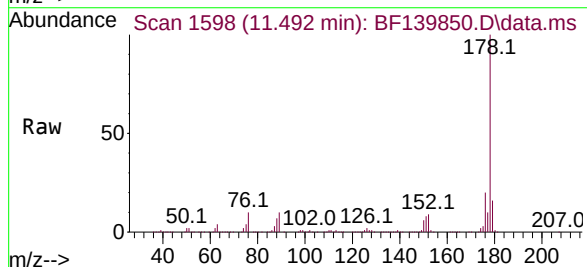
Tgt Ion:178 Resp: 172176
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.9 12.6 18.8

Manual Integrations
APPROVED

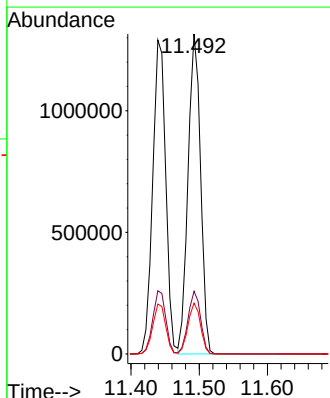
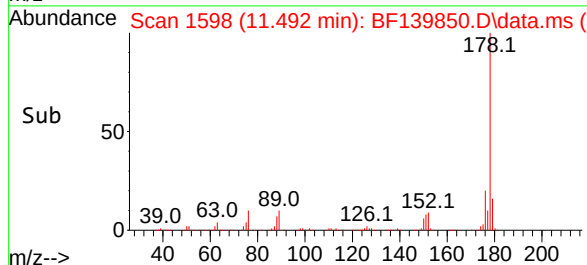
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

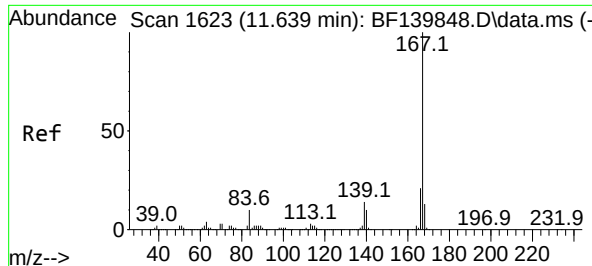


#72
Anthracene
Concen: 54.206 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



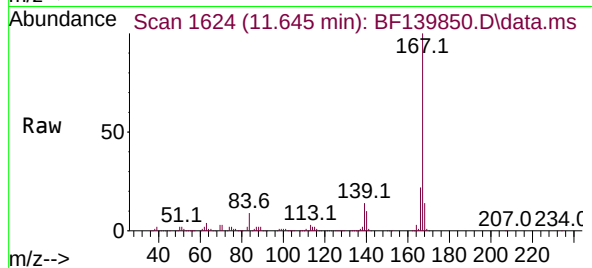
Tgt Ion:178 Resp: 1667221
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.9 12.4 18.6





#73
Carbazole
Concen: 54.015 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

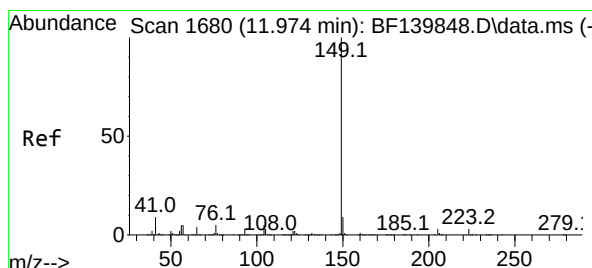
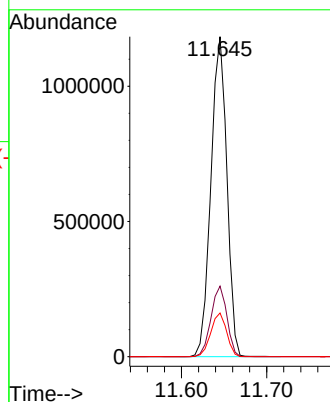
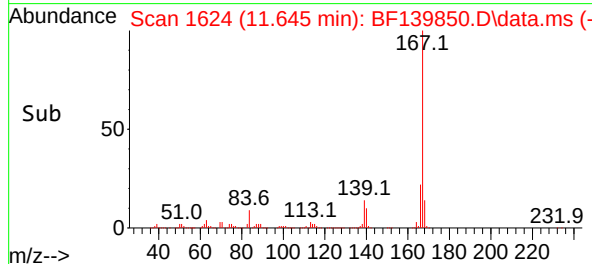
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



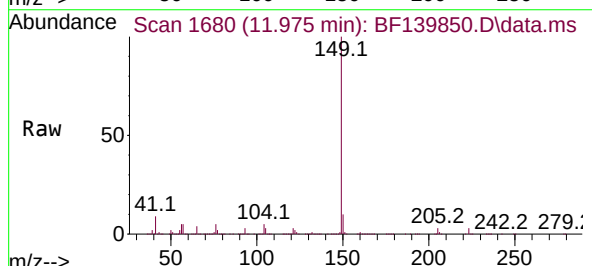
Tgt Ion:167 Resp: 1545085
Ion Ratio Lower Upper
167 100
166 22.1 17.0 25.6
139 13.7 10.8 16.2

Manual Integrations
APPROVED

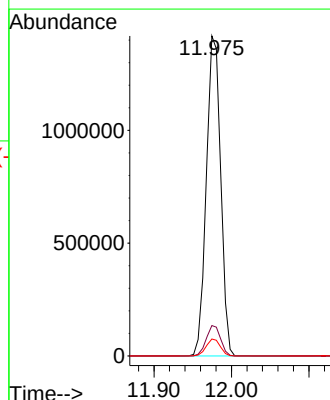
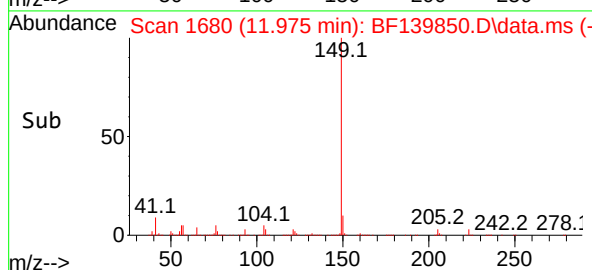
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

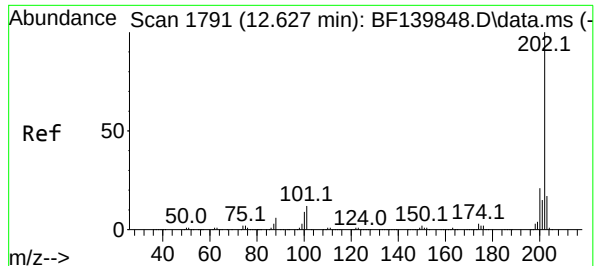


#74
Di-n-butylphthalate
Concen: 55.069 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



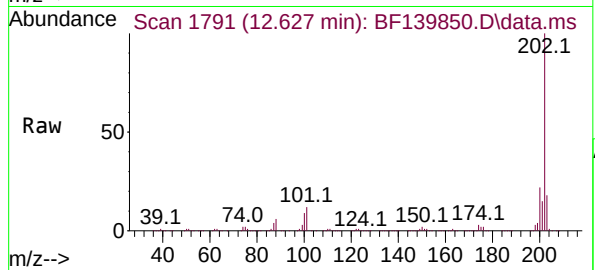
Tgt Ion:149 Resp: 1819929
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 52.448 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

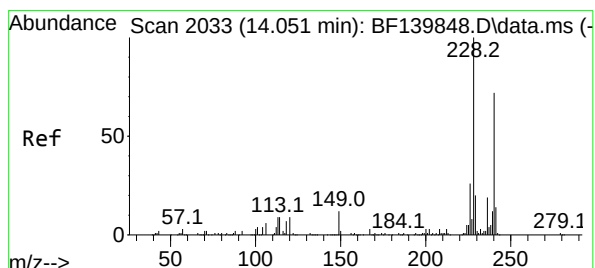
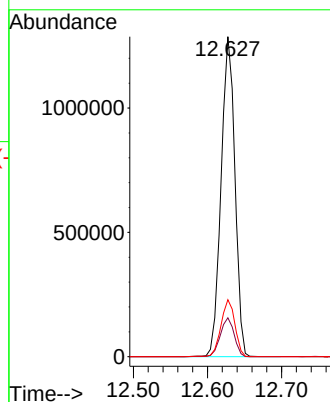
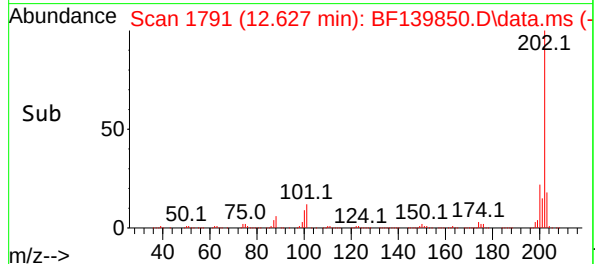
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



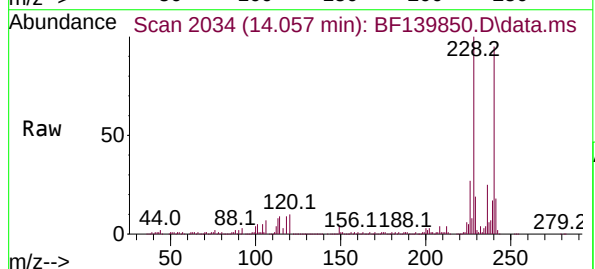
Tgt Ion:202 Resp: 1671408
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.9
203 17.8 0.0 37.5

Manual Integrations
APPROVED

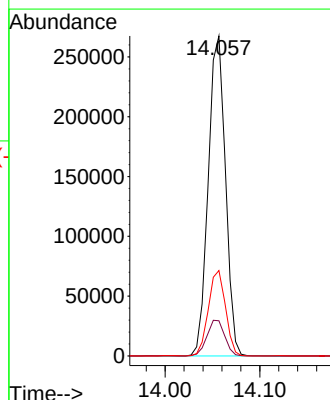
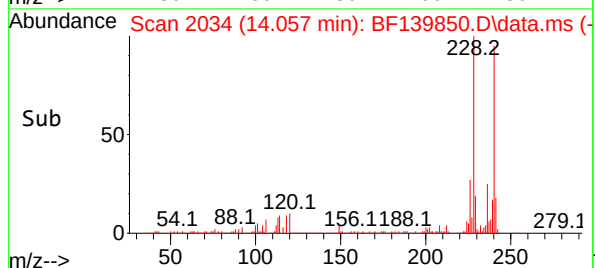
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

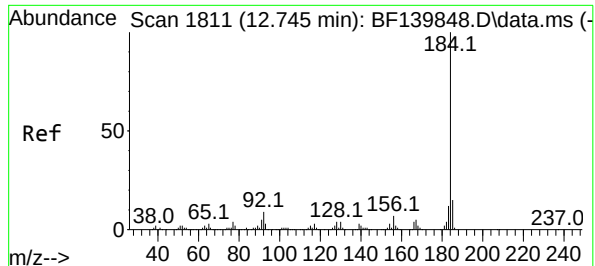


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



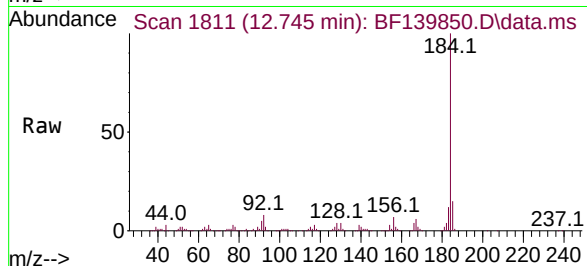
Tgt Ion:240 Resp: 337032
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.7 20.9 31.3





#77
Benzidine
Concen: 37.499 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

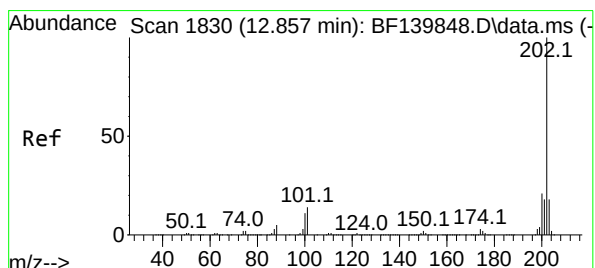
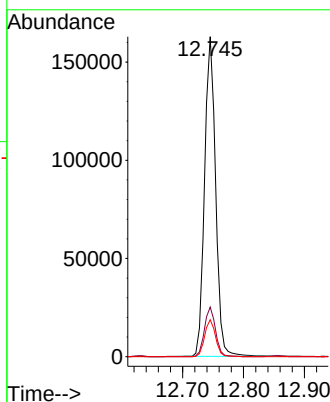
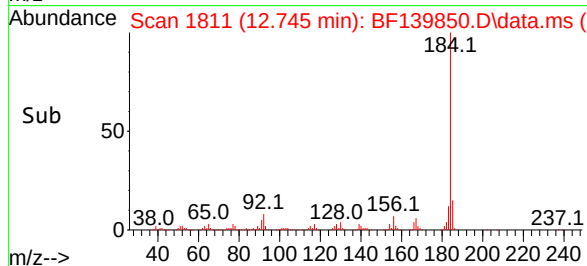
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



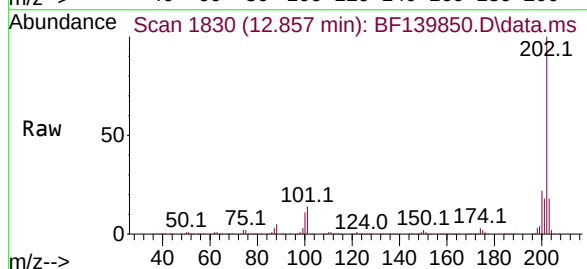
Tgt Ion:184 Resp: 205548
Ion Ratio Lower Upper
184 100
185 15.5 12.0 18.0
183 11.5 9.4 14.2

Manual Integrations
APPROVED

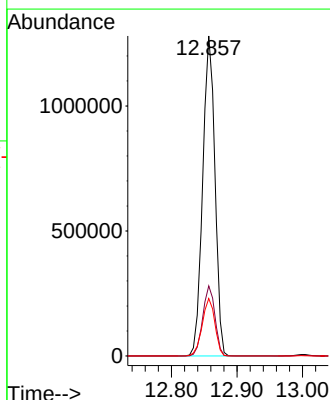
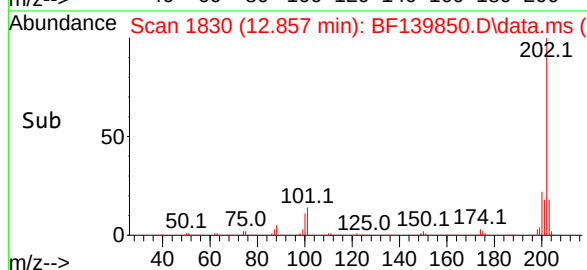
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

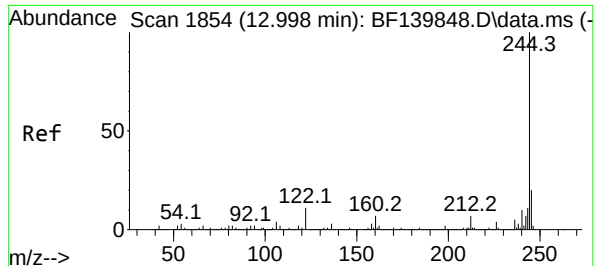


#78
Pyrene
Concen: 56.522 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



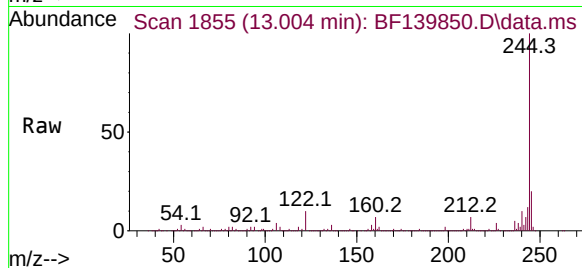
Tgt Ion:202 Resp: 1667489
Ion Ratio Lower Upper
202 100
200 21.9 17.2 25.8
203 18.0 14.2 21.4





#79
Terphenyl-d14
Concen: 109.563 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

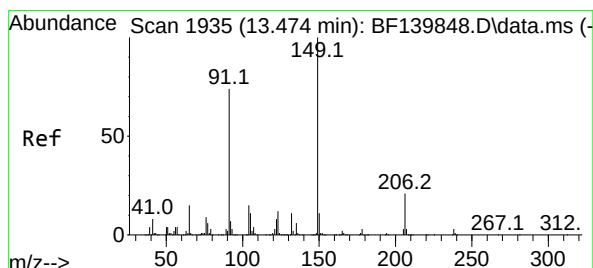
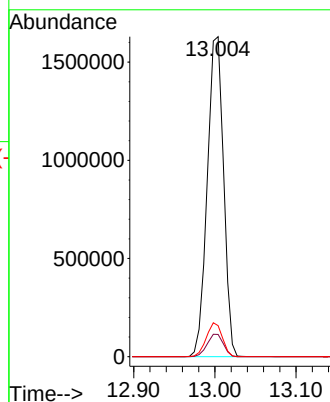
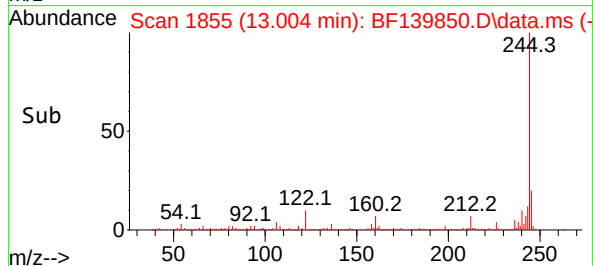
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 226612
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.7 8.6 13.0

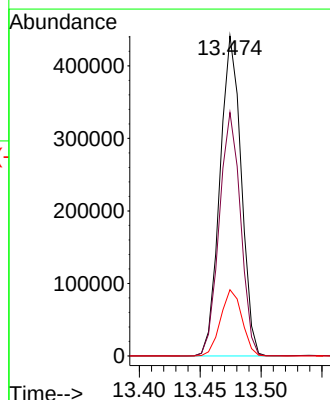
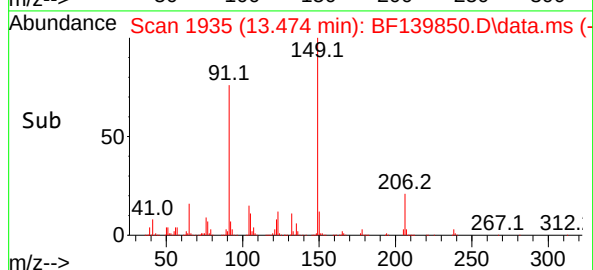
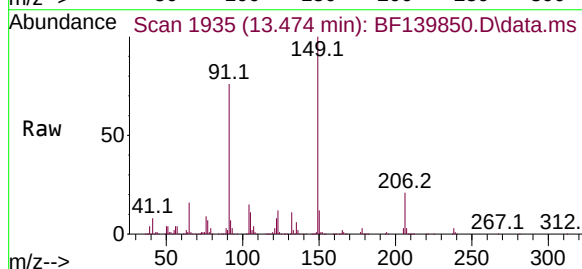
Manual Integrations
APPROVED

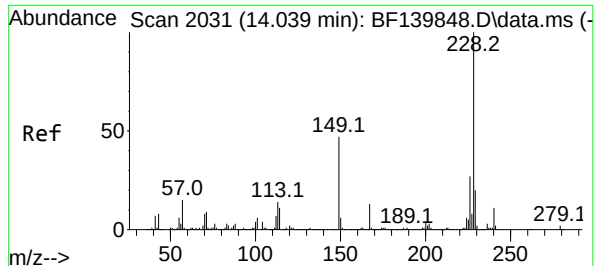
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#80
Butylbenzylphthalate
Concen: 60.719 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

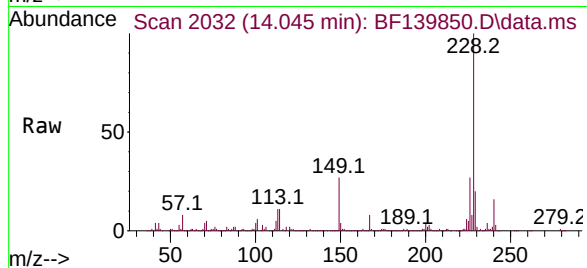
Tgt Ion:149 Resp: 537039
Ion Ratio Lower Upper
149 100
91 76.1 59.4 89.2
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 56.992 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

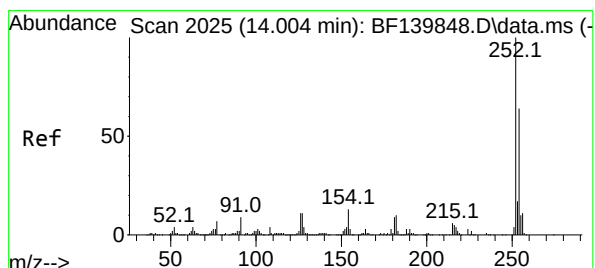
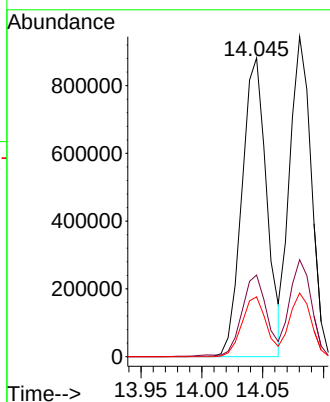
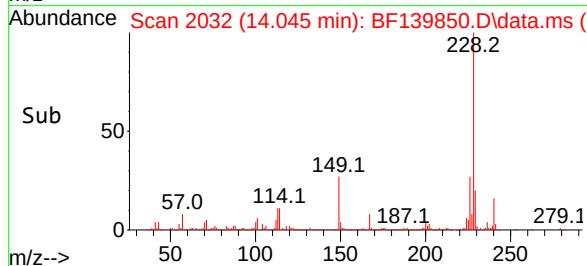
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 125038
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.0 16.1 24.1

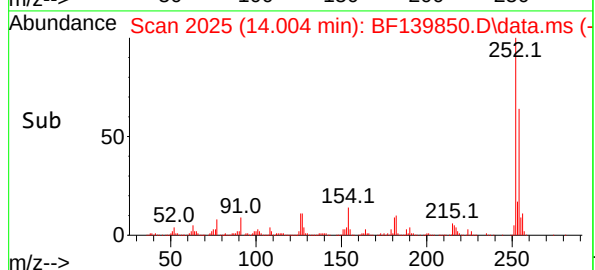
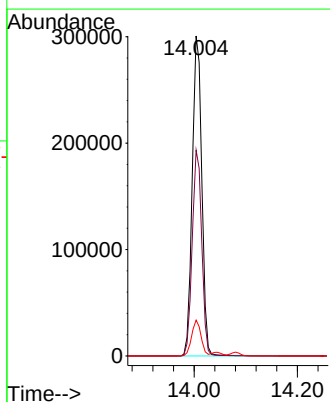
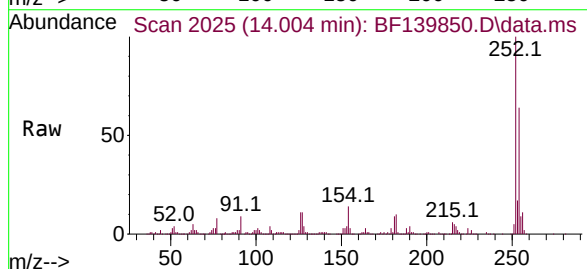
Manual Integrations
APPROVED

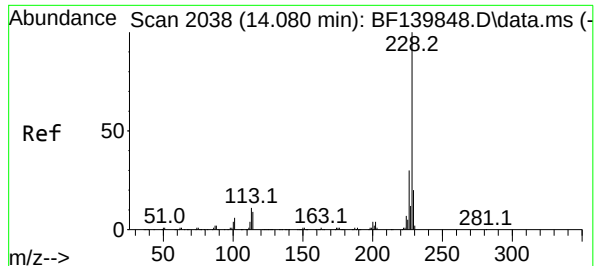
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#82
3,3'-Dichlorobenzidine
Concen: 60.353 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

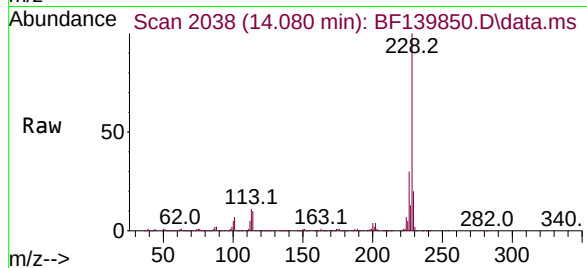
Tgt Ion:252 Resp: 386072
Ion Ratio Lower Upper
252 100
254 64.3 50.8 76.2
126 11.2 8.9 13.3





#83
Chrysene
Concen: 57.855 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

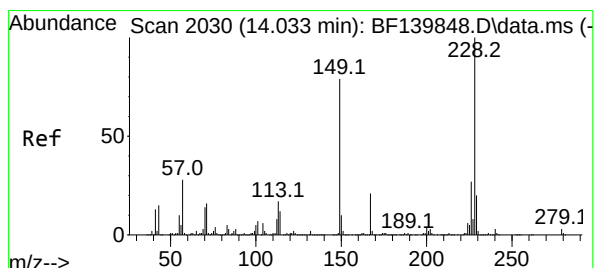
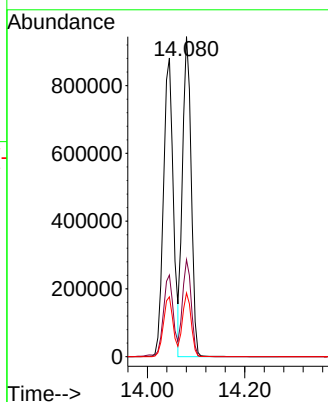
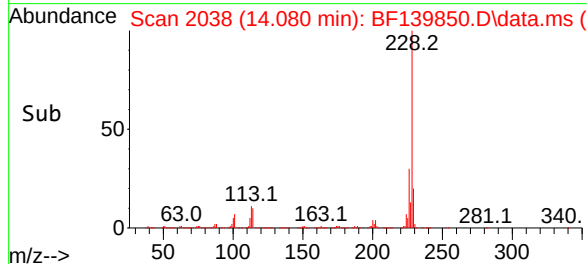
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 1163808
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 19.9 15.8 23.6

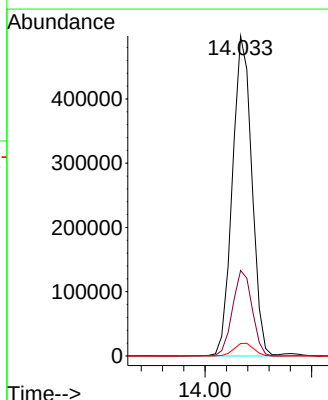
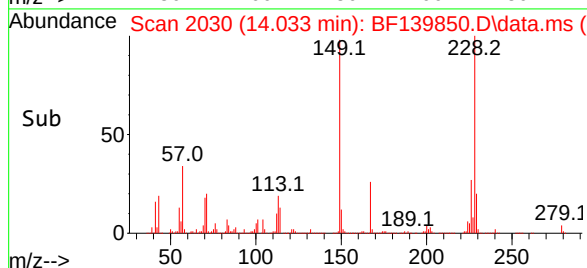
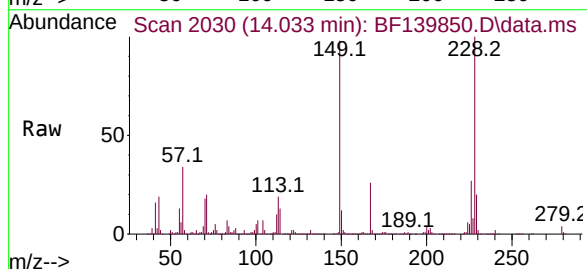
Manual Integrations
APPROVED

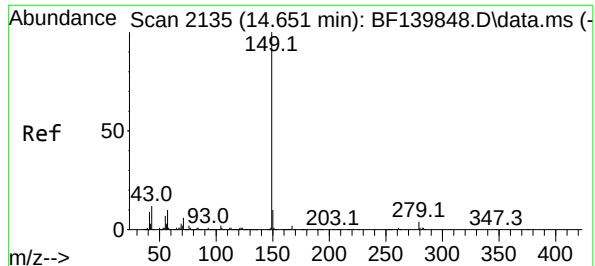
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 63.749 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

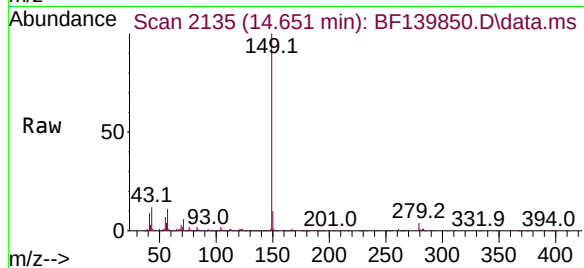
Tgt Ion:149 Resp: 632594
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 3.9 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 67.634 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

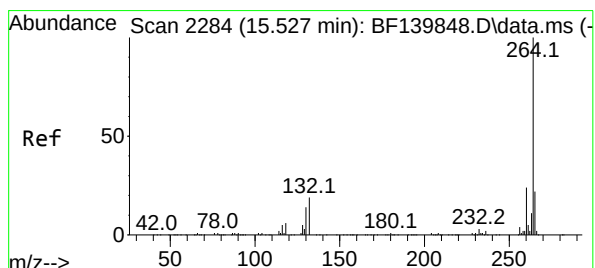
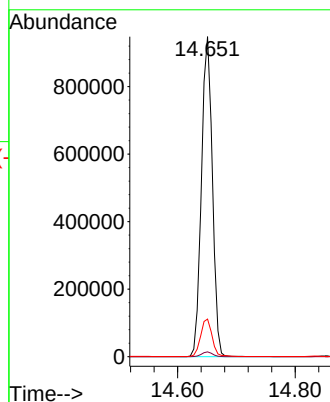
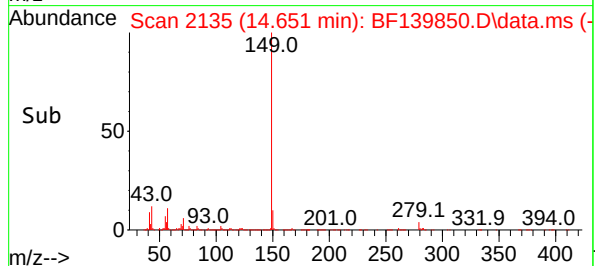
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 122073
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.3 9.8 14.6

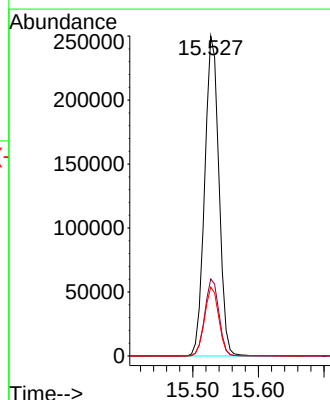
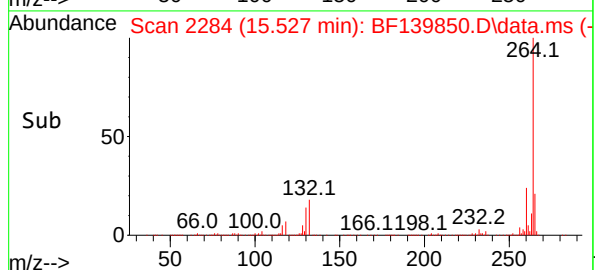
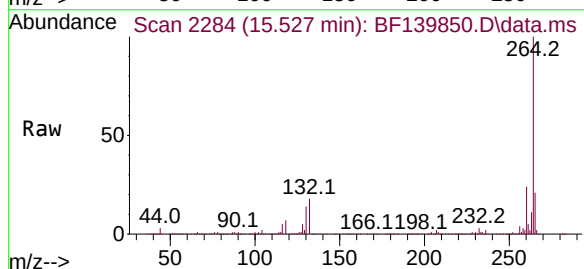
Manual Integrations
APPROVED

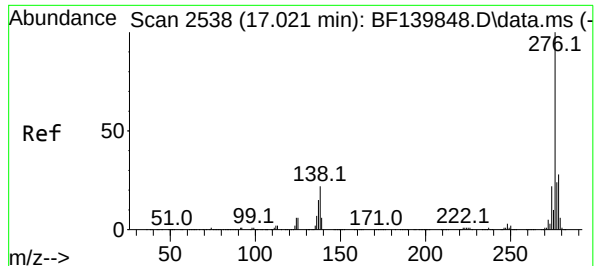
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:264 Resp: 377203
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.817 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 1500084

Ion Ratio Lower Upper

276 100

138 25.0 20.4 30.6

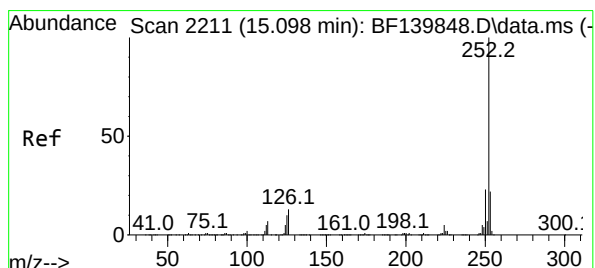
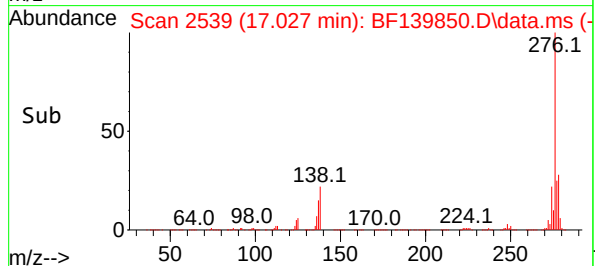
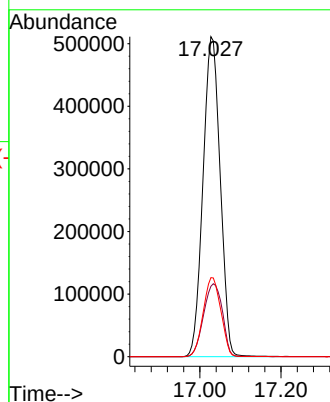
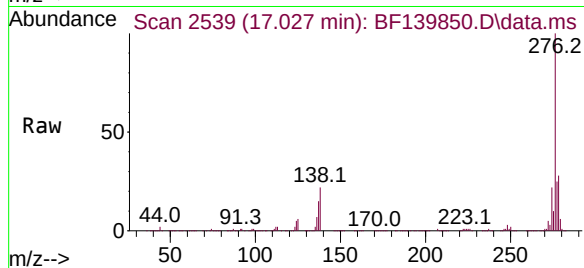
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 61.033 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

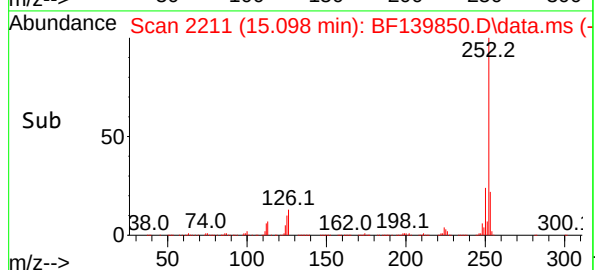
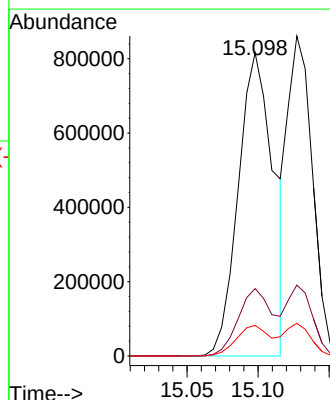
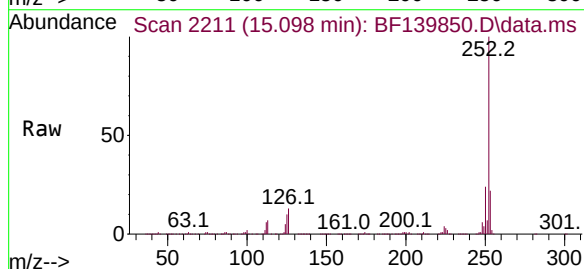
Tgt Ion:252 Resp: 1402395

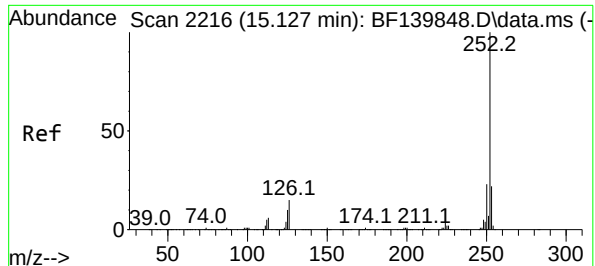
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 53.053 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 105130

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

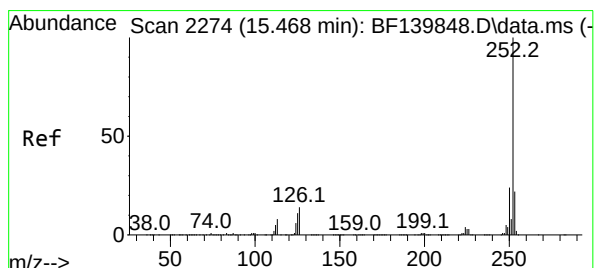
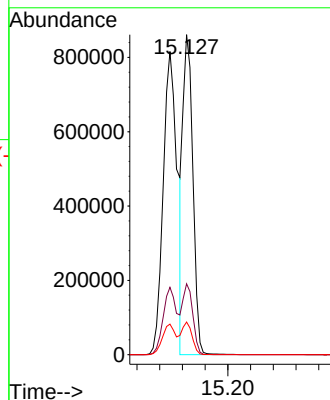
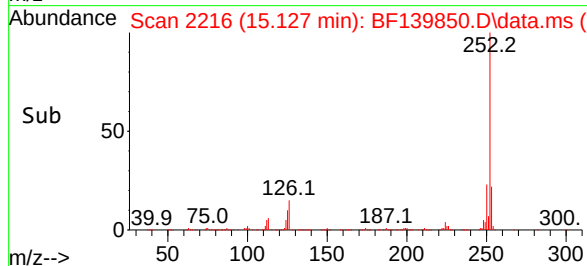
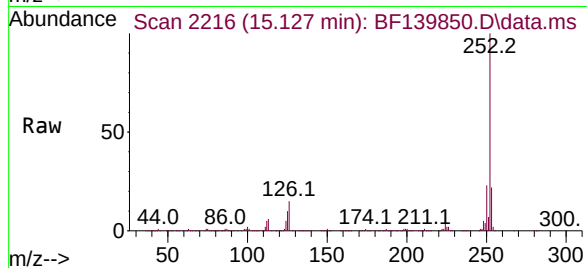
125 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 59.764 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

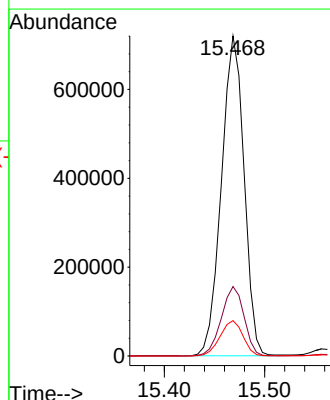
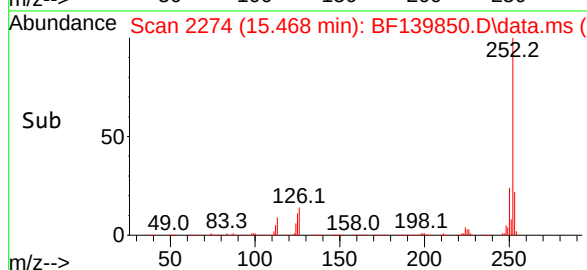
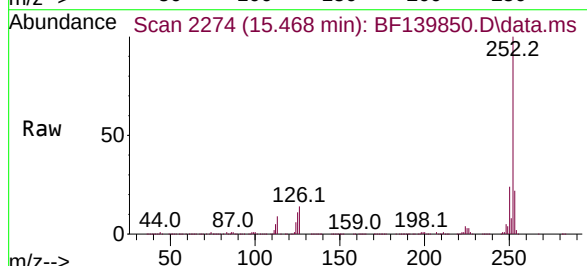
Tgt Ion:252 Resp: 1129942

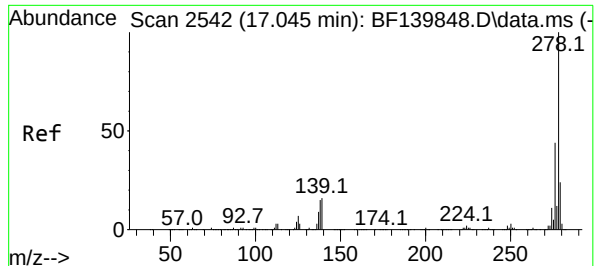
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

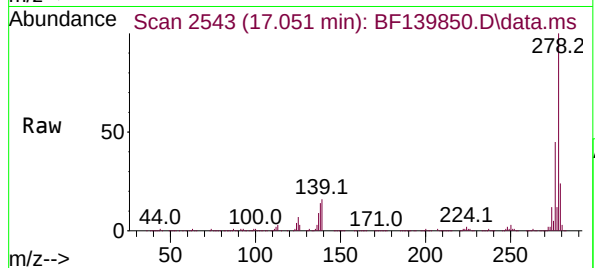
125 11.0 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 60.667 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

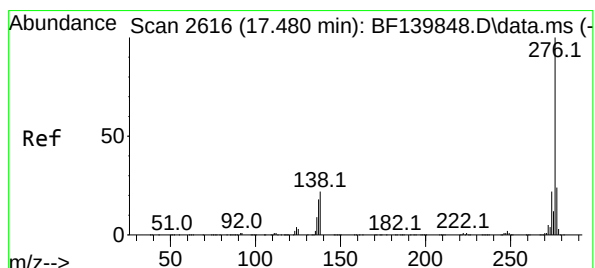
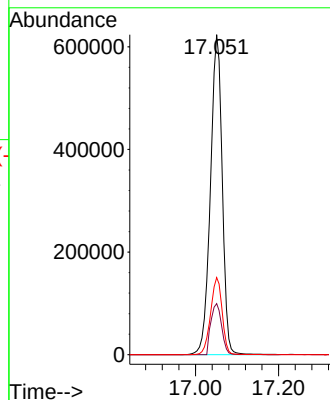
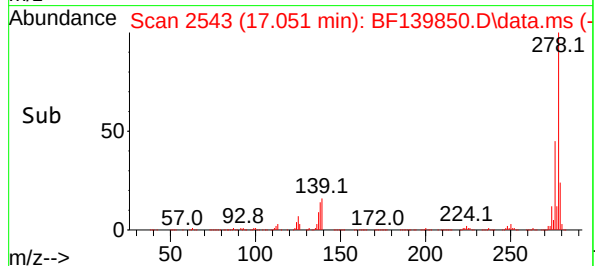
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 1228124
Ion Ratio Lower Upper
278 100
139 16.0 13.1 19.7
279 24.1 19.0 28.4

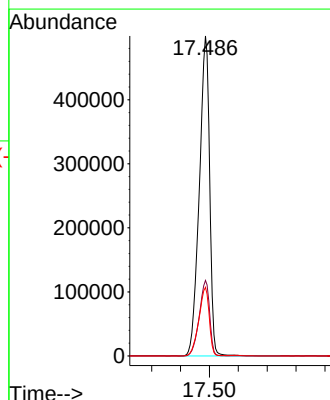
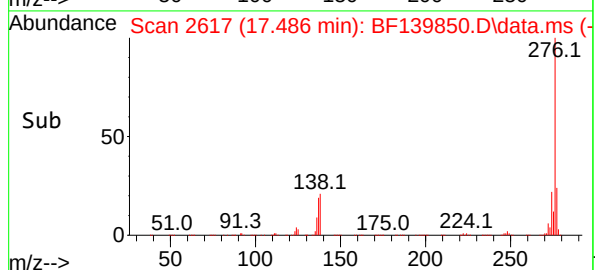
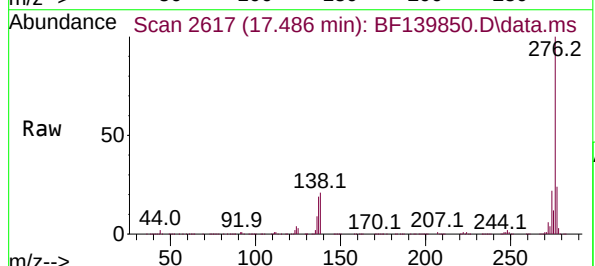
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 61.272 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:276 Resp: 1238955
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139851.D
 Acq On : 18 Oct 2024 13:46
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 14:11:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	187399	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	693285	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	377723	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	633721	20.000	ng	0.00
76) Chrysene-d12	14.057	240	323513	20.000	ng	0.00
86) Perylene-d12	15.533	264	374491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1657822	138.491	ng	0.00
7) Phenol-d6	6.522	99	2147173	138.492	ng	0.01
23) Nitrobenzene-d5	7.463	82	1897374	151.683	ng	0.01
42) 2,4,6-Tribromophenol	10.722	330	522350	147.845	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2941186	128.689	ng	0.00
79) Terphenyl-d14	13.004	244	2634676	132.704	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	410806	73.604	ng	99
3) Pyridine	3.452	79	993777	71.834	ng	99
4) n-Nitrosodimethylamine	3.422	42	567647	76.370	ng	98
6) Aniline	6.598	93	992375m	68.680	ng	
8) 2-Chlorophenol	6.681	128	836233	68.333	ng	98
9) Benzaldehyde	6.445	77	554983	63.632	ng	99
10) Phenol	6.534	94	1125558	69.172	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	886786	71.780	ng	99
12) 1,3-Dichlorobenzene	6.834	146	969627	69.024	ng	98
13) 1,4-Dichlorobenzene	6.910	146	968088	68.978	ng	99
14) 1,2-Dichlorobenzene	7.069	146	861333	65.758	ng	99
15) Benzyl Alcohol	7.034	79	803101	70.616	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1472196	69.886	ng	99
17) 2-Methylphenol	7.140	107	752459	72.109	ng	99
18) Hexachloroethane	7.410	117	357637	71.459	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	651048	69.238	ng	99
20) 3+4-Methylphenols	7.298	107	878987	65.856	ng	# 85
22) Acetophenone	7.310	105	1149288	67.682	ng	98
24) Nitrobenzene	7.481	77	1025571	74.779	ng	99
25) Isophorone	7.722	82	1767234	74.436	ng	100
26) 2-Nitrophenol	7.792	139	434755	84.029	ng	99
27) 2,4-Dimethylphenol	7.822	122	619136	71.765	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	1022457	71.081	ng	100
29) 2,4-Dichlorophenol	8.028	162	711892	72.445	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	774108	71.194	ng	99
31) Naphthalene	8.198	128	2427578	67.894	ng	99
32) Benzoic acid	7.963	122	651887	86.634	ng	99
33) 4-Chloroaniline	8.251	127	849601	69.684	ng	99
34) Hexachlorobutadiene	8.316	225	490203	71.753	ng	99
35) Caprolactam	8.634	113	239184	76.550	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	794640	73.031	ng	99
37) 2-Methylnaphthalene	8.886	142	1487841	67.944	ng	100
38) 1-Methylnaphthalene	8.986	142	1457890	67.858	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	712936	69.962	ng	100
41) Hexachlorocyclopentadiene	9.039	237	256007	72.201	ng	100
43) 2,4,6-Trichlorophenol	9.163	196	535533	74.228	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139851.D
 Acq On : 18 Oct 2024 13:46
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	542663	72.904	ng	99
46) 1,1'-Biphenyl	9.357	154	1753952	66.703	ng	99
47) 2-Chloronaphthalene	9.381	162	1470012	69.411	ng	99
48) 2-Nitroaniline	9.469	65	527552	81.447	ng	99
49) Acenaphthylene	9.792	152	2106357	68.796	ng	99
50) Dimethylphthalate	9.657	163	1676969	71.277	ng	99
51) 2,6-Dinitrotoluene	9.716	165	393234	77.193	ng	99
52) Acenaphthene	9.969	154	1378724	69.610	ng	99
53) 3-Nitroaniline	9.886	138	387157	73.697	ng	96
54) 2,4-Dinitrophenol	9.986	184	169167	79.932	ng	# 1
55) Dibenzofuran	10.139	168	1930402	67.930	ng	99
56) 4-Nitrophenol	10.033	139	314170	77.732	ng	99
57) 2,4-Dinitrotoluene	10.116	165	510703	81.523	ng	97
58) Fluorene	10.480	166	1426794	65.920	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	424598	72.764	ng	99
60) Diethylphthalate	10.357	149	1631842	70.641	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	730565	66.837	ng	100
62) 4-Nitroaniline	10.504	138	383383	77.270	ng	98
63) Azobenzene	10.633	77	1727533	70.539	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	235323	91.037	ng	98
66) n-Nitrosodiphenylamine	10.592	169	1350839	71.220	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	477995	73.216	ng	99
68) Hexachlorobenzene	11.028	284	536511	73.070	ng	98
69) Atrazine	11.116	200	382294	74.406	ng	99
70) Pentachlorophenol	11.216	266	354105	79.464	ng	99
71) Phenanthrene	11.445	178	2045577	68.336	ng	100
72) Anthracene	11.492	178	1995750	68.333	ng	99
73) Carbazole	11.645	167	1818340	66.943	ng	99
74) Di-n-butylphthalate	11.980	149	2153517	68.623	ng	100
75) Fluoranthene	12.627	202	1955847	64.632	ng	99
77) Benzidine	12.745	184	318678	60.567	ng	99
78) Pyrene	12.857	202	1935829	68.360	ng	99
80) Butylbenzylphthalate	13.474	149	664532	78.274	ng	98
81) Benzo(a)anthracene	14.045	228	1512920	71.840	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	496976	80.937	ng	98
83) Chrysene	14.080	228	1424522	73.774	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	794387	83.399	ng	99
85) Di-n-octyl phthalate	14.651	149	1534331	88.561	ng	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	1877616	77.935	ng	99
88) Benzo(b)fluoranthene	15.098	252	1664856	72.980	ng	99
89) Benzo(k)fluoranthene	15.133	252	1419158	72.134	ng	99
90) Benzo(a)pyrene	15.474	252	1419026	75.598	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	1552091	77.226	ng	99
92) Benzo(g,h,i)perylene	17.492	276	1550622	77.240	ng	100

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

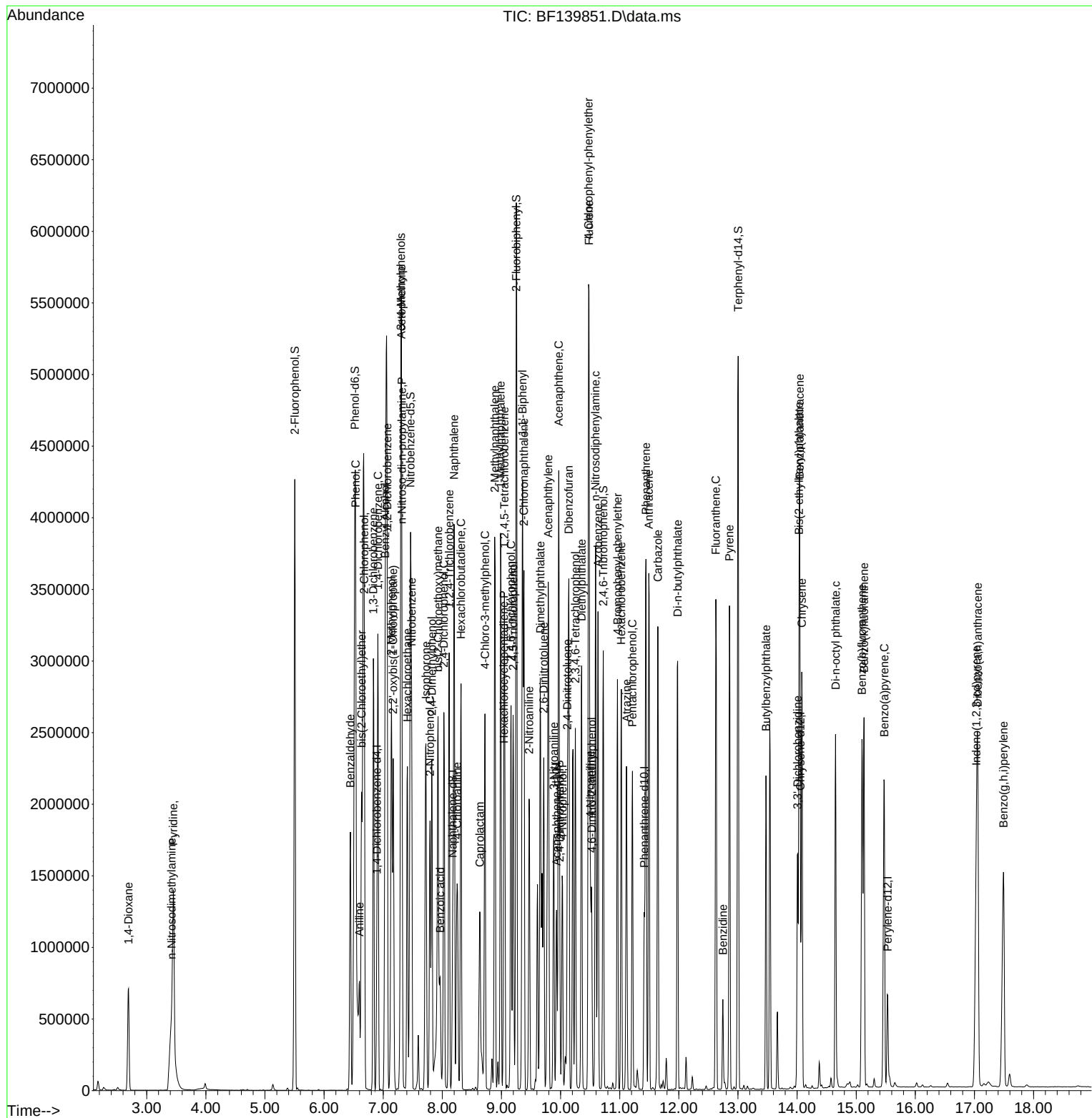
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139851.D
Acq On : 18 Oct 2024 13:46
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

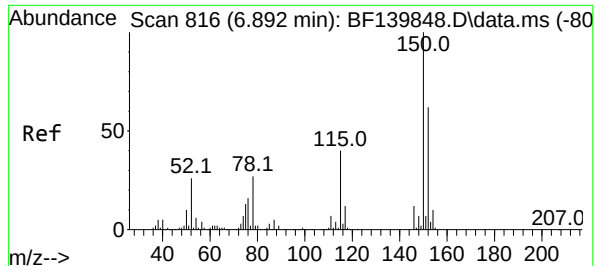
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

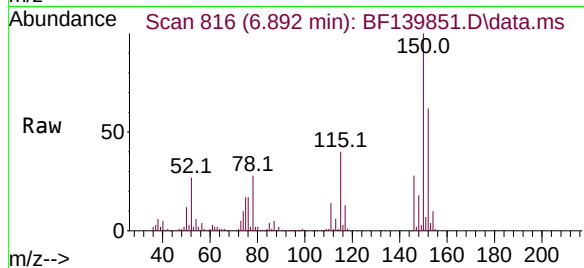
Quant Time: Oct 18 14:21:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

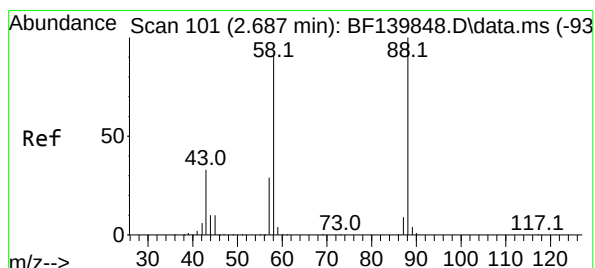
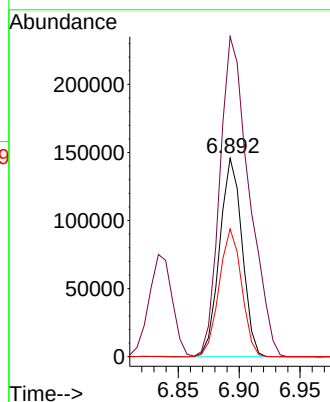
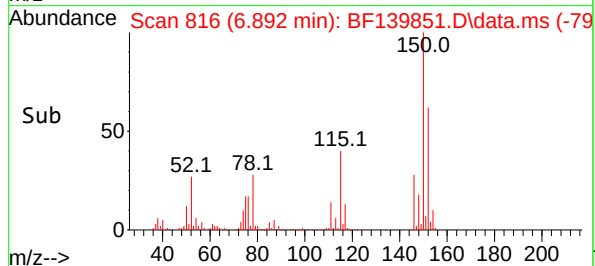
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 187399
Ion Ratio Lower Upper
152 100
150 161.2 130.2 195.2
115 64.4 51.4 77.2

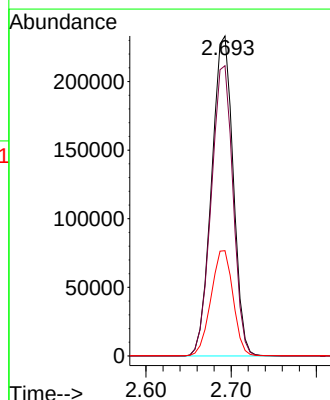
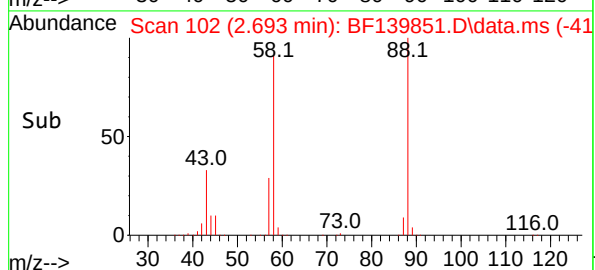
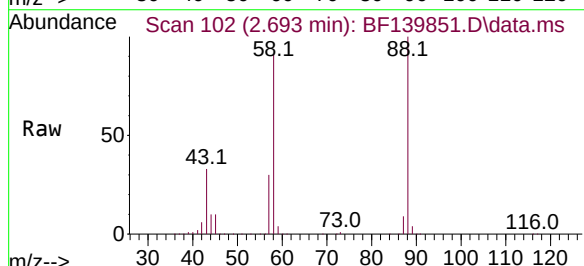
Manual Integrations
APPROVED

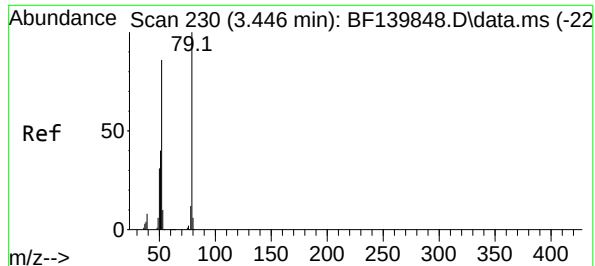
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 73.604 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

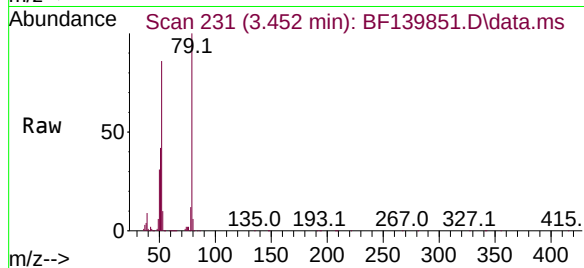
Tgt Ion: 88 Resp: 410806
Ion Ratio Lower Upper
88 100
58 91.2 73.3 109.9
43 33.5 27.1 40.7





#3
Pyridine
Concen: 71.834 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

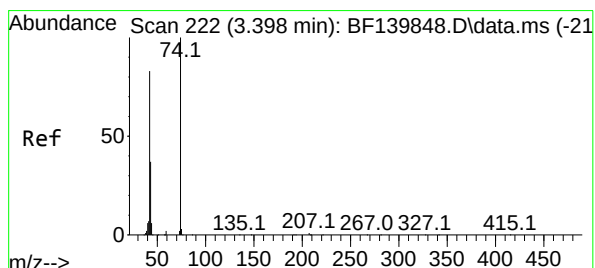
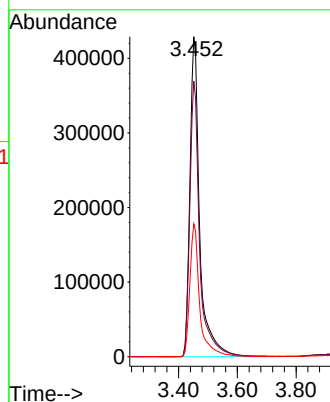
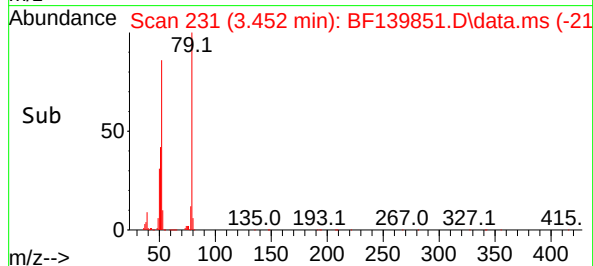
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 99377
Ion Ratio Lower Upper
79 100
52 86.1 68.5 102.7
51 41.5 32.3 48.5

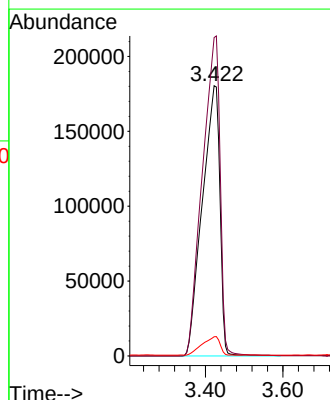
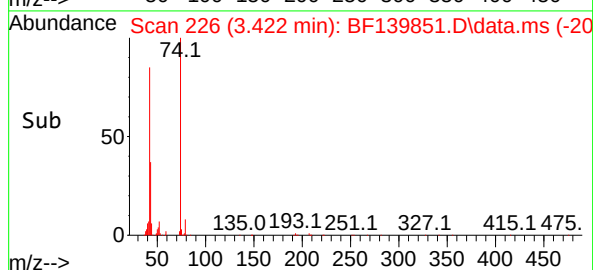
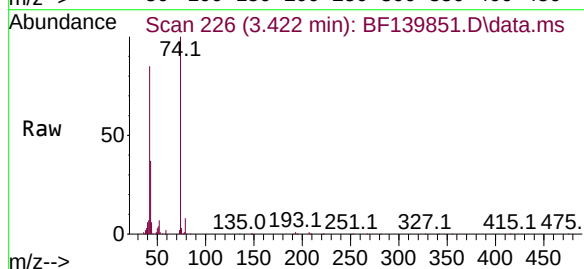
Manual Integrations
APPROVED

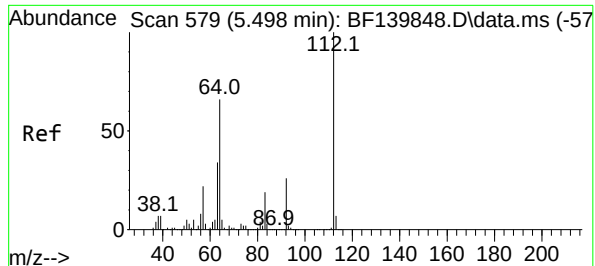
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#4
n-Nitrosodimethylamine
Concen: 76.370 ng
RT: 3.422 min Scan# 226
Delta R.T. 0.024 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 42 Resp: 567647
Ion Ratio Lower Upper
42 100
74 117.8 96.2 144.4
44 7.1 6.2 9.2





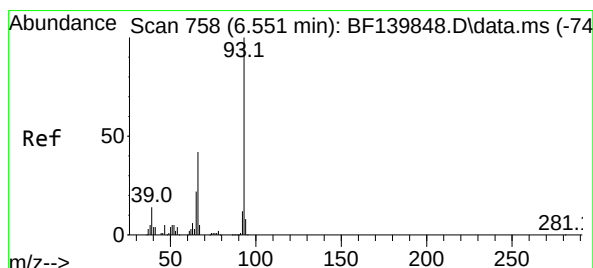
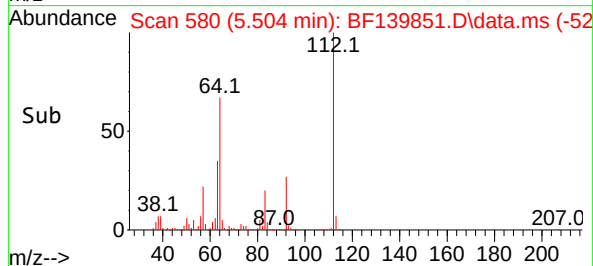
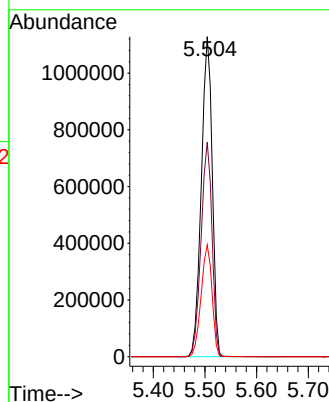
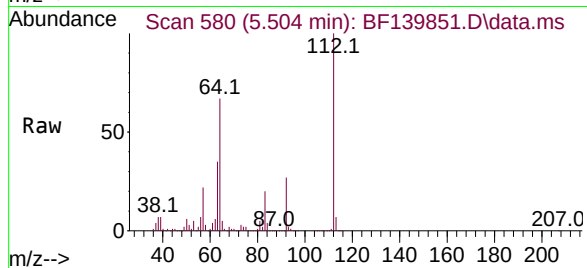
#5
2-Fluorophenol
Concen: 138.491 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 112 Resp: 165782
Ion Ratio Lower Upper
112 100
64 67.0 53.0 79.6
63 35.0 27.0 40.4

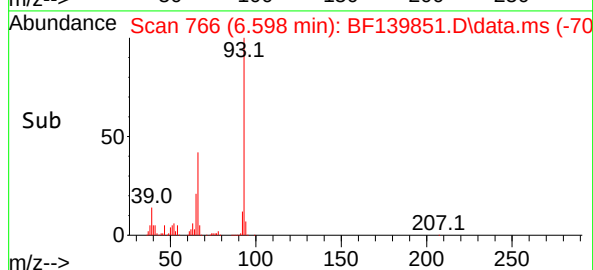
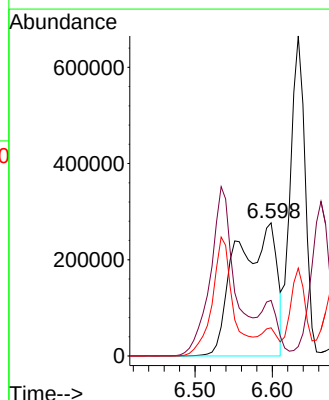
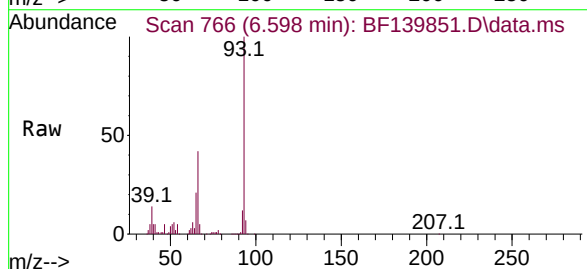
Manual Integrations
APPROVED

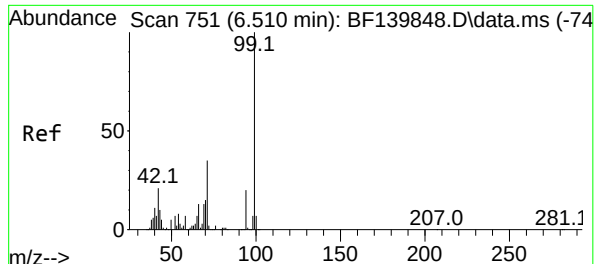
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 68.680 ng m
RT: 6.598 min Scan# 766
Delta R.T. 0.047 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

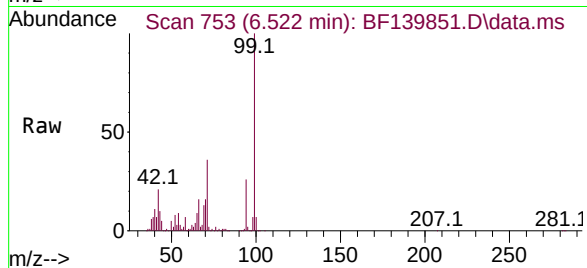
Tgt Ion: 93 Resp: 992375
Ion Ratio Lower Upper
93 100
66 41.8 34.0 51.0
65 21.1 17.4 26.0





#7
Phenol-d6
Concen: 138.492 ng
RT: 6.522 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

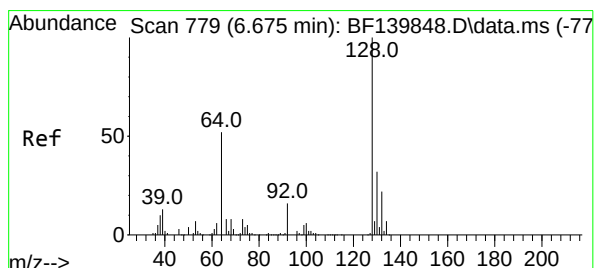
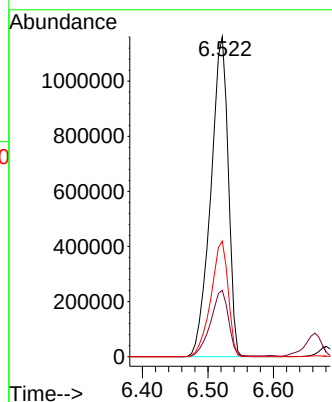
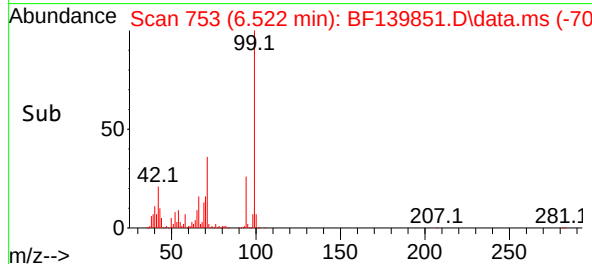
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 99 Resp: 214717
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 36.1 27.7 41.5

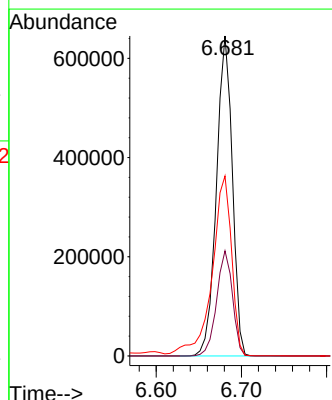
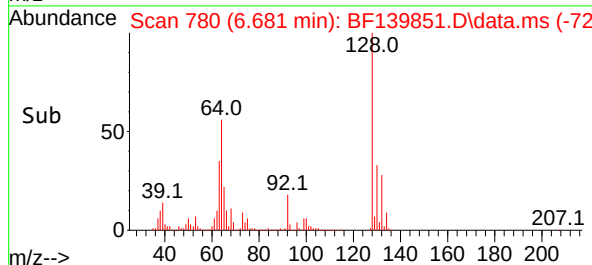
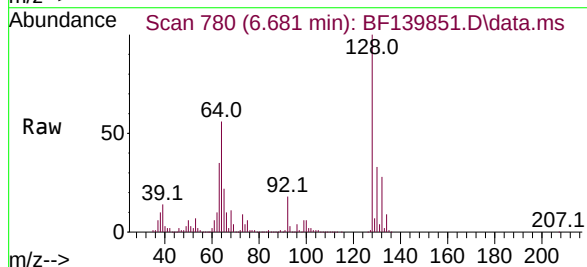
Manual Integrations
APPROVED

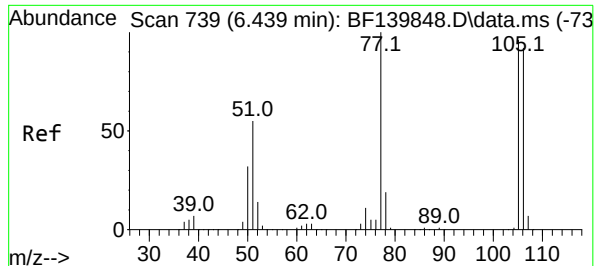
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 68.333 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:128 Resp: 836233
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 56.2 34.6 74.6





#9

Benzaldehyde

Concen: 63.632 ng

RT: 6.445 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 55498

Ion Ratio Lower Upper

77 100

105 96.4 75.5 115.5

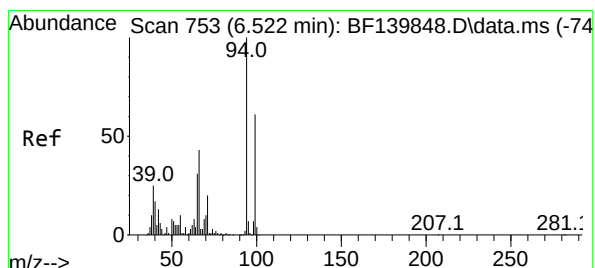
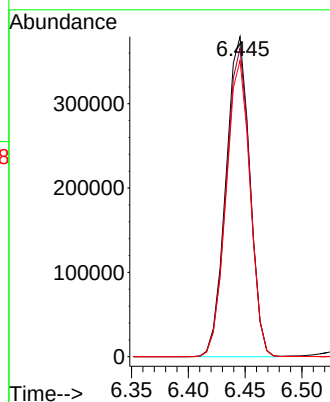
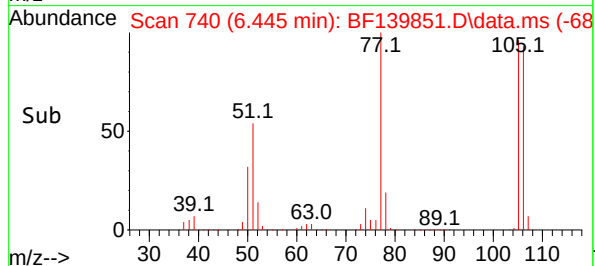
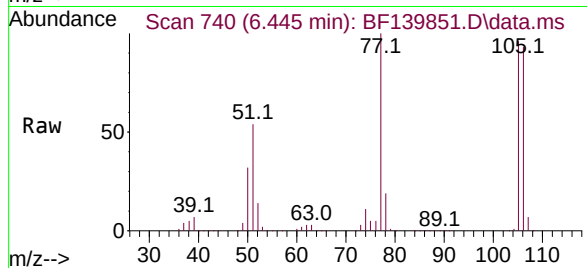
106 92.6 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 69.172 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

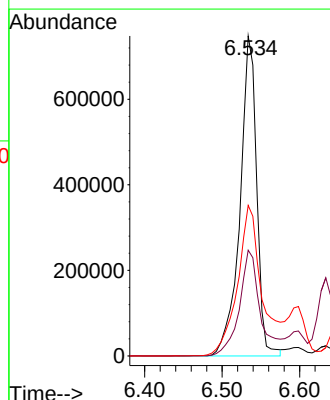
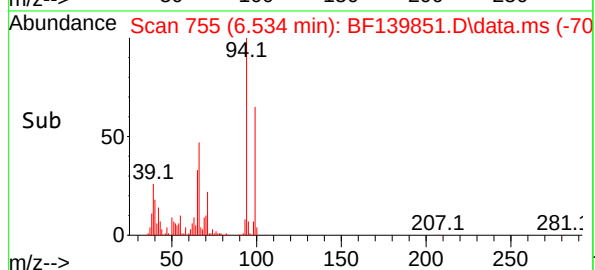
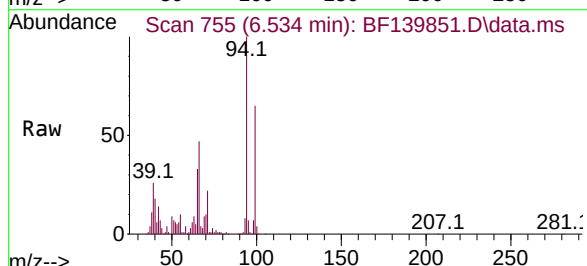
Tgt Ion: 94 Resp: 1125558

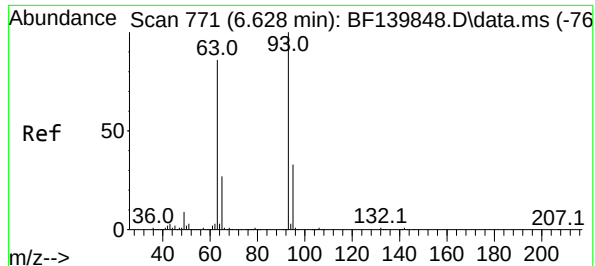
Ion Ratio Lower Upper

94 100

65 33.1 11.1 51.1

66 47.1 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 71.780 ng

RT: 6.634 min Scan# 771

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 886780

Ion Ratio Lower Upper

93 100

63 85.6 65.0 105.0

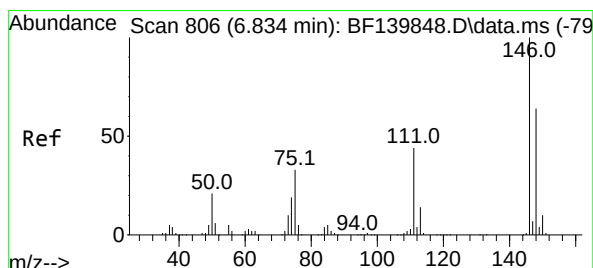
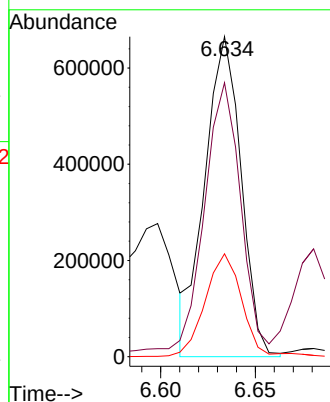
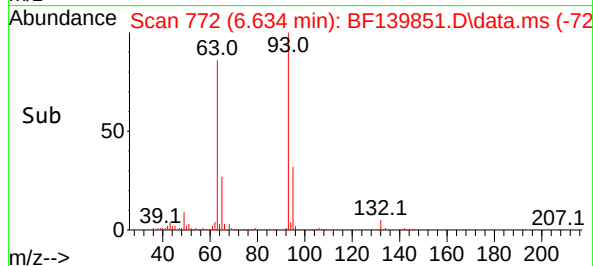
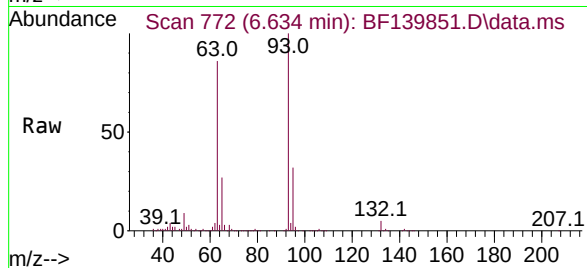
95 32.2 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#12

1,3-Dichlorobenzene

Concen: 69.024 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

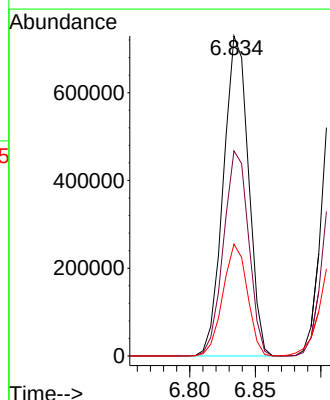
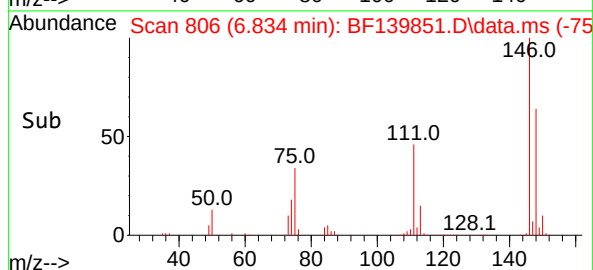
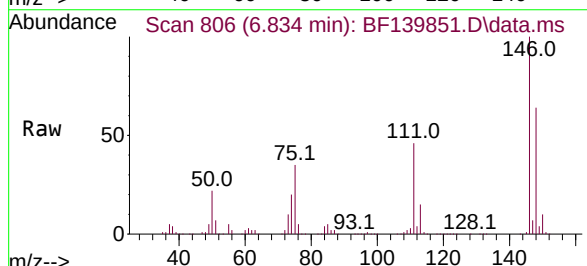
Tgt Ion:146 Resp: 969627

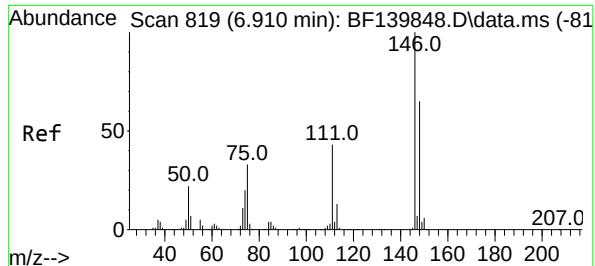
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.4

75 35.0 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 68.978 ng

RT: 6.910 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 96808

Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.8

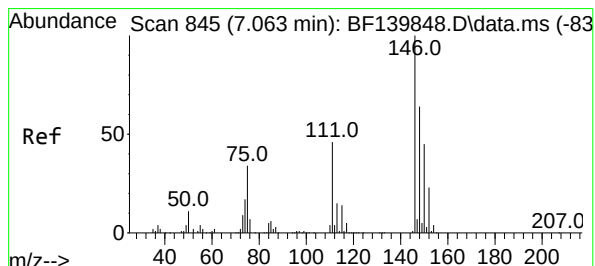
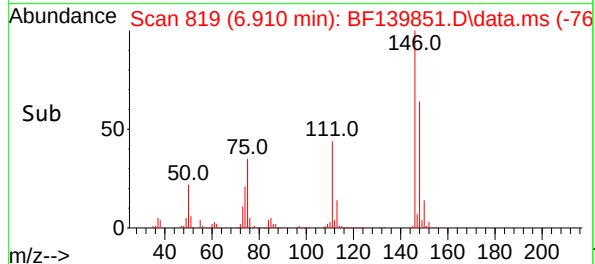
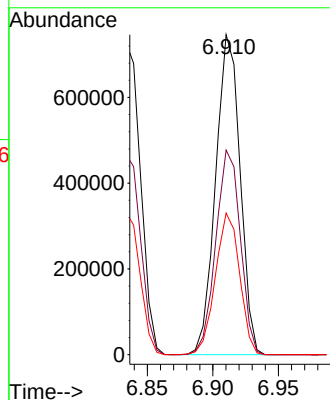
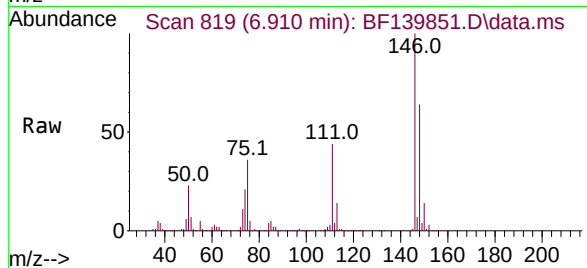
111 44.3 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 65.758 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

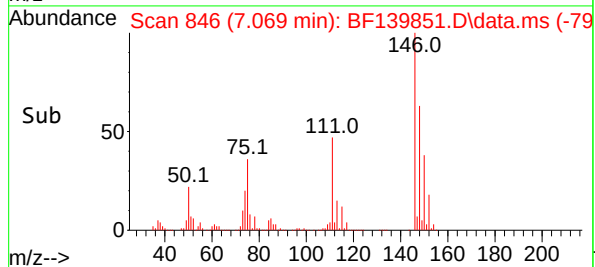
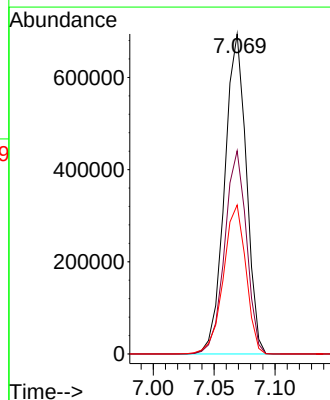
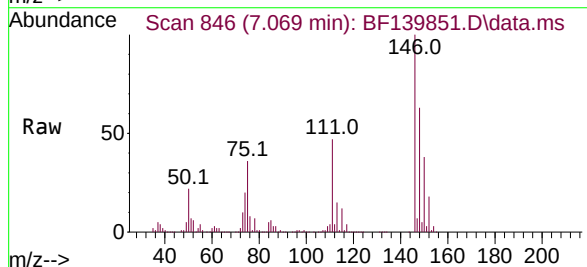
Tgt Ion:146 Resp: 861333

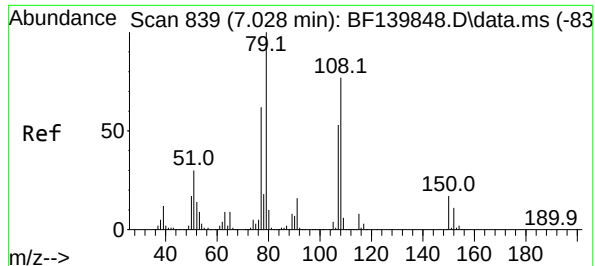
Ion Ratio Lower Upper

146 100

148 63.5 51.4 77.2

111 46.5 36.7 55.1





#15

Benzyl Alcohol

Concen: 70.616 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 80310

Ion Ratio Lower Upper

79 100

108 74.0 61.4 92.0

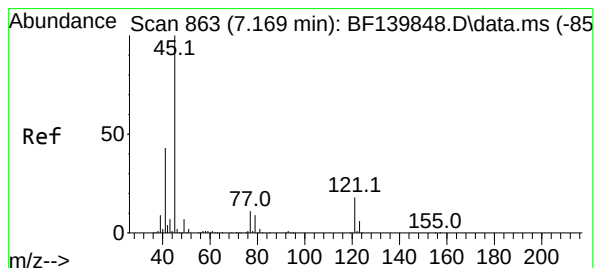
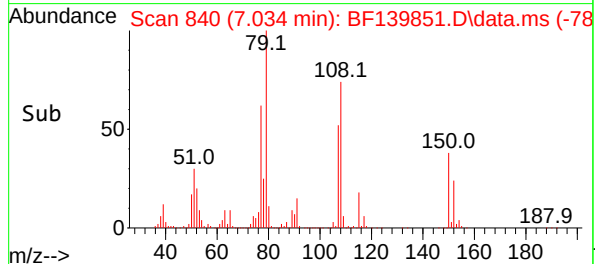
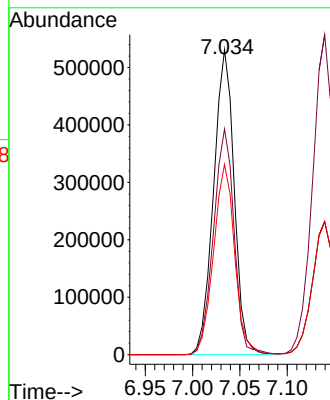
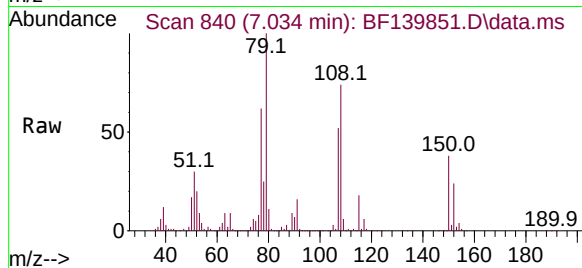
77 62.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 69.886 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

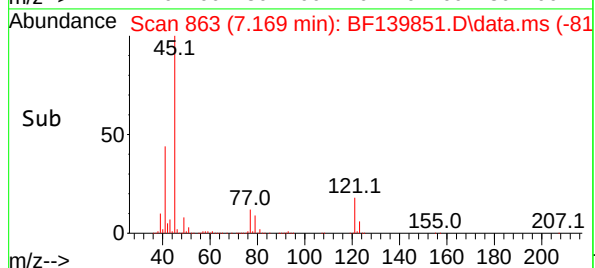
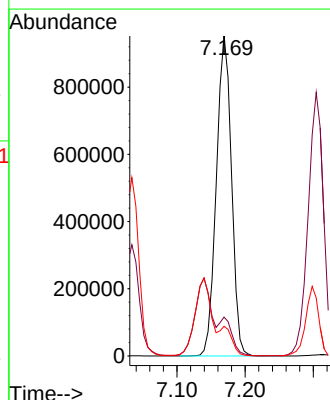
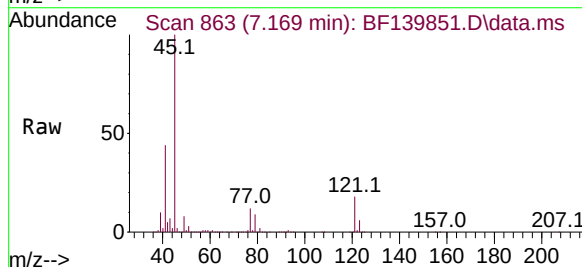
Tgt Ion: 45 Resp: 1472196

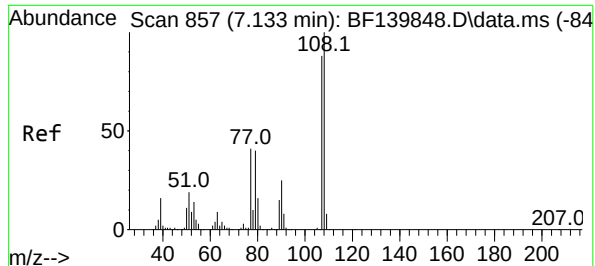
Ion Ratio Lower Upper

45 100

77 12.2 0.0 31.5

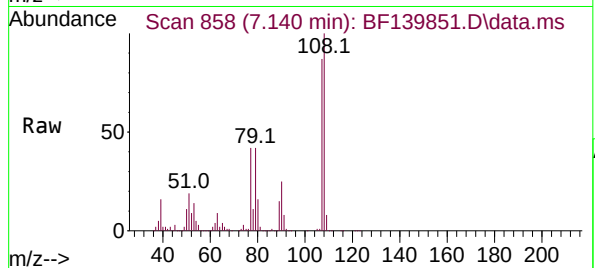
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 72.109 ng
RT: 7.140 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

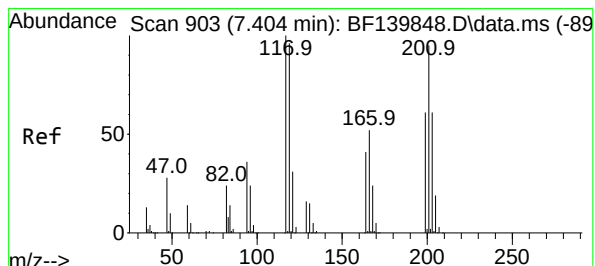
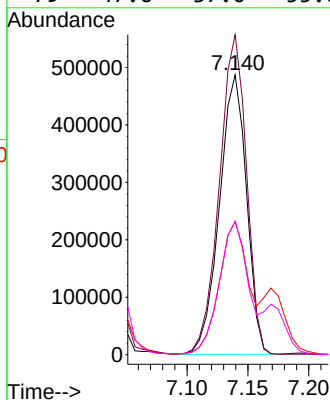
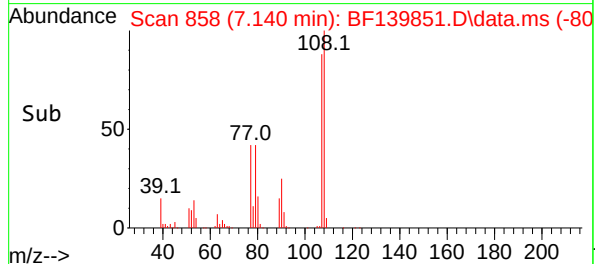
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 752459
Ion Ratio Lower Upper
107 100
108 114.3 91.3 136.9
77 47.6 37.1 55.7
79 47.6 37.0 55.6

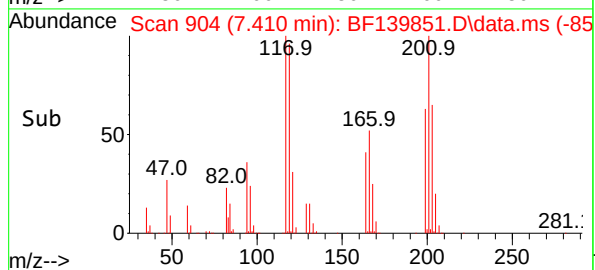
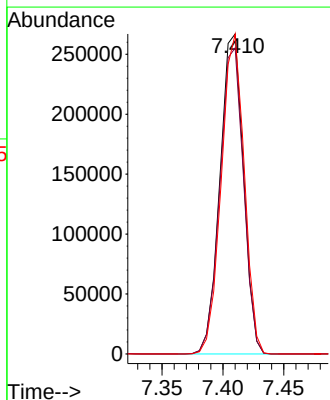
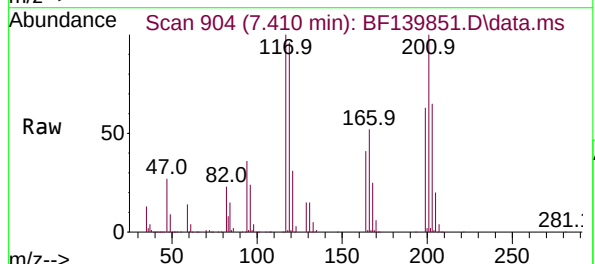
Manual Integrations
APPROVED

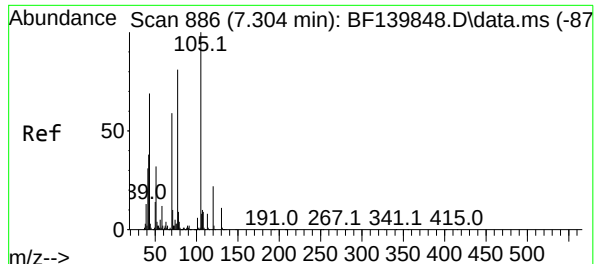
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 71.459 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

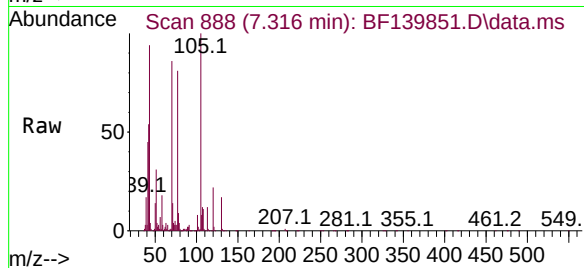
Tgt Ion:117 Resp: 357637
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.4
201 99.9 76.2 114.4





#19
n-Nitroso-di-n-propylamine
Concen: 69.238 ng
RT: 7.316 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

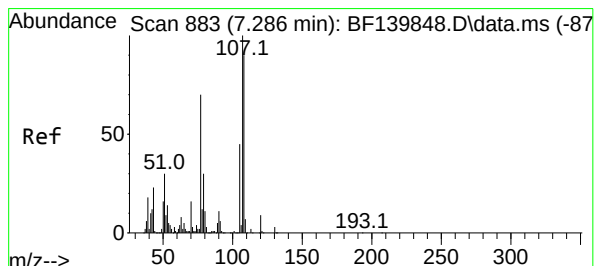
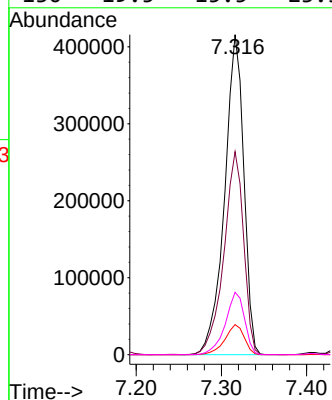
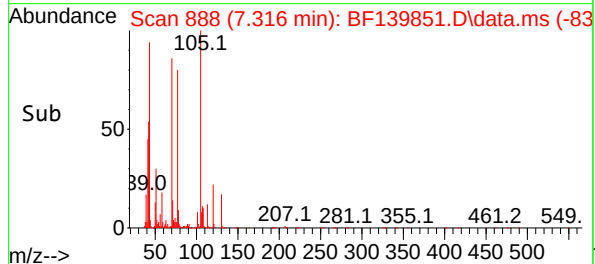
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 70 Resp: 651044
Ion Ratio Lower Upper
70 100
42 63.4 51.5 77.3
101 9.4 7.5 11.3
130 19.5 15.5 23.3

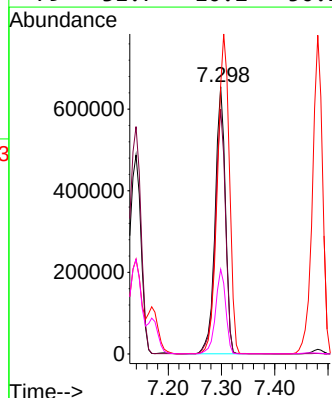
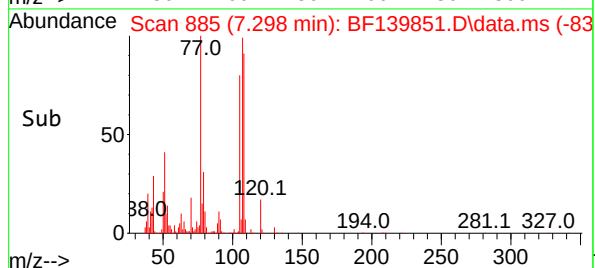
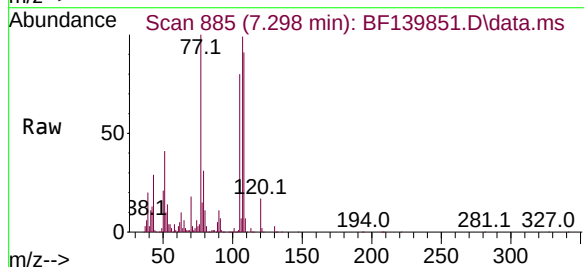
Manual Integrations
APPROVED

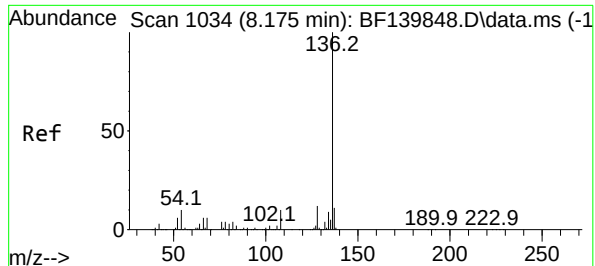
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#20
3+4-Methylphenols
Concen: 65.856 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

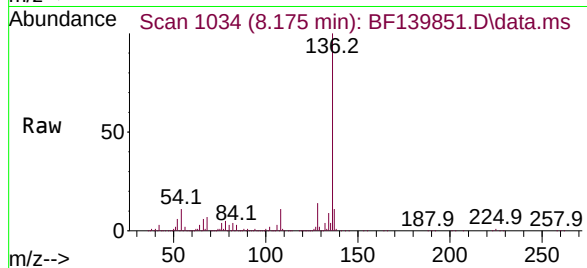
Tgt Ion:107 Resp: 878987
Ion Ratio Lower Upper
107 100
108 91.7 69.8 109.8
77 100.5 50.5 90.5#
79 31.7 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

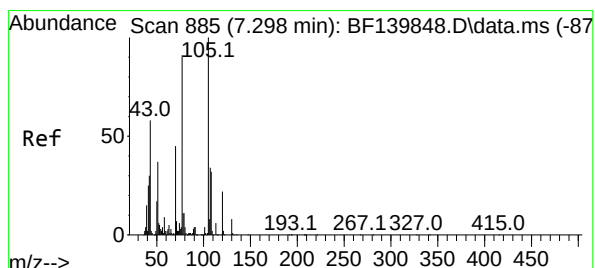
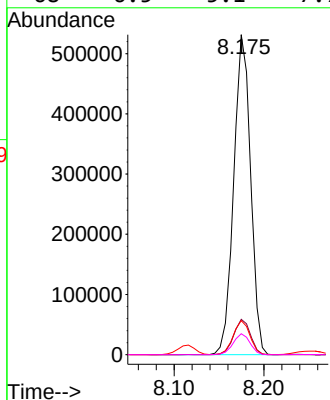
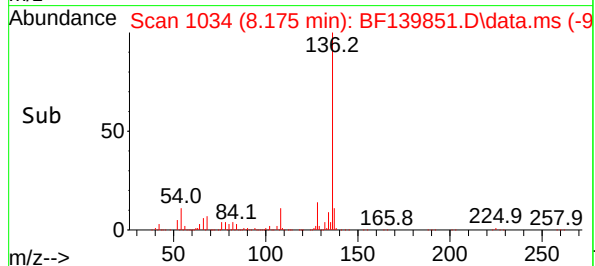
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 693285
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.6 8.4 12.6
68 6.5 5.1 7.7

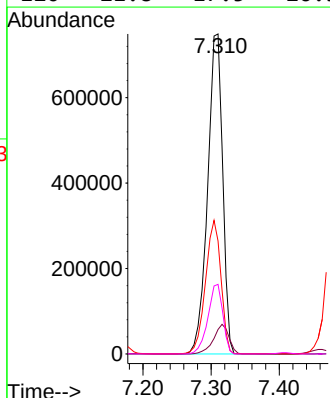
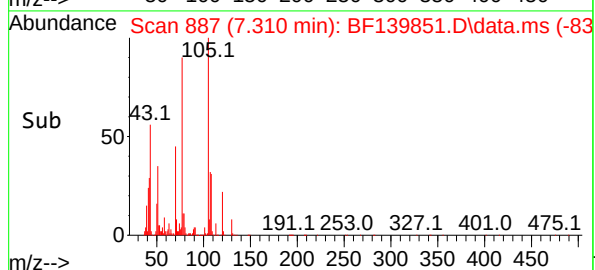
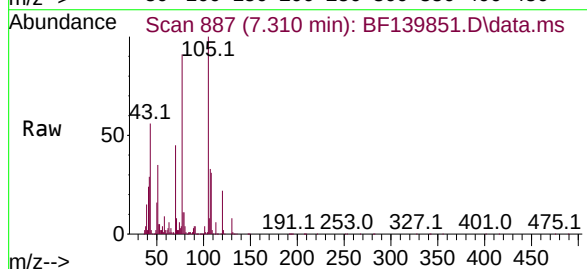
Manual Integrations
APPROVED

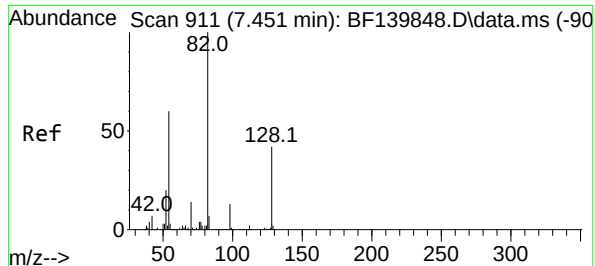
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#22
Acetophenone
Concen: 67.682 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:105 Resp: 1149288
Ion Ratio Lower Upper
105 100
71 7.6 5.9 8.9
51 35.3 29.4 44.2
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 151.683 ng

RT: 7.463 min Scan# 911

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1897374

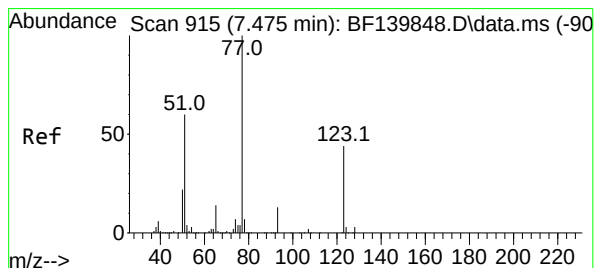
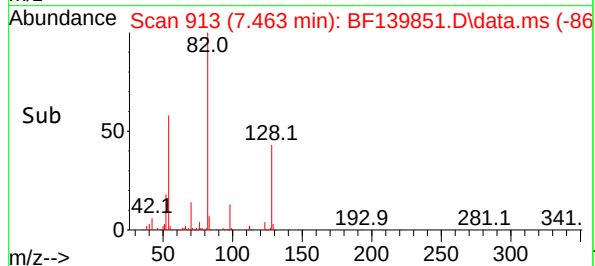
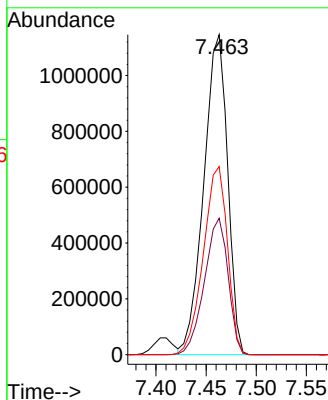
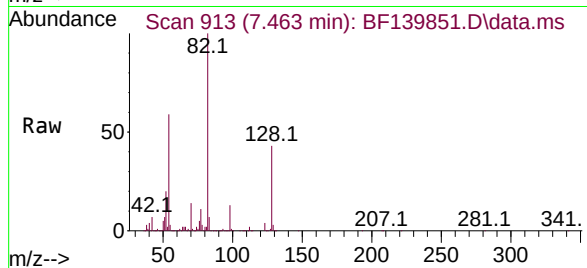
Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.4	50.0
54	58.8	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 74.779 ng

RT: 7.481 min Scan# 916

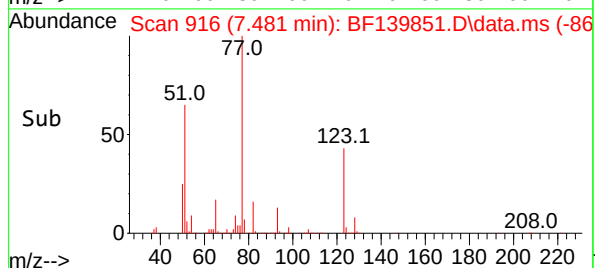
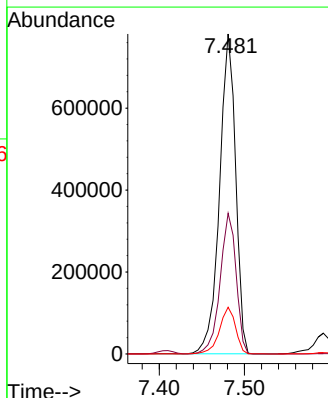
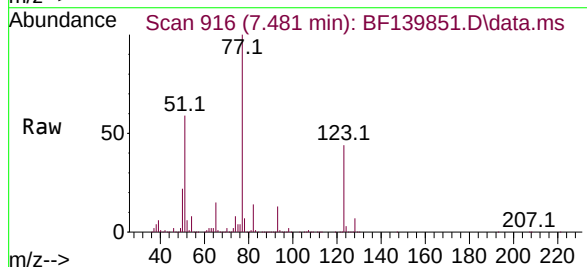
Delta R.T. 0.006 min

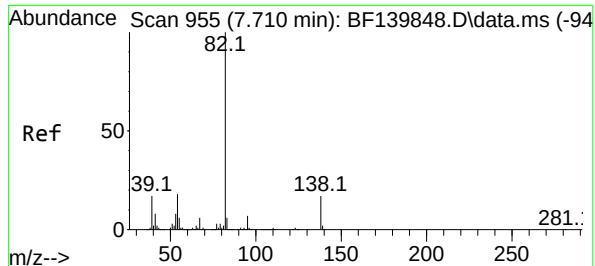
Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Tgt Ion: 77 Resp: 1025571

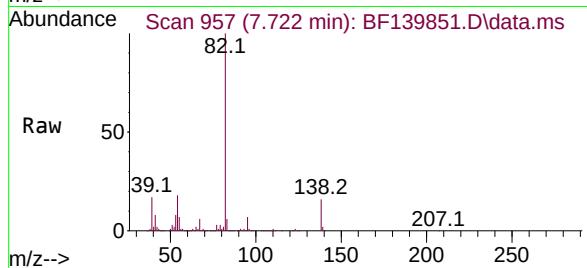
Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.7	53.5
65	14.6	11.5	17.3





#25
Isophorone
Concen: 74.436 ng
RT: 7.722 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

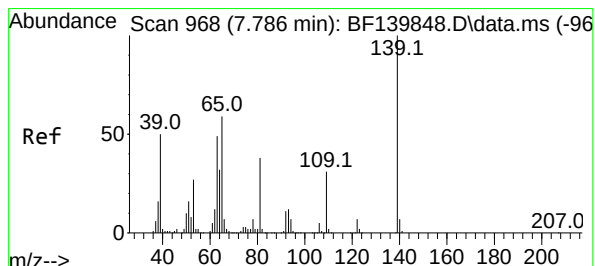
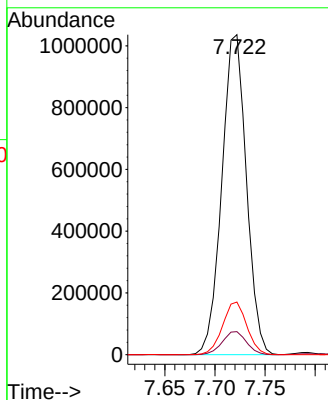
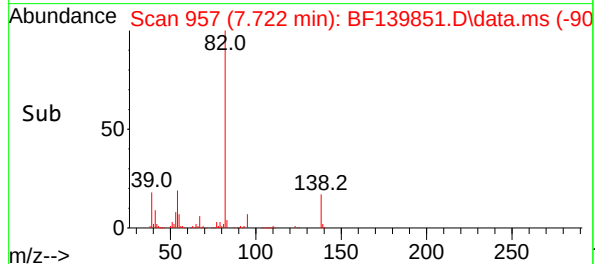
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 1767234
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 16.5 13.2 19.8

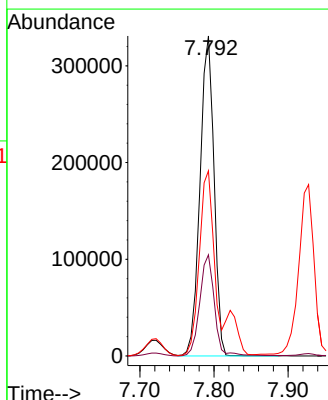
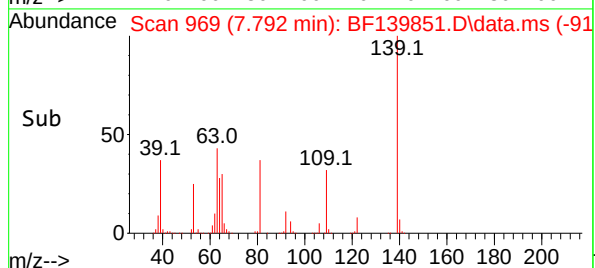
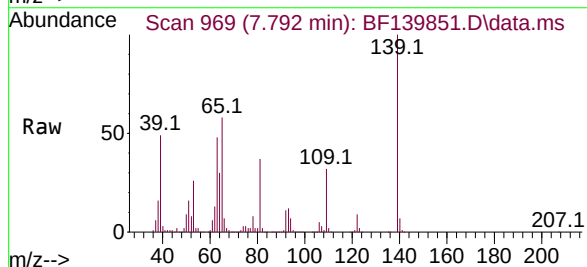
Manual Integrations
APPROVED

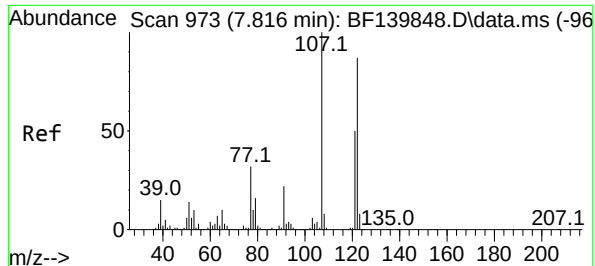
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#26
2-Nitrophenol
Concen: 84.029 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:139 Resp: 434755
Ion Ratio Lower Upper
139 100
109 31.6 25.1 37.7
65 57.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 71.765 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139851.D

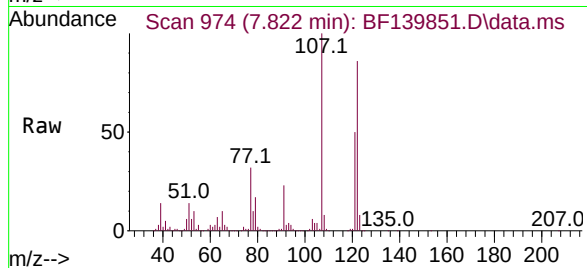
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



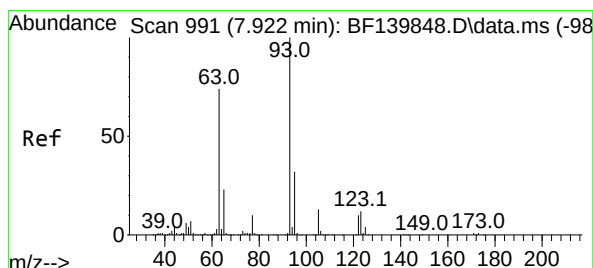
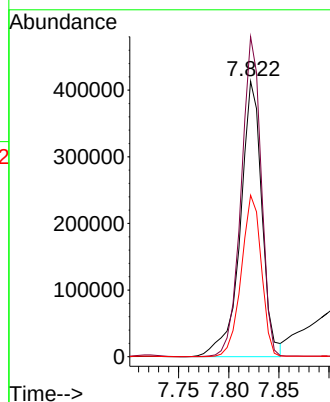
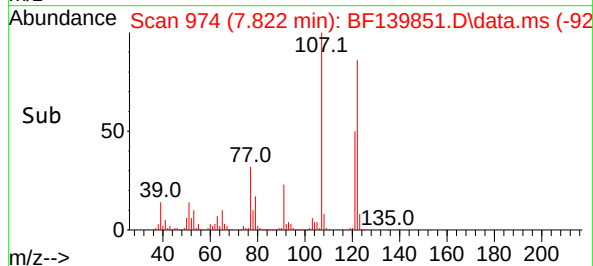
Tgt Ion:	122	Resp:	619130
Ion	Ratio	Lower	Upper
122	100		
107	116.2	91.9	137.9
121	58.6	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 71.081 ng

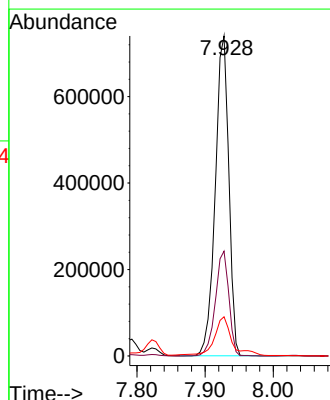
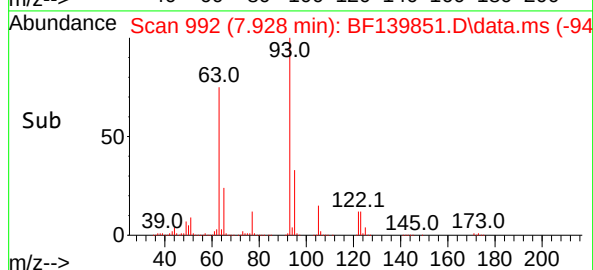
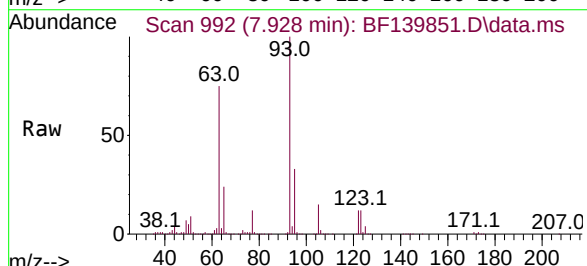
RT: 7.928 min Scan# 992

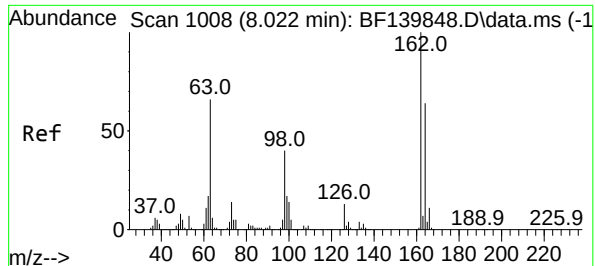
Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Tgt Ion:	93	Resp:	1022457
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.2	9.8	14.8





#29

2,4-Dichlorophenol

Concen: 72.445 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 71189

Ion Ratio Lower Upper

162 100

164 64.5 43.9 83.9

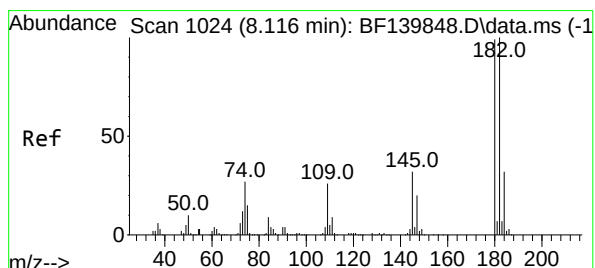
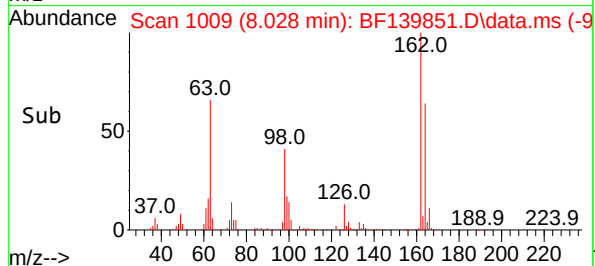
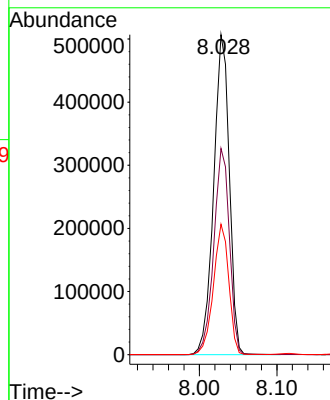
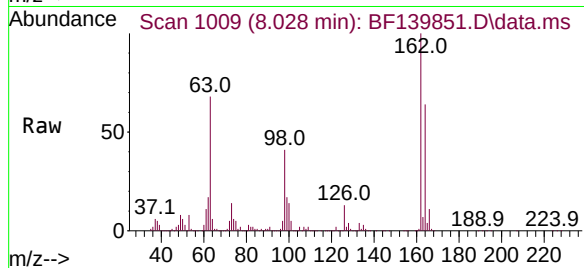
98 40.8 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 71.194 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

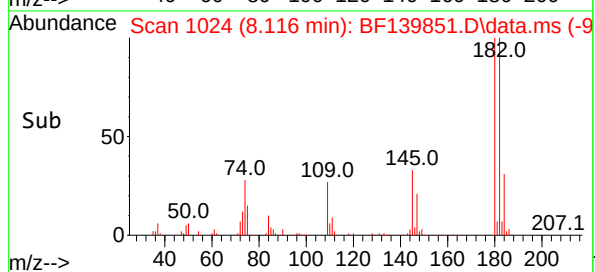
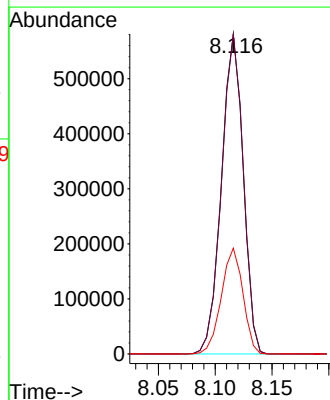
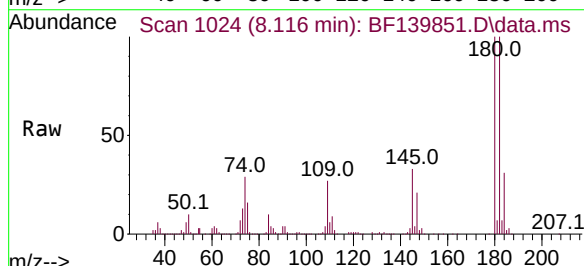
Tgt Ion:180 Resp: 774108

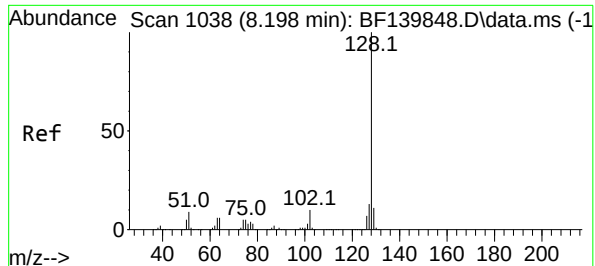
Ion Ratio Lower Upper

180 100

182 99.8 80.5 120.7

145 33.0 25.4 38.0





#31

Naphthalene

Concen: 67.894 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:128 Resp: 2427578

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

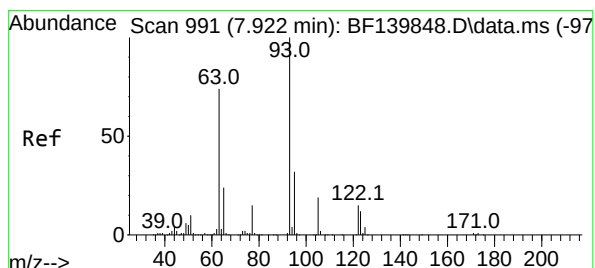
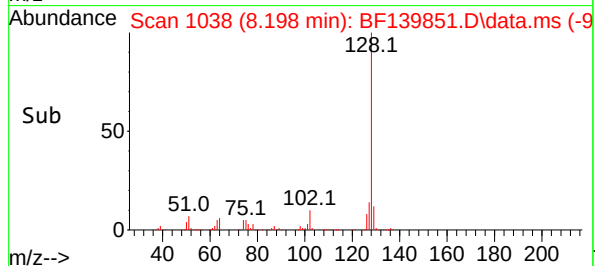
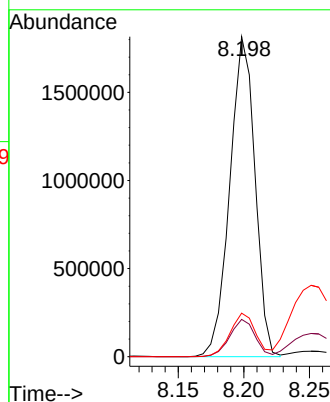
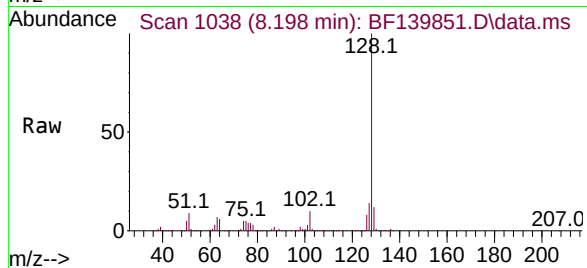
127 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 86.634 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.041 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

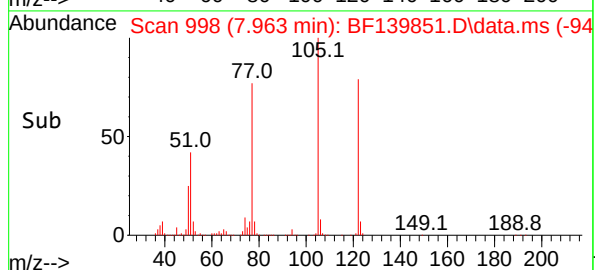
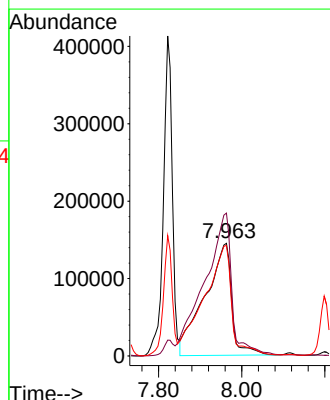
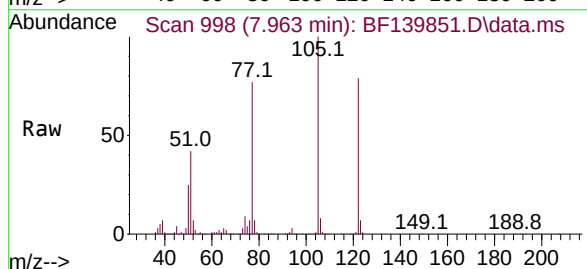
Tgt Ion:122 Resp: 651887

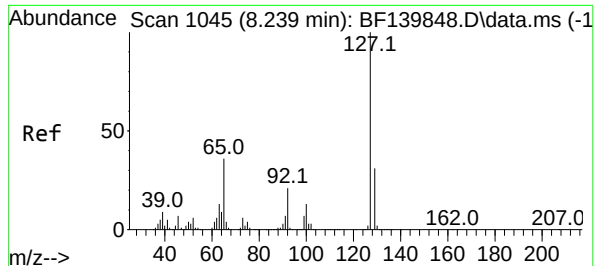
Ion Ratio Lower Upper

122 100

105 126.8 107.6 147.6

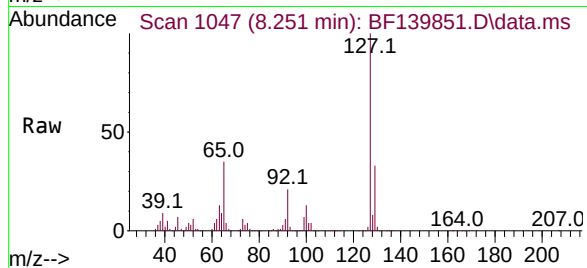
77 98.1 80.2 120.2





#33
4-Chloroaniline
Concen: 69.684 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

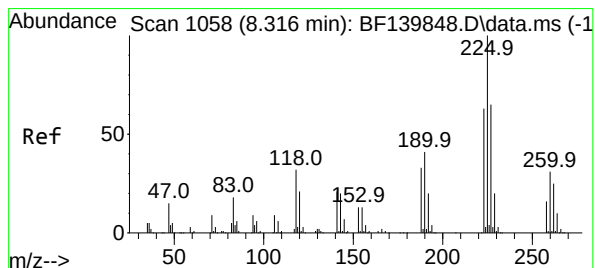
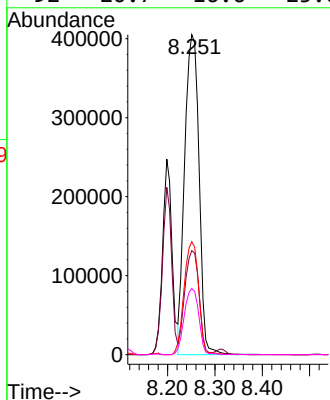
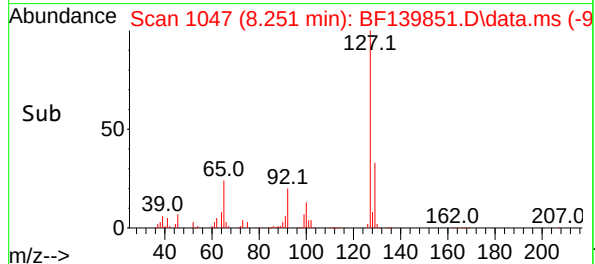
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:127 Resp: 84960
Ion Ratio Lower Upper
127 100
129 32.5 25.4 38.2
65 35.3 28.4 42.6
92 20.7 16.6 25.0

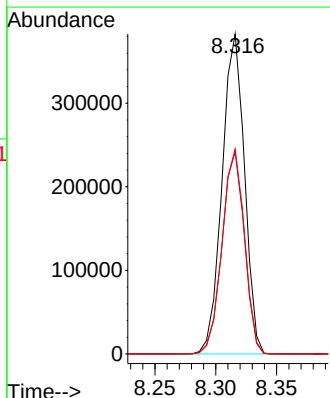
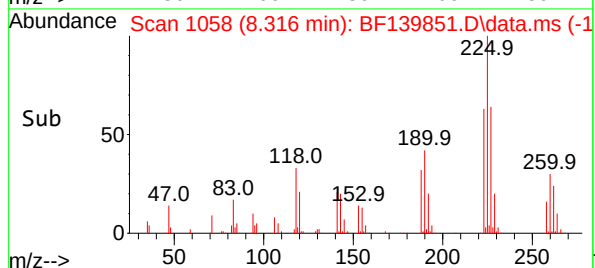
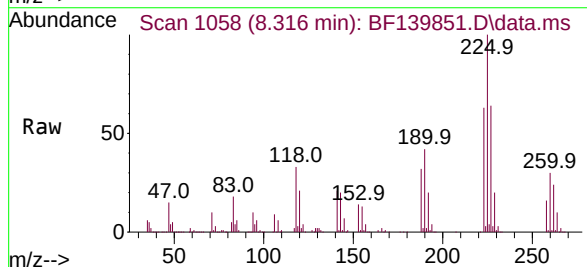
Manual Integrations
APPROVED

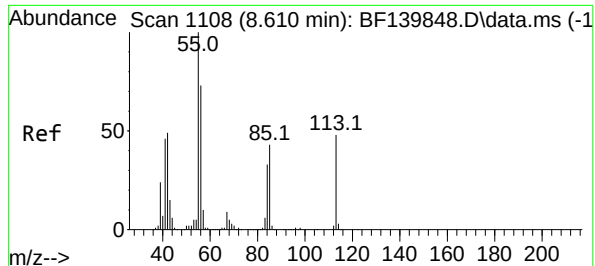
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 71.753 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:225 Resp: 490203
Ion Ratio Lower Upper
225 100
223 63.2 50.6 76.0
227 64.0 51.8 77.8





#35

Caprolactam

Concen: 76.550 ng

RT: 8.634 min Scan# 1108

Delta R.T. 0.024 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

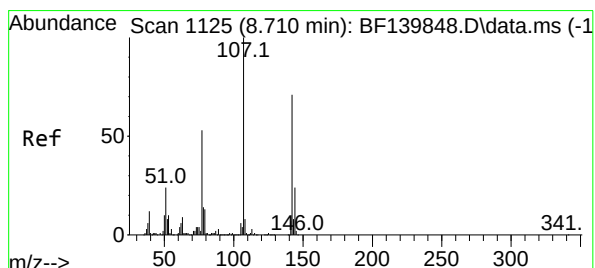
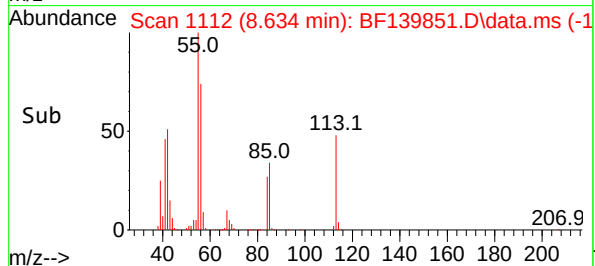
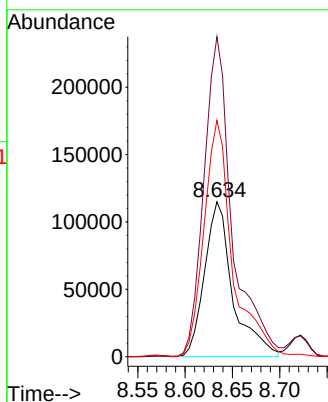
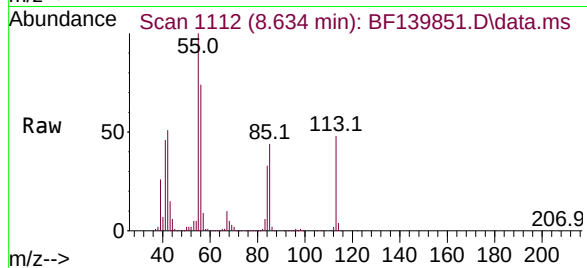
SSTDICC080

Tgt Ion	Ratio	Lower	Upper
113	100		
55	206.7	189.2	229.2
56	152.7	132.5	172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#36

4-Chloro-3-methylphenol

Concen: 73.031 ng

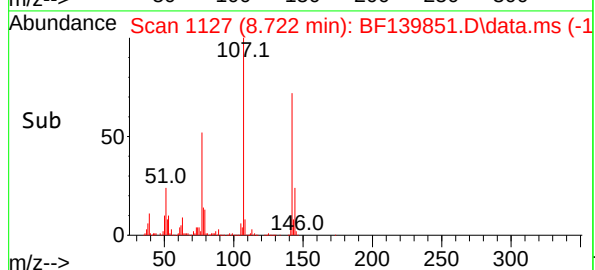
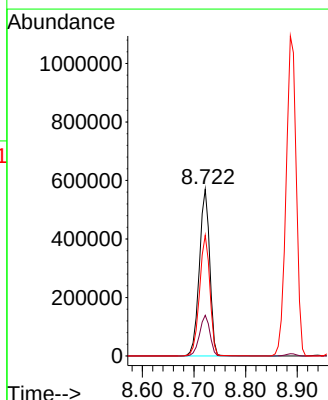
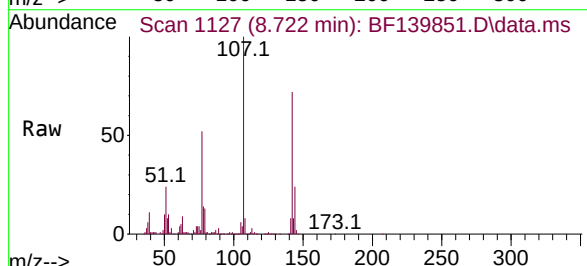
RT: 8.722 min Scan# 1127

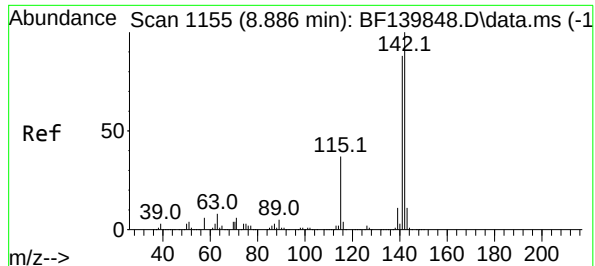
Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.1	28.7
142	72.3	57.2	85.8





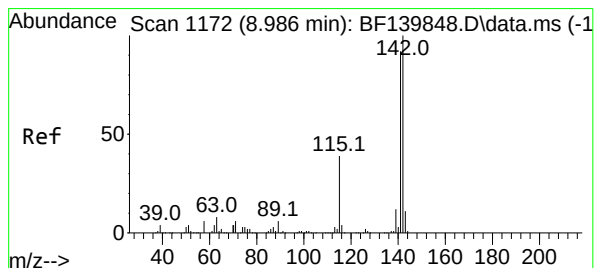
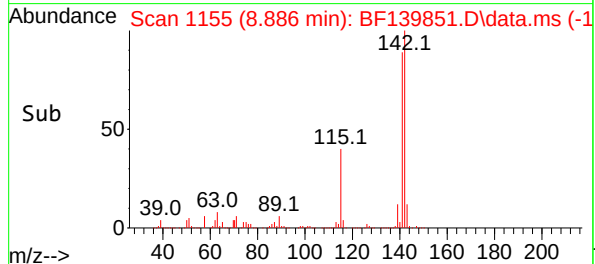
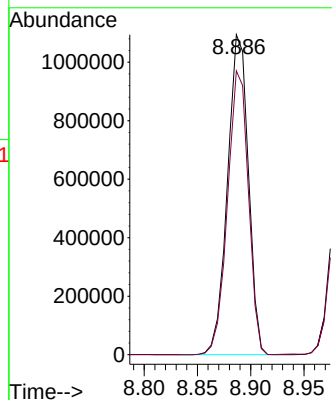
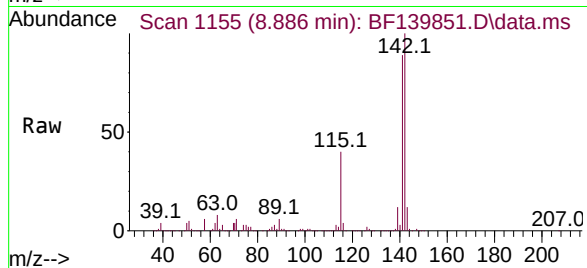
#37
2-Methylnaphthalene
Concen: 67.944 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 148784
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2

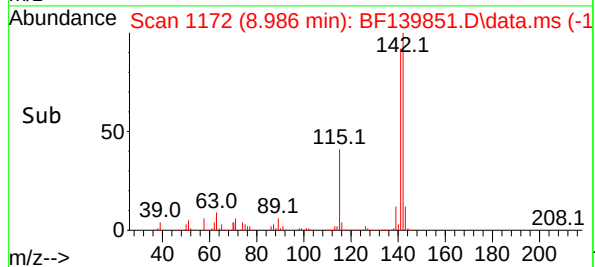
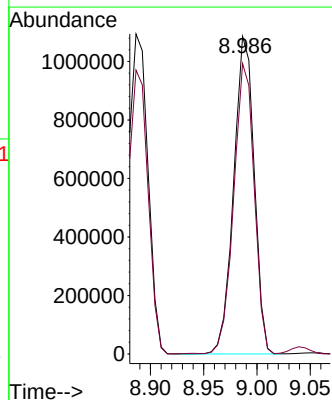
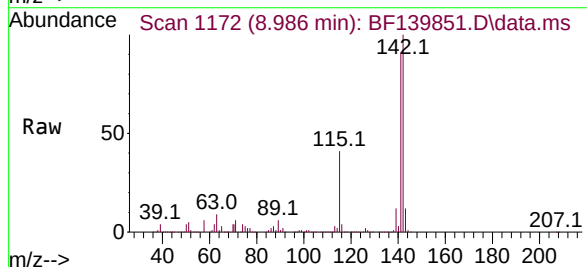
Manual Integrations
APPROVED

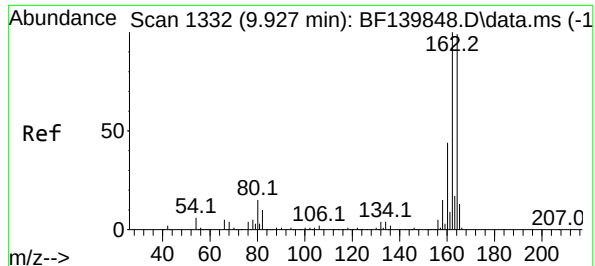
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#38
1-Methylnaphthalene
Concen: 67.858 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

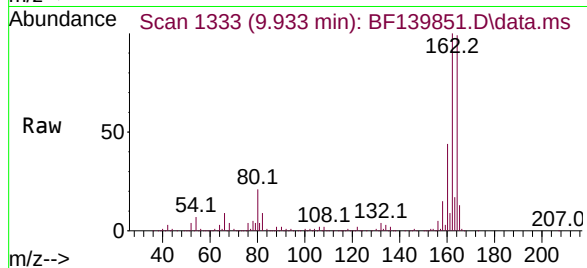
Tgt Ion:142 Resp: 1457890
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

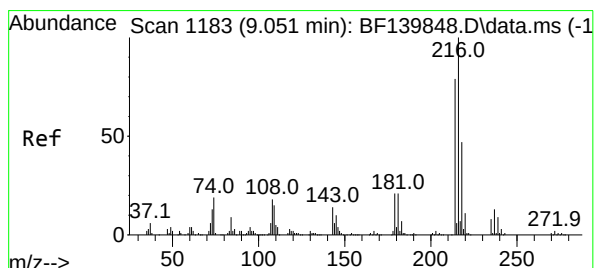
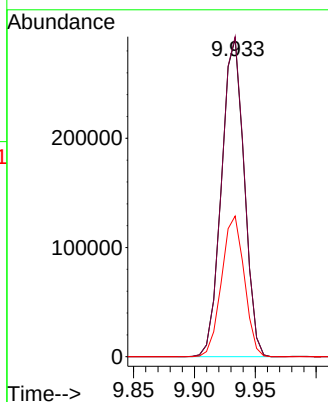
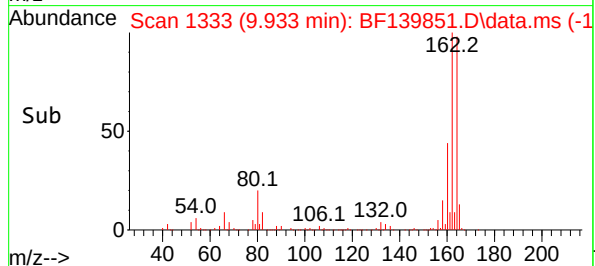
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:164 Resp: 37772
Ion Ratio Lower Upper
164 100
162 100.7 81.0 121.4
160 44.3 35.4 53.0

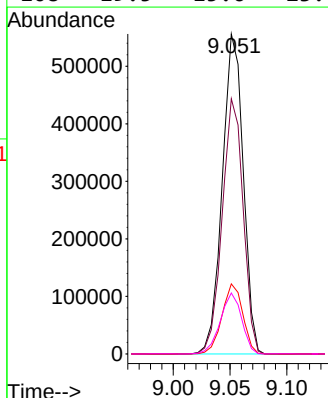
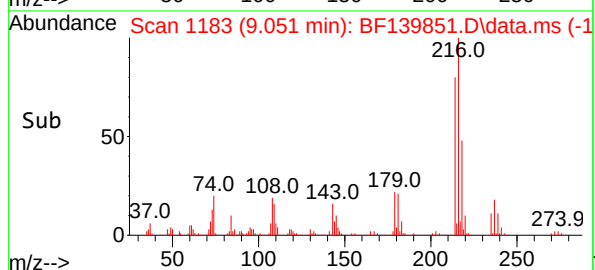
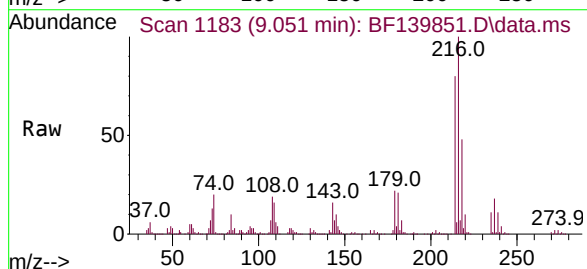
Manual Integrations
APPROVED

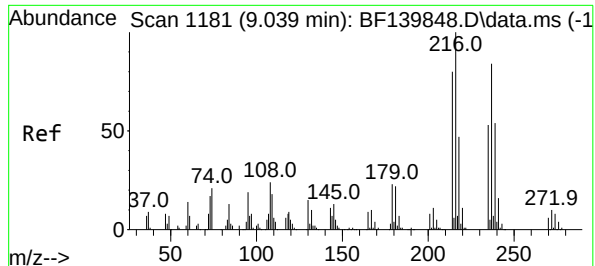
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 69.962 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

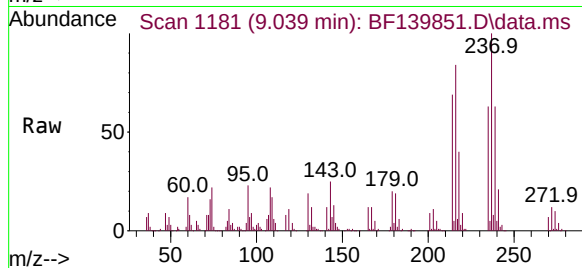
Tgt Ion:216 Resp: 712936
Ion Ratio Lower Upper
216 100
214 79.7 63.4 95.0
179 21.7 17.2 25.8
108 19.5 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 72.201 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

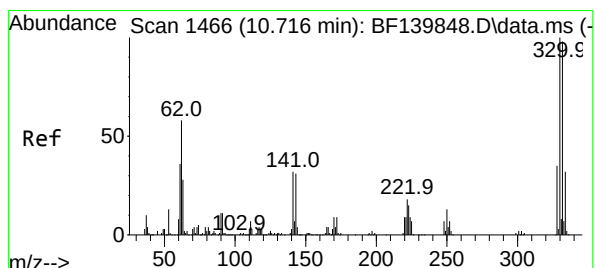
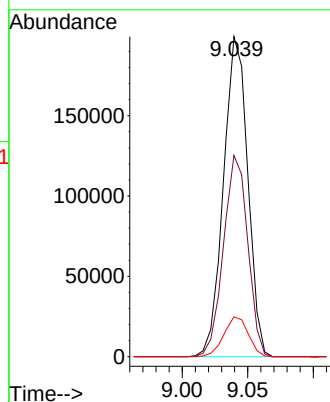
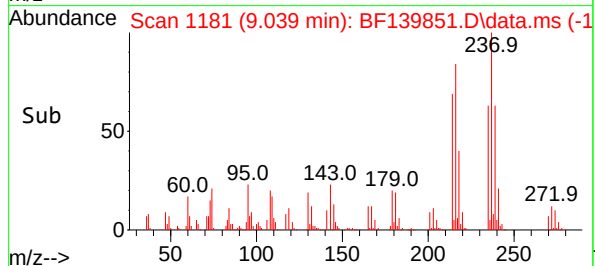
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



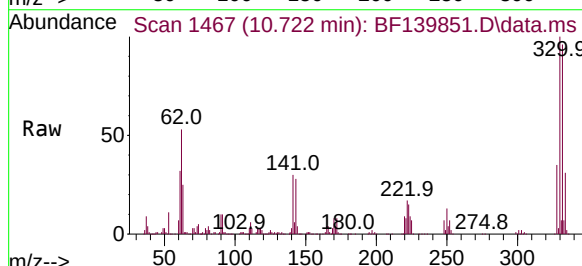
Tgt Ion:237 Resp: 25600
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.5 0.0 32.3

Manual Integrations
APPROVED

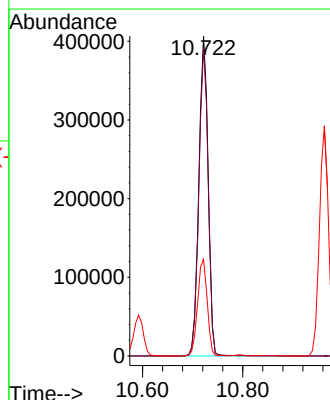
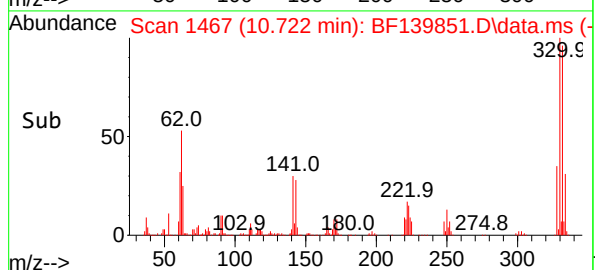
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

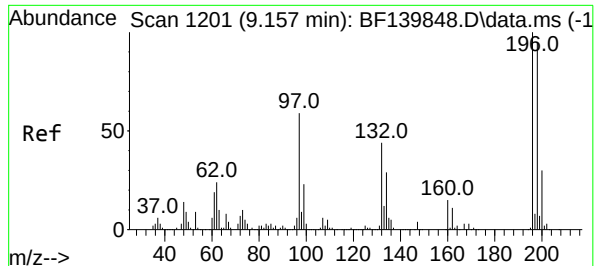


#42
2,4,6-Tribromophenol
Concen: 147.845 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



Tgt Ion:330 Resp: 522350
Ion Ratio Lower Upper
330 100
332 96.0 78.1 117.1
141 31.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 74.228 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139851.D

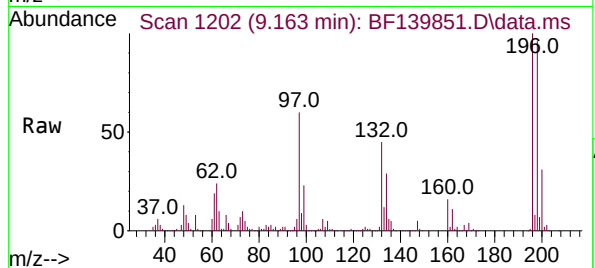
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 53553

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

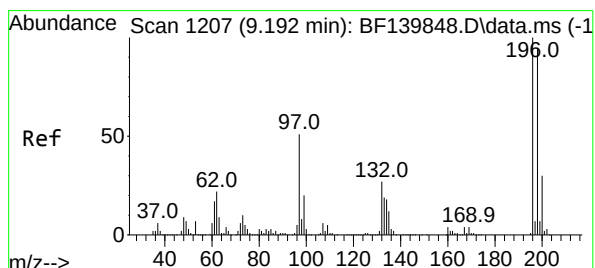
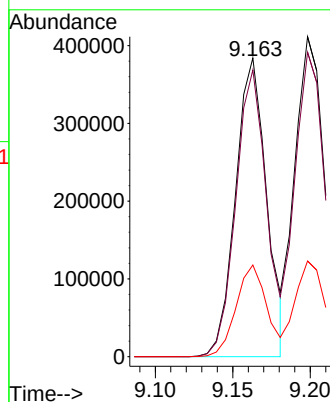
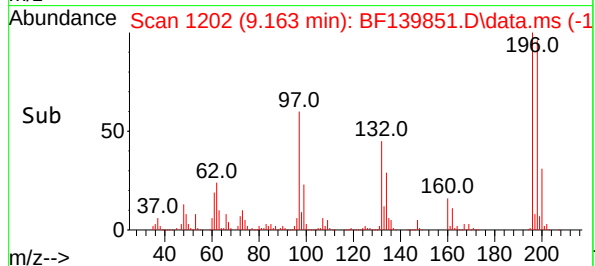
200 30.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

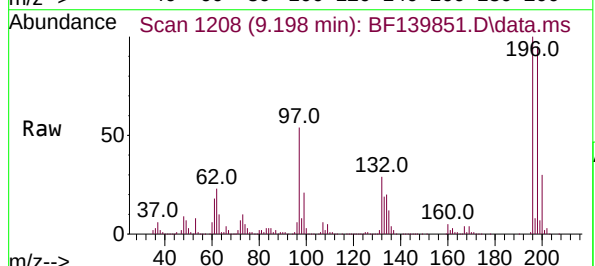
Concen: 72.904 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



Tgt Ion:196 Resp: 542663

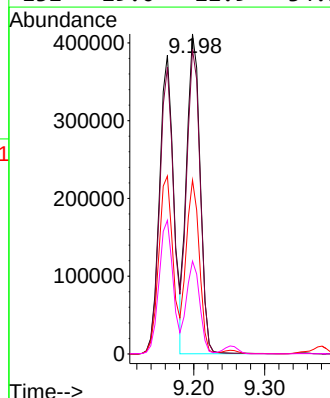
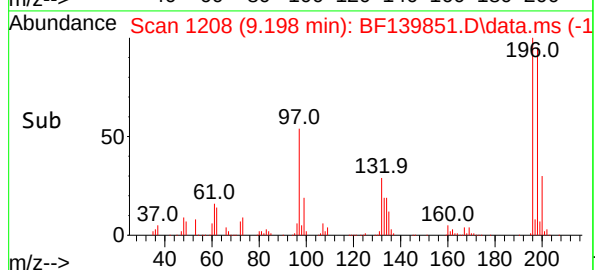
Ion Ratio Lower Upper

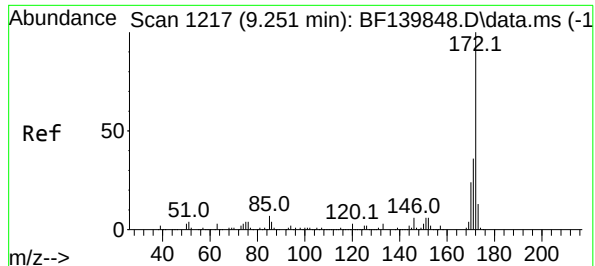
196 100

198 95.2 75.8 113.6

97 54.3 41.8 62.6

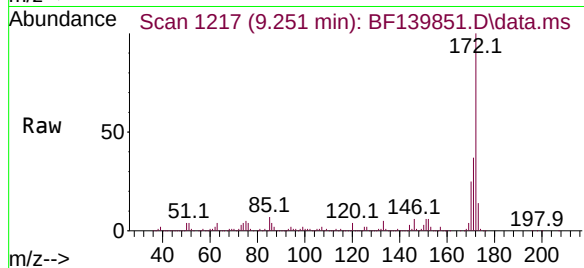
132 29.0 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 128.689 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

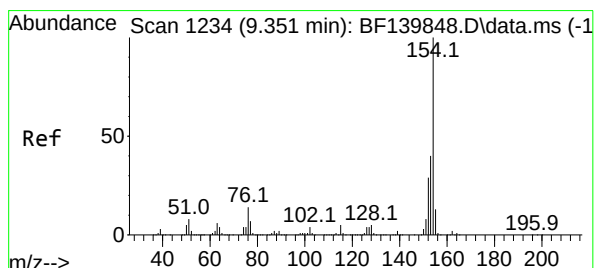
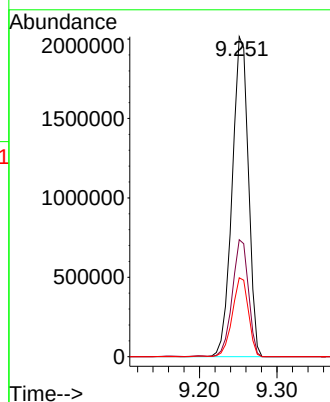
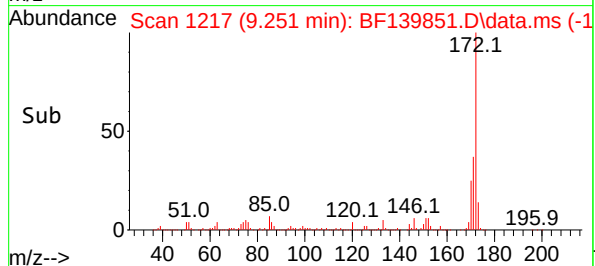
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:172 Resp: 2941180
Ion Ratio Lower Upper
172 100
171 36.6 28.6 43.0
170 24.7 19.1 28.7

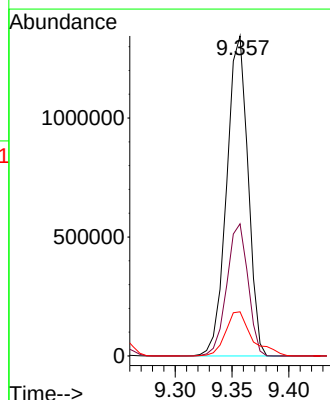
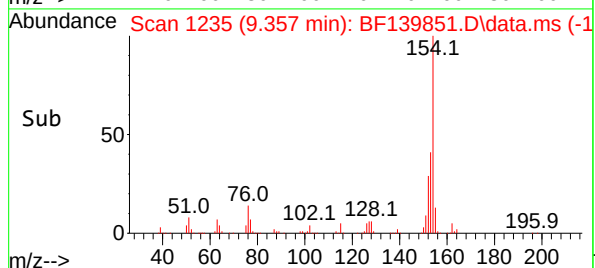
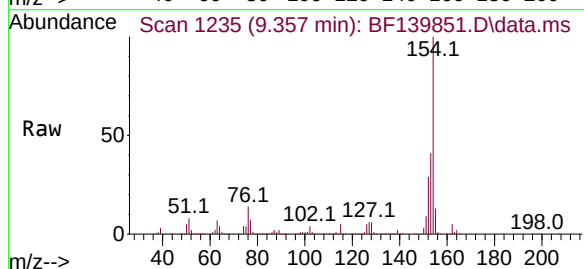
Manual Integrations
APPROVED

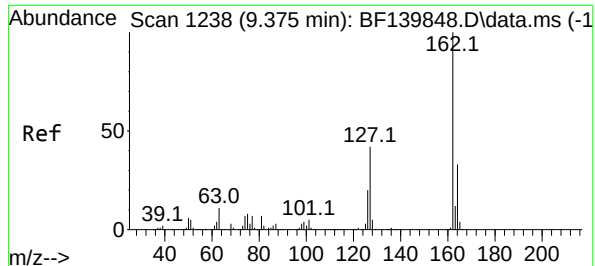
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#46
1,1'-Biphenyl
Concen: 66.703 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

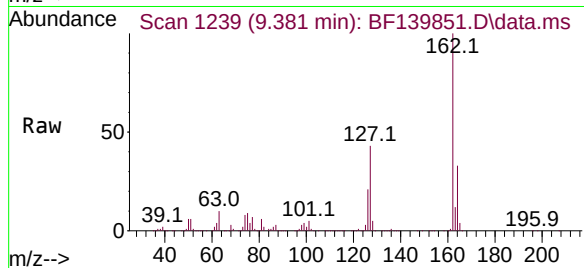
Tgt Ion:154 Resp: 1753952
Ion Ratio Lower Upper
154 100
153 41.3 20.3 60.3
76 13.8 0.0 33.9





#47
2-Chloronaphthalene
Concen: 69.411 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

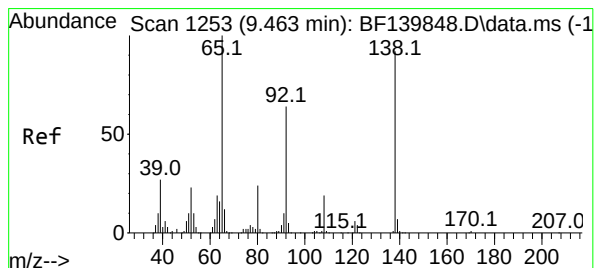
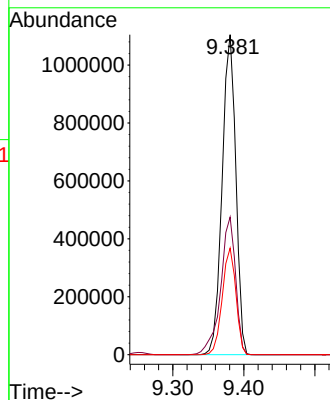
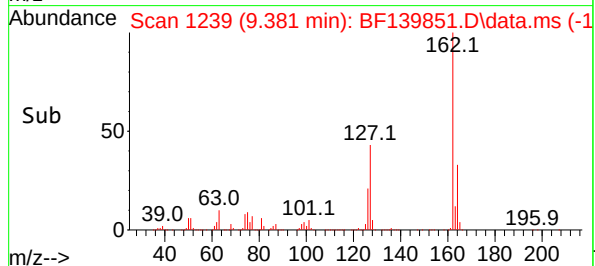
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:162 Resp: 147001
Ion Ratio Lower Upper
162 100
127 43.0 33.8 50.6
164 33.3 26.6 39.8

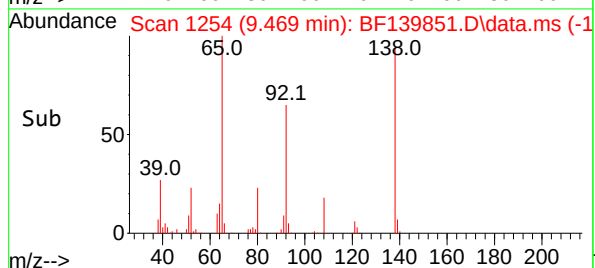
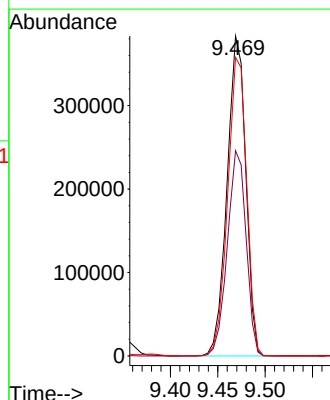
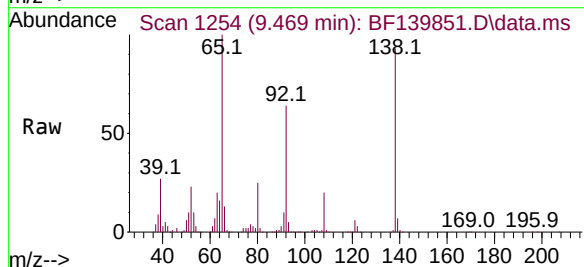
Manual Integrations
APPROVED

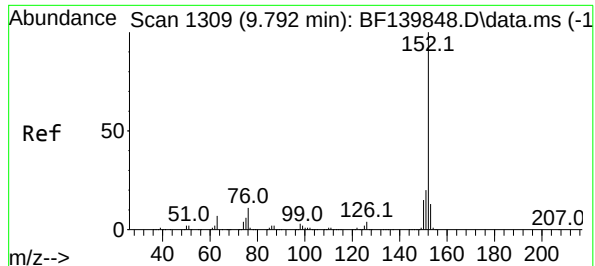
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#48
2-Nitroaniline
Concen: 81.447 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 65 Resp: 527552
Ion Ratio Lower Upper
65 100
92 64.1 50.9 76.3
138 93.3 73.4 110.0





#49

Acenaphthylene

Concen: 68.796 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139851.D

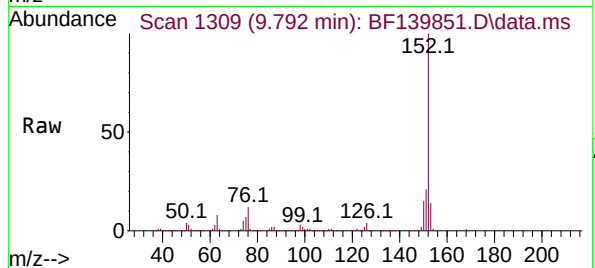
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 210635

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

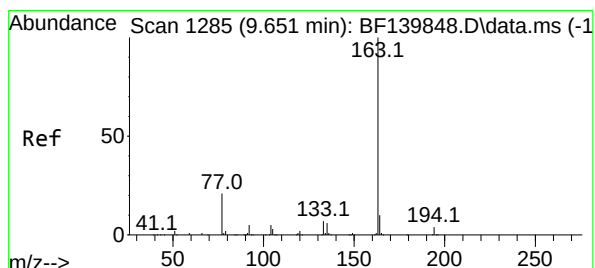
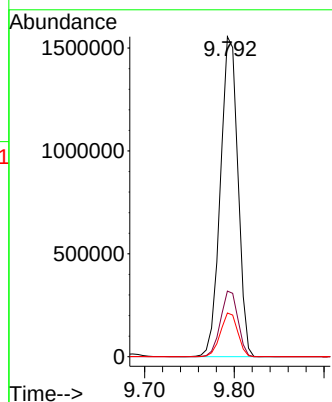
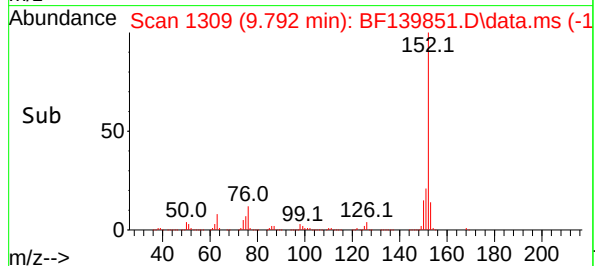
153 13.7 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

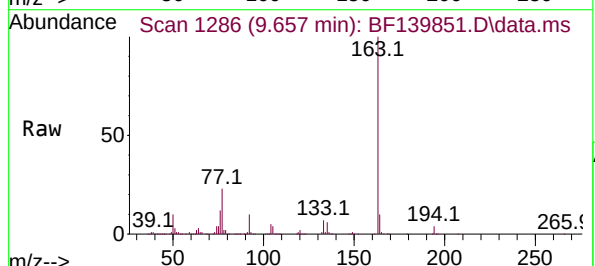
Concen: 71.277 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



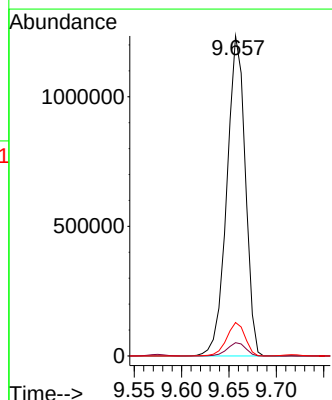
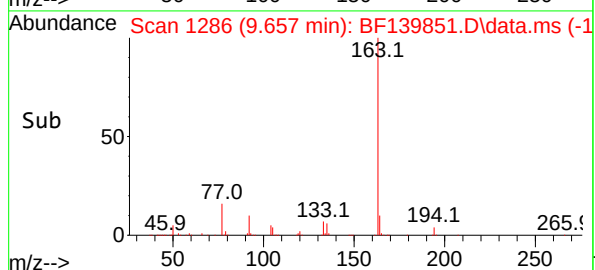
Tgt Ion:163 Resp: 1676969

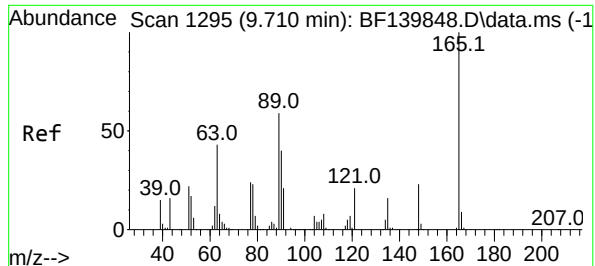
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

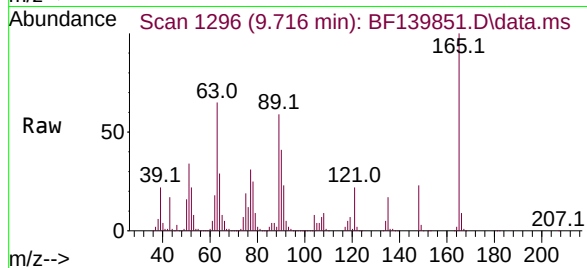
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 77.193 ng
RT: 9.716 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

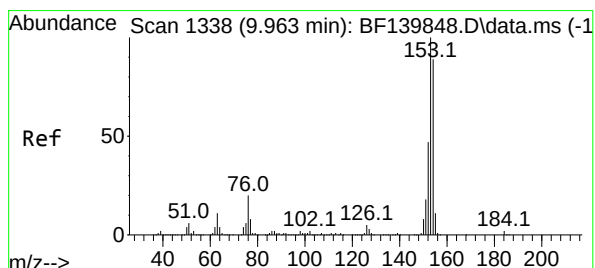
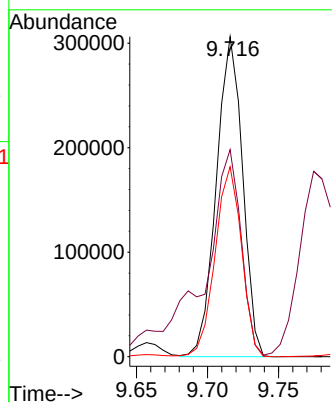
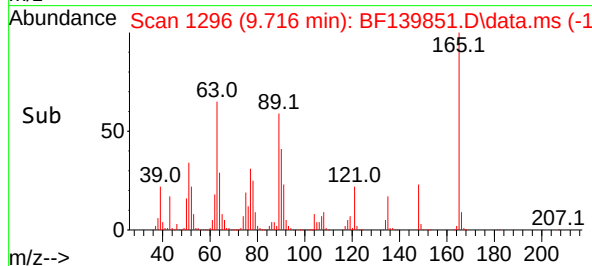
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 393234
Ion Ratio Lower Upper
165 100
63 64.7 50.6 75.8
89 59.4 47.5 71.3

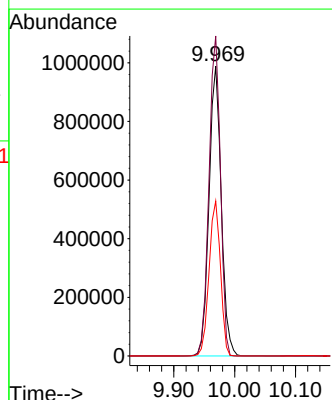
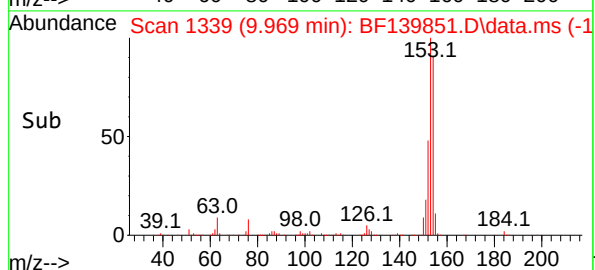
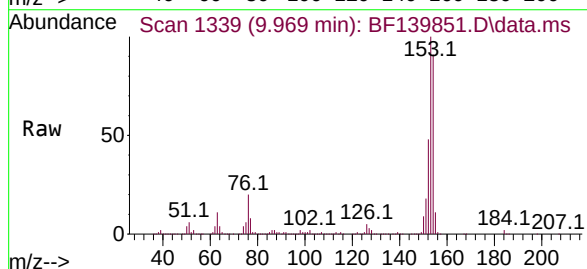
Manual Integrations
APPROVED

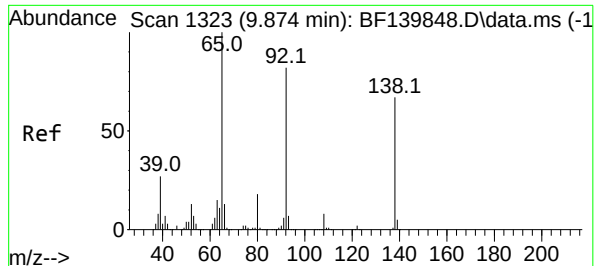
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 69.610 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

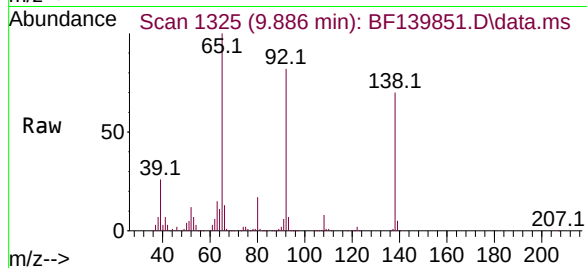
Tgt Ion:154 Resp: 1378724
Ion Ratio Lower Upper
154 100
153 110.4 89.8 134.6
152 53.4 42.4 63.6





#53
3-Nitroaniline
Concen: 73.697 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

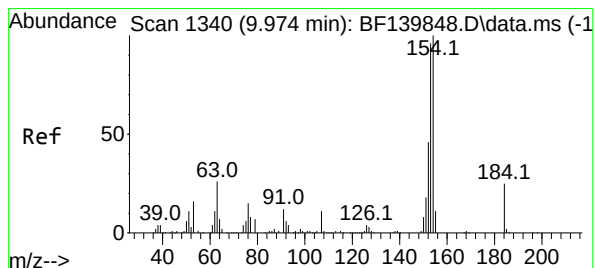
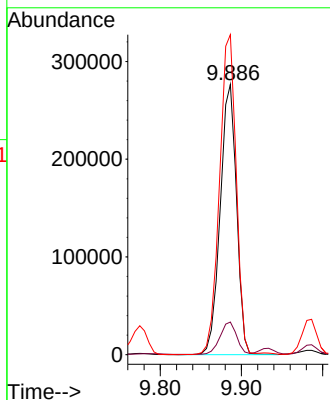
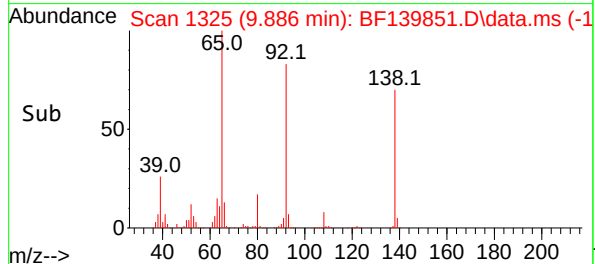
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:138 Resp: 38715
Ion Ratio Lower Upper
138 100
108 12.1 10.2 15.2
92 118.4 98.3 147.5

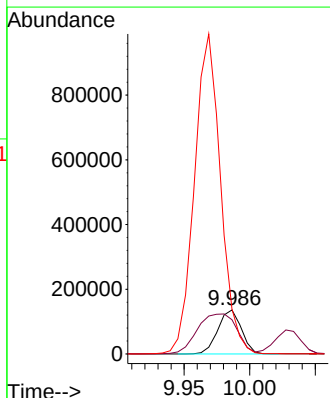
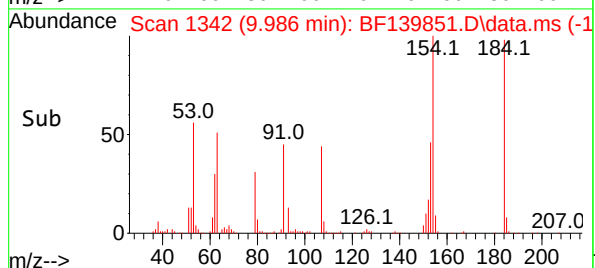
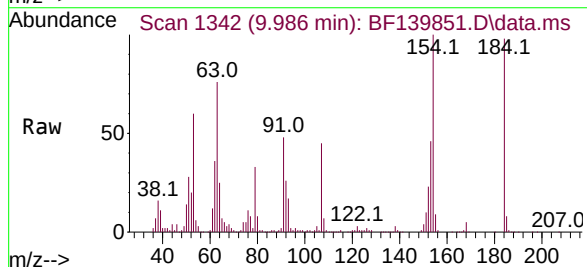
Manual Integrations
APPROVED

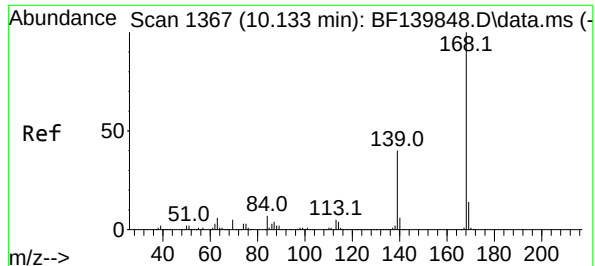
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 79.932 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:184 Resp: 169167
Ion Ratio Lower Upper
184 100
63 77.7 84.7 127.1#
154 102.0 338.2 507.2#





#55

Dibenzenofuran

Concen: 67.930 ng

RT: 10.139 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 193040

Ion Ratio Lower Upper

168 100

139 40.6 31.8 47.6

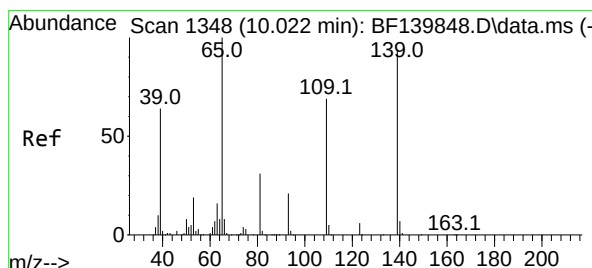
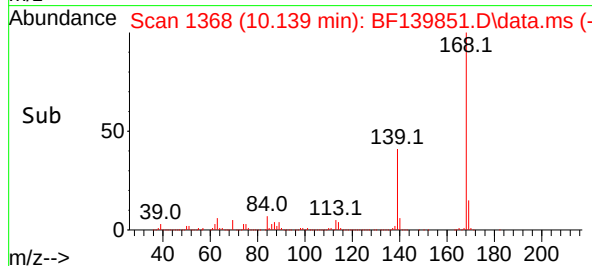
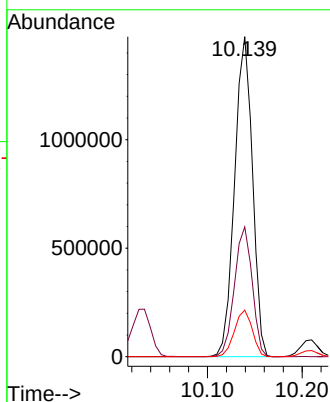
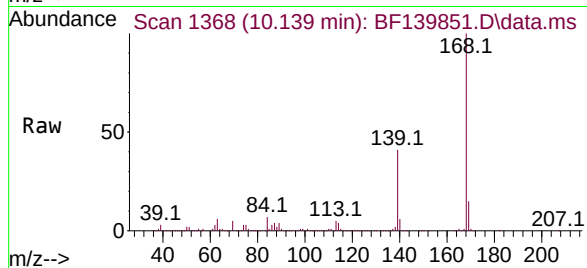
169 14.6 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#56

4-Nitrophenol

Concen: 77.732 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

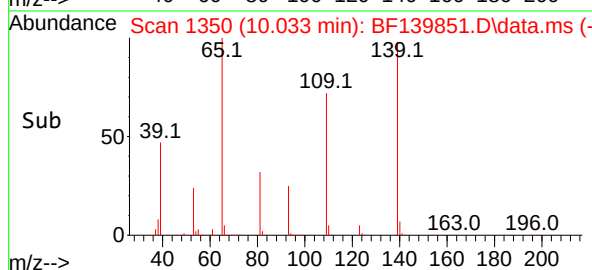
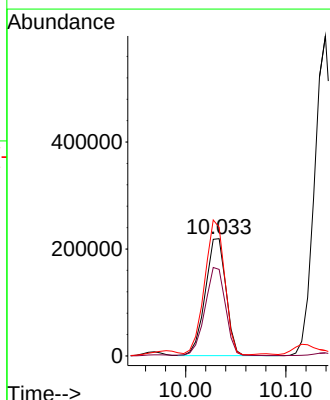
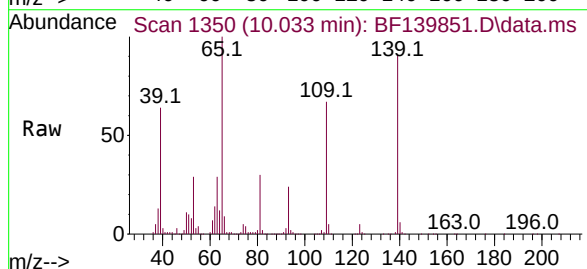
Tgt Ion:139 Resp: 314170

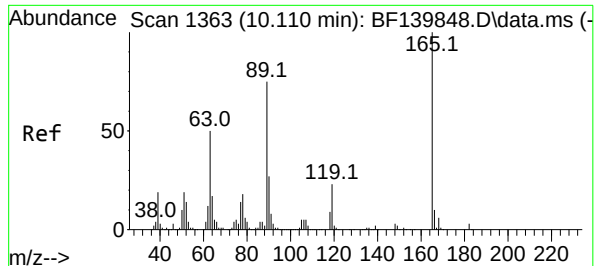
Ion Ratio Lower Upper

139 100

109 73.7 53.6 93.6

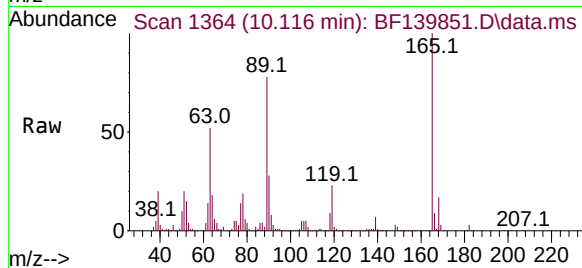
65 109.6 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 81.523 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

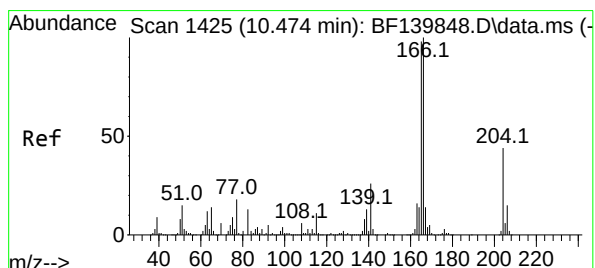
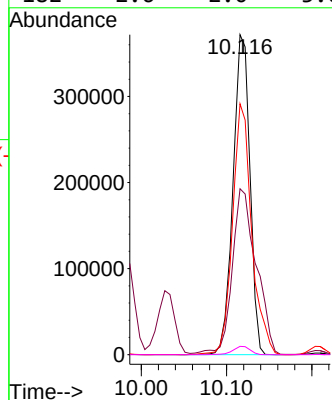
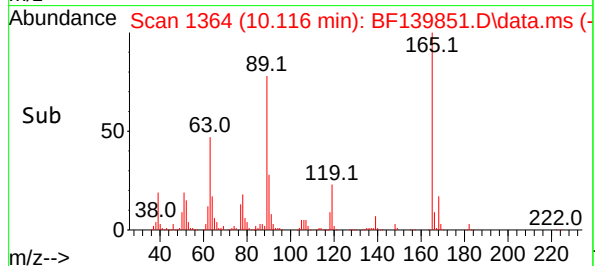
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 51070
Ion Ratio Lower Upper
165 100
63 51.9 40.1 60.1
89 78.4 60.4 90.6
182 2.6 2.0 3.0

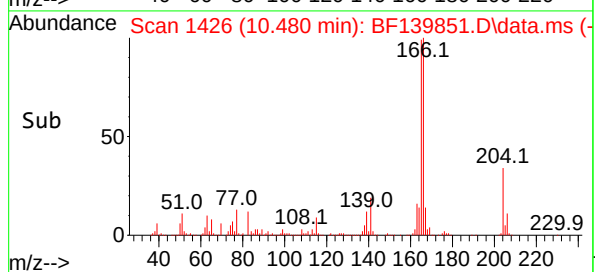
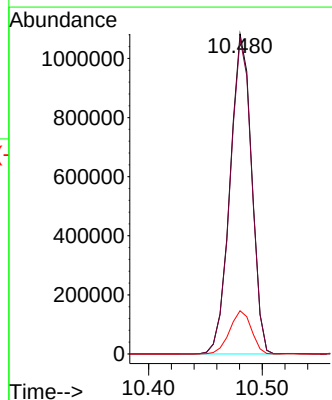
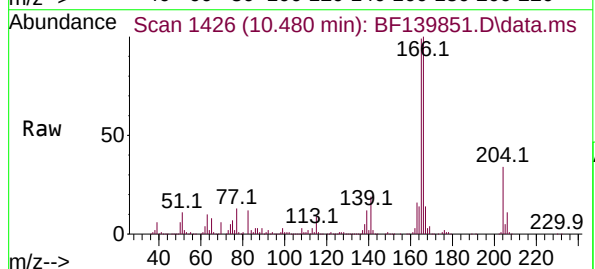
Manual Integrations
APPROVED

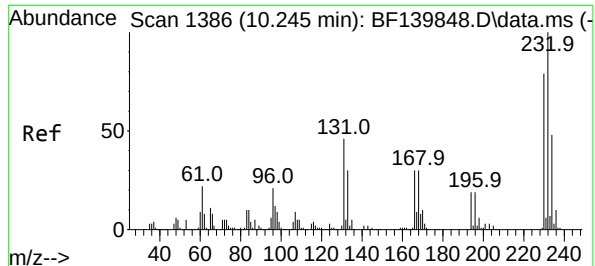
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#58
Fluorene
Concen: 65.920 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

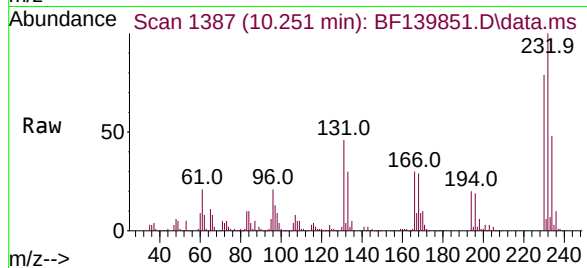
Tgt Ion:166 Resp: 1426794
Ion Ratio Lower Upper
166 100
165 98.6 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 72.764 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

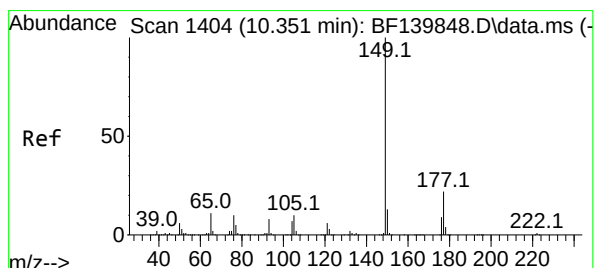
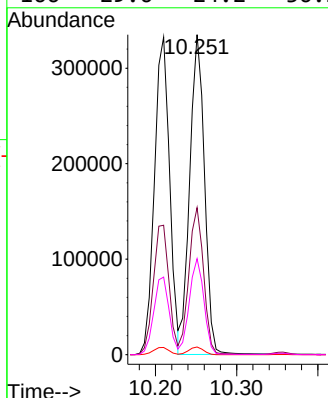
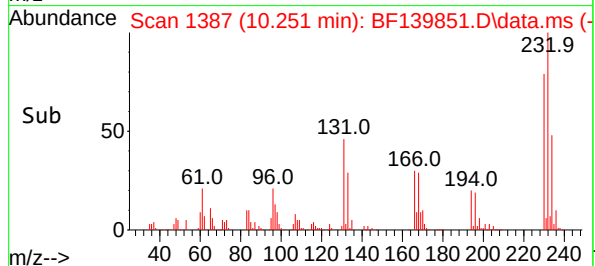
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



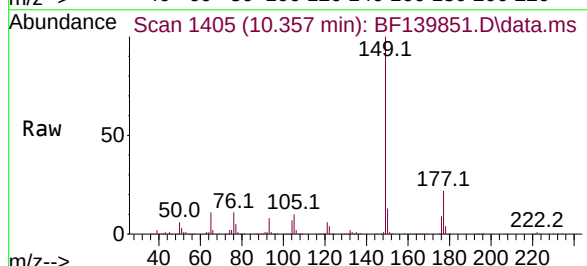
Tgt Ion:232 Resp: 424598
Ion Ratio Lower Upper
232 100
131 45.6 37.0 55.6
130 2.4 1.9 2.9
166 29.6 24.2 36.2

Manual Integrations
APPROVED

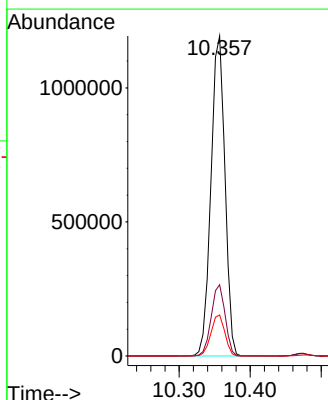
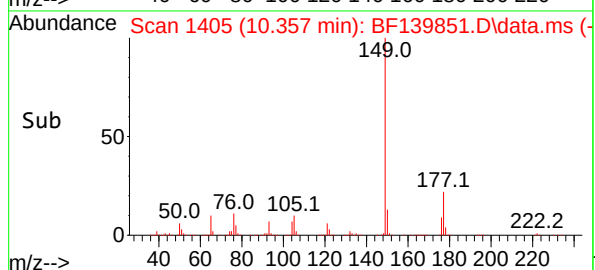
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

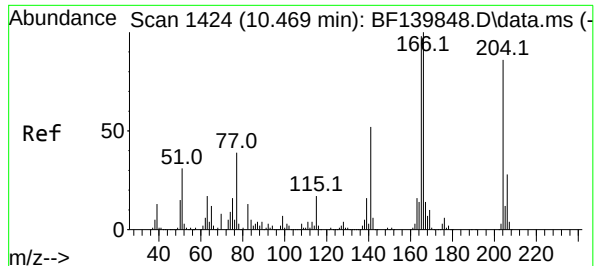


#60
Diethylphthalate
Concen: 70.641 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



Tgt Ion:149 Resp: 1631842
Ion Ratio Lower Upper
149 100
177 22.2 17.9 26.9
150 12.8 10.1 15.1





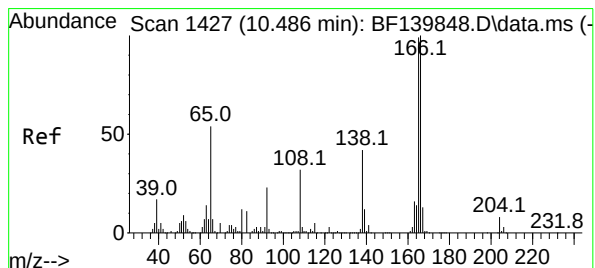
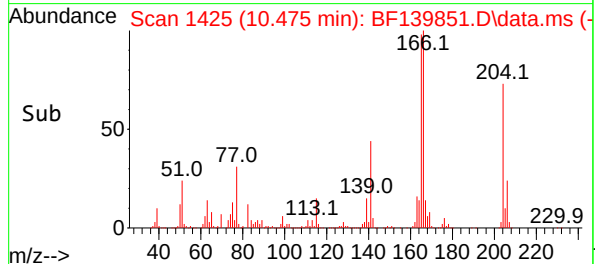
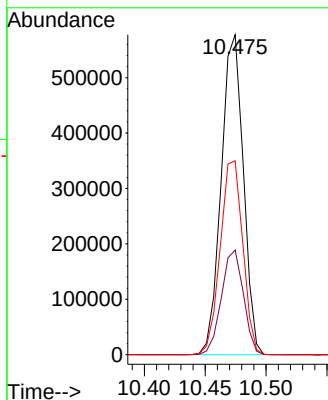
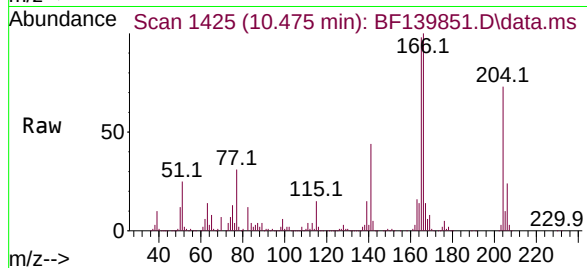
#61
4-Chlorophenyl-phenylether
Concen: 66.837 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 73056
Ion Ratio Lower Upper
204 100
206 32.7 26.3 39.5
141 60.6 48.6 73.0

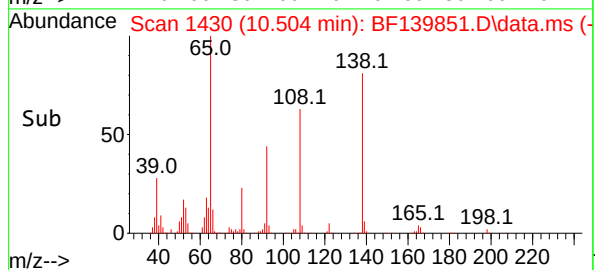
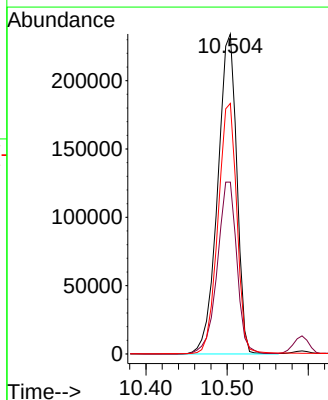
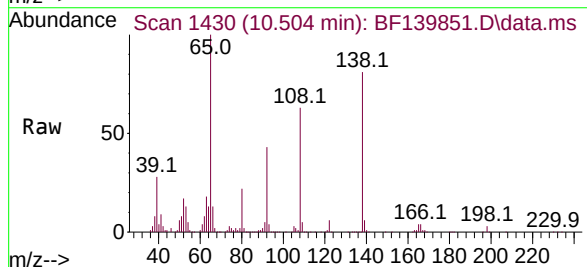
Manual Integrations
APPROVED

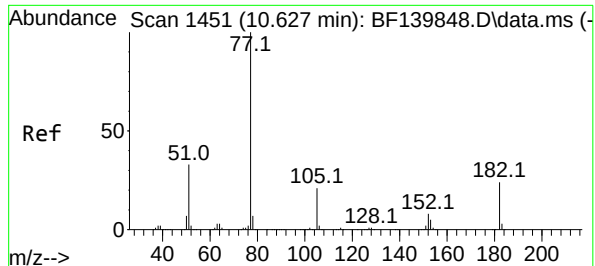
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#62
4-Nitroaniline
Concen: 77.270 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.018 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

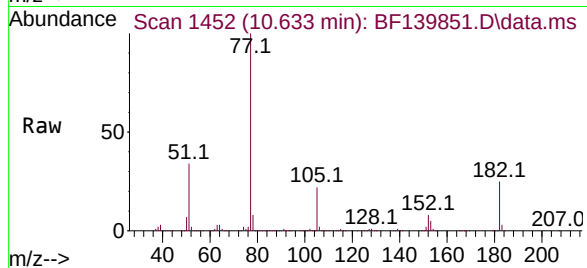
Tgt Ion:138 Resp: 383383
Ion Ratio Lower Upper
138 100
92 53.7 35.7 75.7
108 78.3 57.5 97.5





#63
Azobenzene
Concen: 70.539 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

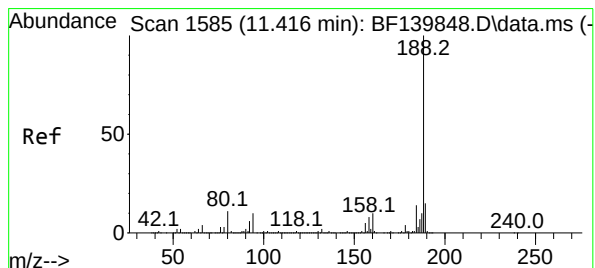
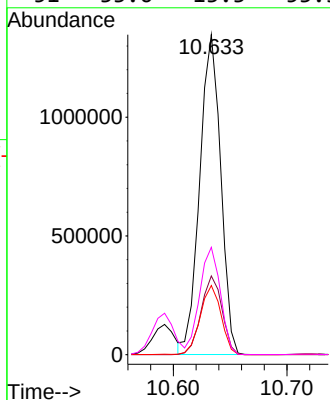
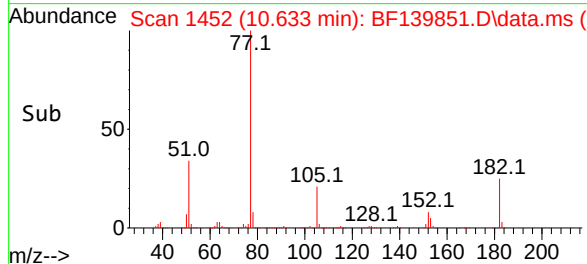
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 172753
Ion Ratio Lower Upper
77 100
182 24.6 3.3 43.3
105 21.6 1.2 41.2
51 33.6 13.3 53.3

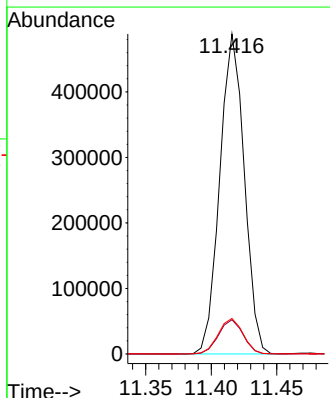
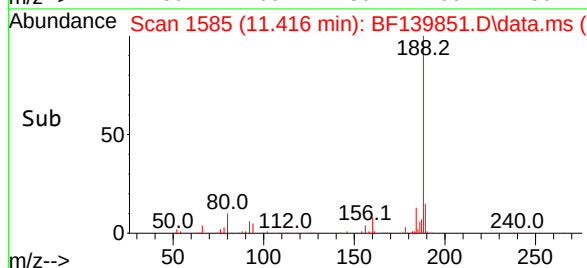
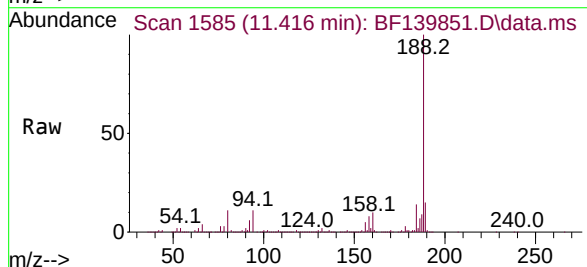
Manual Integrations
APPROVED

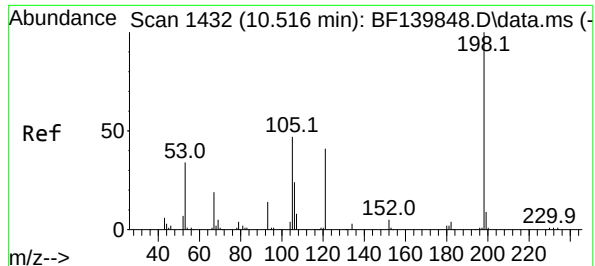
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:188 Resp: 633721
Ion Ratio Lower Upper
188 100
94 10.7 7.9 11.9
80 11.1 9.0 13.4





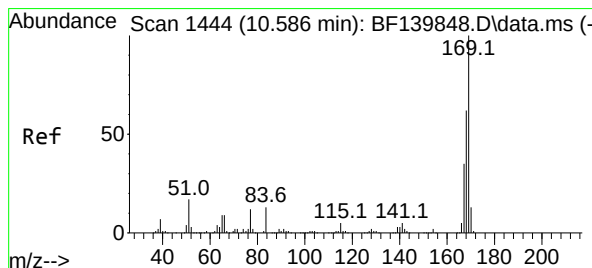
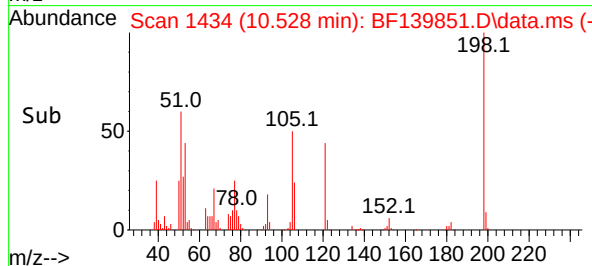
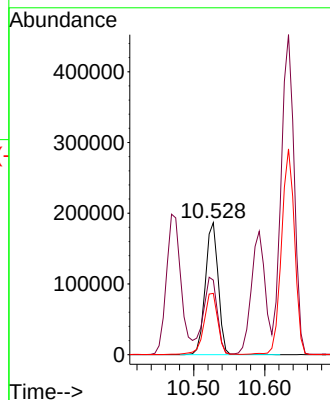
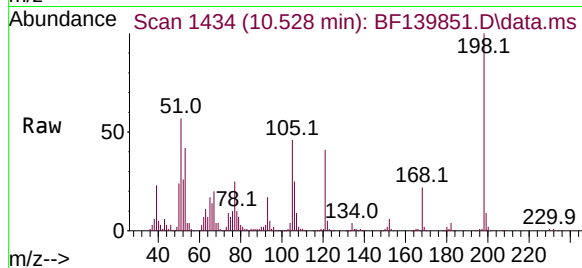
#65
4,6-Dinitro-2-methylphenol
Concen: 91.037 ng
RT: 10.528 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 23532
Ion Ratio Lower Upper
198 100
51 56.5 38.2 78.2
105 46.4 27.9 67.9

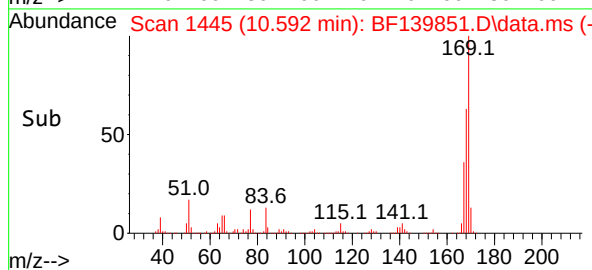
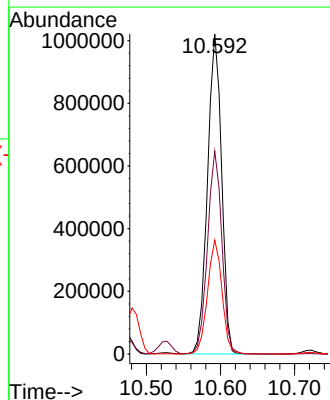
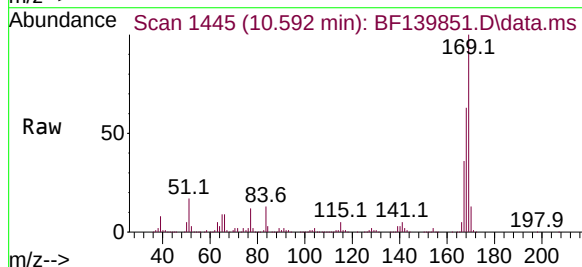
Manual Integrations
APPROVED

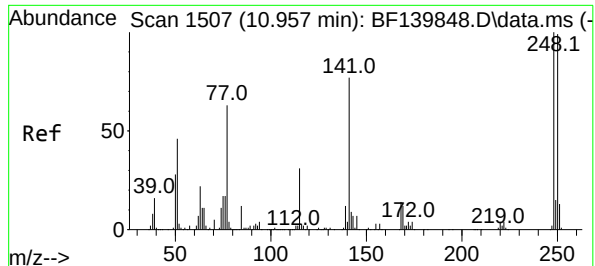
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 71.220 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

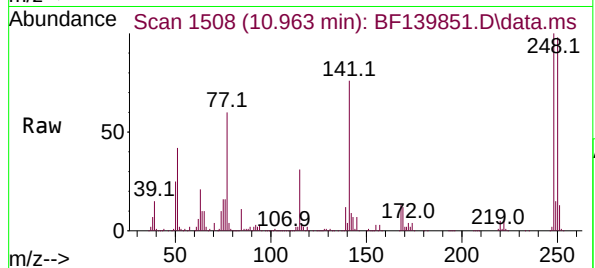
Tgt Ion:169 Resp: 1350839
Ion Ratio Lower Upper
169 100
168 63.4 49.8 74.6
167 35.5 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 73.216 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

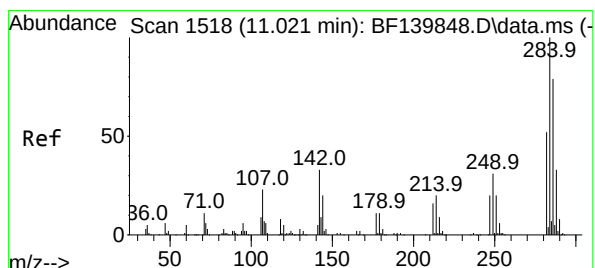
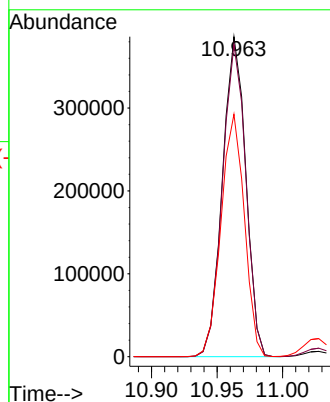
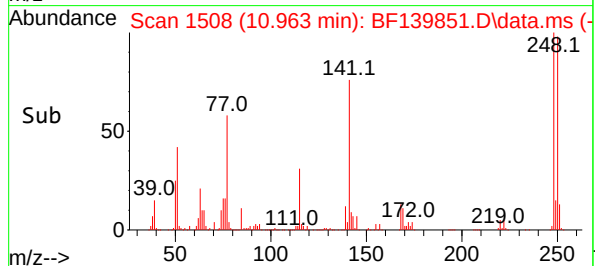
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



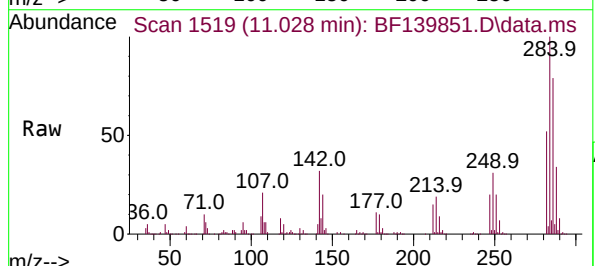
Tgt Ion:248 Resp: 477998
Ion Ratio Lower Upper
248 100
250 97.5 79.0 118.6
141 75.7 61.7 92.5

Manual Integrations
APPROVED

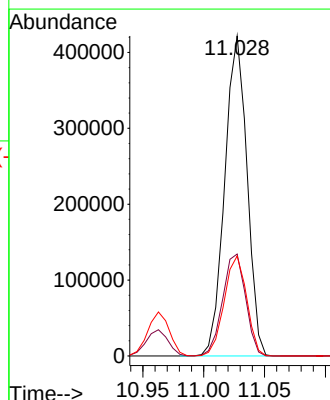
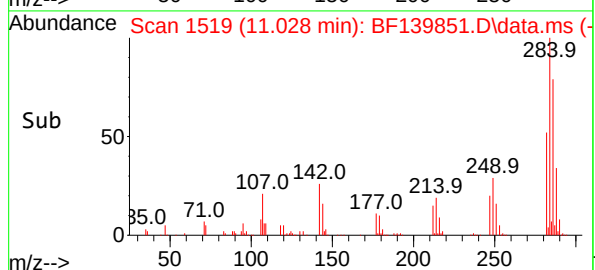
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

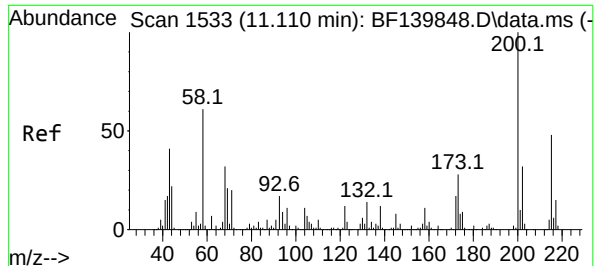


#68
Hexachlorobenzene
Concen: 73.070 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



Tgt Ion:284 Resp: 536511
Ion Ratio Lower Upper
284 100
142 31.9 26.9 40.3
249 31.3 25.3 37.9





#69

Atrazine

Concen: 74.406 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 382294

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

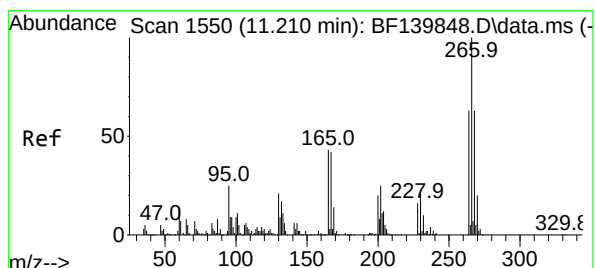
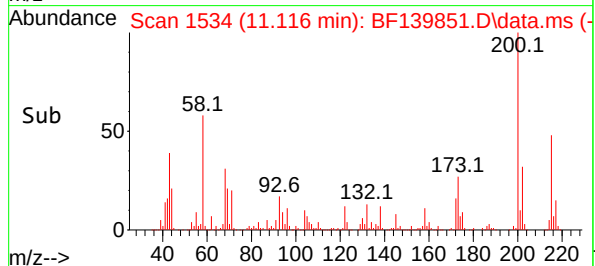
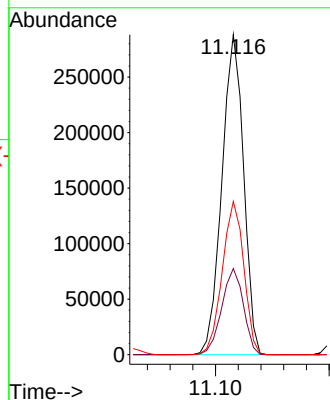
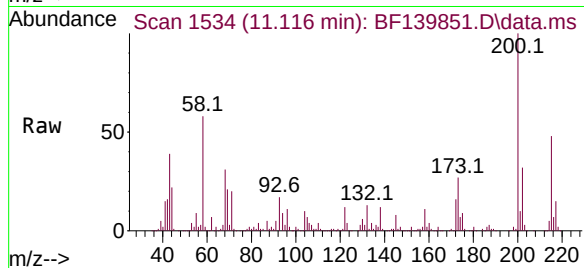
215 47.9 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 79.464 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

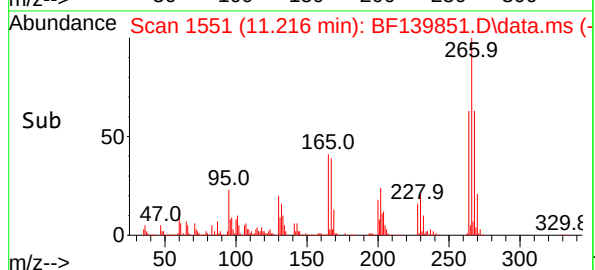
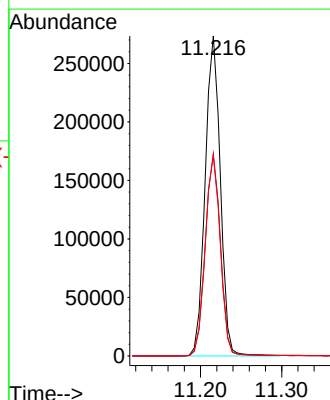
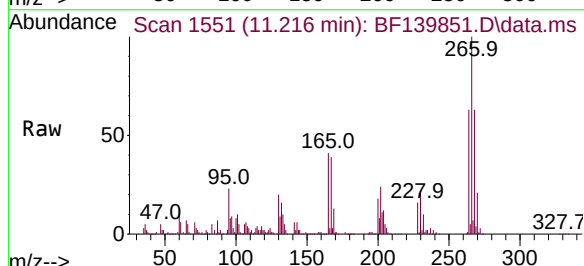
Tgt Ion:266 Resp: 354105

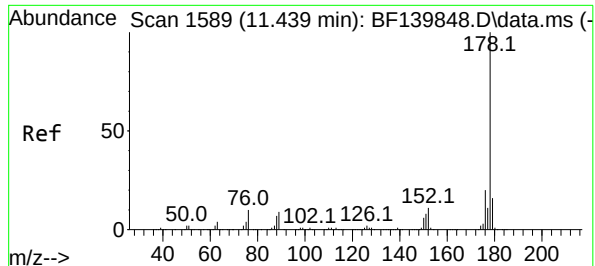
Ion Ratio Lower Upper

266 100

268 63.1 50.4 75.6

264 62.5 50.6 75.8





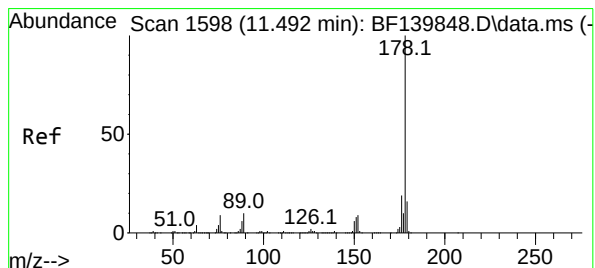
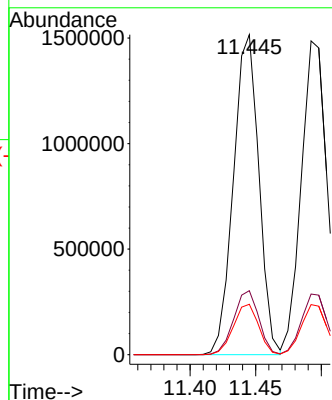
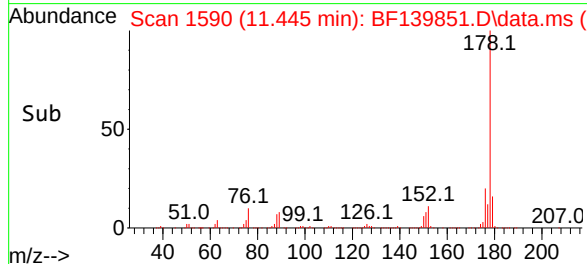
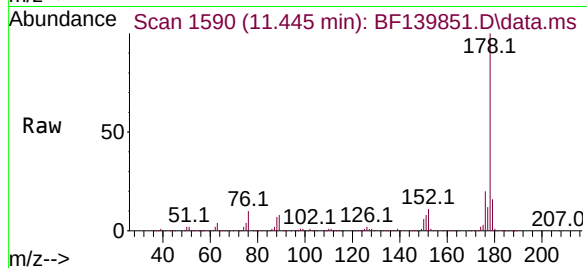
#71
Phenanthrene
Concen: 68.336 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 204557
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 15.7 12.6 18.8

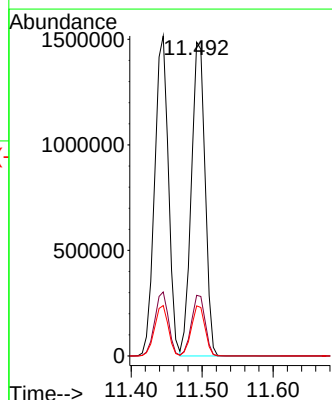
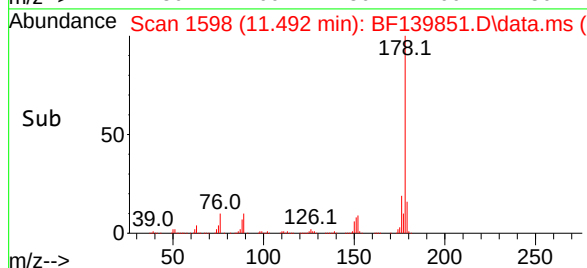
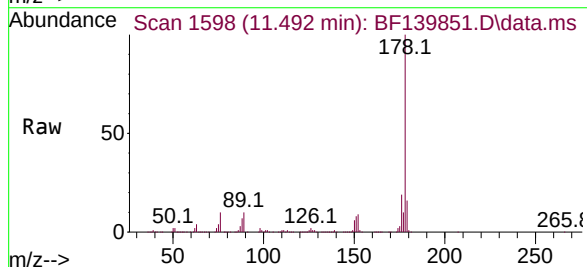
Manual Integrations
APPROVED

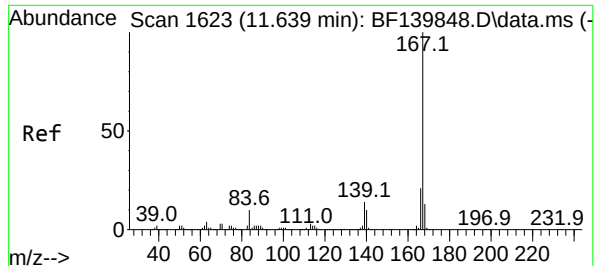
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#72
Anthracene
Concen: 68.333 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

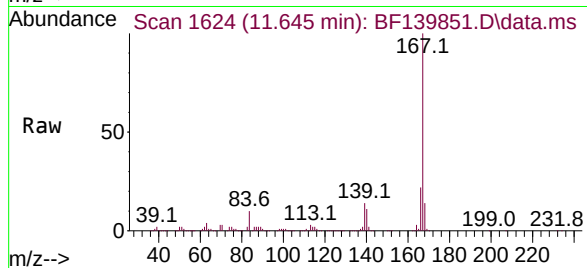
Tgt Ion:178 Resp: 1995750
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.0 12.4 18.6





#73
Carbazole
Concen: 66.943 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

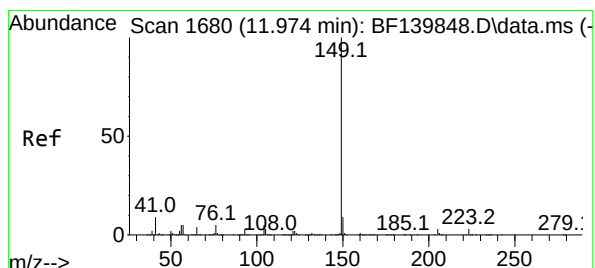
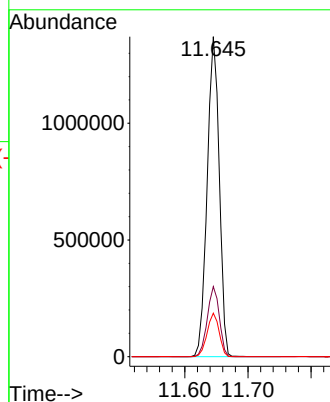
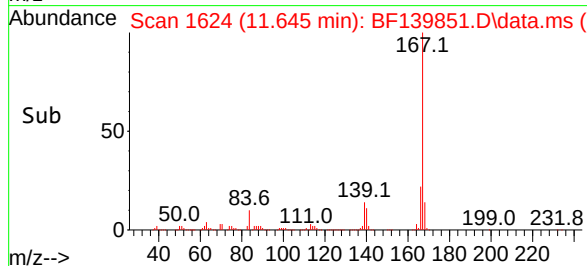
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



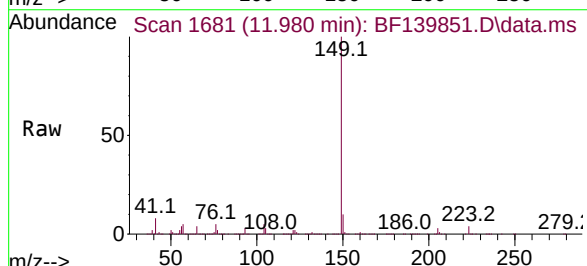
Tgt Ion:167 Resp: 1818340
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.6 10.8 16.2

Manual Integrations
APPROVED

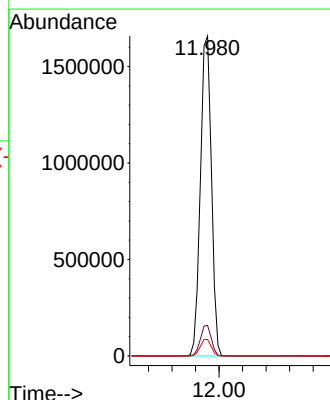
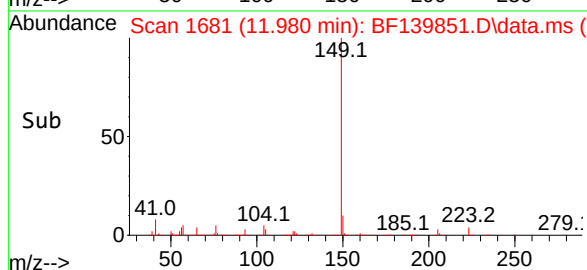
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

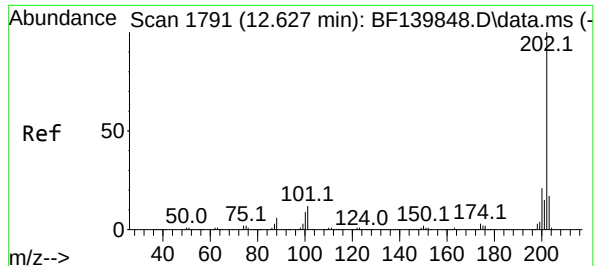


#74
Di-n-butylphthalate
Concen: 68.623 ng
RT: 11.980 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



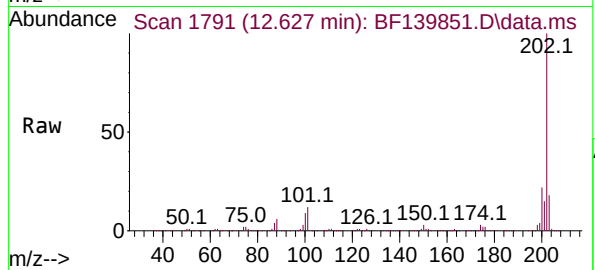
Tgt Ion:149 Resp: 2153517
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 64.632 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

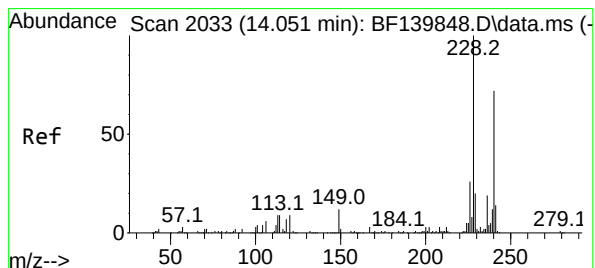
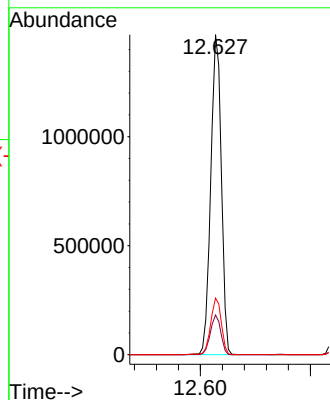
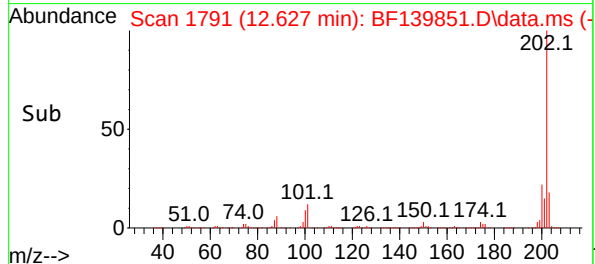
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 195584
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.9
203 17.7 0.0 37.5

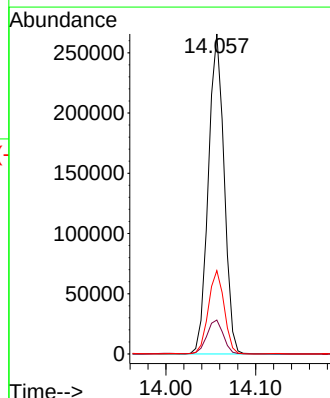
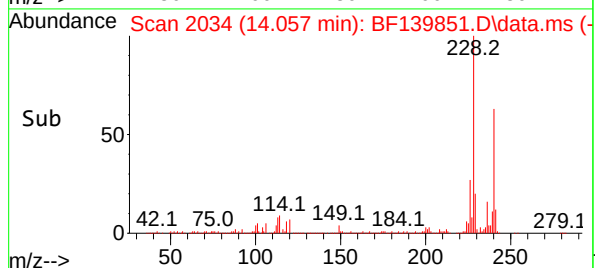
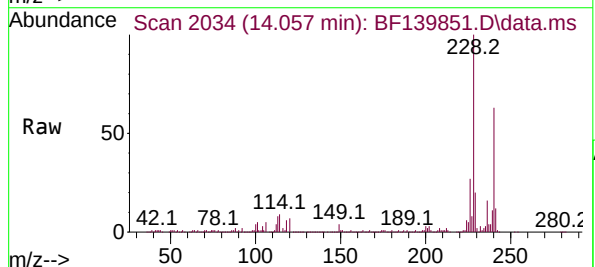
Manual Integrations
APPROVED

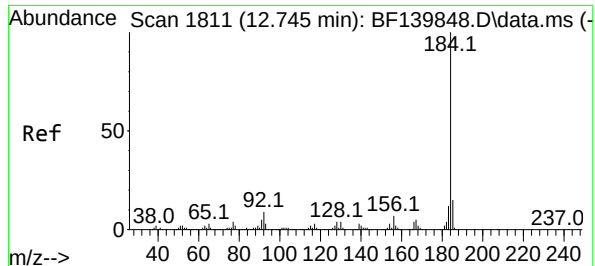
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

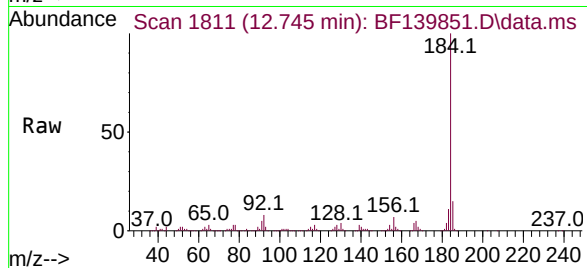
Tgt Ion:240 Resp: 323513
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.1 20.9 31.3





#77
Benzidine
Concen: 60.567 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

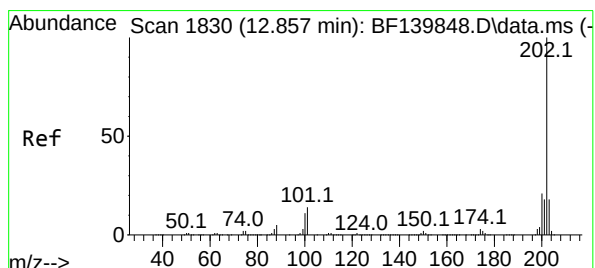
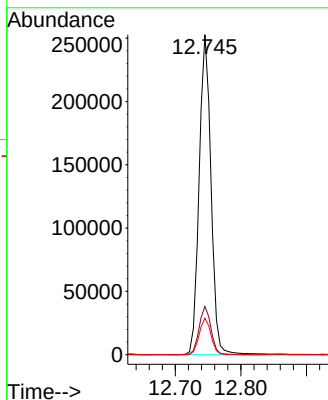
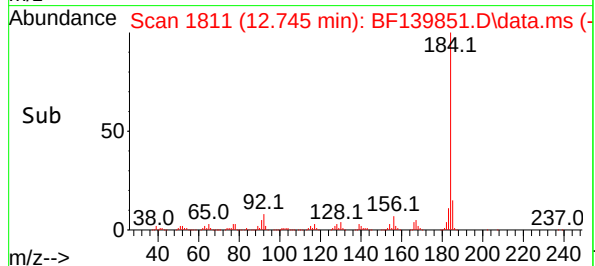
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 318678
Ion Ratio Lower Upper
184 100
185 15.1 12.0 18.0
183 11.4 9.4 14.2

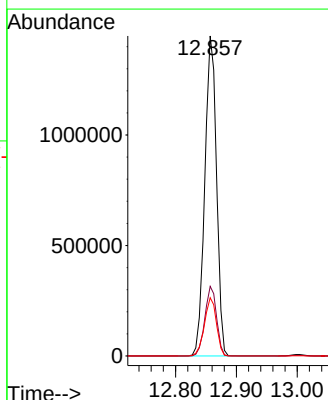
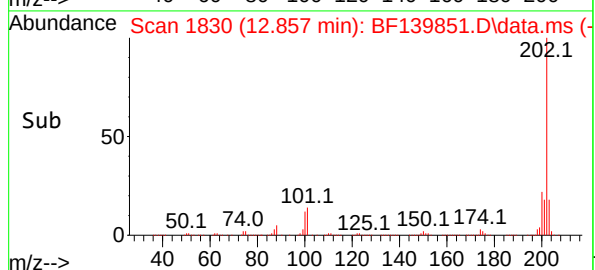
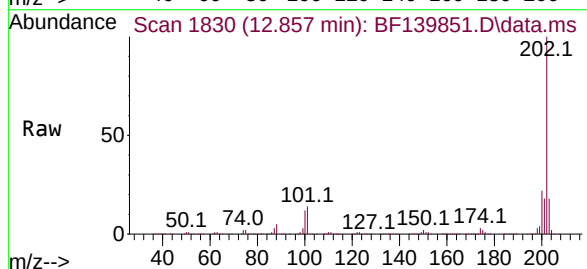
Manual Integrations
APPROVED

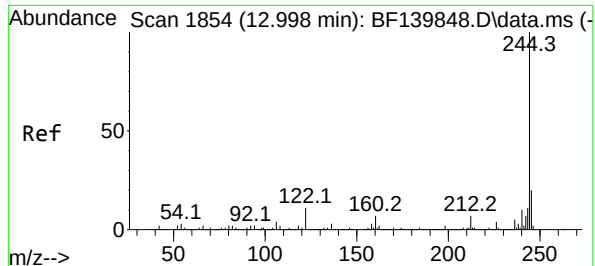
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78
Pyrene
Concen: 68.360 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:202 Resp: 1935829
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 132.704 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:244 Resp: 2634670

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

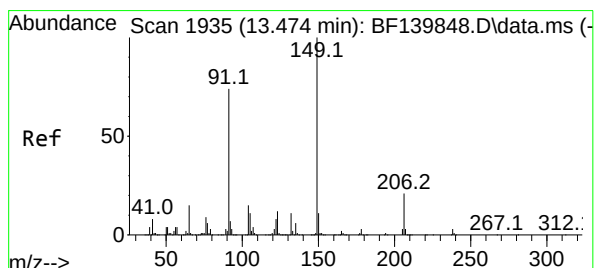
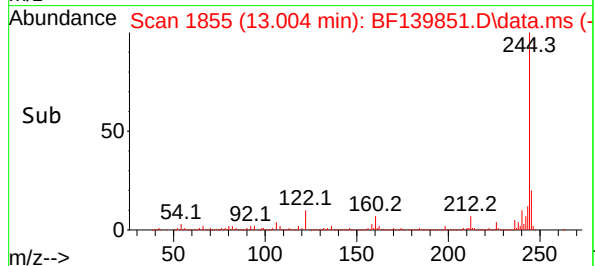
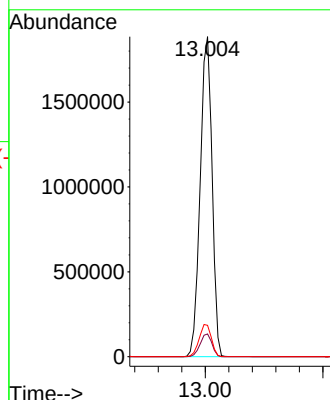
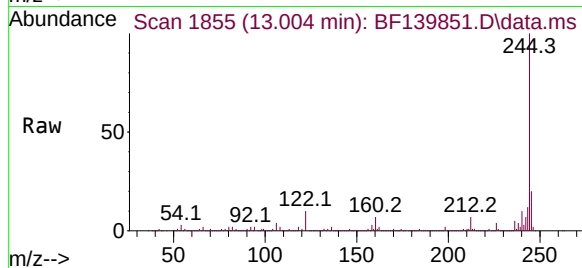
122 9.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 78.274 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

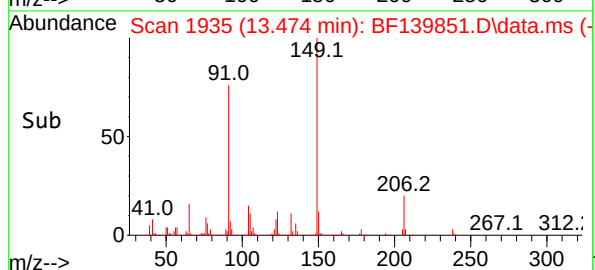
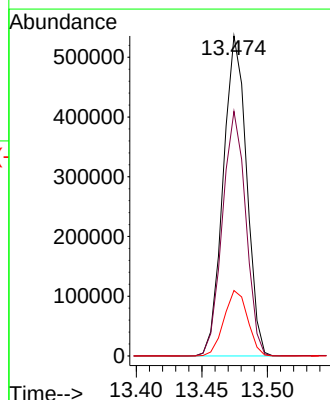
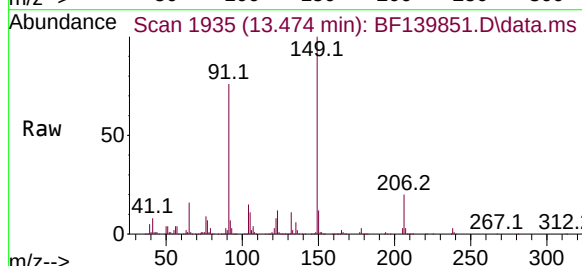
Tgt Ion:149 Resp: 664532

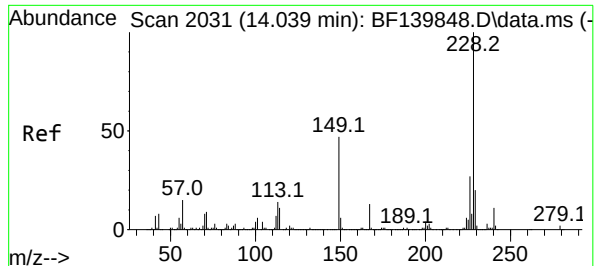
Ion Ratio Lower Upper

149 100

91 76.5 59.4 89.2

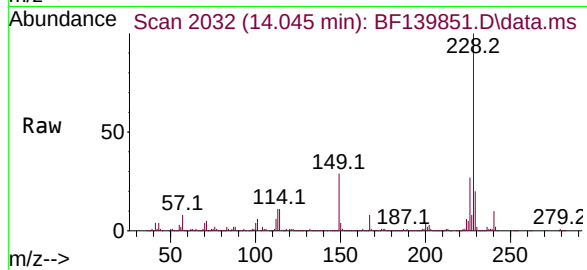
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 71.840 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

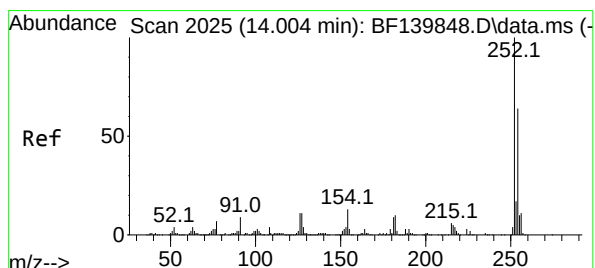
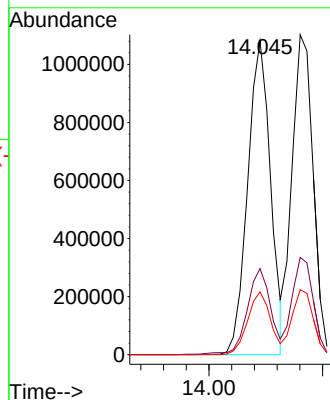
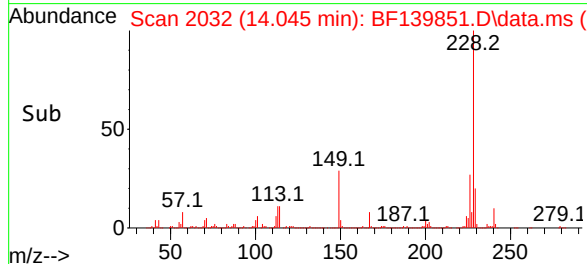
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



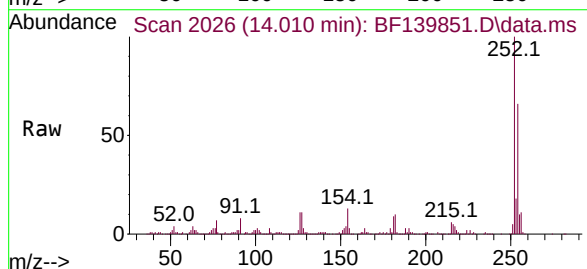
Tgt Ion:228 Resp: 1512920
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 20.0 16.1 24.1

Manual Integrations
APPROVED

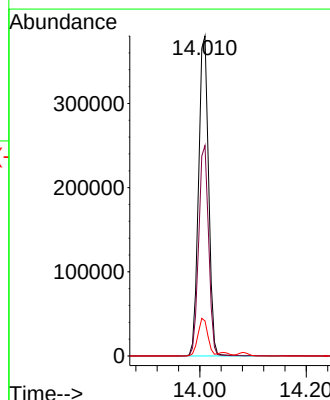
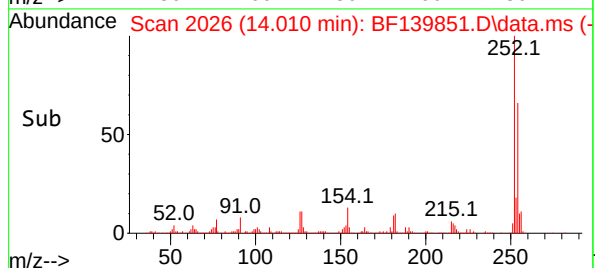
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

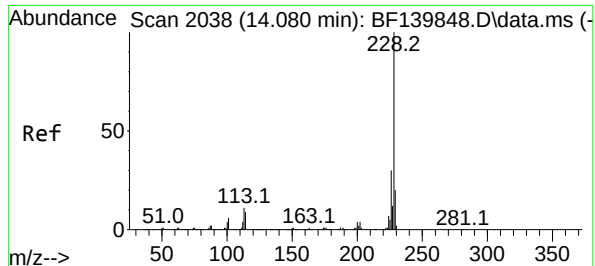


#82
3,3'-Dichlorobenzidine
Concen: 80.937 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



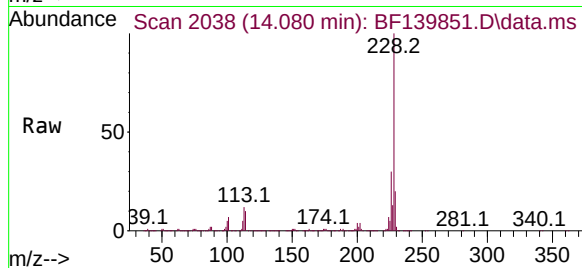
Tgt Ion:252 Resp: 496976
Ion Ratio Lower Upper
252 100
254 65.7 50.8 76.2
126 11.0 8.9 13.3





#83
Chrysene
Concen: 73.774 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

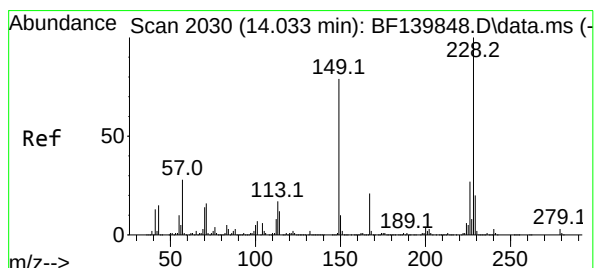
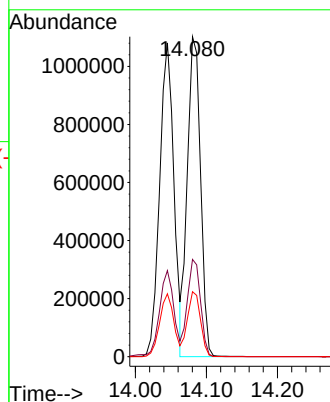
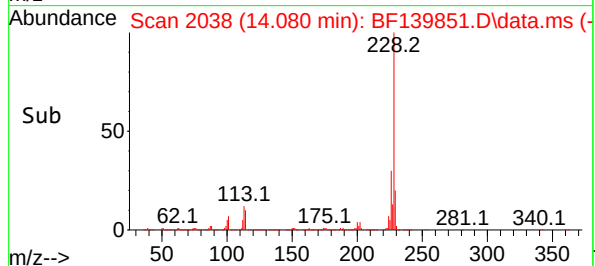
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 142452
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 20.3 15.8 23.6

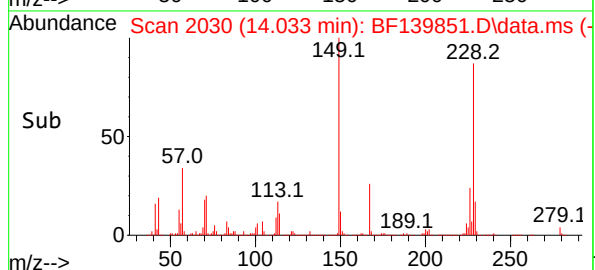
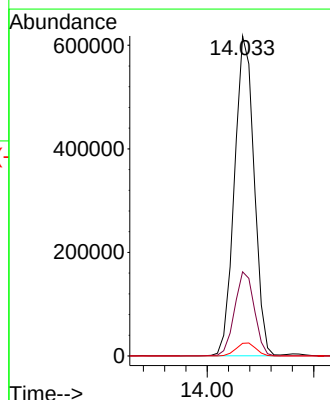
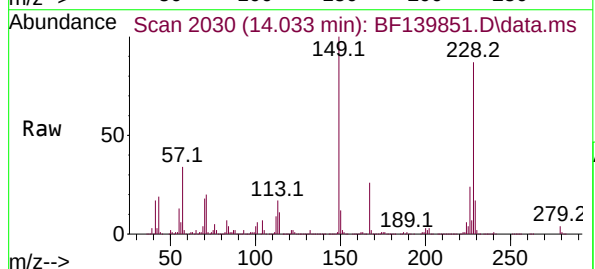
Manual Integrations
APPROVED

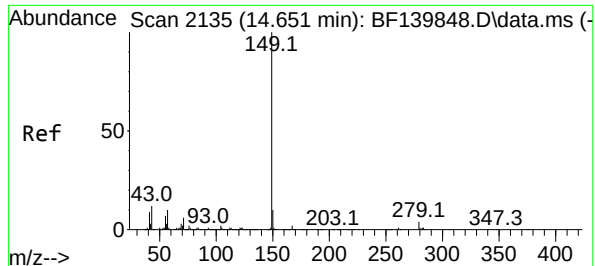
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 83.399 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

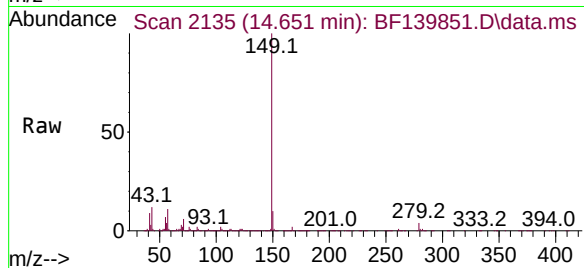
Tgt Ion:149 Resp: 794387
Ion Ratio Lower Upper
149 100
167 26.3 21.4 32.0
279 4.0 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 88.561 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

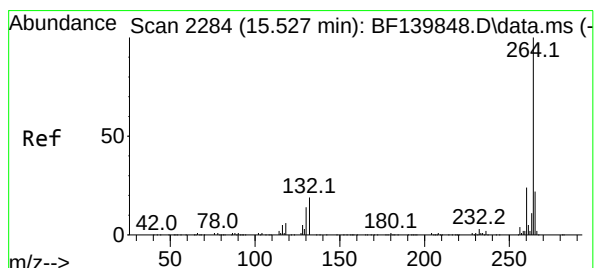
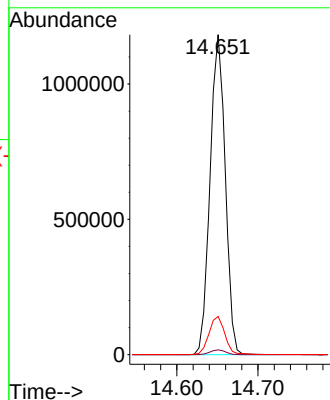
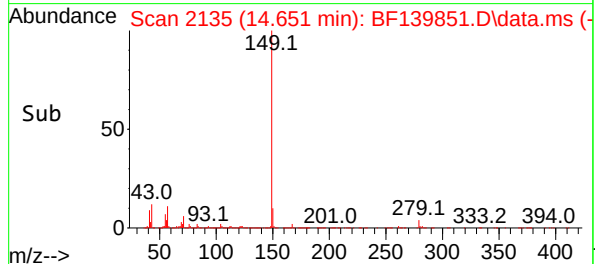
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 153433
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.4 9.8 14.6

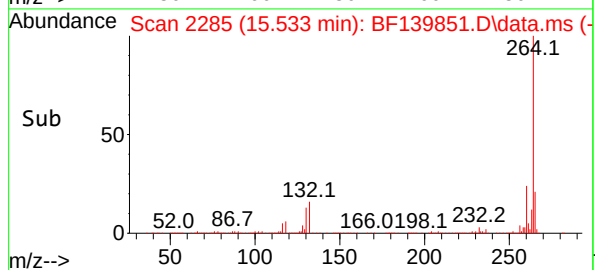
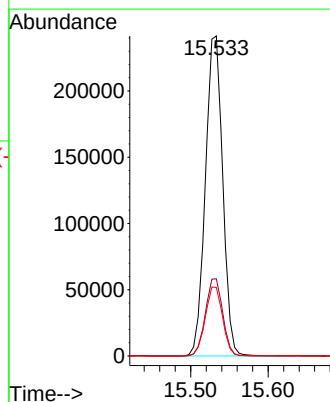
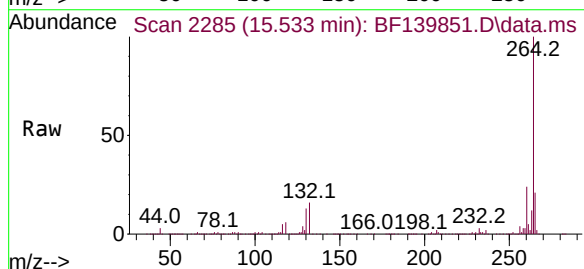
Manual Integrations
APPROVED

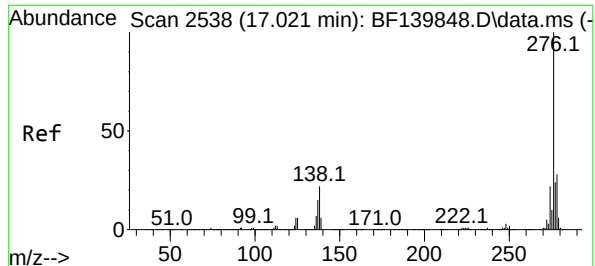
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:264 Resp: 374491
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 77.935 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:276 Resp: 1877610

Ion Ratio Lower Upper

276 100

138 25.1 20.4 30.6

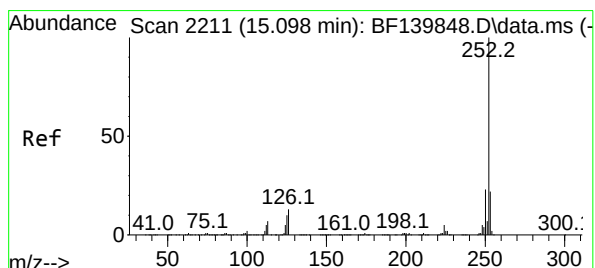
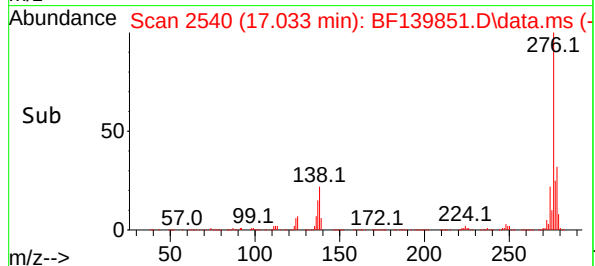
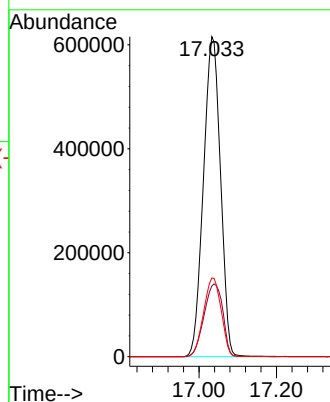
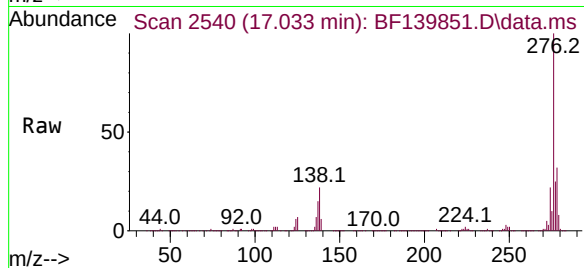
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 72.980 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

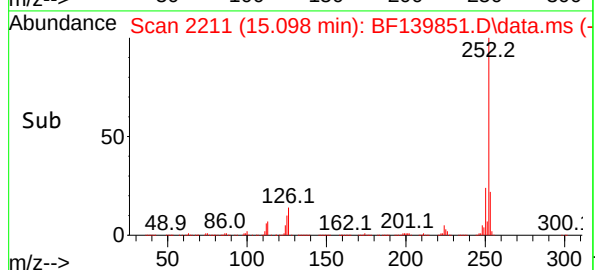
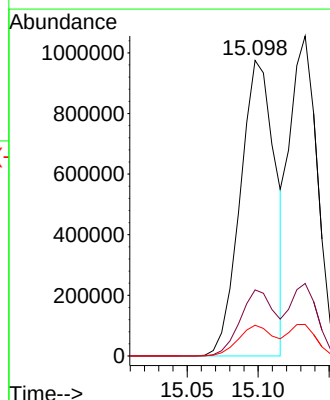
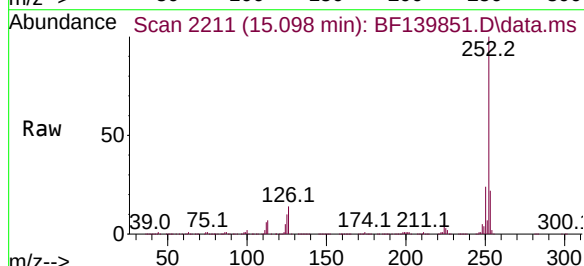
Tgt Ion:252 Resp: 1664856

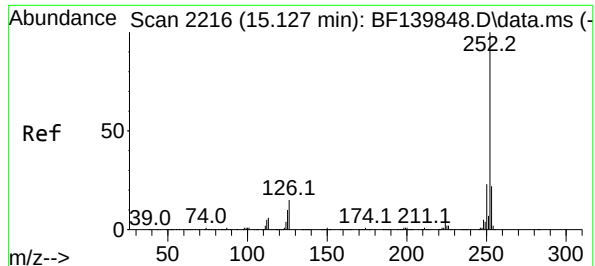
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 72.134 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1419158

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

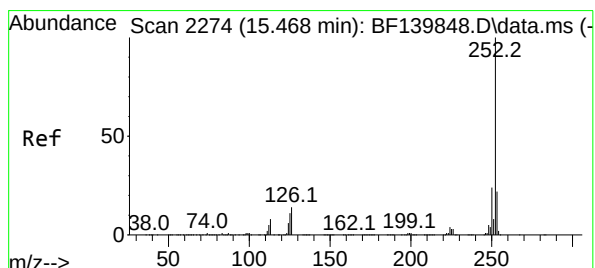
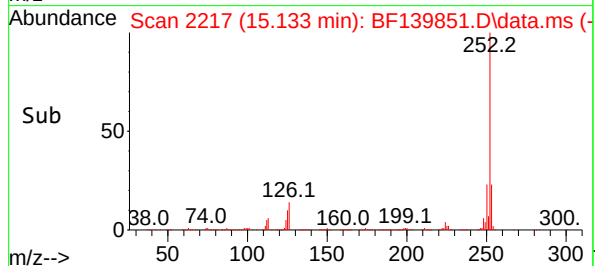
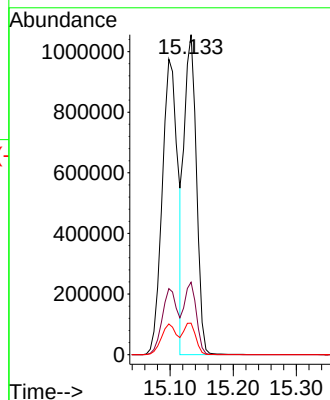
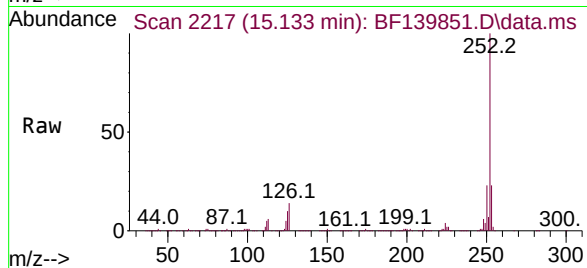
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 75.598 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

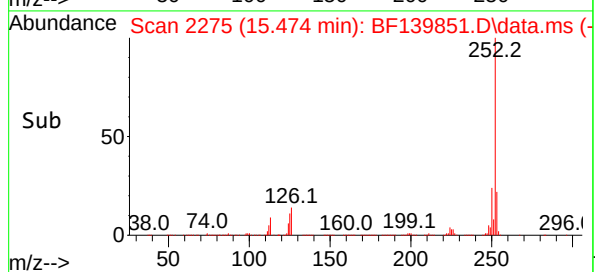
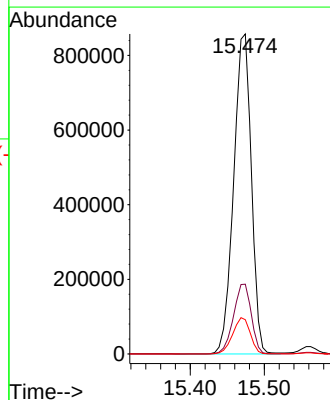
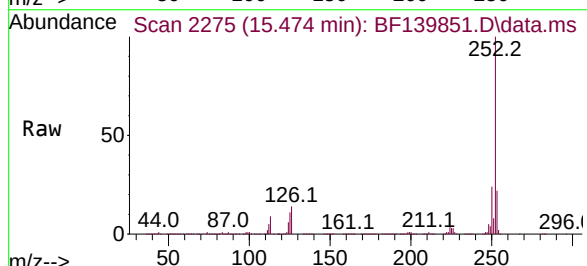
Tgt Ion:252 Resp: 1419026

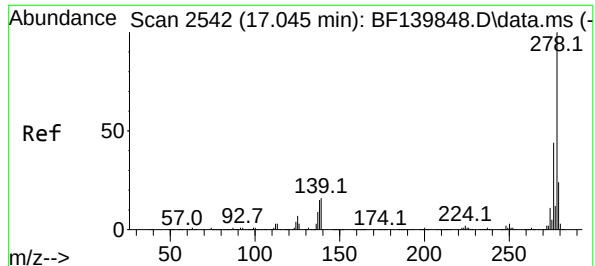
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 77.226 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:278 Resp: 155209

Ion Ratio Lower Upper

278 100

139 15.6 13.1 19.7

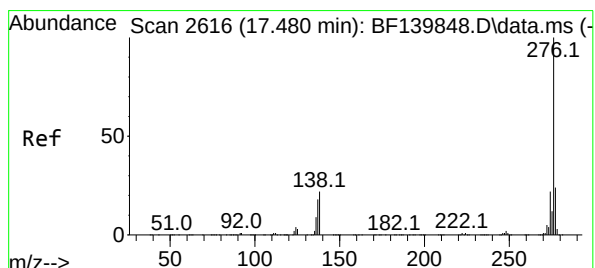
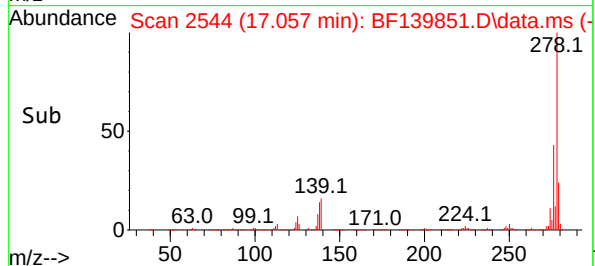
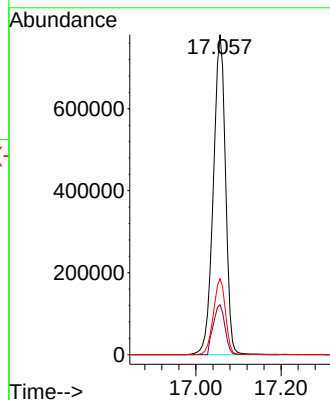
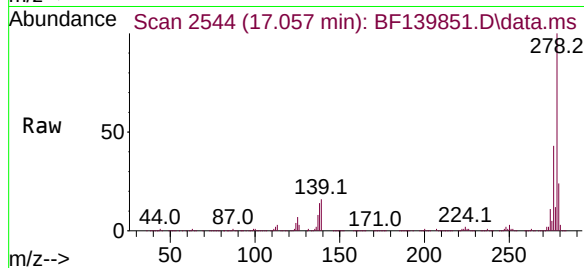
279 23.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#92

Benzo(g,h,i)perylene

Concen: 77.240 ng

RT: 17.492 min Scan# 2618

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

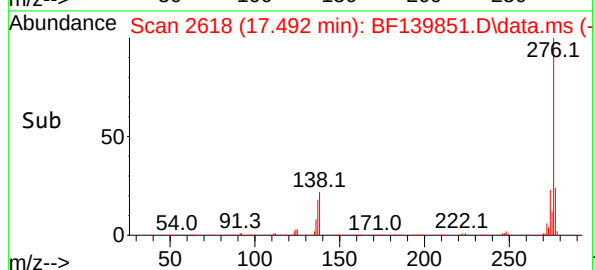
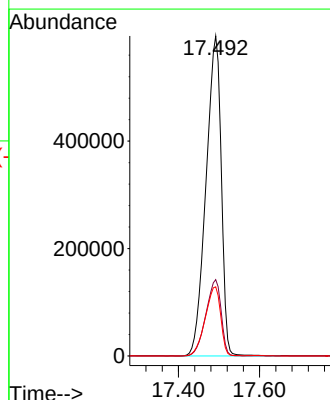
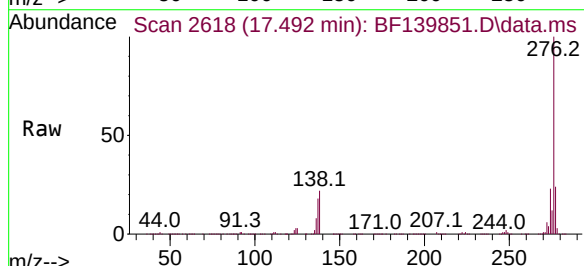
Tgt Ion:276 Resp: 1550622

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 21.6 17.4 26.0





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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.438		-2.6	
2-Fluorophenol	1.278	1.233		-3.5	
Phenol-d6	1.655	1.579		-4.6	
1,4-Dichlorobenzene	1.498	1.484		-0.9	20.0
2-Methylphenol	1.114	1.099		-1.3	
3+4-Methylphenols	1.424	1.388		-2.5	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.530		-0.7	
Nitrobenzene	0.396	0.391		-1.3	
Hexachlorobutadiene	0.197	0.199		1.0	20.0
2,4,6-Trichlorophenol	0.382	0.381		-0.3	20.0
2-Fluorobiphenyl	1.210	1.169		-3.4	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2,4-Dinitrotoluene	0.332	0.379		14.2	
2,4,6-Tribromophenol	0.187	0.204		9.1	
Hexachlorobenzene	0.232	0.234		0.9	
Pentachlorophenol	0.141	0.157		11.3	20.0
Terphenyl-d14	1.227	1.227		0.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 16:12:41 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	159858	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	611382	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	340124	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	597021	20.000	ng	0.00
76) Chrysene-d12	14.057	240	306092	20.000	ng	0.00
86) Perylene-d12	15.533	264	358871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	788397	77.208	ng	0.00
7) Phenol-d6	6.510	99	1009467	76.328	ng	0.00
23) Nitrobenzene-d5	7.451	82	905794	82.113	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	278197	87.444	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1590284	77.274	ng	0.00
79) Terphenyl-d14	12.998	244	1502801	80.002	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	185845	39.035	ng	95
3) Pyridine	3.434	79	459716	38.955	ng	97
4) n-Nitrosodimethylamine	3.381	42	230654	36.378	ng	95
6) Aniline	6.551	93	475331	38.564	ng	98
8) 2-Chlorophenol	6.675	128	412600	39.524	ng	99
9) Benzaldehyde	6.440	77	300182	40.347	ng	98
10) Phenol	6.528	94	531818m	39.005	ng	
11) bis(2-Chloroethyl)ether	6.628	93	406978	38.618	ng	99
12) 1,3-Dichlorobenzene	6.834	146	472163	39.402	ng	98
13) 1,4-Dichlorobenzene	6.910	146	474523	39.636	ng	99
14) 1,2-Dichlorobenzene	7.063	146	442180	39.574	ng	99
15) Benzyl Alcohol	7.028	79	367781	37.910	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	645310	35.911	ng	97
17) 2-Methylphenol	7.134	107	351315	39.467	ng	99
18) Hexachloroethane	7.404	117	169360	39.670	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	293648	36.609	ng	96
20) 3+4-Methylphenols	7.287	107	443838	38.982	ng	100
22) Acetophenone	7.298	105	571315	38.152	ng	97
24) Nitrobenzene	7.475	77	478277	39.545	ng	97
25) Isophorone	7.710	82	795494	37.995	ng	100
26) 2-Nitrophenol	7.787	139	213698	46.836	ng	95
27) 2,4-Dimethylphenol	7.816	122	292012	38.382	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	485228	38.252	ng	99
29) 2,4-Dichlorophenol	8.022	162	346373	39.971	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	379629	39.591	ng	99
31) Naphthalene	8.198	128	1236297	39.208	ng	100
32) Benzoic acid	7.922	122	295264	44.497	ng	96
33) 4-Chloroaniline	8.239	127	415421	38.637	ng	98
34) Hexachlorobutadiene	8.310	225	243614	40.436	ng	99
35) Caprolactam	8.610	113	112811	40.942	ng	91
36) 4-Chloro-3-methylphenol	8.716	107	376721	39.260	ng	97
37) 2-Methylnaphthalene	8.886	142	755327	39.114	ng	100
38) 1-Methylnaphthalene	8.986	142	735901	38.841	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	367476	40.047	ng	99
41) Hexachlorocyclopentadiene	9.039	237	131046	41.044	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	259164	39.893	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	282398	42.132	ng	97
46) 1,1'-Biphenyl	9.351	154	919167	38.820	ng	99
47) 2-Chloronaphthalene	9.375	162	746122	39.125	ng	100
48) 2-Nitroaniline	9.463	65	251224	43.073	ng	96
49) Acenaphthylene	9.792	152	1080134	39.178	ng	99
50) Dimethylphthalate	9.651	163	833862	39.360	ng	100
51) 2,6-Dinitrotoluene	9.710	165	196730	42.888	ng	94
52) Acenaphthene	9.963	154	714969	40.088	ng	99
53) 3-Nitroaniline	9.875	138	198559	41.975	ng	97
54) 2,4-Dinitrophenol	9.981	184	94482	52.057	ng	# 1
55) Dibenzofuran	10.133	168	991506	38.748	ng	99
56) 4-Nitrophenol	10.022	139	155364	42.690	ng	98
57) 2,4-Dinitrotoluene	10.110	165	257878	45.716	ng	96
58) Fluorene	10.475	166	760625	39.027	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	220241	41.916	ng	96
60) Diethylphthalate	10.345	149	823444	39.586	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	390596	39.685	ng	97
62) 4-Nitroaniline	10.486	138	190350	42.606	ng	97
63) Azobenzene	10.628	77	834020	37.820	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	133203	54.698	ng	94
66) n-Nitrosodiphenylamine	10.586	169	696657	38.988	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	251419	40.878	ng	98
68) Hexachlorobenzene	11.022	284	279424	40.396	ng	99
69) Atrazine	11.110	200	198207	40.949	ng	99
70) Pentachlorophenol	11.216	266	187195	44.591	ng	99
71) Phenanthrene	11.439	178	1098645	38.958	ng	99
72) Anthracene	11.492	178	1067309	38.790	ng	100
73) Carbazole	11.645	167	973648	38.049	ng	99
74) Di-n-butylphthalate	11.975	149	1141943	38.625	ng	100
75) Fluoranthene	12.627	202	1066456	37.408	ng	99
77) Benzidine	12.745	184	315575	62.699	ng	100
78) Pyrene	12.857	202	1059713	39.552	ng	100
80) Butylbenzylphthalate	13.474	149	330514	41.146	ng	99
81) Benzo(a)anthracene	14.045	228	791290	39.712	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	273674	47.107	ng	99
83) Chrysene	14.080	228	708425	38.777	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	407600	45.227	ng	100
85) Di-n-octyl phthalate	14.645	149	733157	44.726	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	918984	39.805	ng	98
88) Benzo(b)fluoranthene	15.098	252	777166	35.551	ng	100
89) Benzo(k)fluoranthene	15.127	252	752337	39.905	ng	99
90) Benzo(a)pyrene	15.468	252	702054	39.029	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	760841	39.504	ng	98
92) Benzo(g,h,i)perylene	17.480	276	756017	39.298	ng	100

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

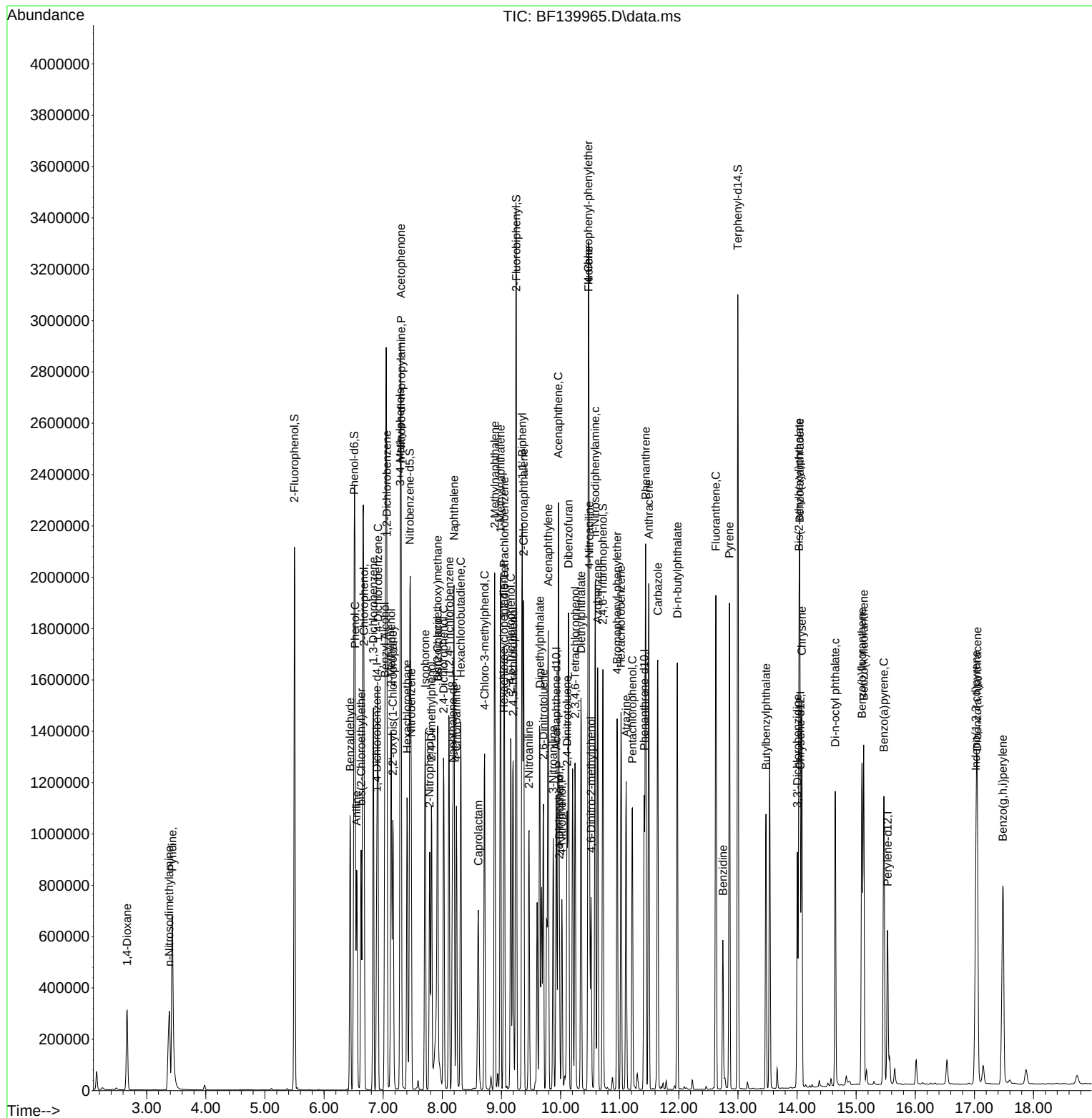
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139965.D
Acq On    : 23 Oct 2024  15:30
Operator  : RC/JU
Sample    : SSTDCCC040
Misc      :
ALS Vial  : 2    Sample Multiplier: 1
```

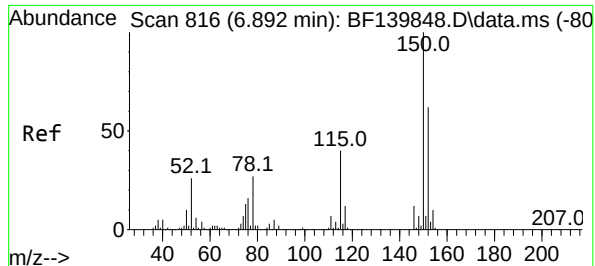
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

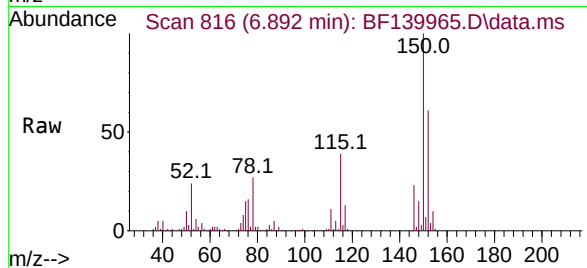
Quant Time: Oct 23 16:12:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

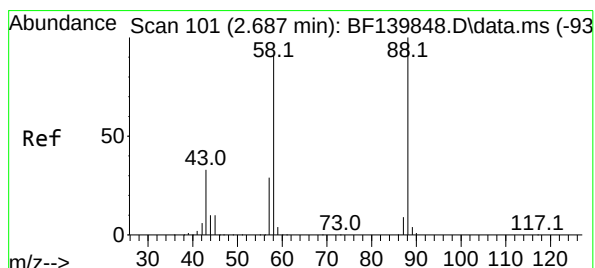
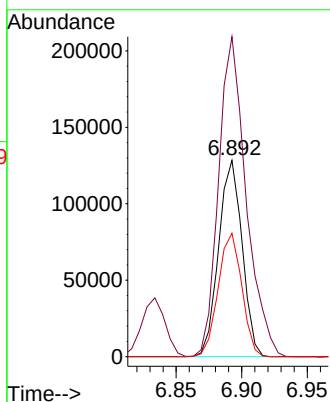
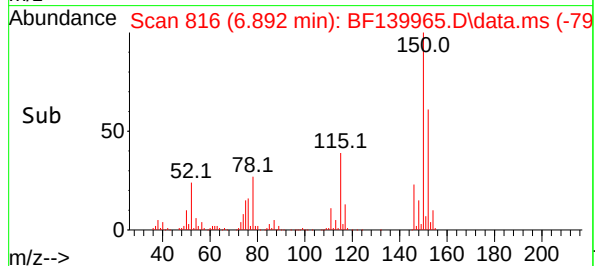
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 15985
Ion Ratio Lower Upper
152 100
150 163.0 130.2 195.2
115 62.9 51.4 77.2

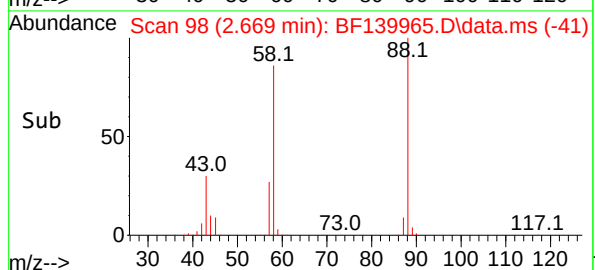
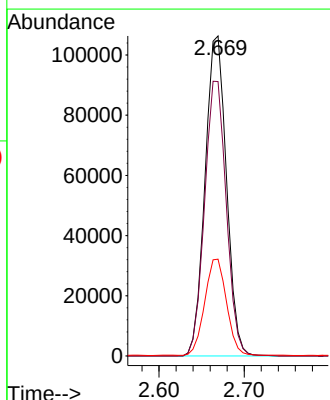
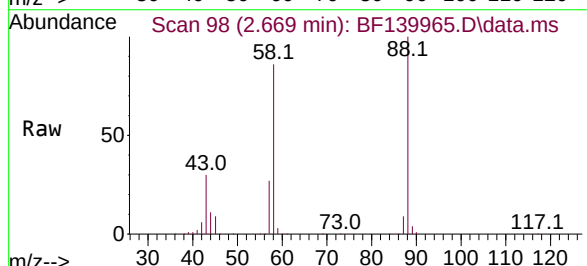
Manual Integrations
APPROVED

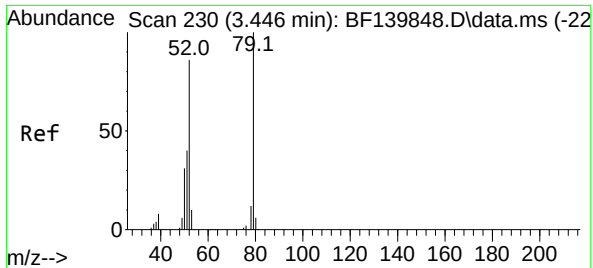
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#2
1,4-Dioxane
Concen: 39.035 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion: 88 Resp: 185845
Ion Ratio Lower Upper
88 100
58 87.2 73.3 109.9
43 30.5 27.1 40.7





#3

Pyridine

Concen: 38.955 ng

RT: 3.434 min Scan# 219

Delta R.T. -0.012 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 459710

Ion Ratio Lower Upper

79 100

52 81.5 68.5 102.7

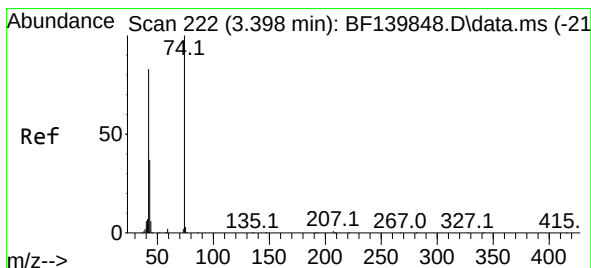
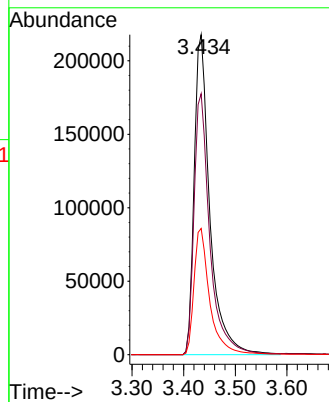
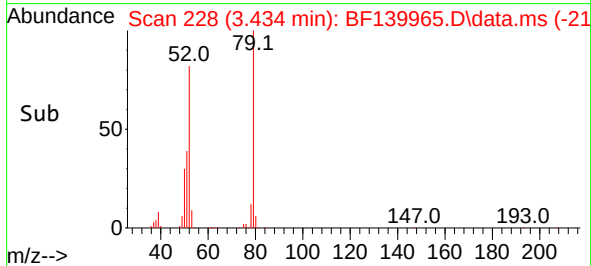
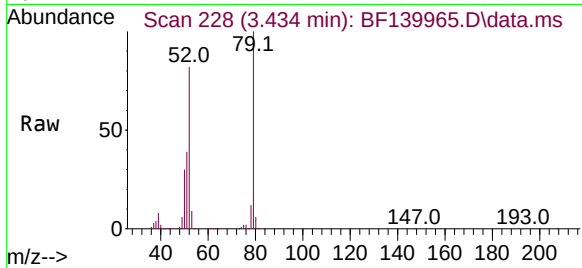
51 39.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#4

n-Nitrosodimethylamine

Concen: 36.378 ng

RT: 3.381 min Scan# 219

Delta R.T. -0.018 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

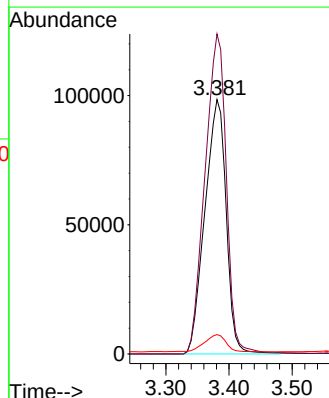
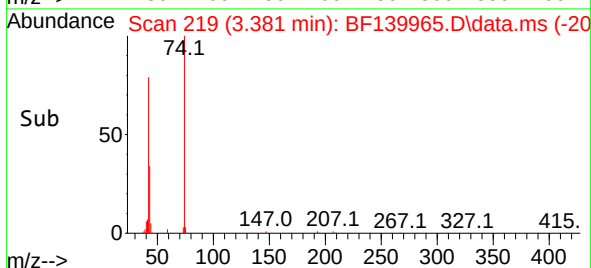
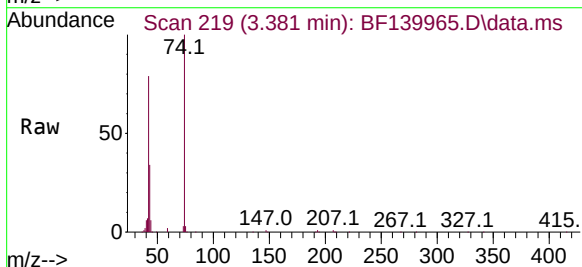
Tgt Ion: 42 Resp: 230654

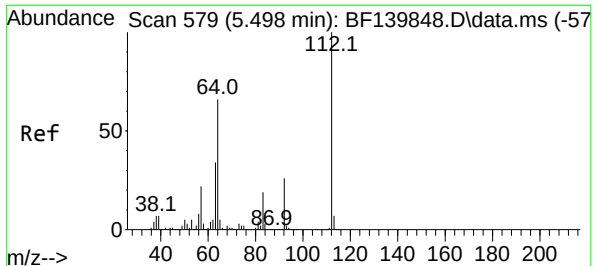
Ion Ratio Lower Upper

42 100

74 125.8 96.2 144.4

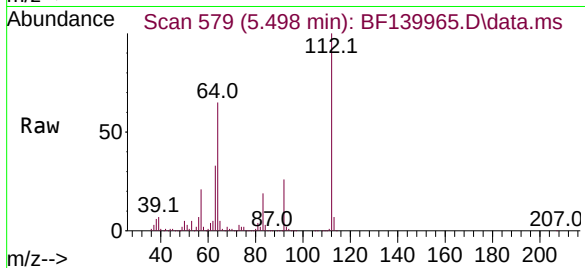
44 7.6 6.2 9.2





#5
2-Fluorophenol
Concen: 77.208 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

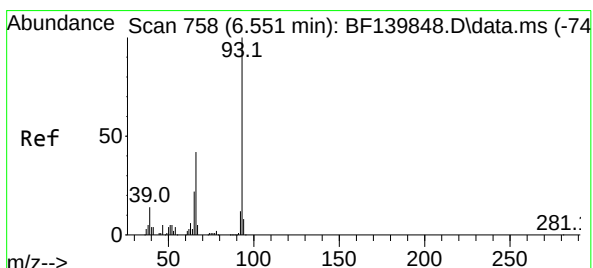
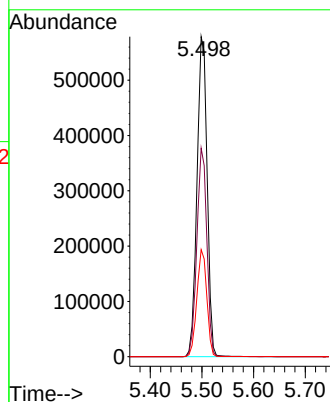
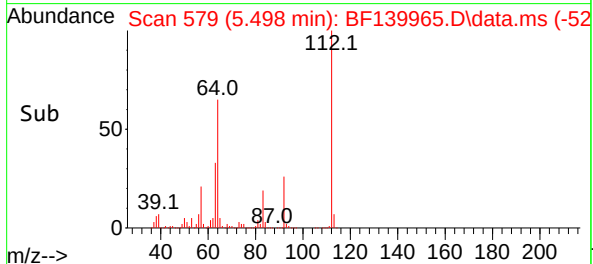
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 112 Resp: 78839
Ion Ratio Lower Upper
112 100
64 65.1 53.0 79.6
63 33.5 27.0 40.4

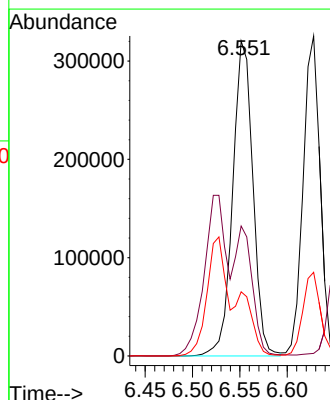
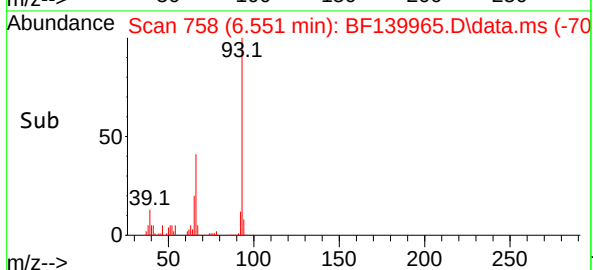
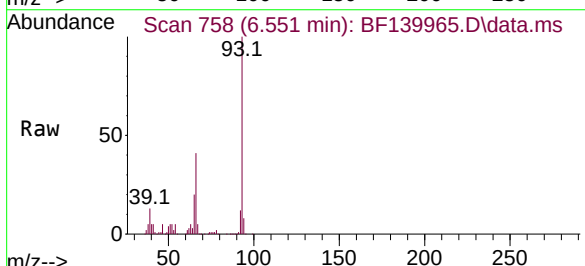
Manual Integrations
APPROVED

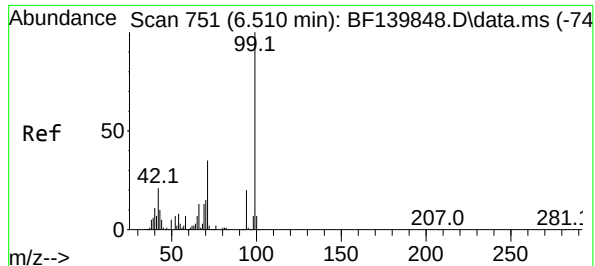
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#6
Aniline
Concen: 38.564 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

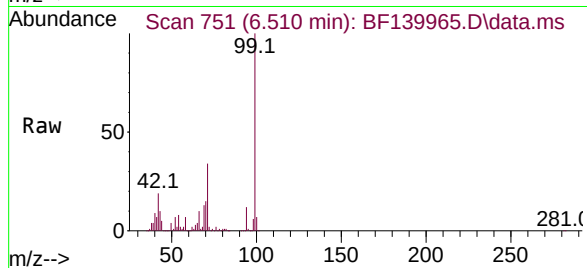
Tgt Ion: 93 Resp: 475331
Ion Ratio Lower Upper
93 100
66 41.3 34.0 51.0
65 20.4 17.4 26.0





#7
Phenol-d6
Concen: 76.328 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

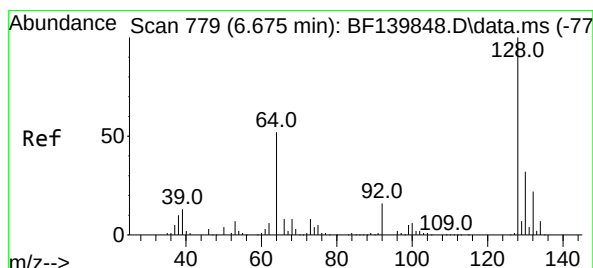
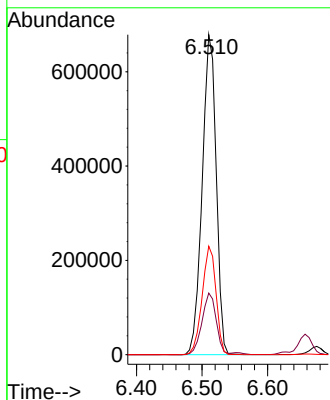
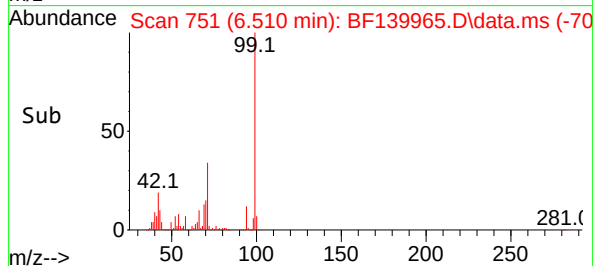
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



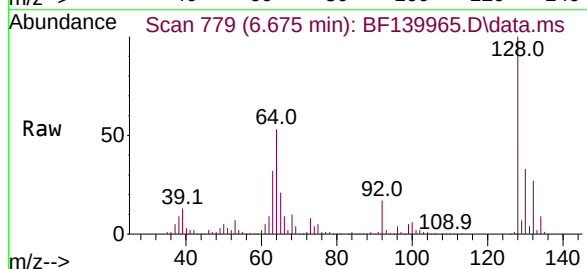
Tgt Ion: 99 Resp: 100946
Ion Ratio Lower Upper
99 100
42 19.2 16.7 25.1
71 33.9 27.7 41.5

Manual Integrations
APPROVED

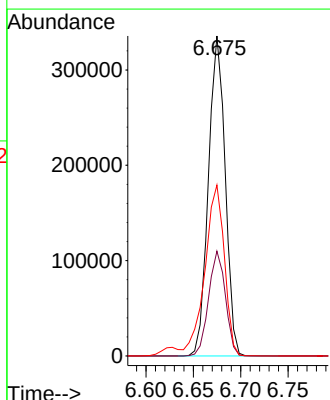
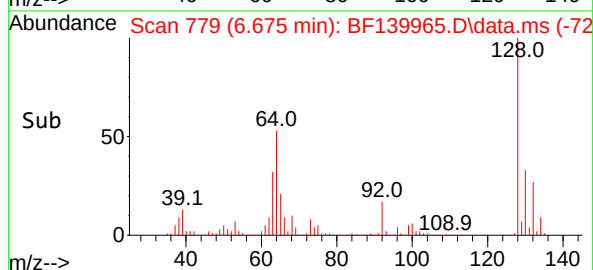
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

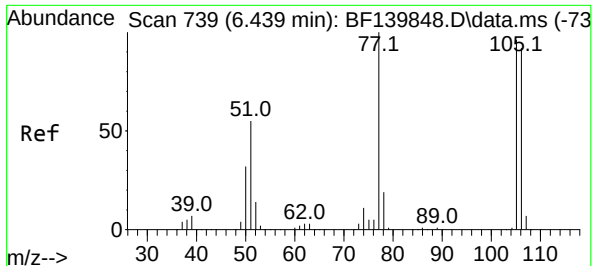


#8
2-Chlorophenol
Concen: 39.524 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:128 Resp: 412600
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 53.4 34.6 74.6





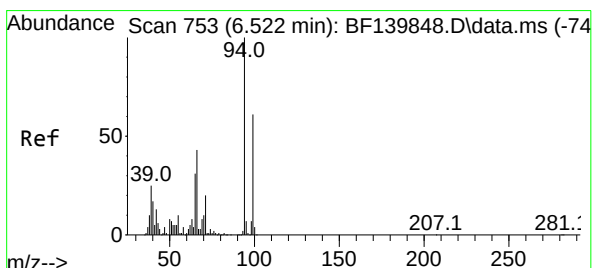
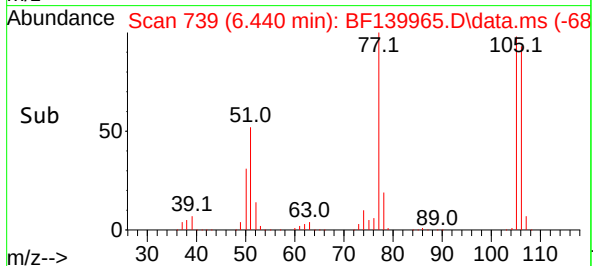
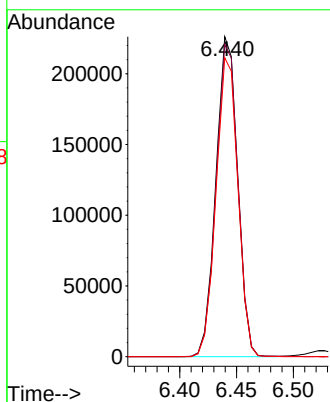
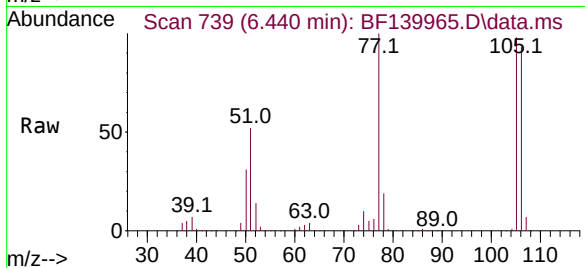
#9
Benzaldehyde
Concen: 40.347 ng
RT: 6.440 min Scan# 710
Delta R.T. 0.001 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 30018
Ion Ratio Lower Upper
77 100
105 97.5 75.5 115.5
106 93.4 71.7 111.7

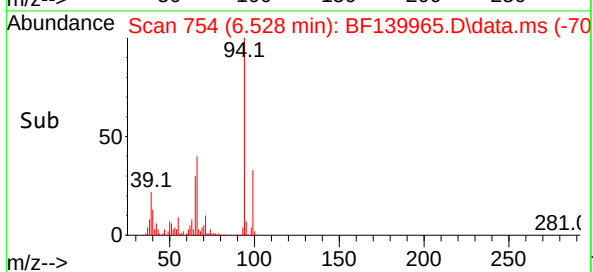
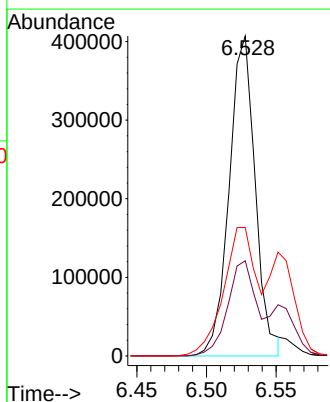
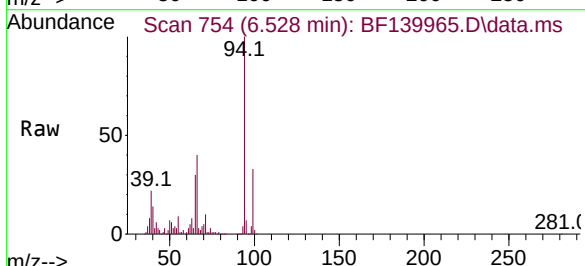
Manual Integrations
APPROVED

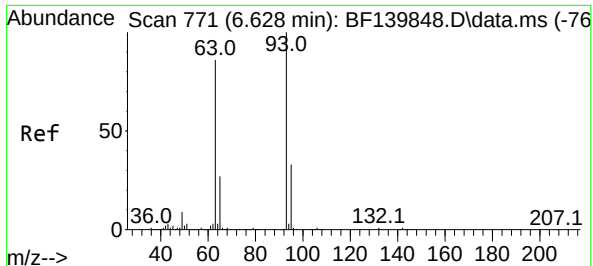
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#10
Phenol
Concen: 39.005 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion: 94 Resp: 531818
Ion Ratio Lower Upper
94 100
65 29.8 11.1 51.1
66 40.1 22.7 62.7





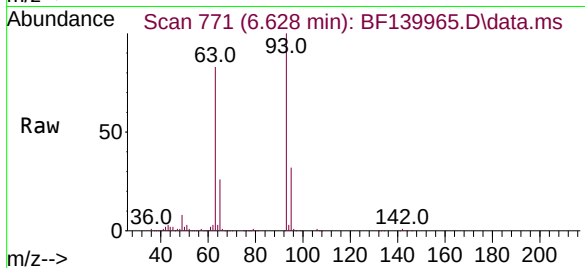
#11
bis(2-Chloroethyl)ether
Concen: 38.618 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

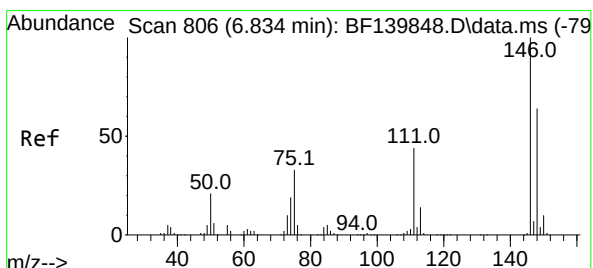
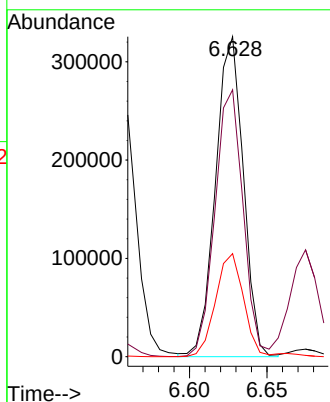
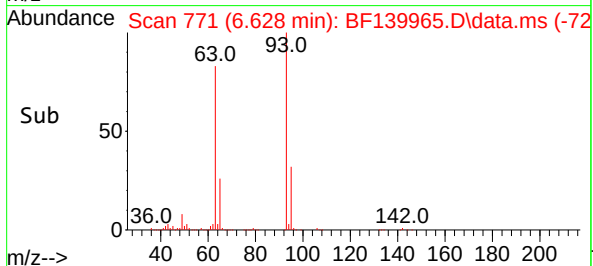


Tgt Ion: 93 Resp: 406978
Ion Ratio Lower Upper
93 100
63 83.4 65.0 105.0
95 32.2 12.4 52.4

Manual Integrations

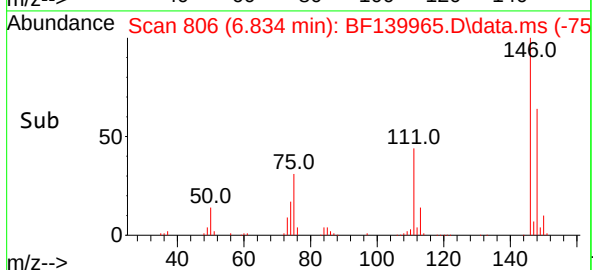
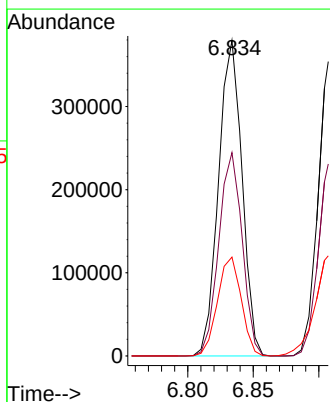
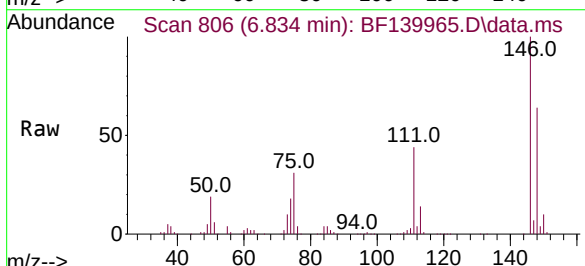
APPROVED

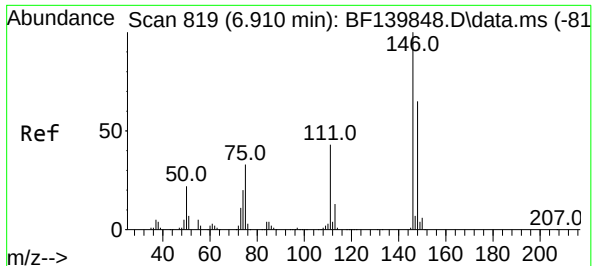
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#12
1,3-Dichlorobenzene
Concen: 39.402 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:146 Resp: 472163
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 31.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.636 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 47452

Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.8

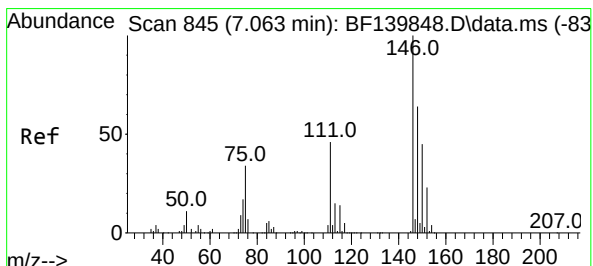
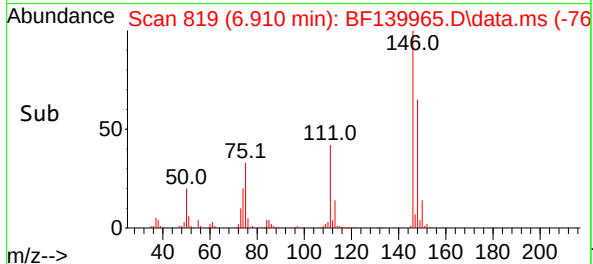
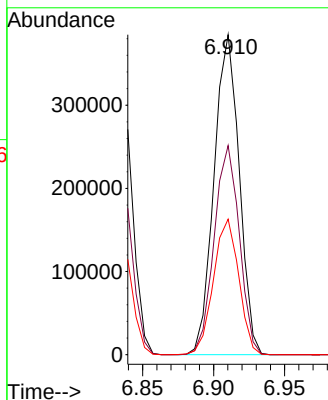
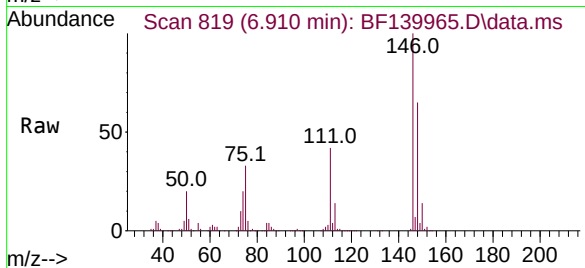
111 42.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#14

1,2-Dichlorobenzene

Concen: 39.574 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

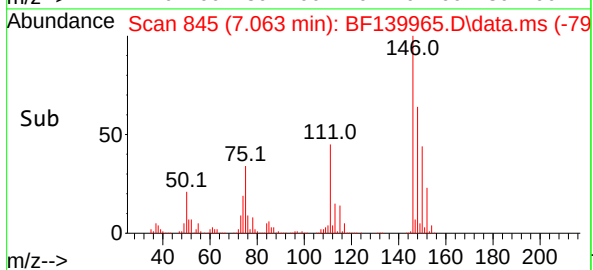
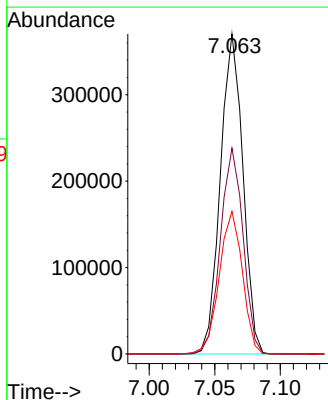
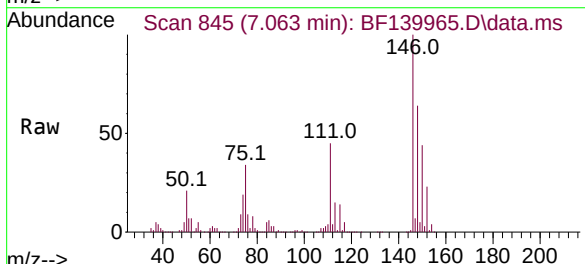
Tgt Ion:146 Resp: 442180

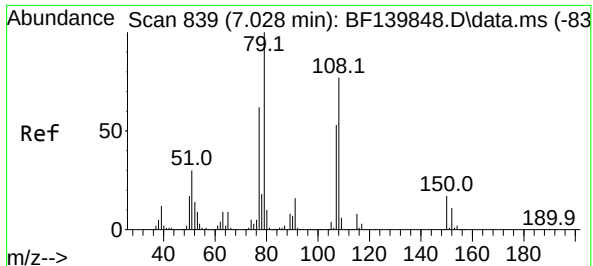
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 44.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.910 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139965.D

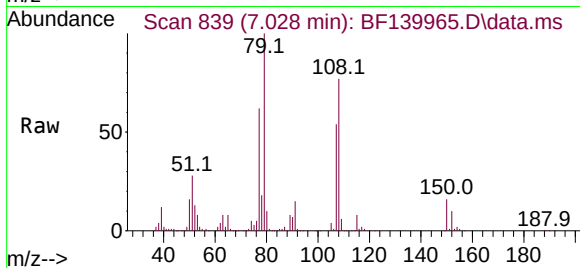
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 79 Resp: 36778

Ion Ratio Lower Upper

79 100

108 76.9 61.4 92.0

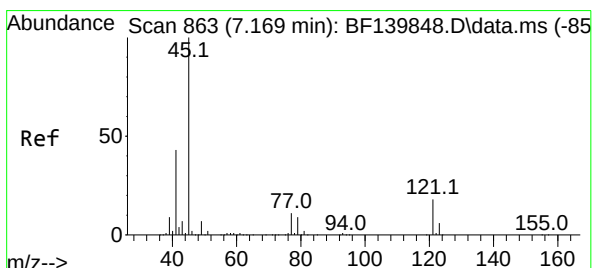
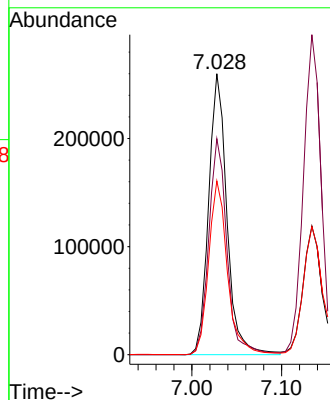
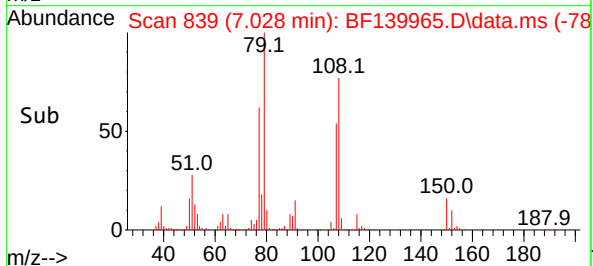
77 61.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.911 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

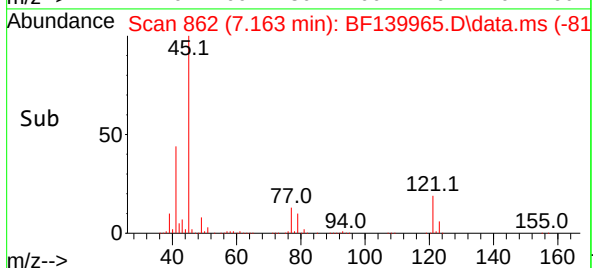
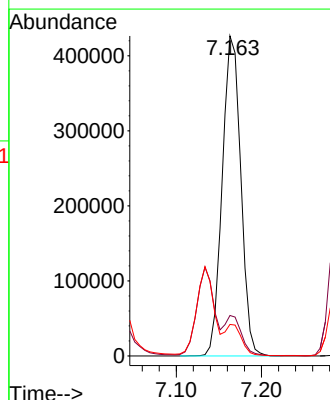
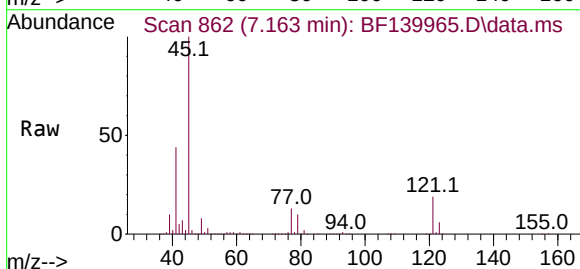
Tgt Ion: 45 Resp: 645310

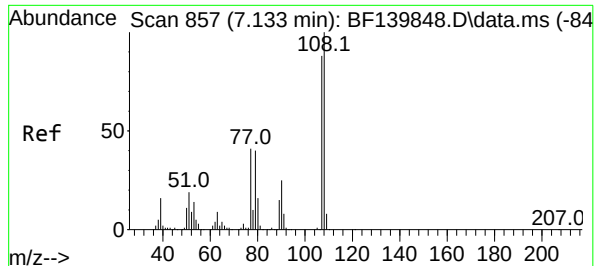
Ion Ratio Lower Upper

45 100

77 12.7 0.0 31.5

79 9.8 0.0 29.1





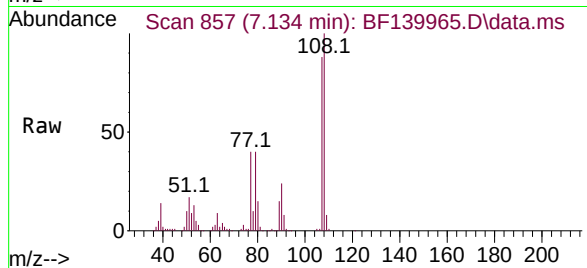
#17
2-Methylphenol
Concen: 39.467 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

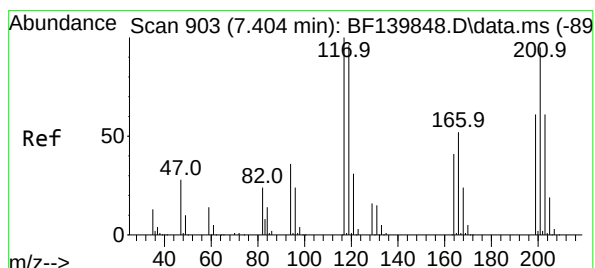
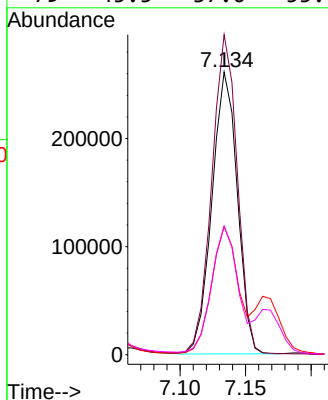
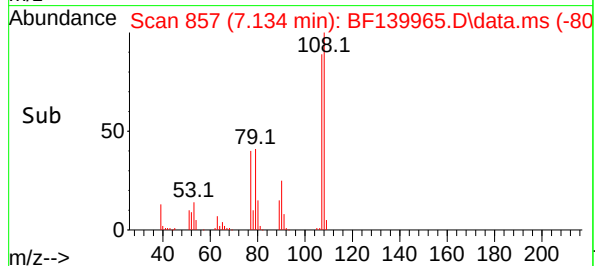


Tgt Ion:107 Resp: 35131
Ion Ratio Lower Upper
107 100
108 113.2 91.3 136.9
77 45.3 37.1 55.7
79 45.5 37.0 55.6

Manual Integrations

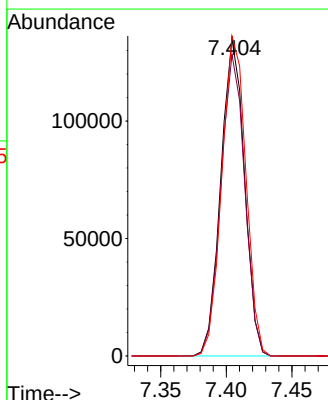
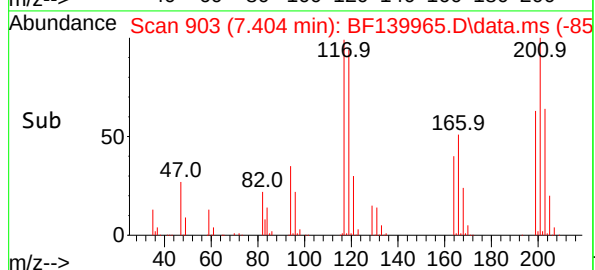
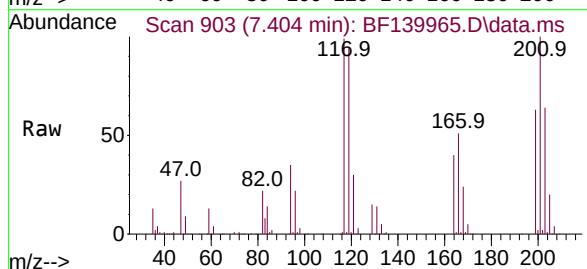
APPROVED

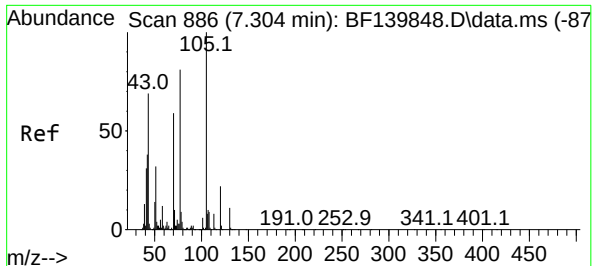
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#18
Hexachloroethane
Concen: 39.670 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:117 Resp: 169360
Ion Ratio Lower Upper
117 100
119 95.0 77.0 115.4
201 100.8 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 36.609 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139965.D

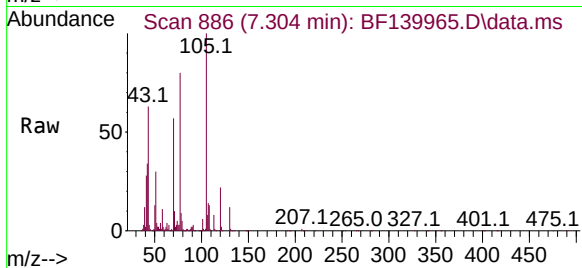
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 29364

Ion Ratio Lower Upper

70 100

42 60.6 51.5 77.3

101 9.7 7.5 11.3

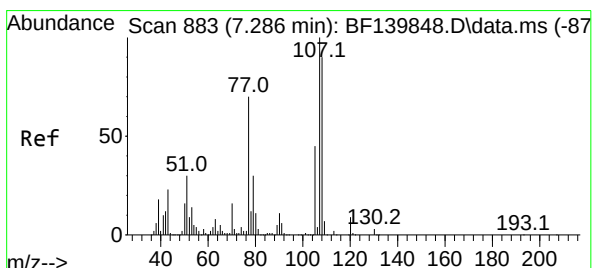
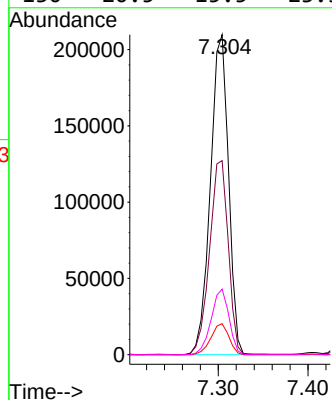
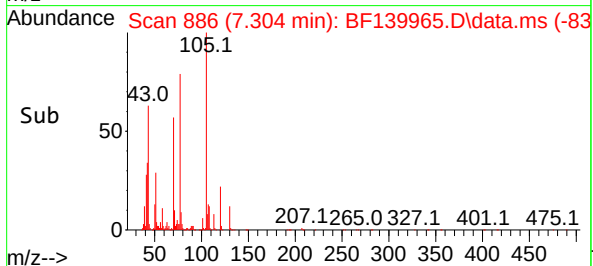
130 20.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#20

3+4-Methylphenols

Concen: 38.982 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Tgt Ion:107 Resp: 443838

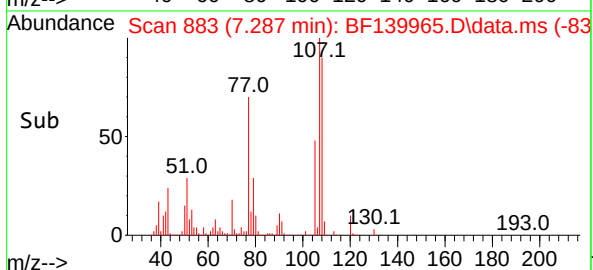
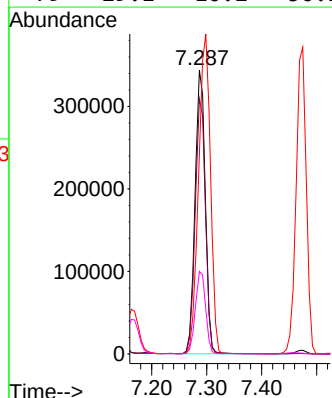
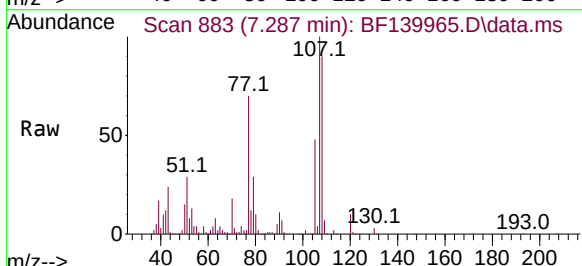
Ion Ratio Lower Upper

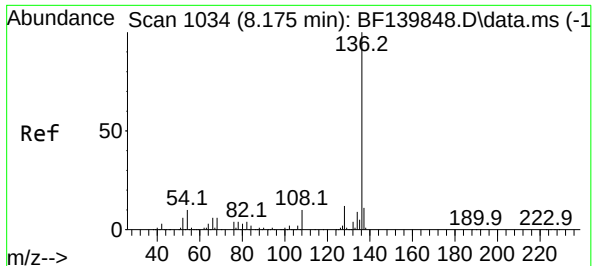
107 100

108 89.9 69.8 109.8

77 70.4 50.5 90.5

79 29.1 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139965.D

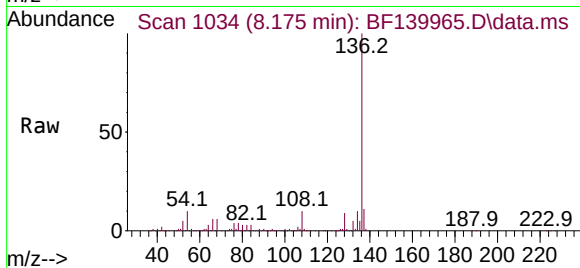
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 61138

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.7 8.4 12.6

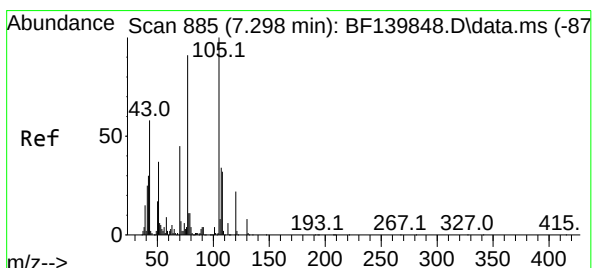
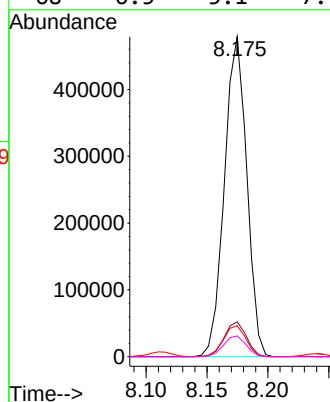
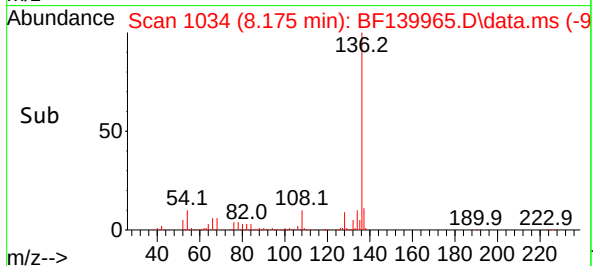
68 6.5 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#22

Acetophenone

Concen: 38.152 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Tgt Ion:105 Resp: 571315

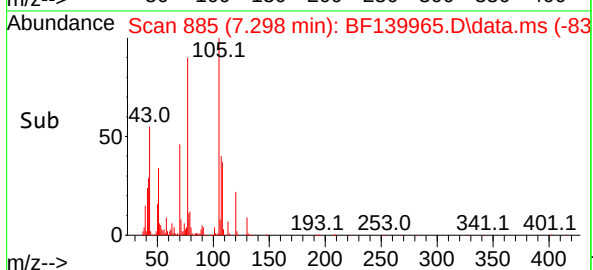
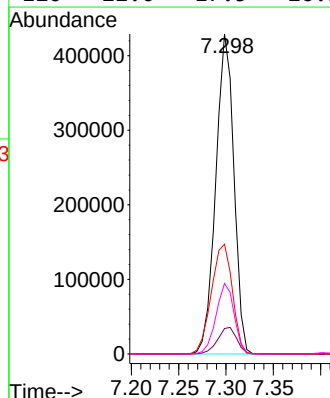
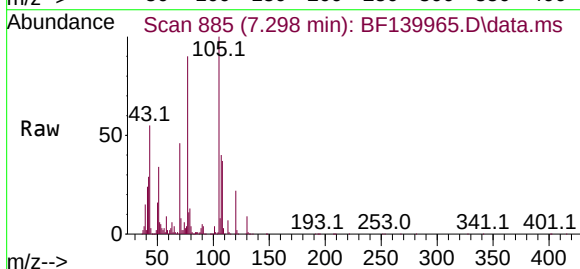
Ion Ratio Lower Upper

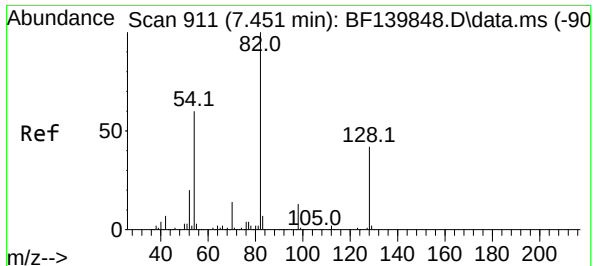
105 100

71 7.9 5.9 8.9

51 34.3 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.113 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 905794

Ion Ratio Lower Upper

82 100

128 43.3 33.4 50.0

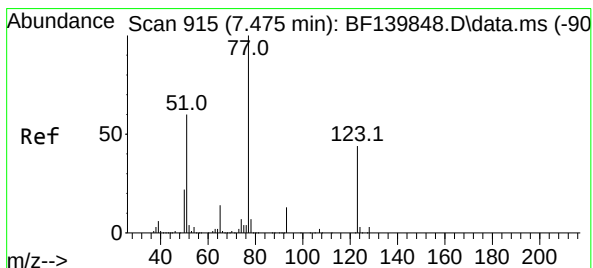
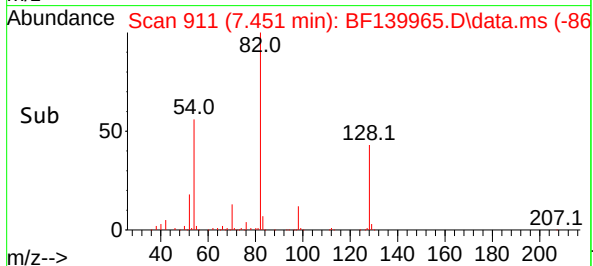
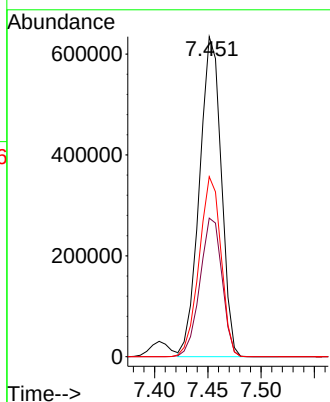
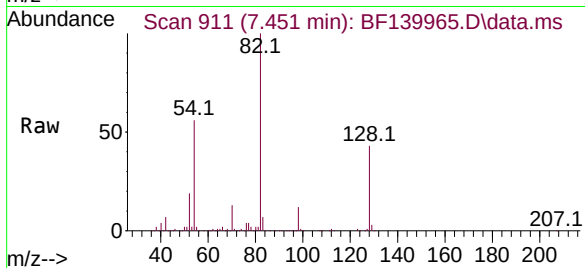
54 56.2 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#24

Nitrobenzene

Concen: 39.545 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

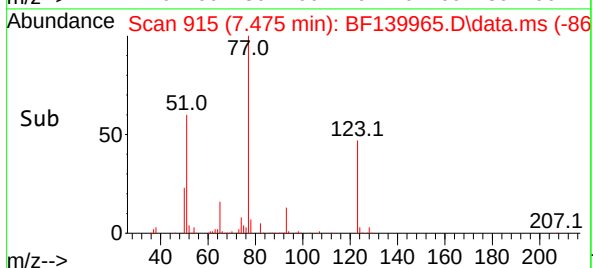
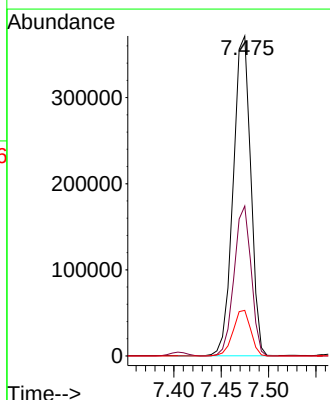
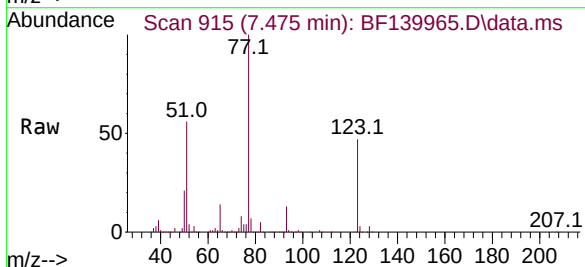
Tgt Ion: 77 Resp: 478277

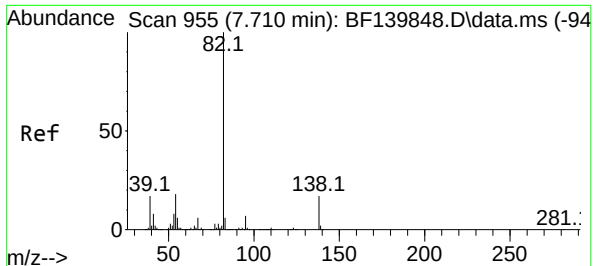
Ion Ratio Lower Upper

77 100

123 46.8 35.7 53.5

65 14.3 11.5 17.3





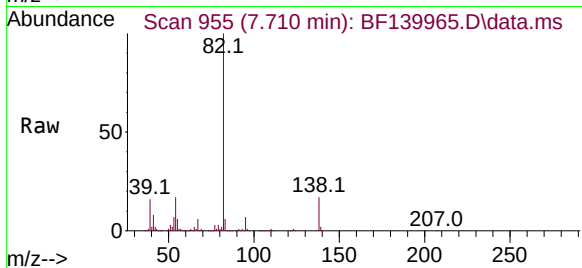
#25
Isophorone
Concen: 37.995 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

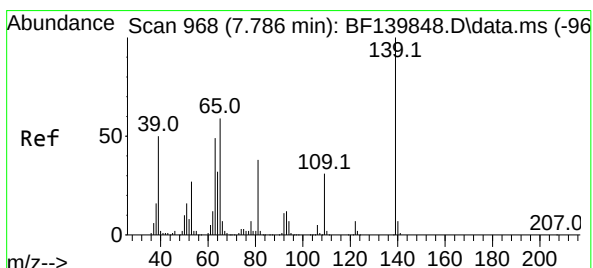
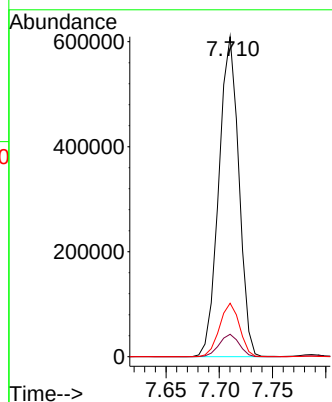
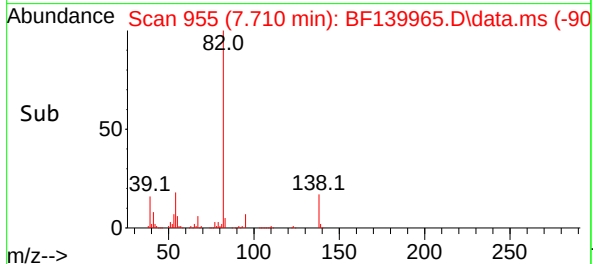
SSTDCCC040



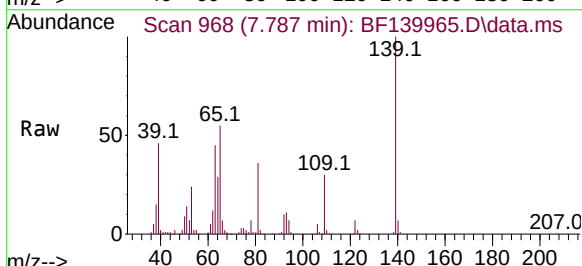
Tgt Ion: 82 Resp: 795494
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 16.7 13.2 19.8

Manual Integrations
APPROVED

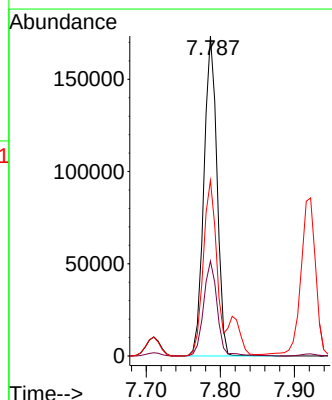
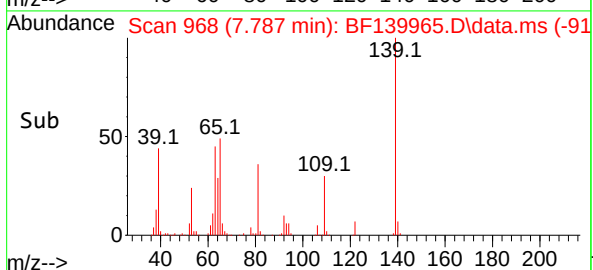
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

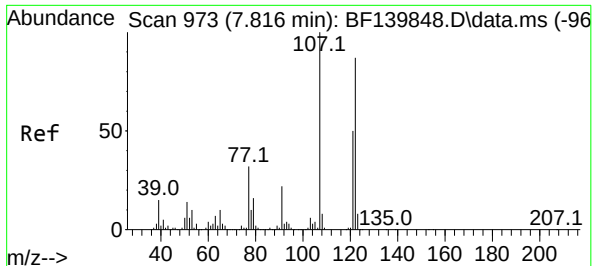


#26
2-Nitrophenol
Concen: 46.836 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:139 Resp: 213698
Ion Ratio Lower Upper
139 100
109 29.7 25.1 37.7
65 54.9 47.5 71.3





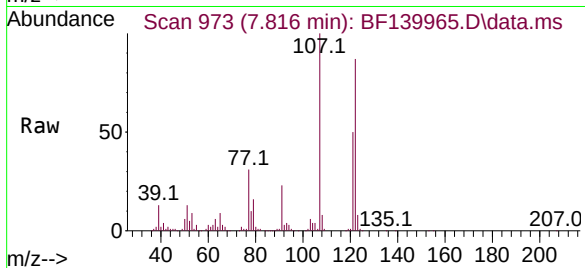
#27
2,4-Dimethylphenol
Concen: 38.382 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

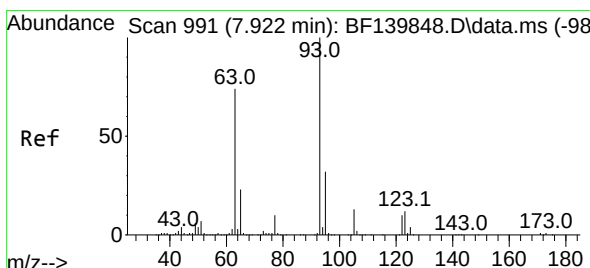
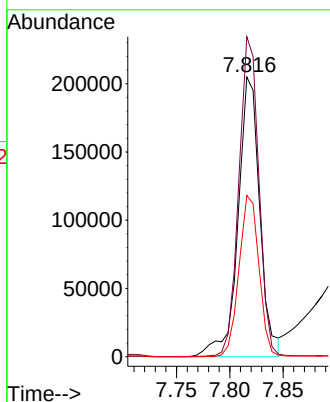
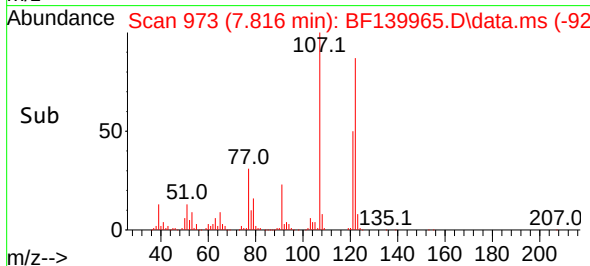


Tgt Ion:122 Resp: 29201
Ion Ratio Lower Upper
122 100
107 114.4 91.9 137.9
121 57.7 46.2 69.4

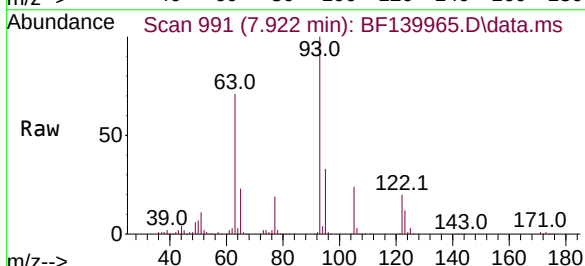
Manual Integrations

APPROVED

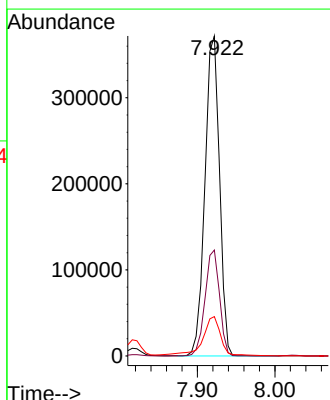
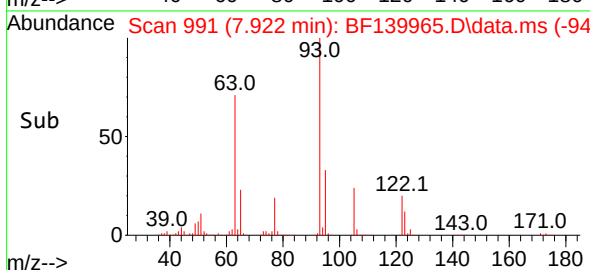
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

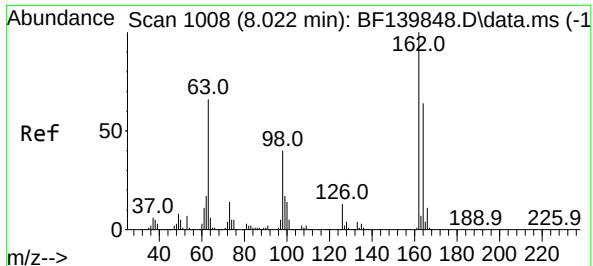


#28
bis(2-Chloroethoxy)methane
Concen: 38.252 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion: 93 Resp: 485228
Ion Ratio Lower Upper
93 100
95 33.1 26.0 39.0
123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.971 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 34637

Ion Ratio Lower Upper

162 100

164 63.6 43.9 83.9

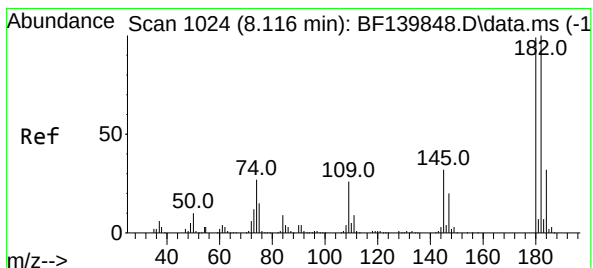
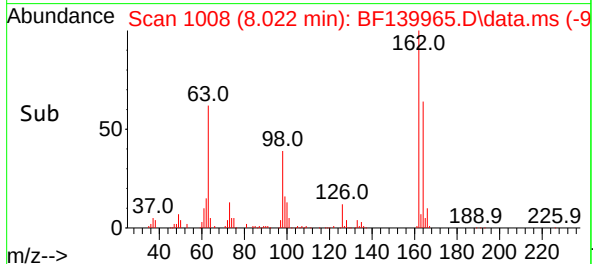
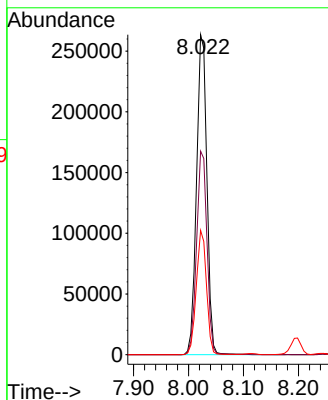
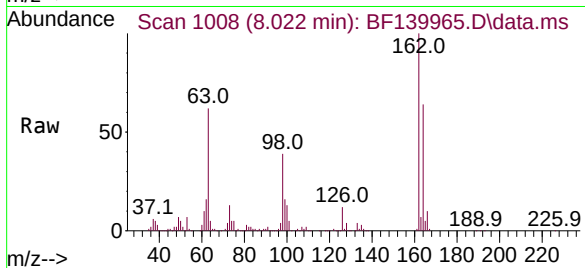
98 38.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.591 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

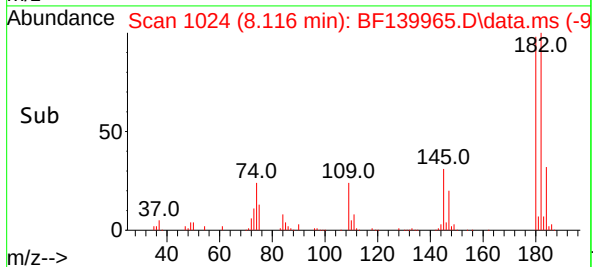
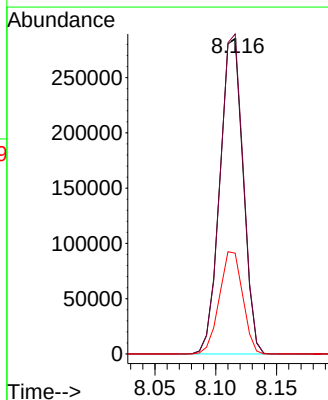
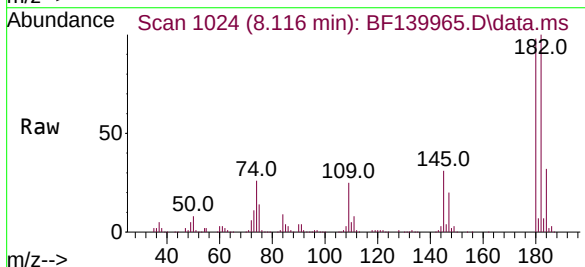
Tgt Ion:180 Resp: 379629

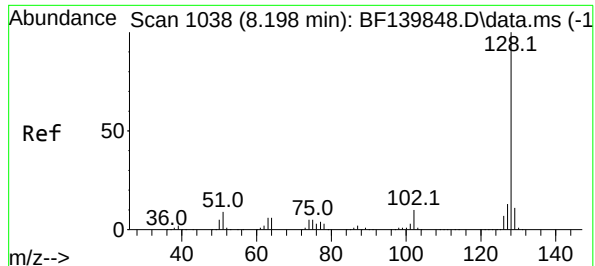
Ion Ratio Lower Upper

180 100

182 101.5 80.5 120.7

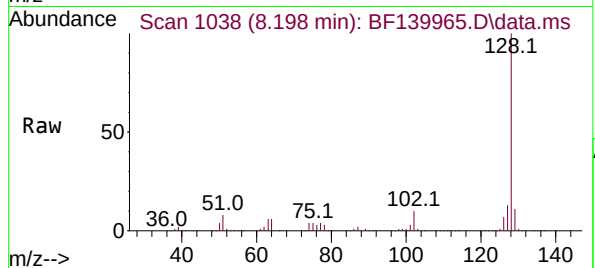
145 32.0 25.4 38.0





#31
Naphthalene
Concen: 39.208 ng
RT: 8.198 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

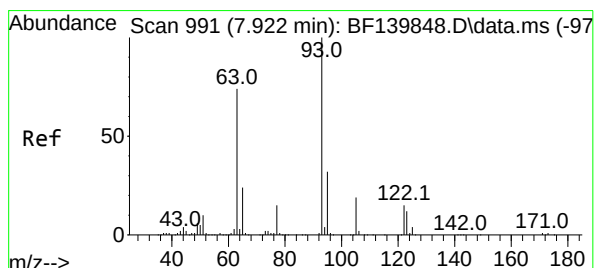
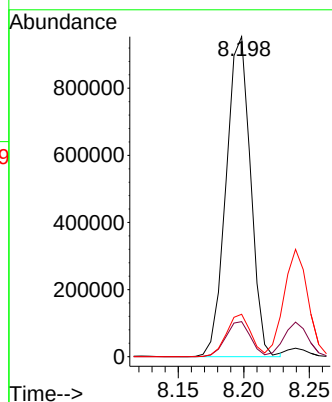
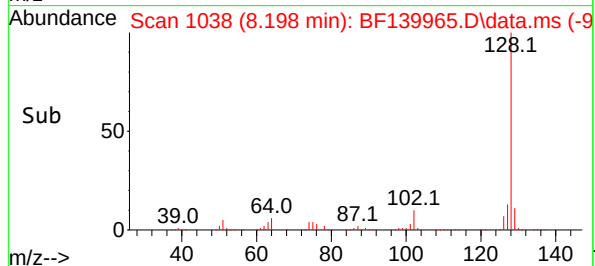
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 123629
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.6 16.0

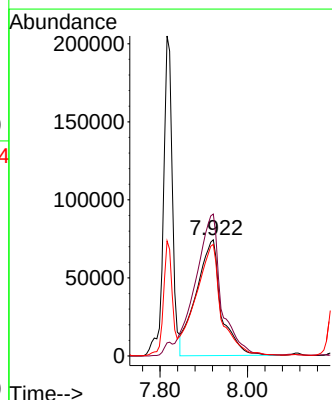
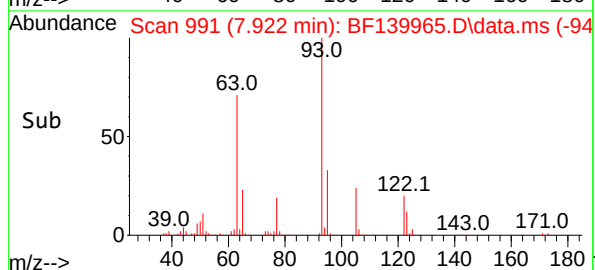
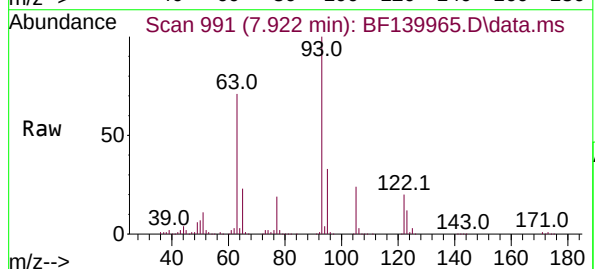
Manual Integrations
APPROVED

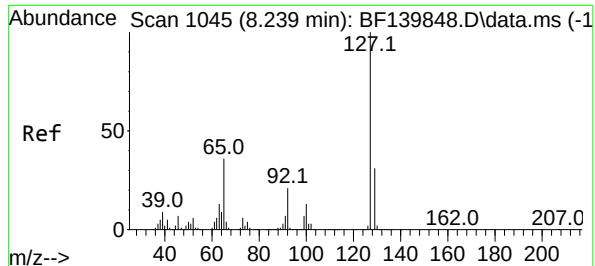
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#32
Benzoic acid
Concen: 44.497 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:122 Resp: 295264
Ion Ratio Lower Upper
122 100
105 122.2 107.6 147.6
77 96.0 80.2 120.2





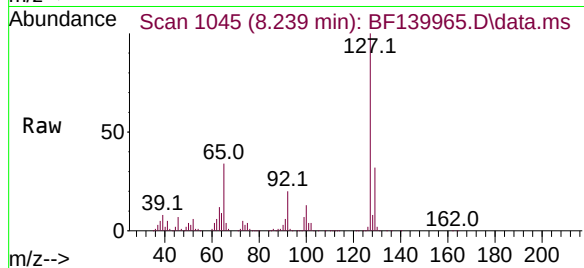
#33
4-Chloroaniline
Concen: 38.637 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

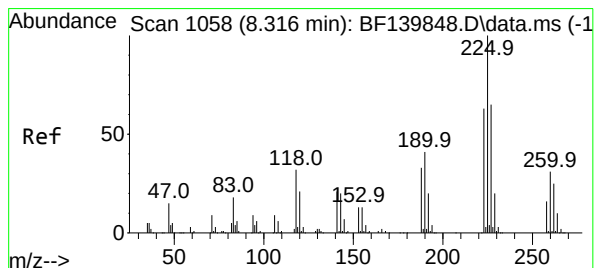
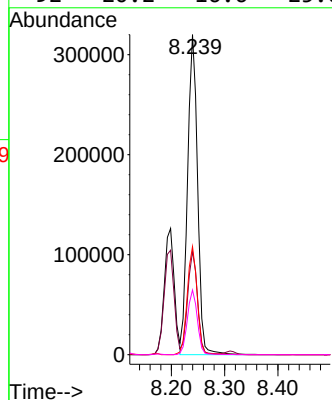
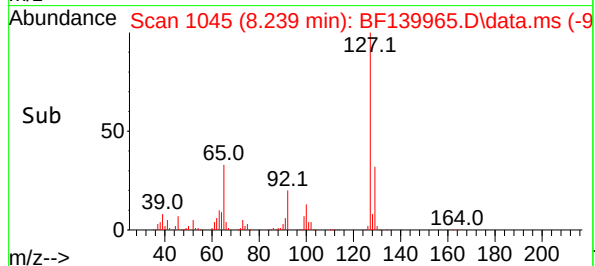


Tgt Ion:127 Resp: 41542
Ion Ratio Lower Upper
127 100
129 32.2 25.4 38.2
65 33.8 28.4 42.6
92 20.2 16.6 25.0

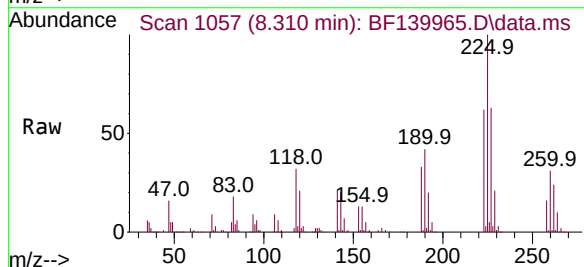
Manual Integrations

APPROVED

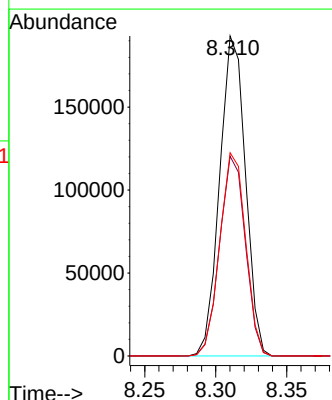
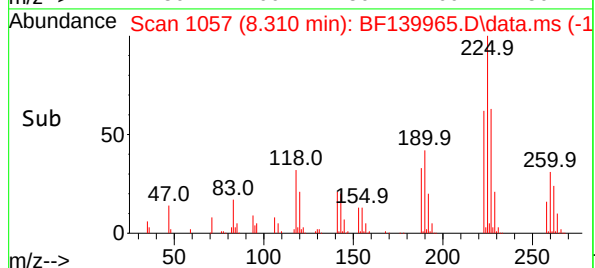
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

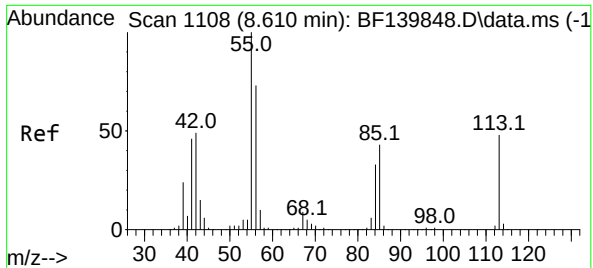


#34
Hexachlorobutadiene
Concen: 40.436 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



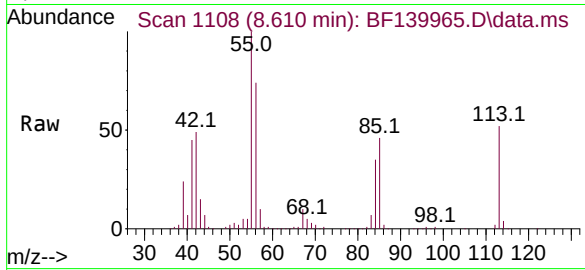
Tgt Ion:225 Resp: 243614
Ion Ratio Lower Upper
225 100
223 62.4 50.6 76.0
227 63.5 51.8 77.8





#35
 Caprolactam
 Concen: 40.942 ng
 RT: 8.610 min Scan# 1108
 Delta R.T. 0.000 min
 Lab File: BF139965.D
 Acq: 23 Oct 2024 15:30

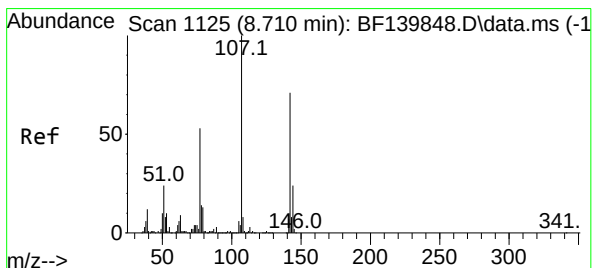
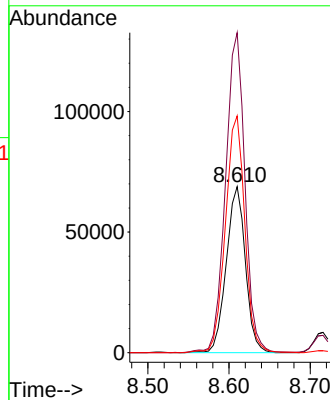
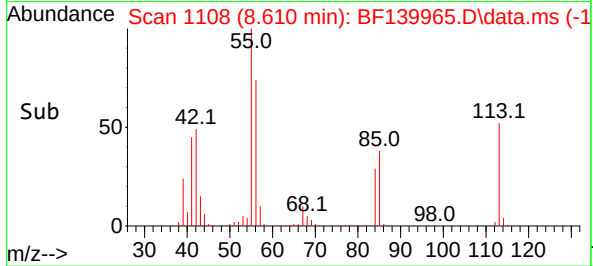
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



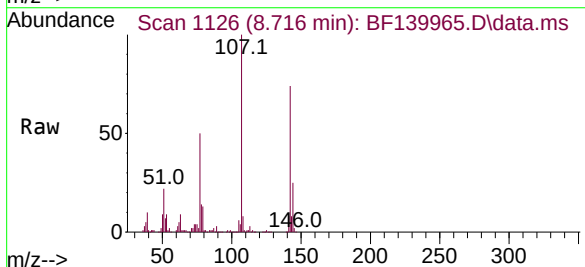
Tgt Ion:113 Resp: 11281
 Ion Ratio Lower Upper
 113 100
 55 192.6 189.2 229.2
 56 142.5 132.5 172.5

Manual Integrations
 APPROVED

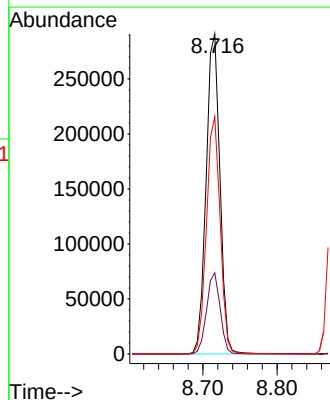
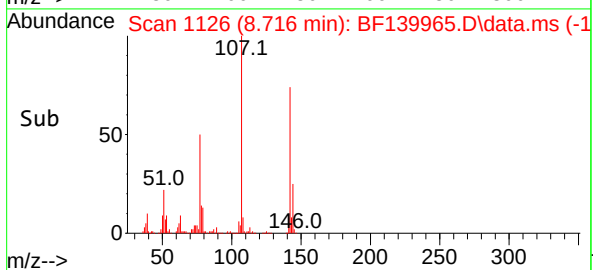
Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

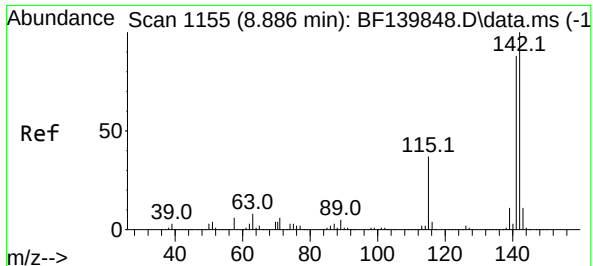


#36
 4-Chloro-3-methylphenol
 Concen: 39.260 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: BF139965.D
 Acq: 23 Oct 2024 15:30



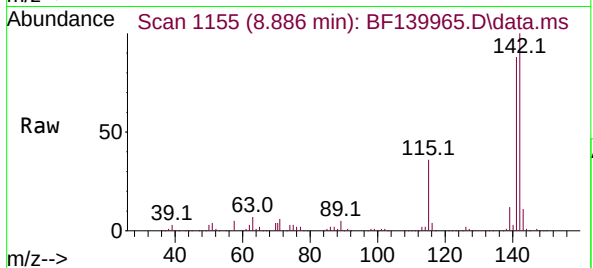
Tgt Ion:107 Resp: 376721
 Ion Ratio Lower Upper
 107 100
 144 25.3 19.1 28.7
 142 74.2 57.2 85.8





#37
2-Methylnaphthalene
Concen: 39.114 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

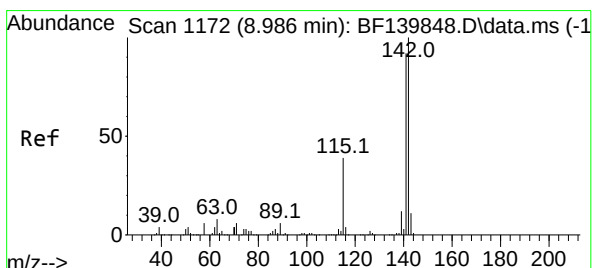
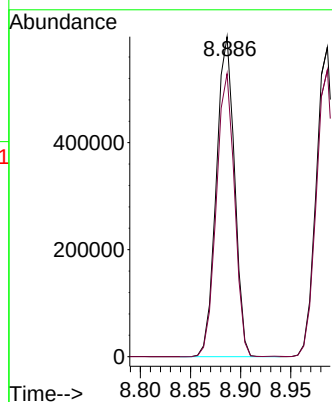
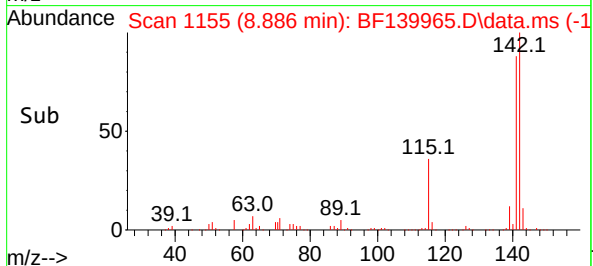
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



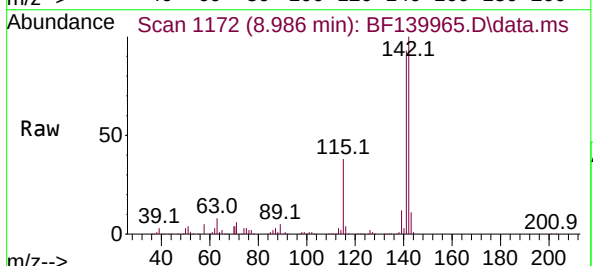
Tgt Ion:142 Resp: 75532
Ion Ratio Lower Upper
142 100
141 88.4 70.8 106.2

Manual Integrations
APPROVED

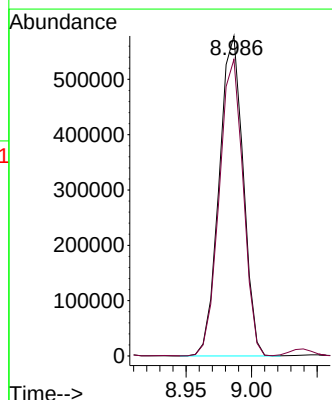
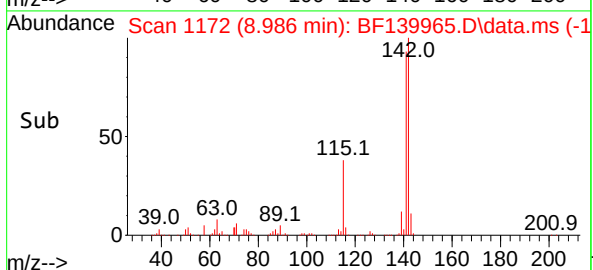
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

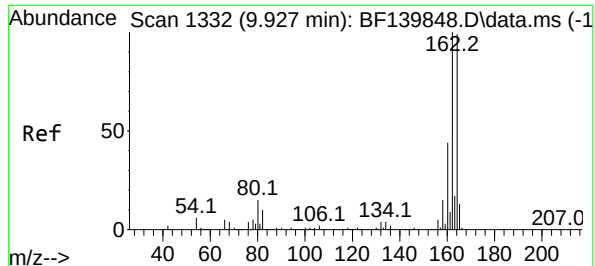


#38
1-Methylnaphthalene
Concen: 38.841 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:142 Resp: 735901
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF139965.D

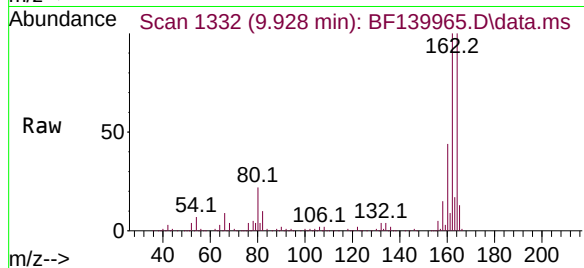
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 340124

Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.4

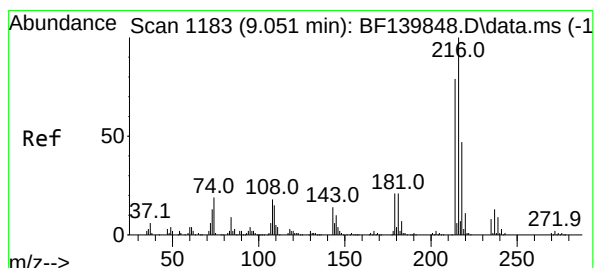
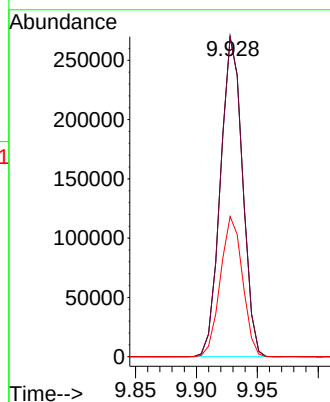
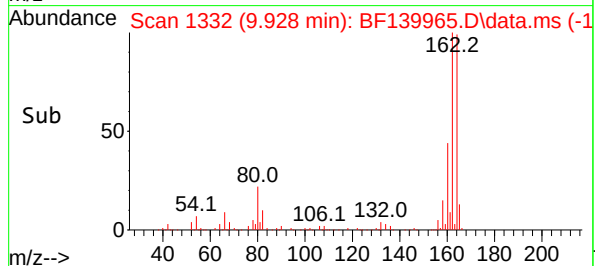
160 43.8 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#40

1,2,4,5-Tetrachlorobenzene

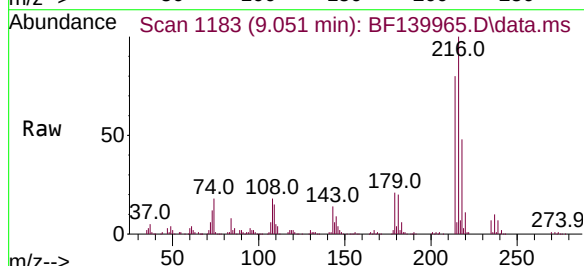
Concen: 40.047 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



Tgt Ion:216 Resp: 367476

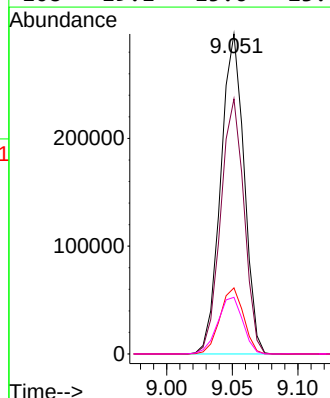
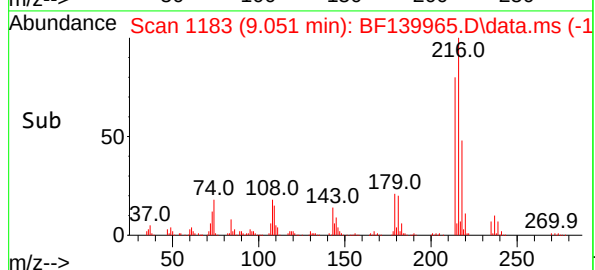
Ion Ratio Lower Upper

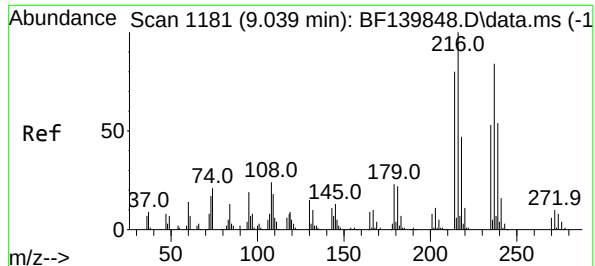
216 100

214 79.5 63.4 95.0

179 20.9 17.2 25.8

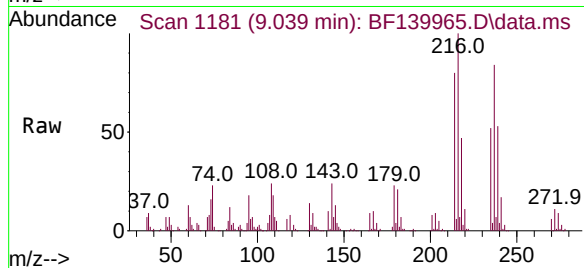
108 19.1 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 41.044 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

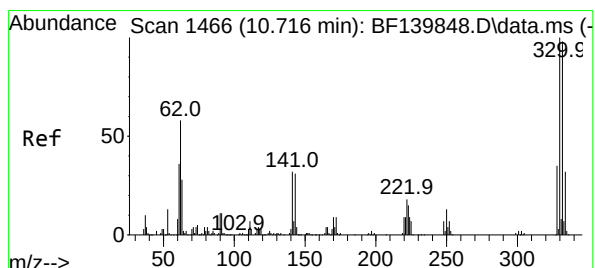
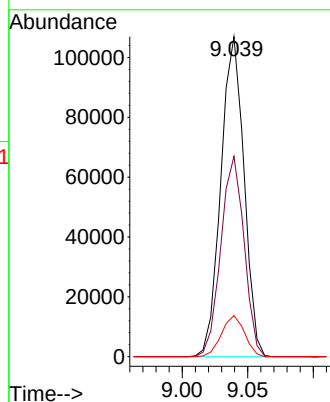
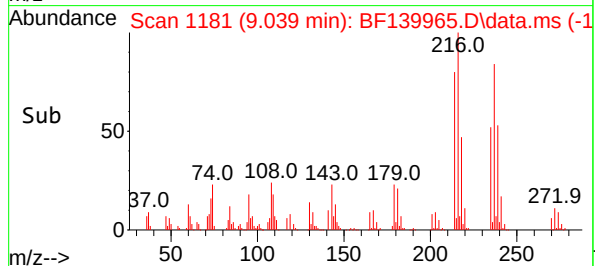
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



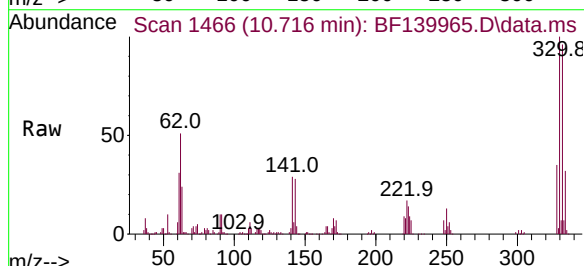
Tgt Ion: 237 Resp: 131040
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 12.8 0.0 32.3

Manual Integrations
APPROVED

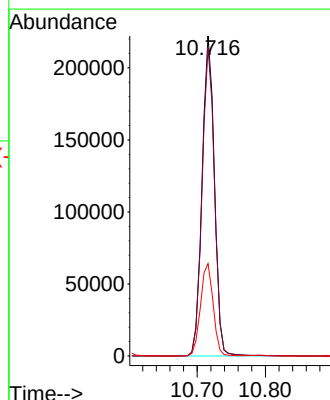
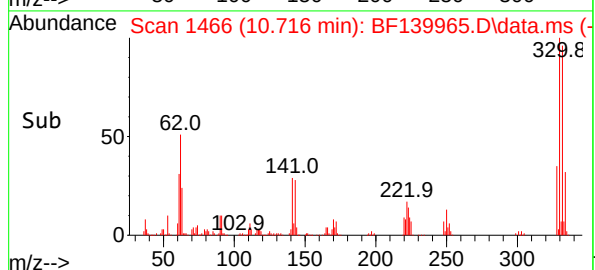
Reviewed By : Yogesh Patel 10/24/2024
Supervised By : mohammad ahmed 10/25/2024

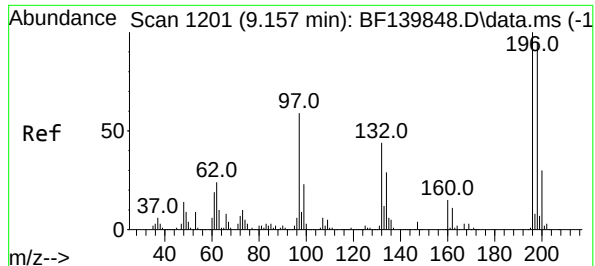


#42
2,4,6-Tribromophenol
Concen: 87.444 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



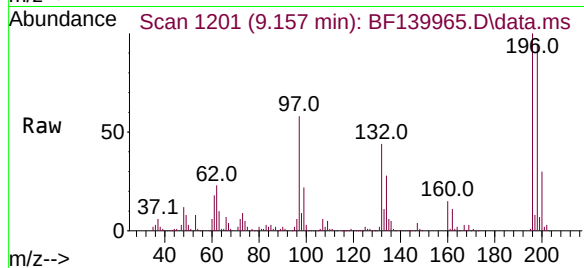
Tgt Ion: 330 Resp: 278197
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 29.7 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 39.893 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

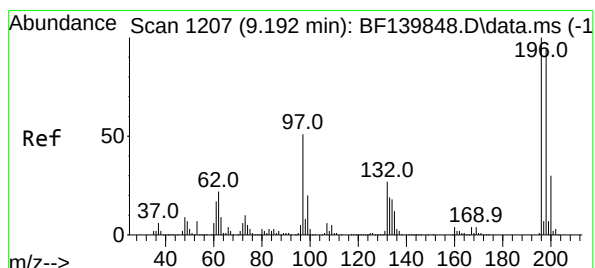
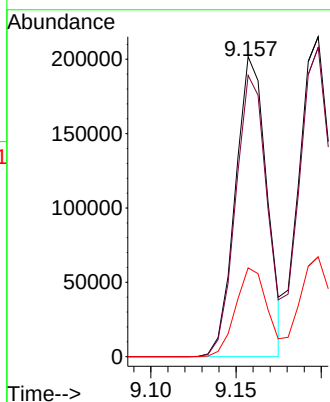
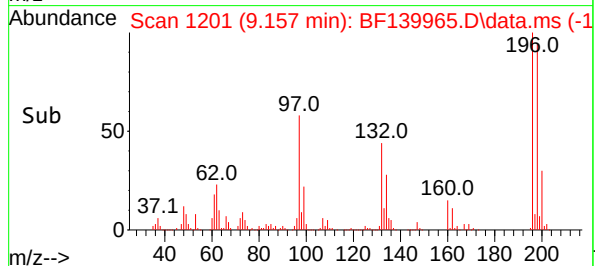
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



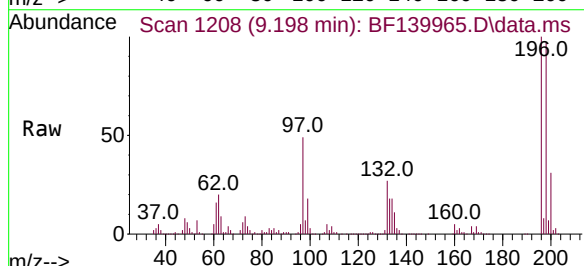
Tgt Ion:196 Resp: 259164
Ion Ratio Lower Upper
196 100
198 93.8 76.2 114.2
200 29.6 24.0 36.0

Manual Integrations
APPROVED

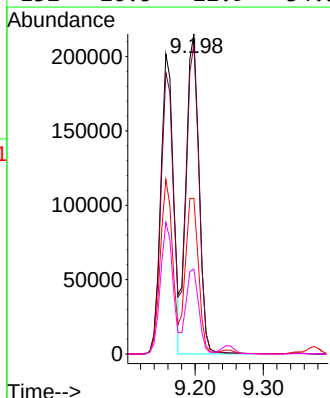
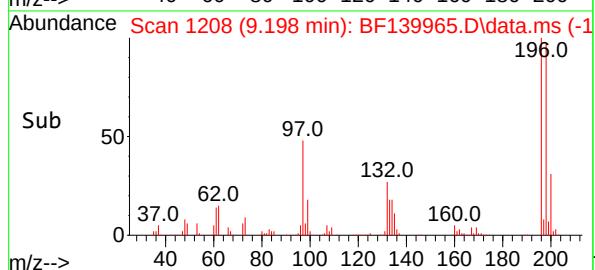
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

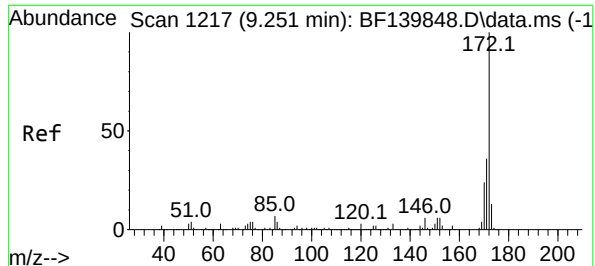


#44
2,4,5-Trichlorophenol
Concen: 42.132 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:196 Resp: 282398
Ion Ratio Lower Upper
196 100
198 96.6 75.8 113.6
97 48.6 41.8 62.6
132 26.5 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 77.274 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1590284

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

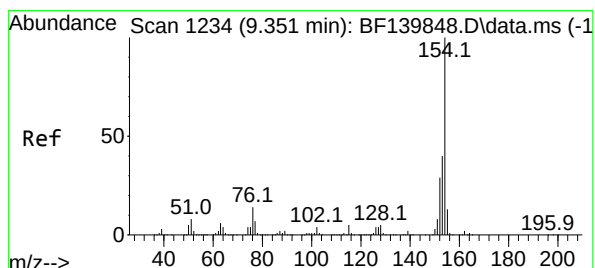
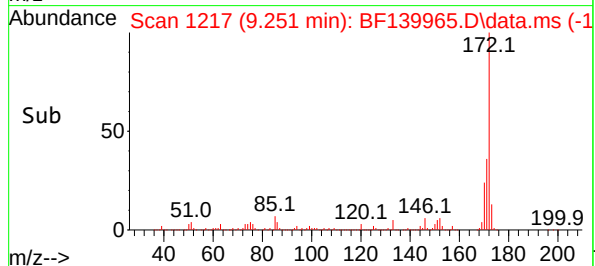
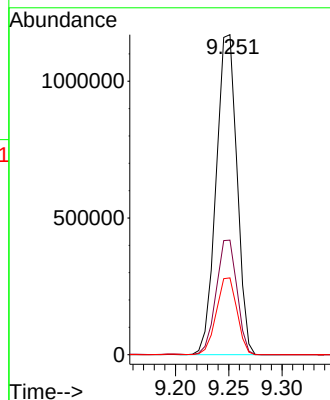
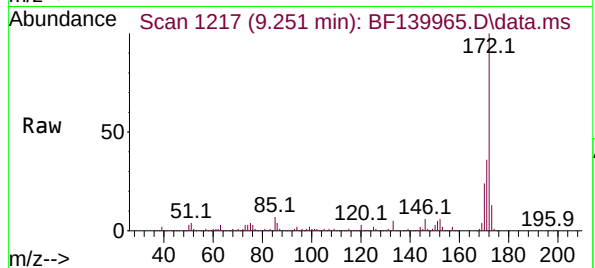
170 24.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#46

1,1'-Biphenyl

Concen: 38.820 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

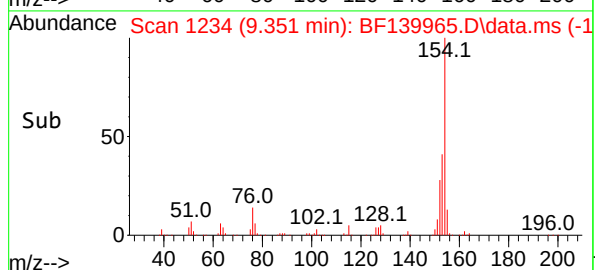
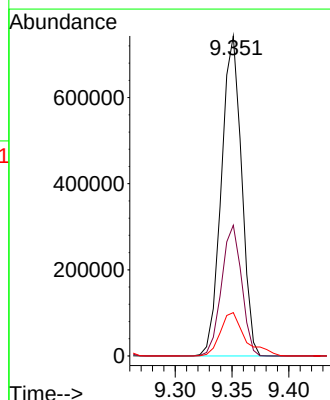
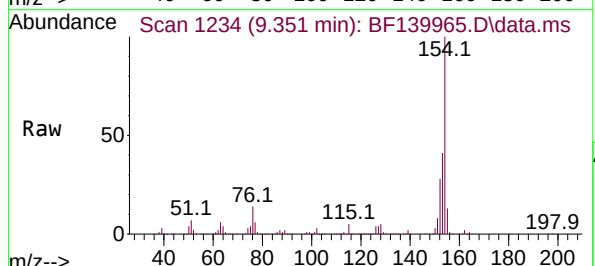
Tgt Ion:154 Resp: 919167

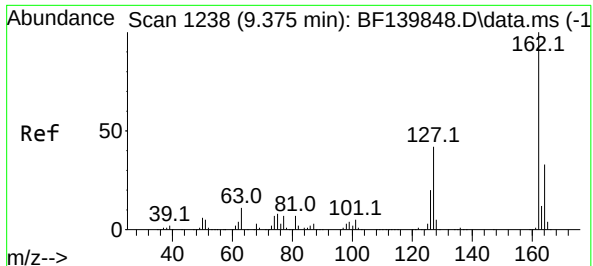
Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

76 13.5 0.0 33.9





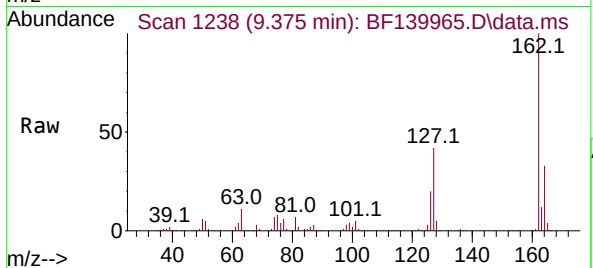
#47
2-Chloronaphthalene
Concen: 39.125 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

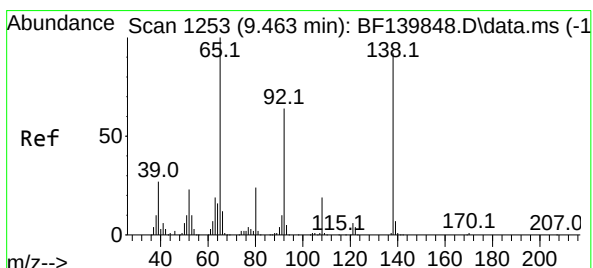
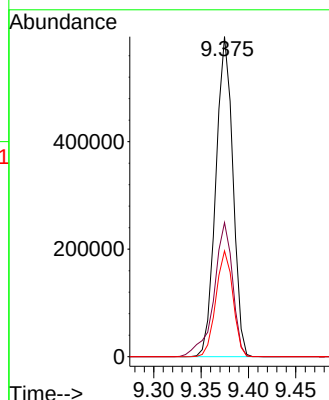


Tgt Ion:162 Resp: 74612
Ion Ratio Lower Upper
162 100
127 41.9 33.8 50.6
164 33.0 26.6 39.8

Manual Integrations

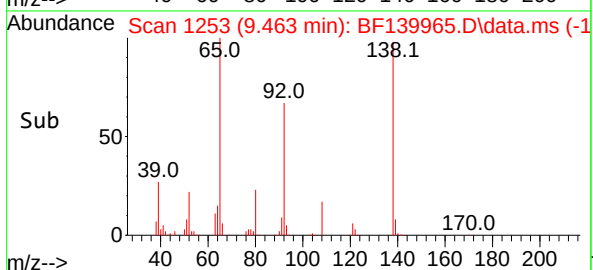
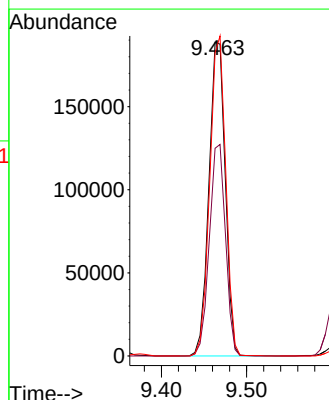
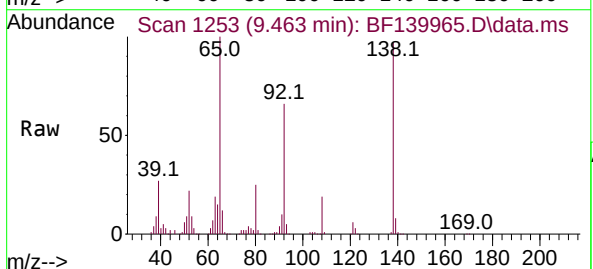
APPROVED

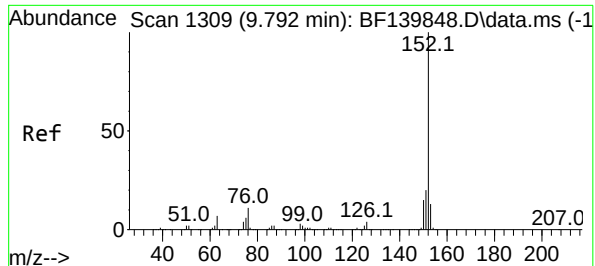
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#48
2-Nitroaniline
Concen: 43.073 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion: 65 Resp: 251224
Ion Ratio Lower Upper
65 100
92 66.2 50.9 76.3
138 96.6 73.4 110.0





#49

Acenaphthylene

Concen: 39.178 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139965.D

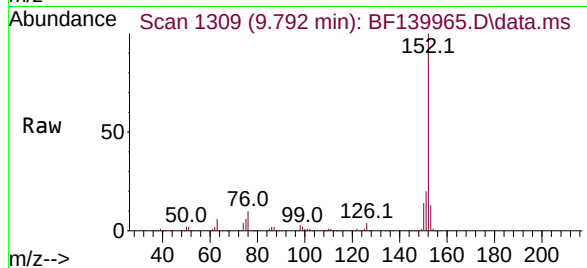
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 1080134

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

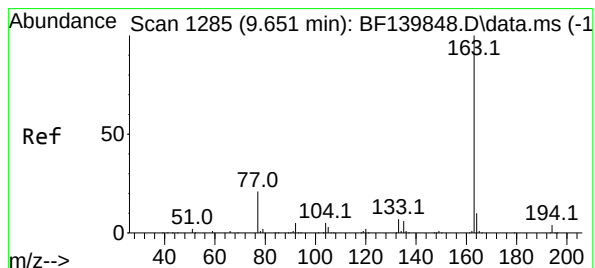
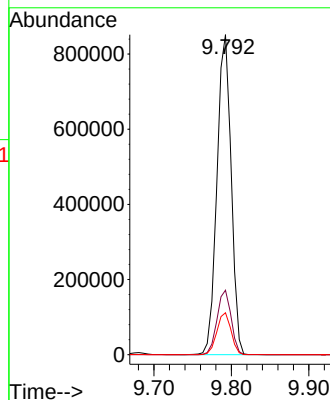
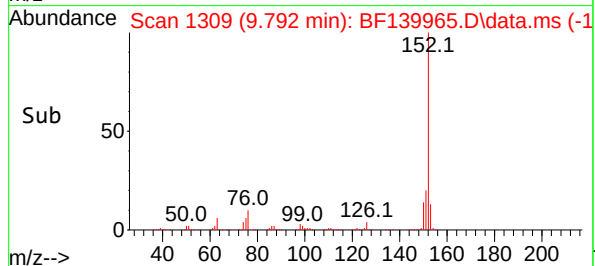
153 13.1 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#50

Dimethylphthalate

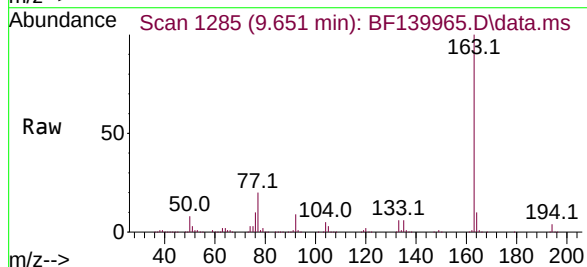
Concen: 39.360 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



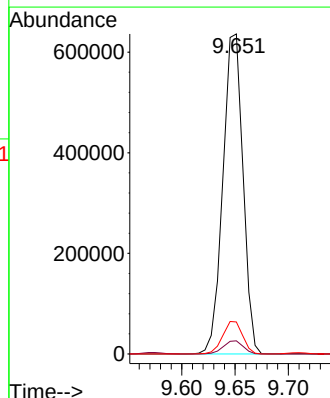
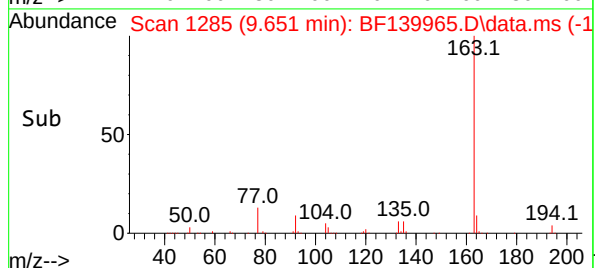
Tgt Ion:163 Resp: 833862

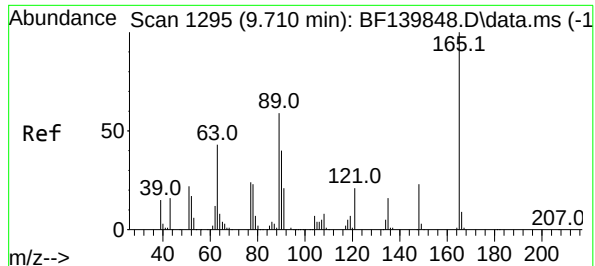
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 42.888 ng

RT: 9.710 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 196730

Ion Ratio Lower Upper

165 100

63 58.4 50.6 75.8

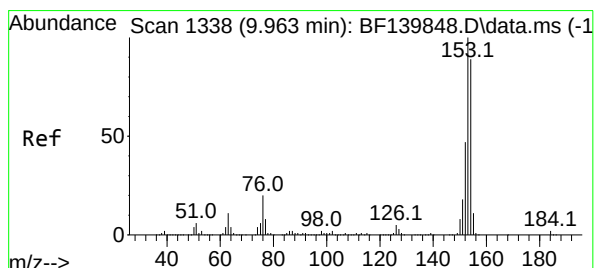
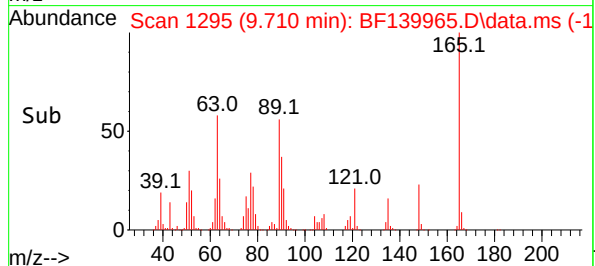
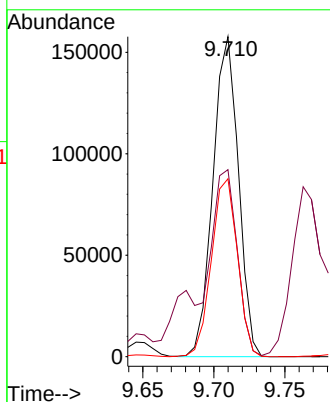
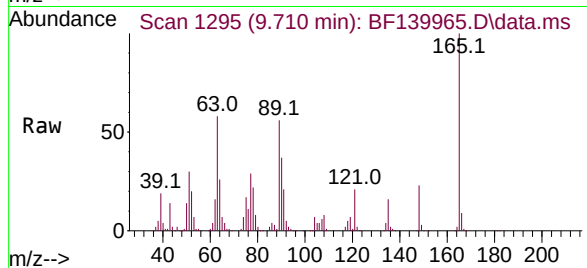
89 55.6 47.5 71.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#52

Acenaphthene

Concen: 40.088 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

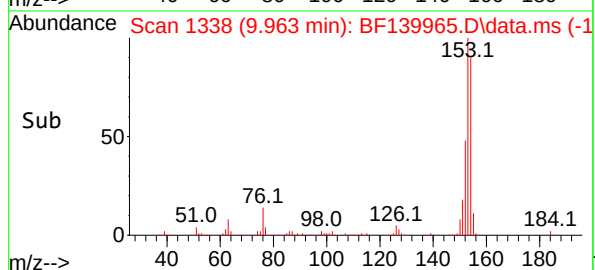
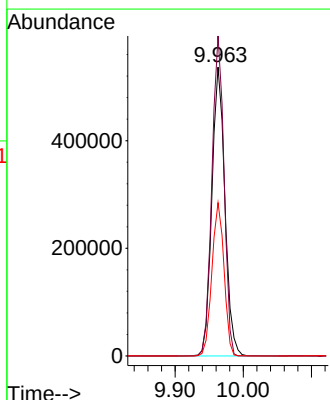
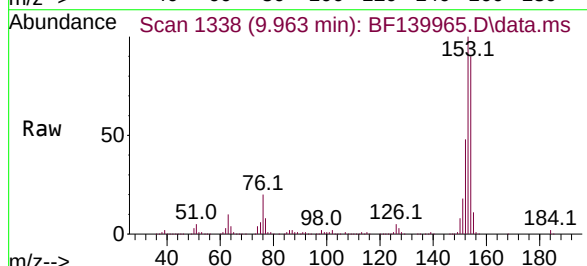
Tgt Ion:154 Resp: 714969

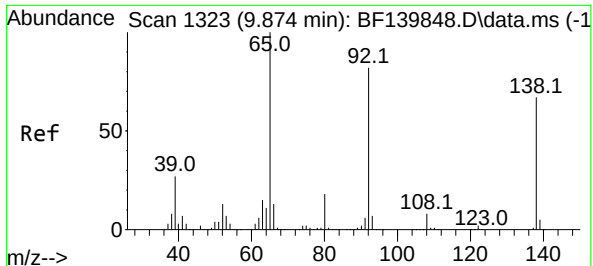
Ion Ratio Lower Upper

154 100

153 110.8 89.8 134.6

152 53.1 42.4 63.6





#53

3-Nitroaniline

Concen: 41.975 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 198559

Ion Ratio Lower Upper

138 100

108 11.3 10.2 15.2

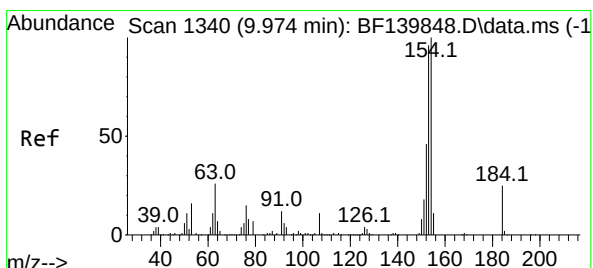
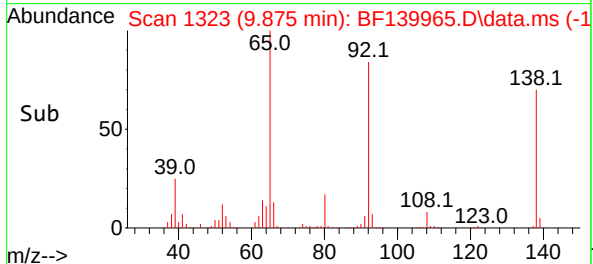
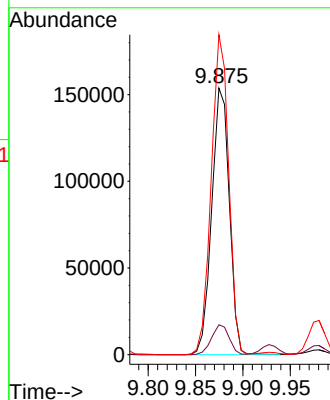
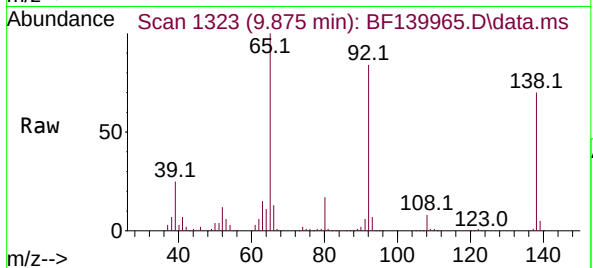
92 120.1 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#54

2,4-Dinitrophenol

Concen: 52.057 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.007 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

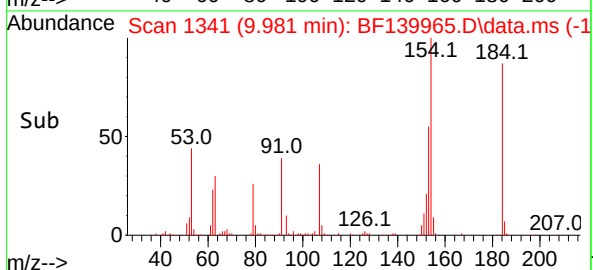
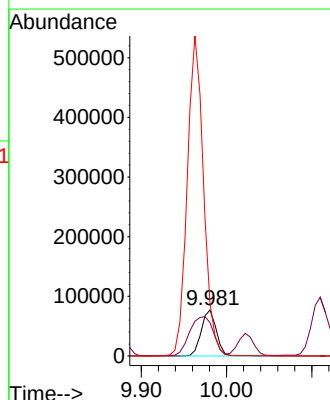
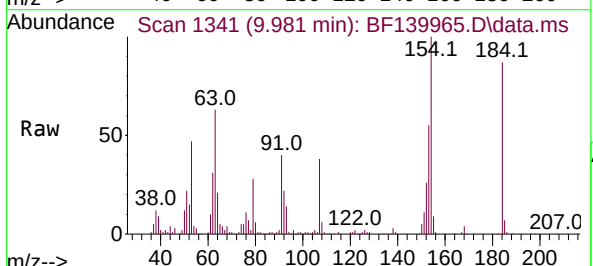
Tgt Ion:184 Resp: 94482

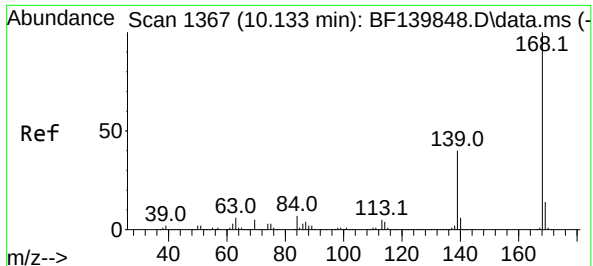
Ion Ratio Lower Upper

184 100

63 72.8 84.7 127.1#

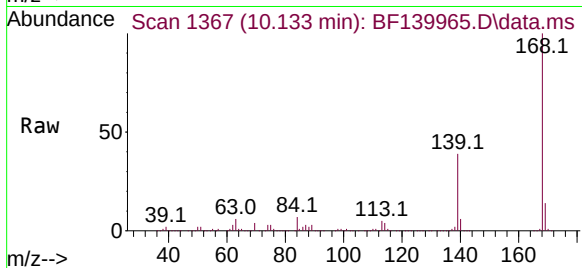
154 115.3 338.2 507.2#





#55
Dibenzofuran
Concen: 38.748 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

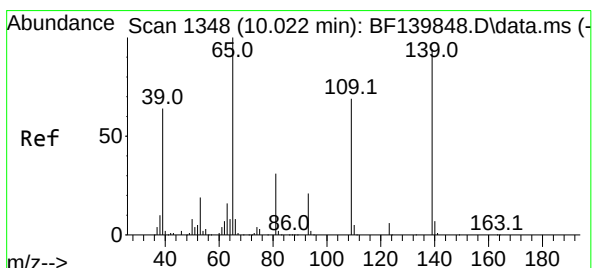
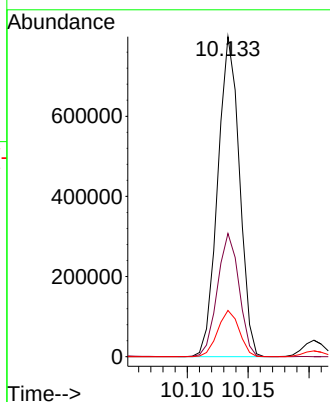
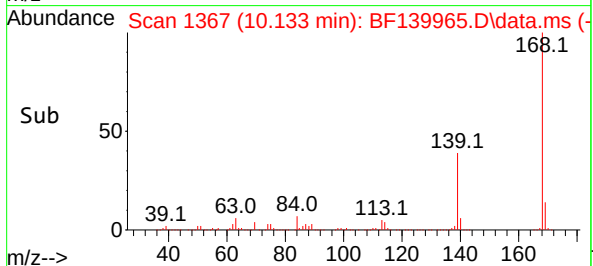
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 991500
Ion Ratio Lower Upper
168 100
139 38.5 31.8 47.6
169 14.5 11.6 17.4

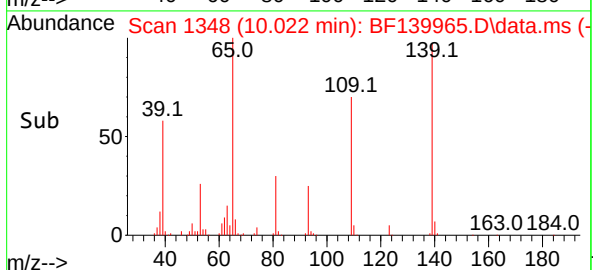
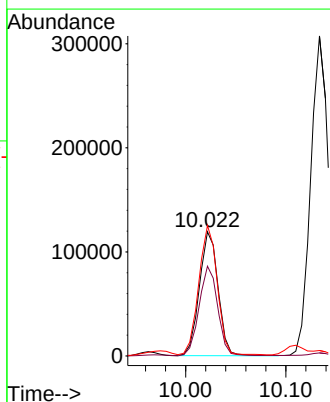
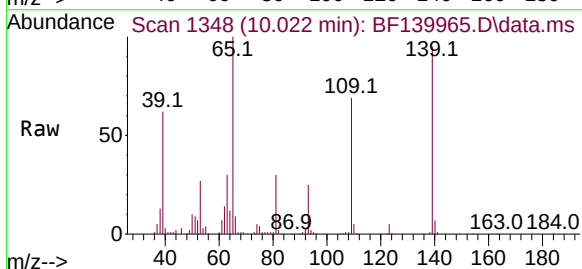
Manual Integrations
APPROVED

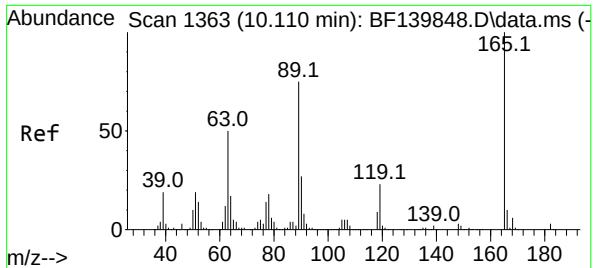
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#56
4-Nitrophenol
Concen: 42.690 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:139 Resp: 155364
Ion Ratio Lower Upper
139 100
109 72.3 53.6 93.6
65 105.2 87.8 127.8





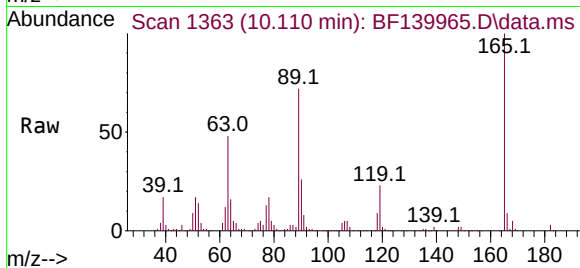
#57
2,4-Dinitrotoluene
Concen: 45.716 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

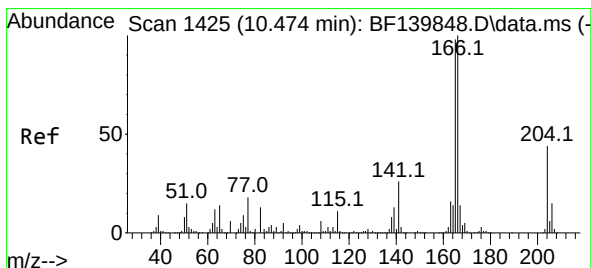
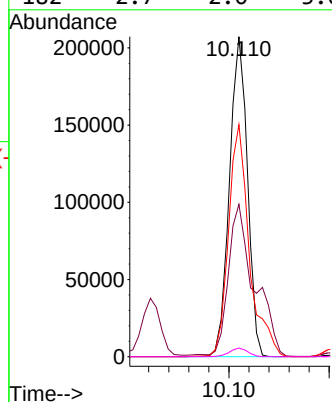
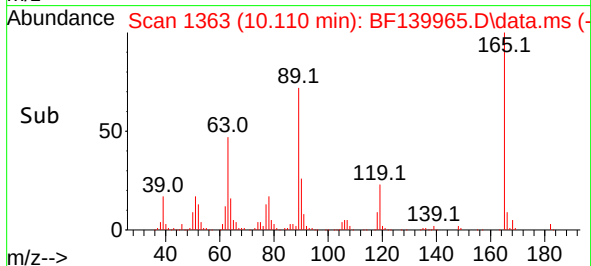


Tgt Ion:165 Resp: 257878
Ion Ratio Lower Upper
165 100
63 47.6 40.1 60.1
89 72.5 60.4 90.6
182 2.7 2.0 3.0

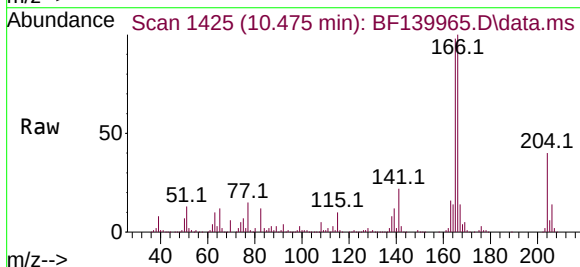
Manual Integrations

APPROVED

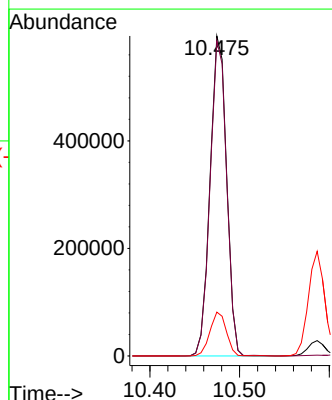
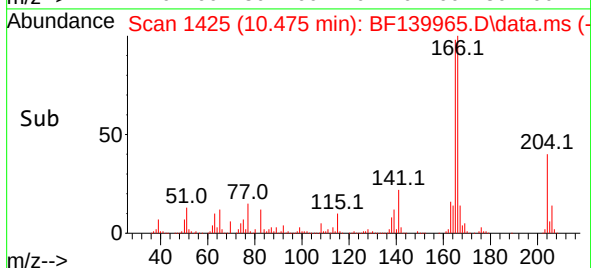
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

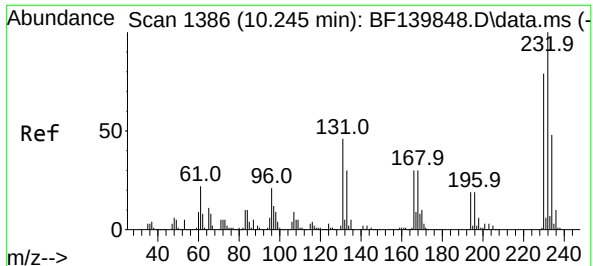


#58
Fluorene
Concen: 39.027 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



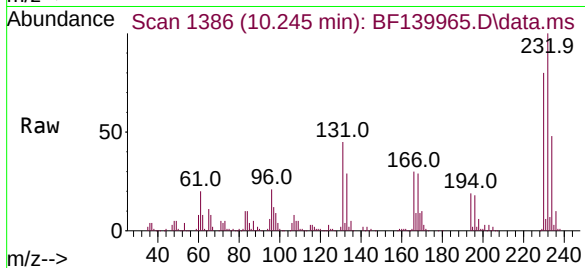
Tgt Ion:166 Resp: 760625
Ion Ratio Lower Upper
166 100
165 98.4 78.5 117.7
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.916 ng
RT: 10.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

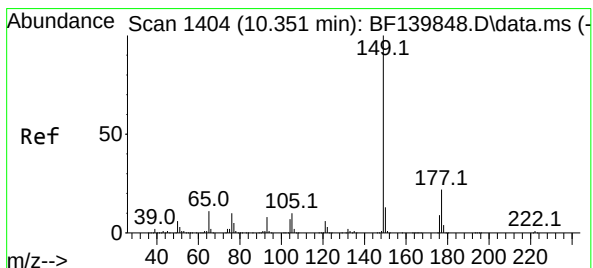
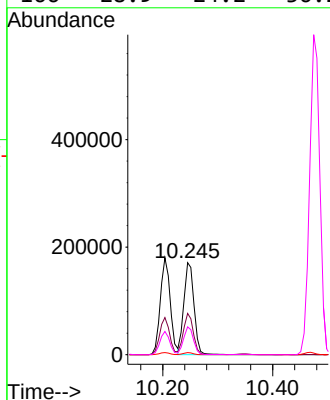
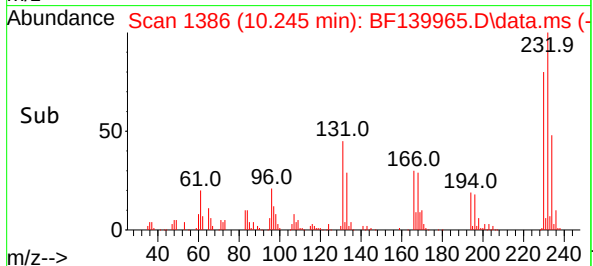
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 22024
Ion Ratio Lower Upper
232 100
131 43.2 37.0 55.6
130 2.1 1.9 2.9
166 28.9 24.2 36.2

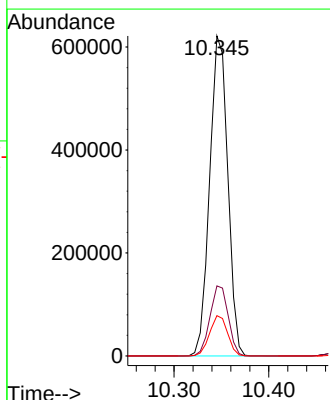
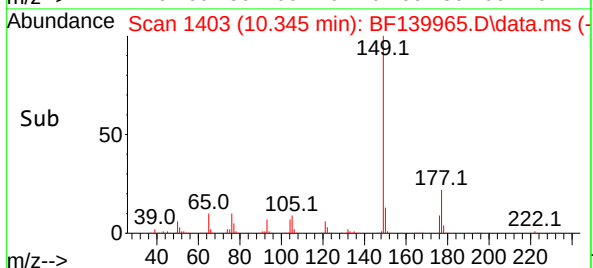
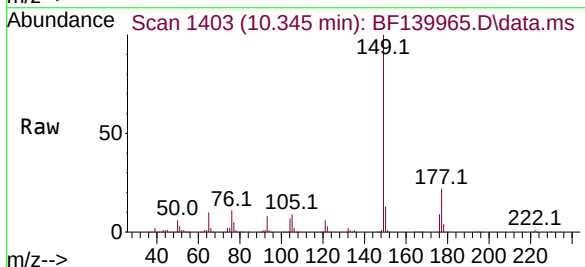
Manual Integrations
APPROVED

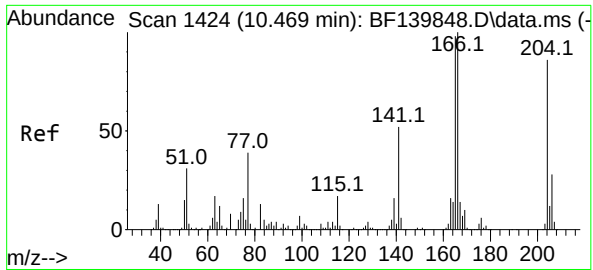
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#60
Diethylphthalate
Concen: 39.586 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:149 Resp: 823444
Ion Ratio Lower Upper
149 100
177 21.9 17.9 26.9
150 12.6 10.1 15.1





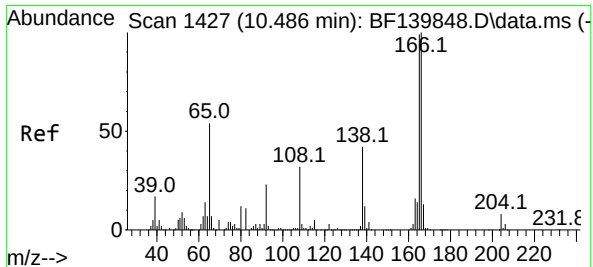
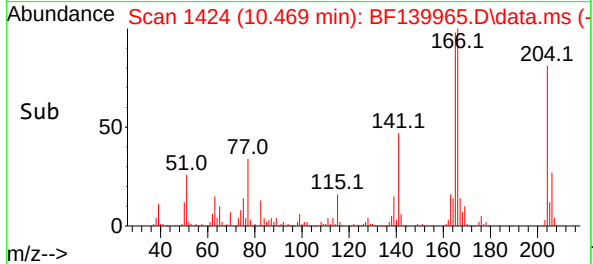
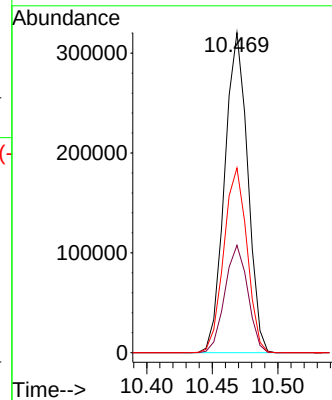
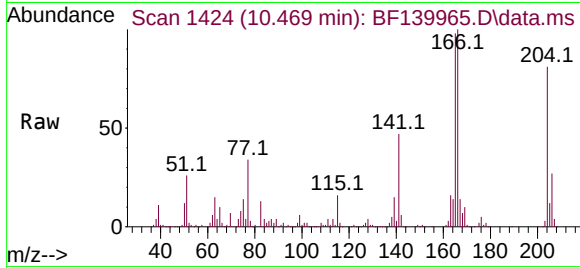
#61
4-Chlorophenyl-phenylether
Concen: 39.685 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 390590
Ion Ratio Lower Upper
204 100
206 33.6 26.3 39.5
141 57.7 48.6 73.0

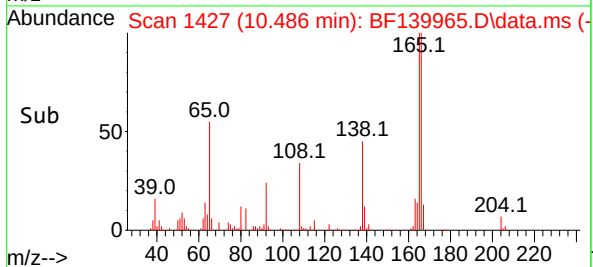
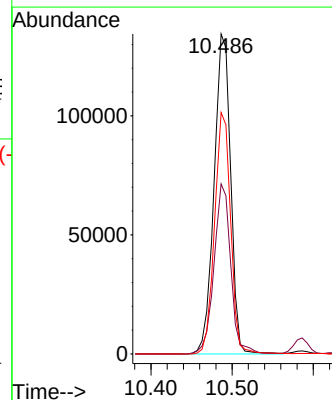
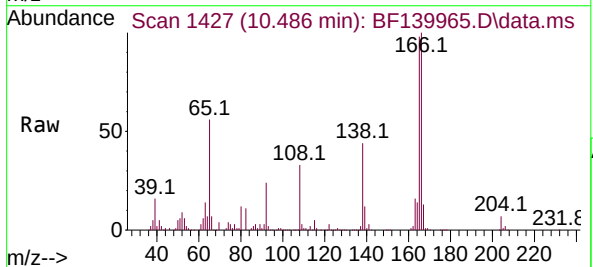
Manual Integrations
APPROVED

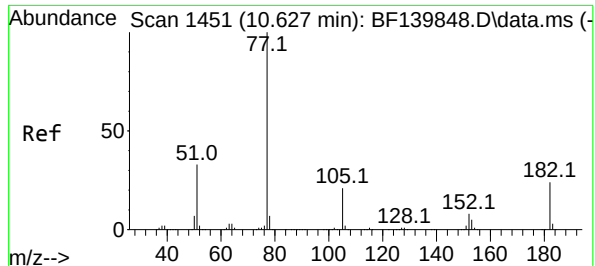
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#62
4-Nitroaniline
Concen: 42.606 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:138 Resp: 190350
Ion Ratio Lower Upper
138 100
92 53.2 35.7 75.7
108 75.4 57.5 97.5





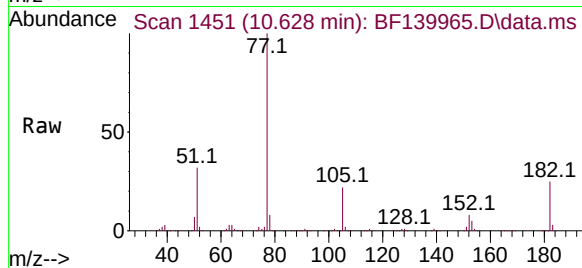
#63
Azobenzene
Concen: 37.820 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

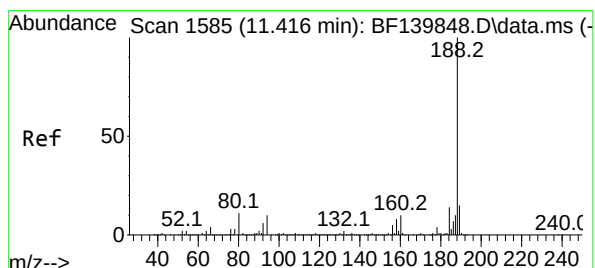
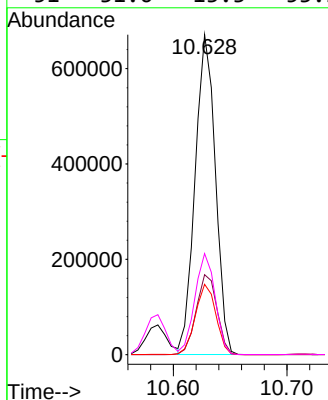
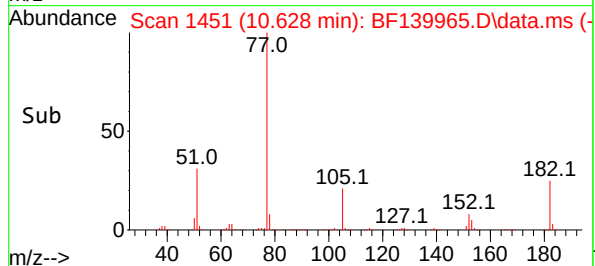


Tgt Ion: 77 Resp: 834020
Ion Ratio Lower Upper
77 100
182 25.0 3.3 43.3
105 22.0 1.2 41.2
51 31.6 13.3 53.3

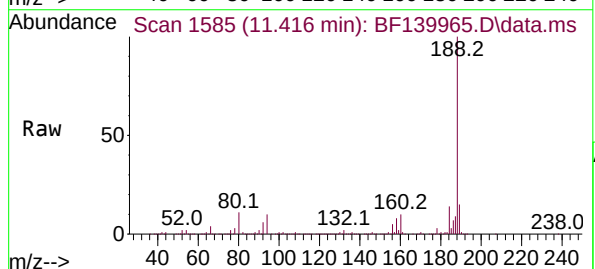
Manual Integrations

APPROVED

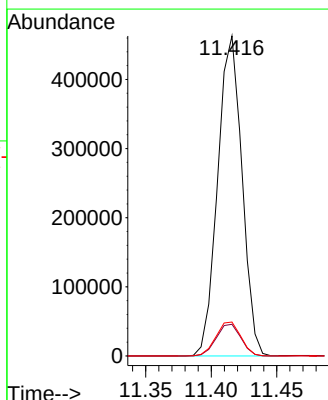
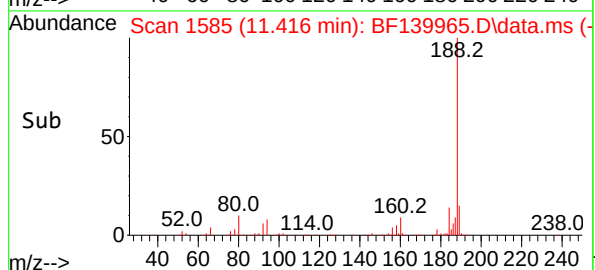
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

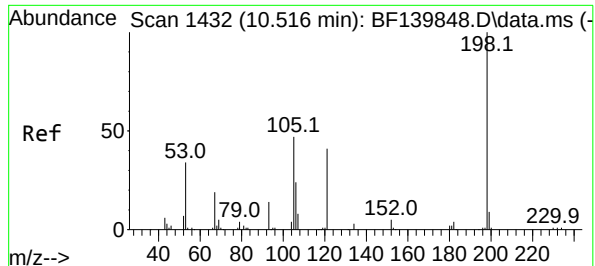


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



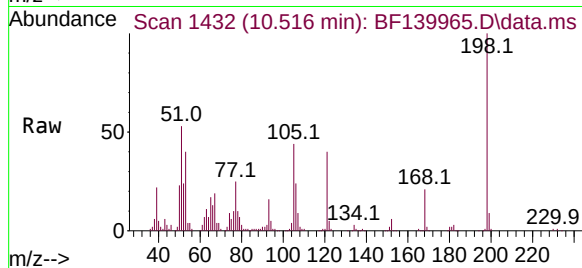
Tgt Ion:188 Resp: 597021
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.6 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.698 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

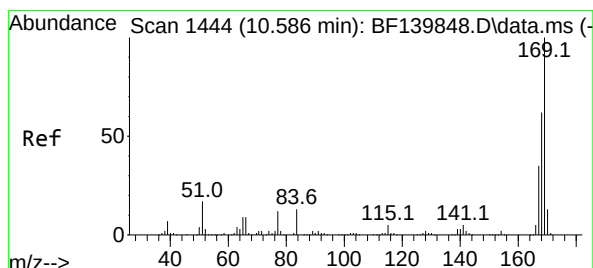
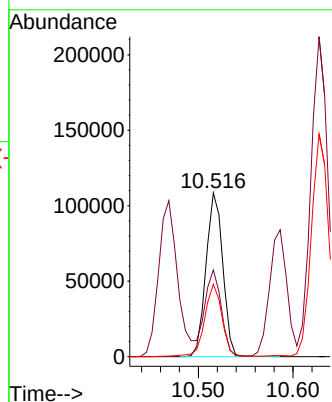
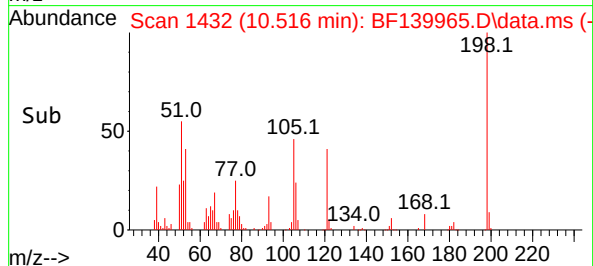
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



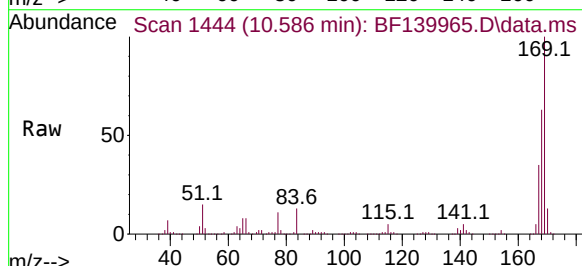
Tgt Ion:198 Resp: 133200
Ion Ratio Lower Upper
198 100
51 52.9 38.2 78.2
105 44.2 27.9 67.9

Manual Integrations
APPROVED

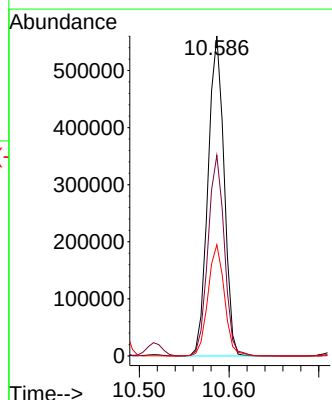
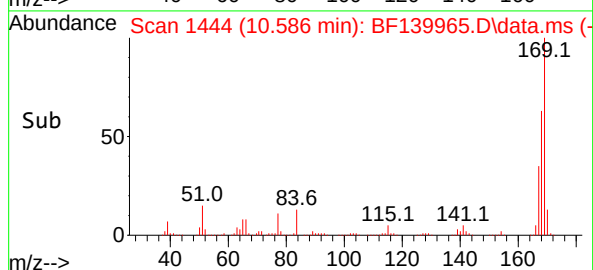
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

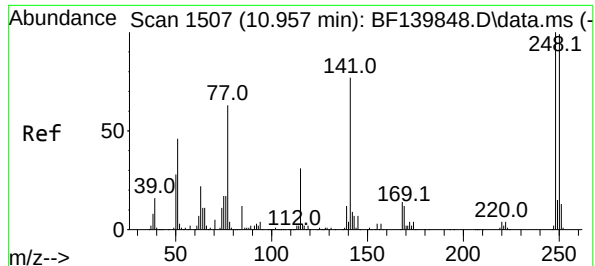


#66
n-Nitrosodiphenylamine
Concen: 38.988 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:169 Resp: 696657
Ion Ratio Lower Upper
169 100
168 62.7 49.8 74.6
167 34.7 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 40.878 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

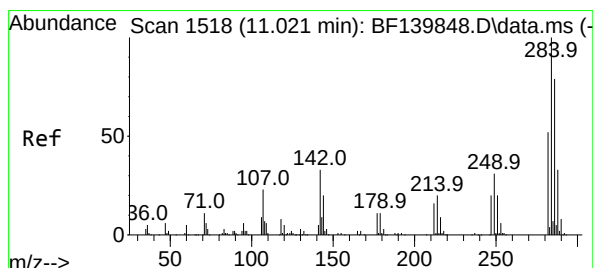
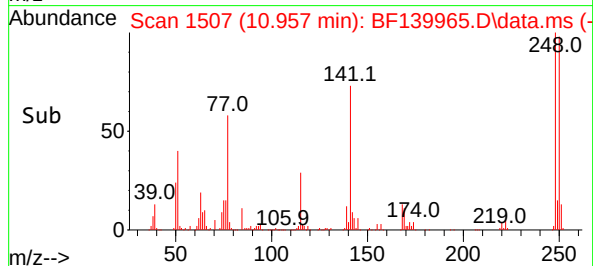
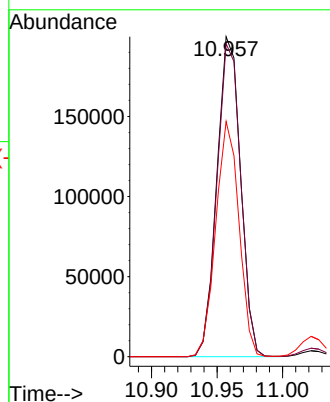
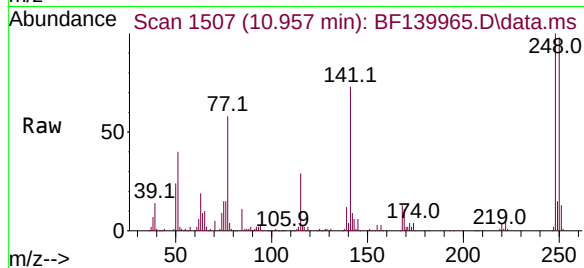
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.8	79.0	118.6
141	73.5	61.7	92.5

Manual Integrations

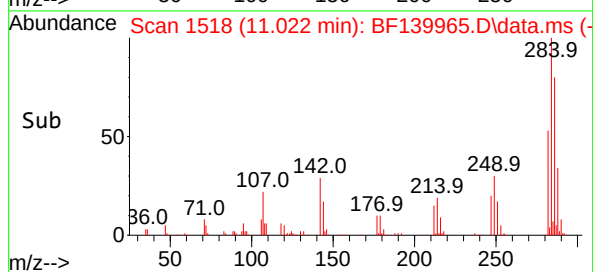
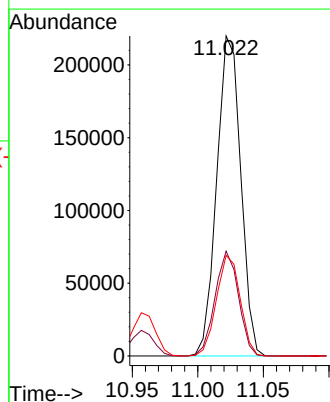
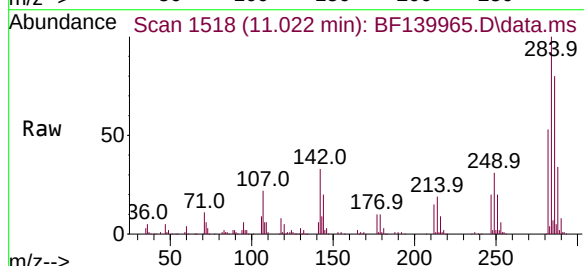
APPROVED

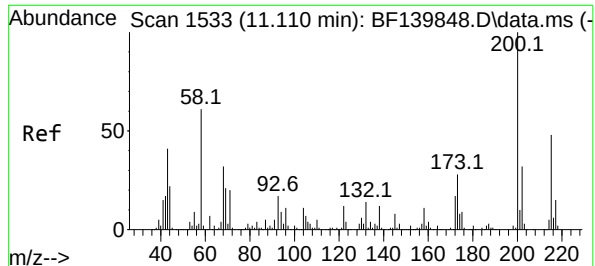
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#68
Hexachlorobenzene
Concen: 40.396 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.8	26.9	40.3
249	31.5	25.3	37.9





#69

Atrazine

Concen: 40.949 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 19820

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

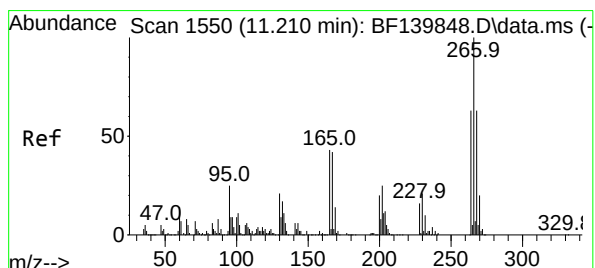
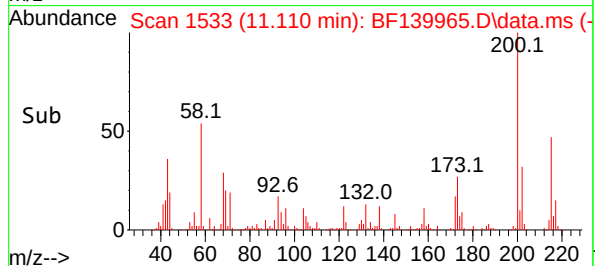
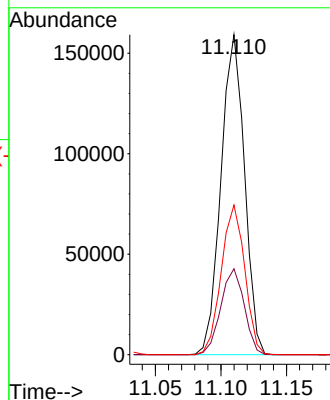
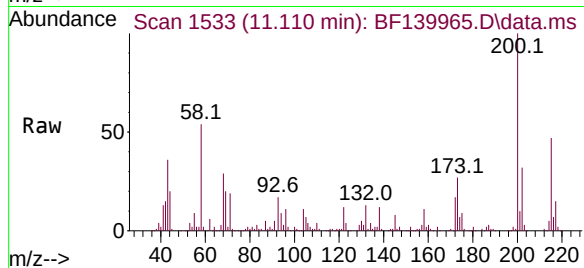
215 46.7 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#70

Pentachlorophenol

Concen: 44.591 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

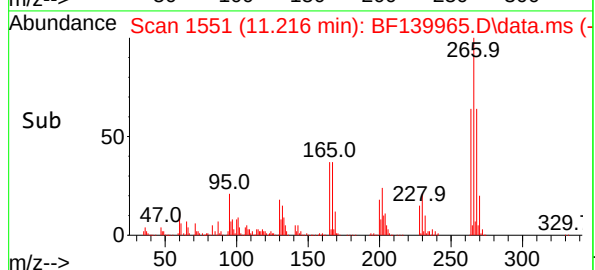
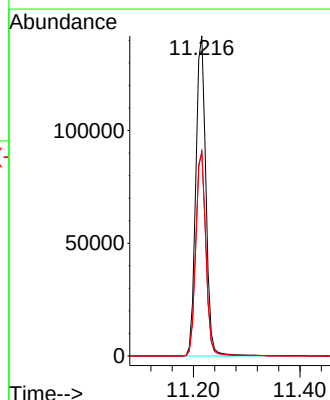
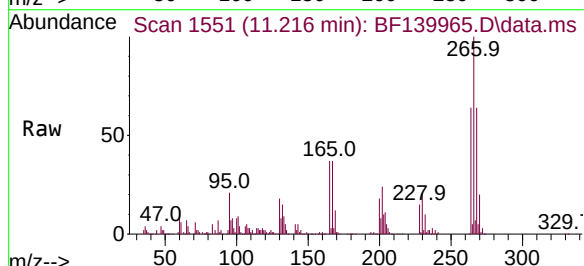
Tgt Ion:266 Resp: 187195

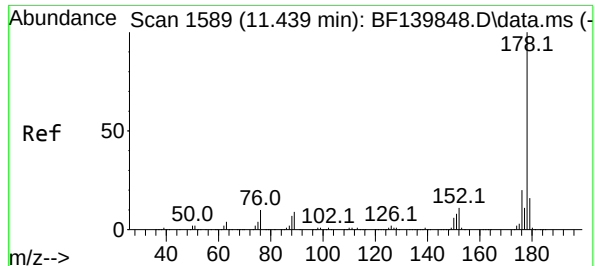
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

264 63.7 50.6 75.8





#71
Phenanthrene
Concen: 38.958 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

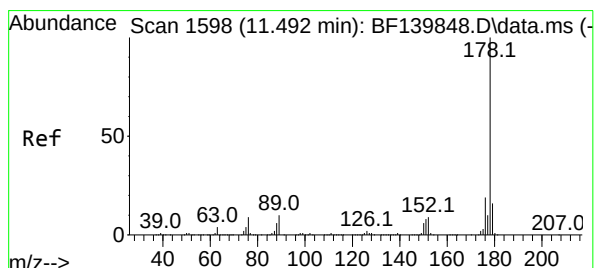
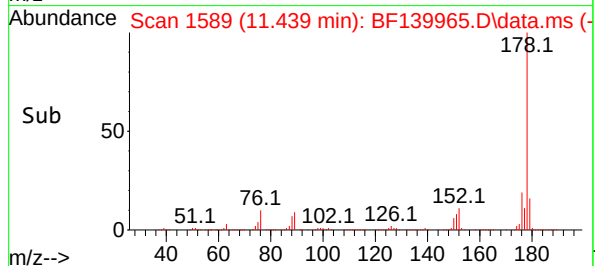
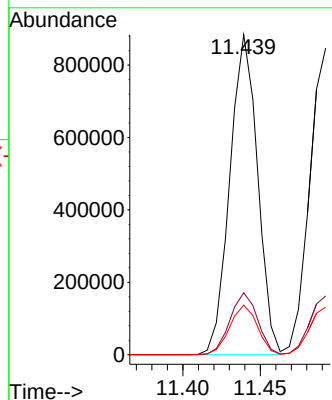
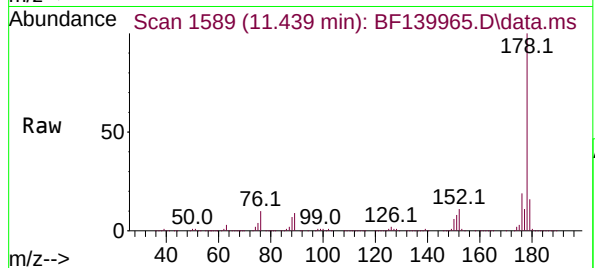
SSTDCCC040

Tgt Ion:178 Resp: 1098649
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.5 12.6 18.8

Manual Integrations

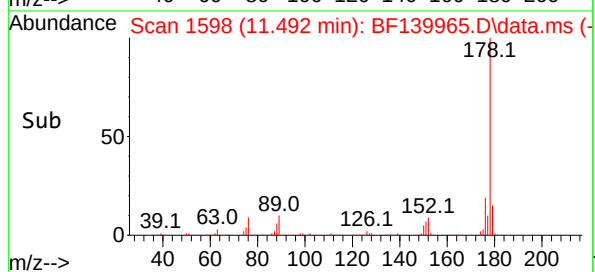
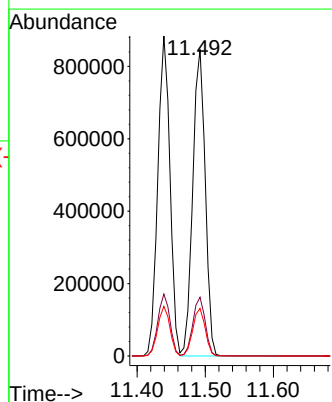
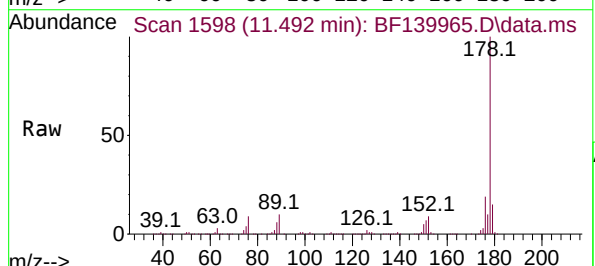
APPROVED

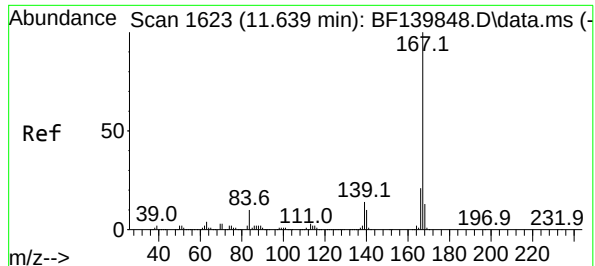
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#72
Anthracene
Concen: 38.790 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:178 Resp: 1067309
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.4 18.6





#73

Carbazole

Concen: 38.049 ng

RT: 11.645 min Scan# 1623

Delta R.T. 0.006 min

Lab File: BF139965.D

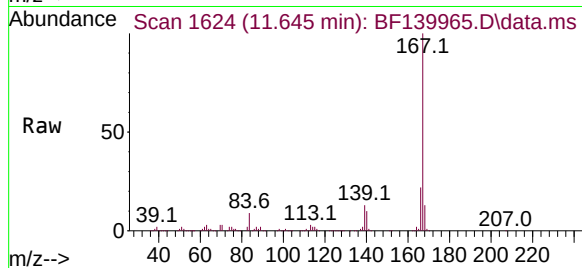
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:167 Resp: 97364

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

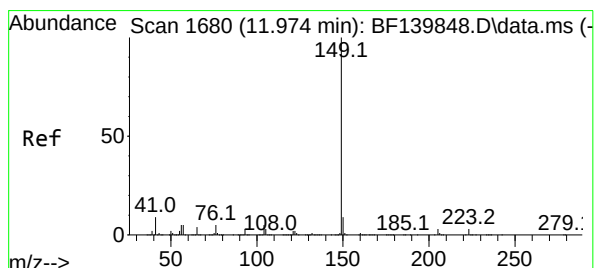
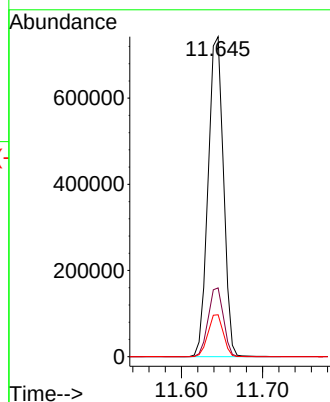
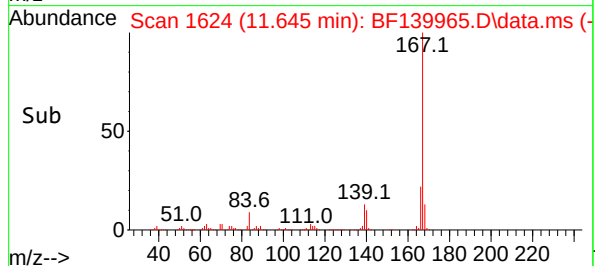
139 13.1 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#74

Di-n-butylphthalate

Concen: 38.625 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

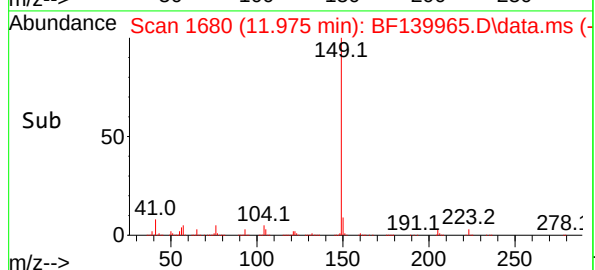
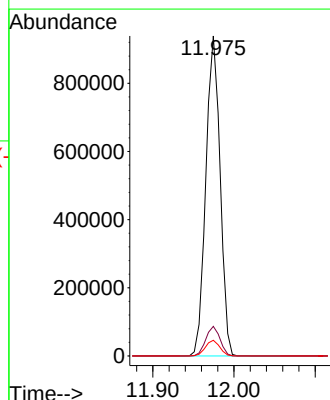
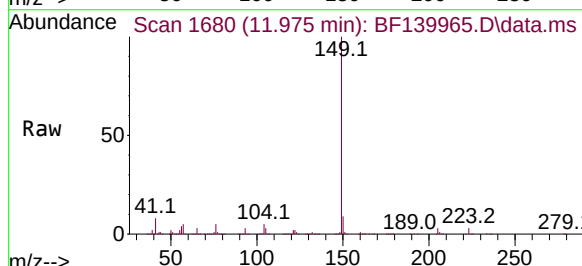
Tgt Ion:149 Resp: 1141943

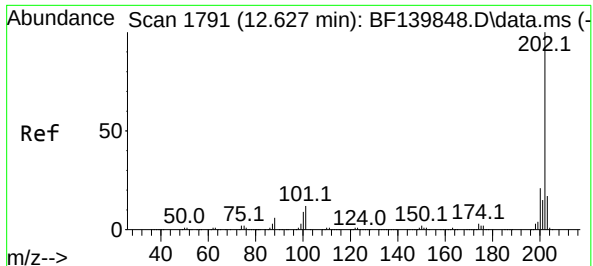
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.9 4.1 6.1





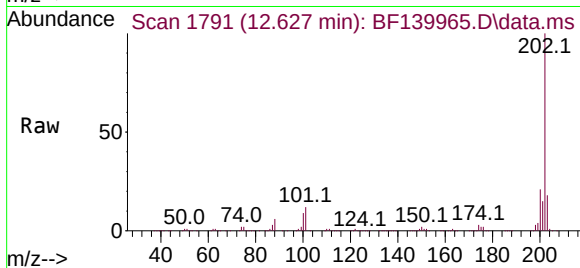
#75
Fluoranthene
Concen: 37.408 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



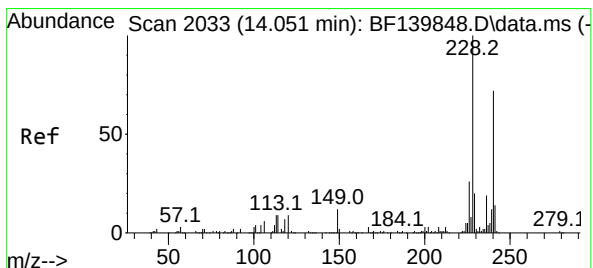
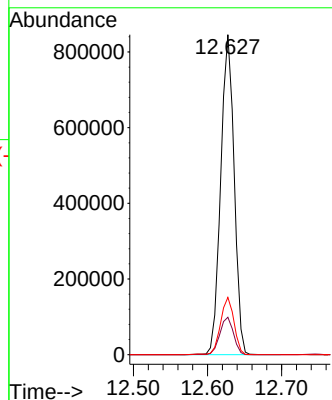
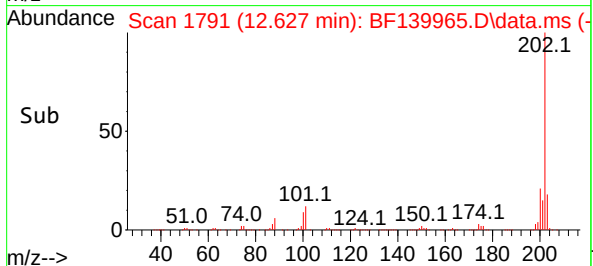
Tgt Ion:202 Resp: 1066450
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.9 0.0 37.5

Manual Integrations

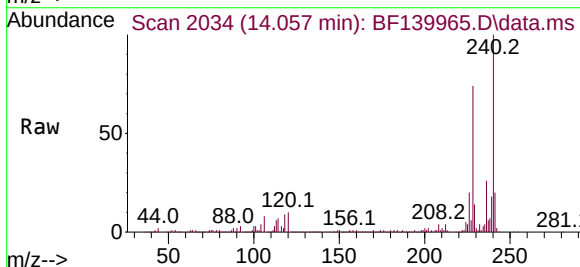
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

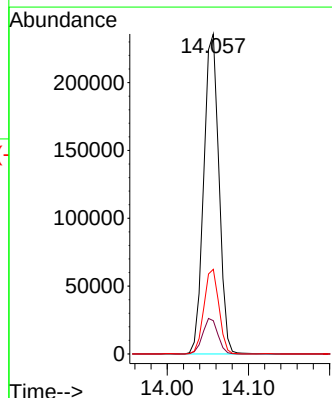
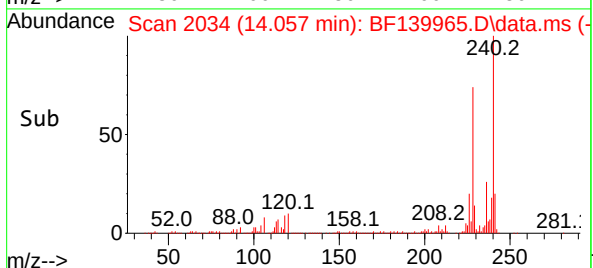
Supervised By :mohammad ahmed 10/25/2024

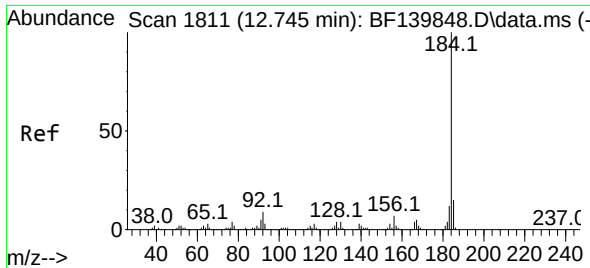


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



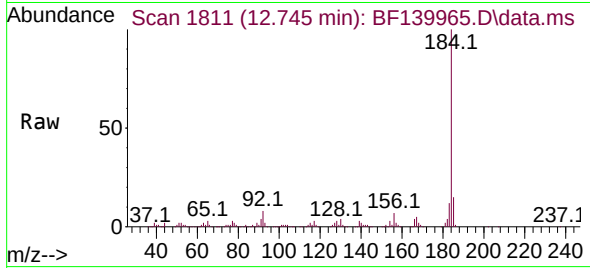
Tgt Ion:240 Resp: 306092
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.5 20.9 31.3





#77
Benzidine
Concen: 62.699 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

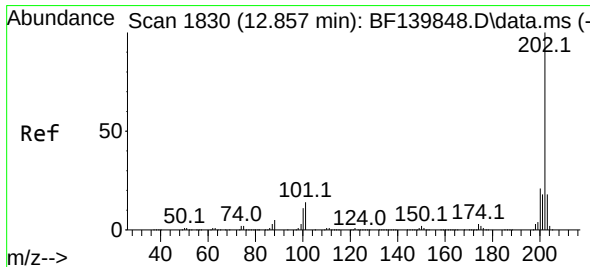
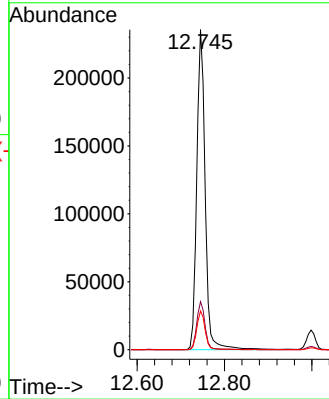
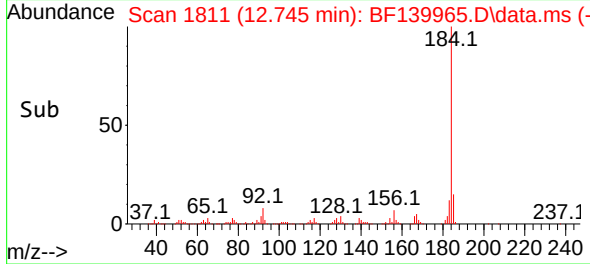
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 31557
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 12.1 9.4 14.2

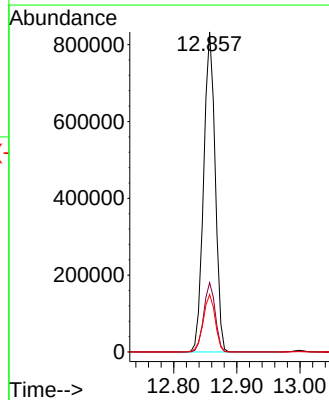
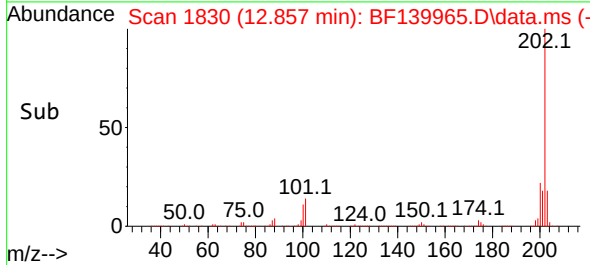
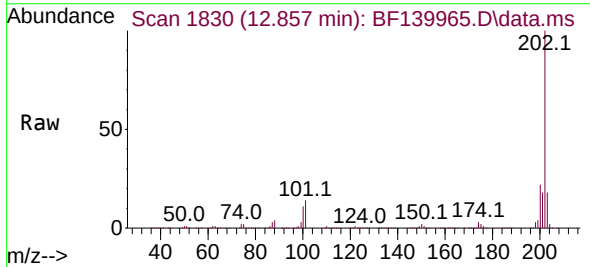
Manual Integrations
APPROVED

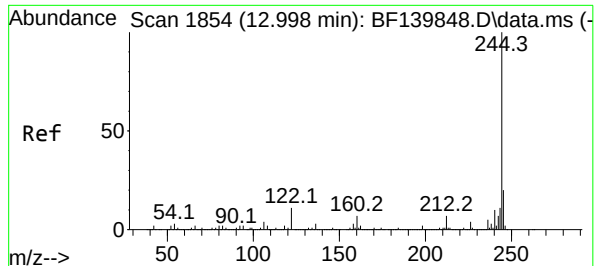
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#78
Pyrene
Concen: 39.552 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:202 Resp: 1059713
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 80.002 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 150280

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

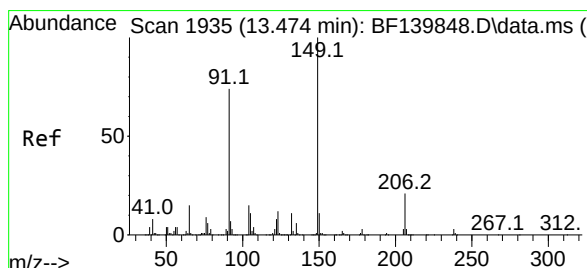
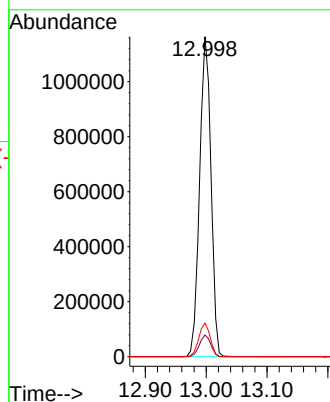
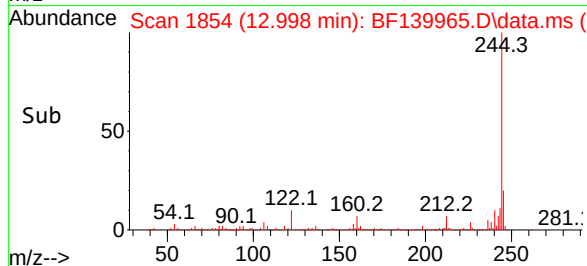
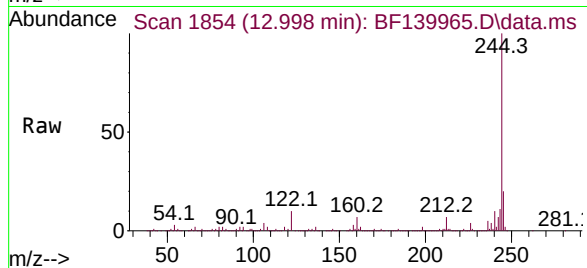
122 10.5 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#80

Butylbenzylphthalate

Concen: 41.146 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

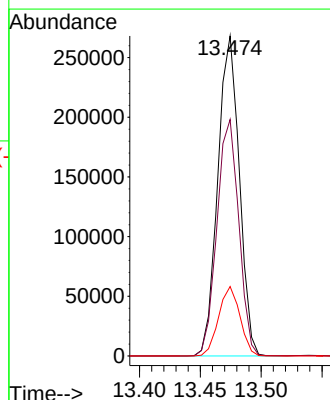
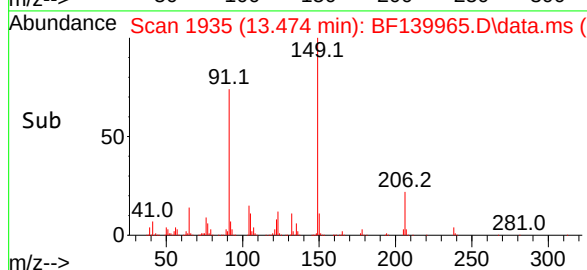
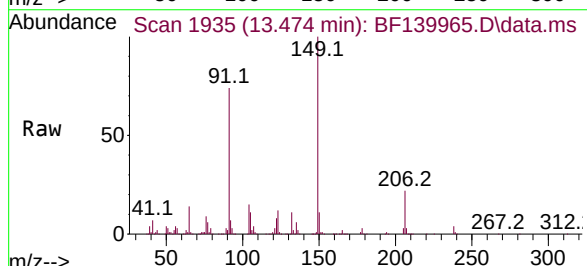
Tgt Ion:149 Resp: 330514

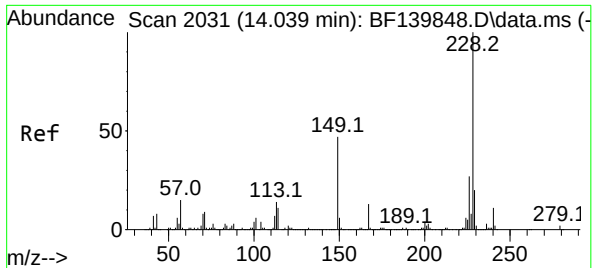
Ion Ratio Lower Upper

149 100

91 73.9 59.4 89.2

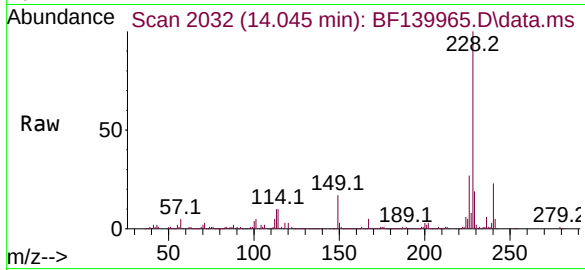
206 21.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 39.712 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

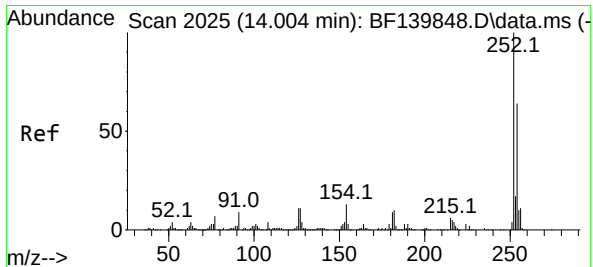
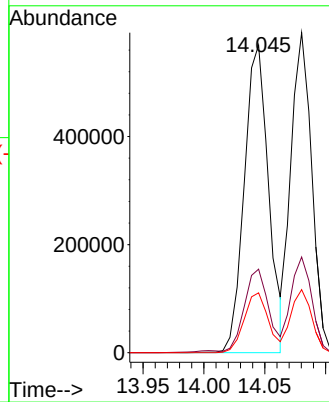
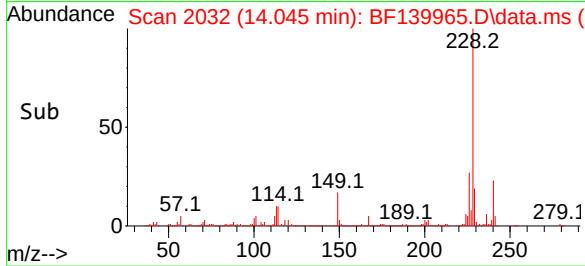
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



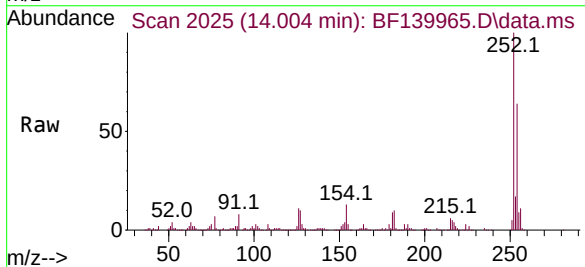
Tgt Ion:228 Resp: 791290
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 19.4 16.1 24.1

Manual Integrations
APPROVED

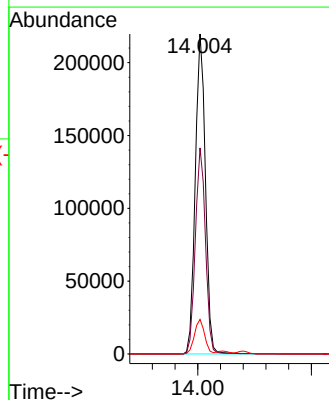
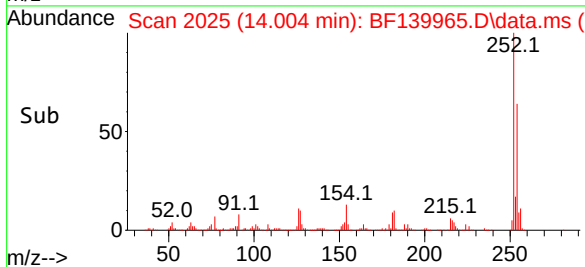
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

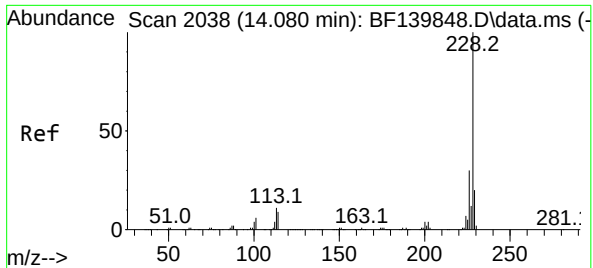


#82
3,3'-Dichlorobenzidine
Concen: 47.107 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:252 Resp: 273674
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 10.8 8.9 13.3





#83

Chrysene

Concen: 38.777 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 708429

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

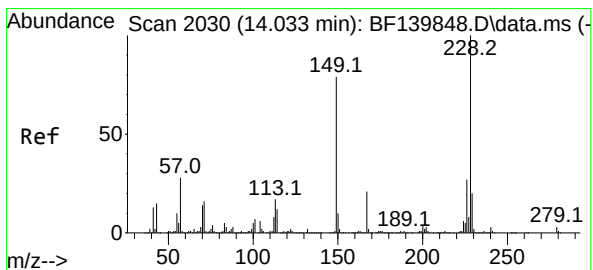
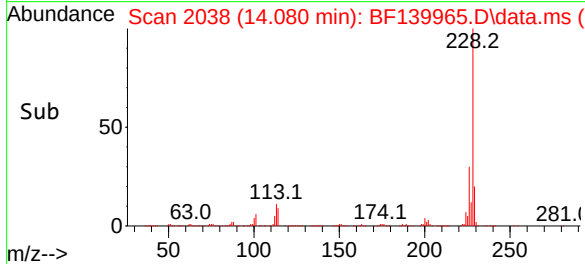
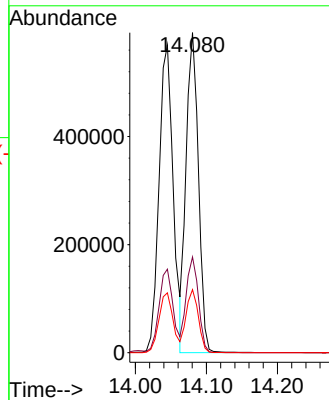
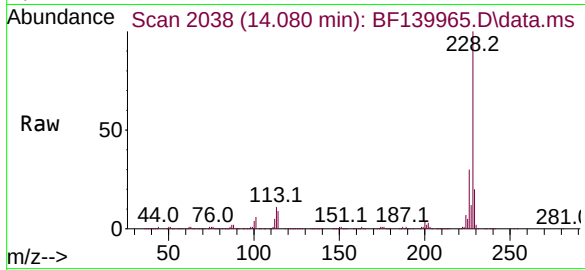
229 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.227 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

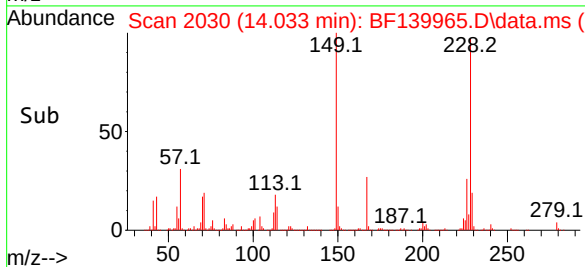
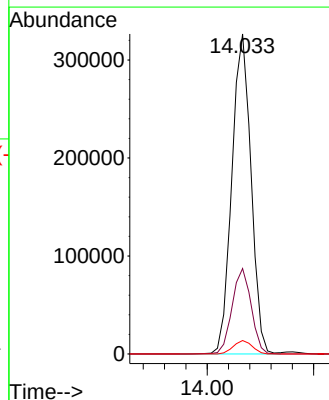
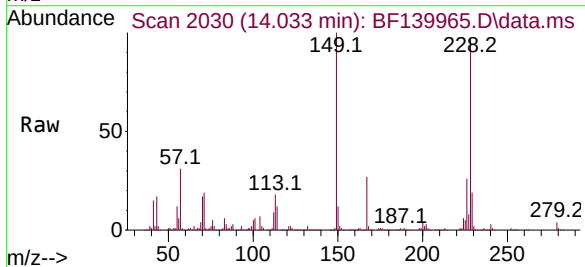
Tgt Ion:149 Resp: 407600

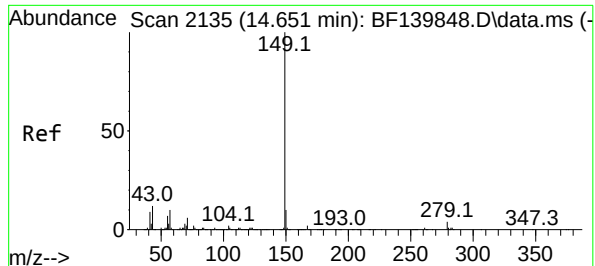
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 44.726 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 73315

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

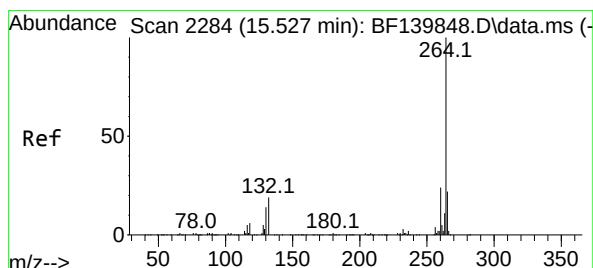
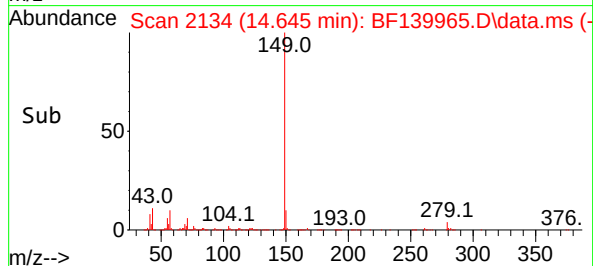
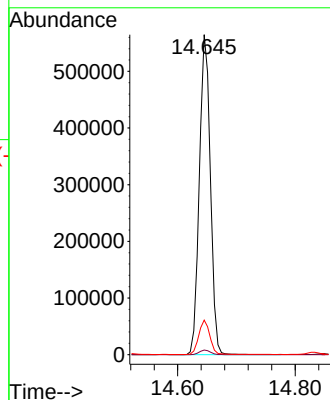
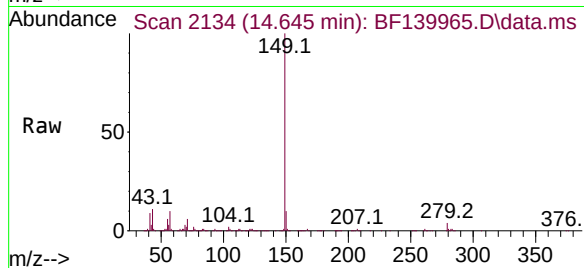
43 10.8 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

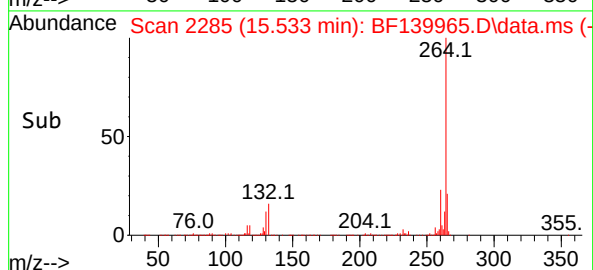
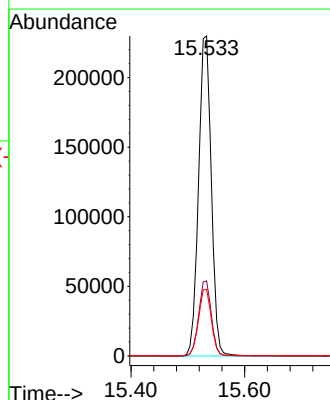
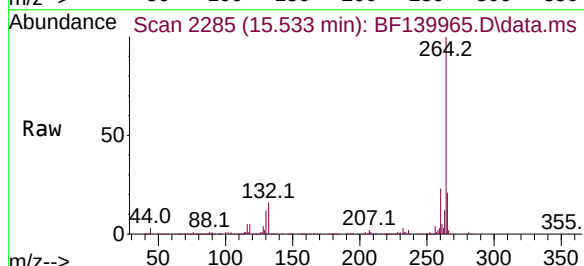
Tgt Ion:264 Resp: 358871

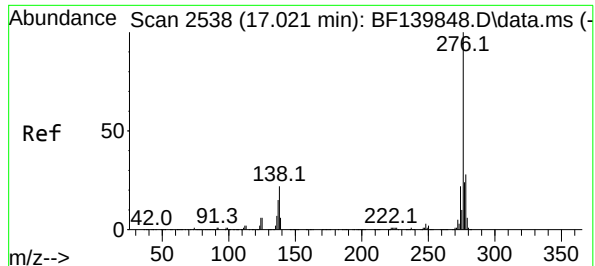
Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 20.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.805 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 918984

Ion Ratio Lower Upper

276 100

138 23.8 20.4 30.6

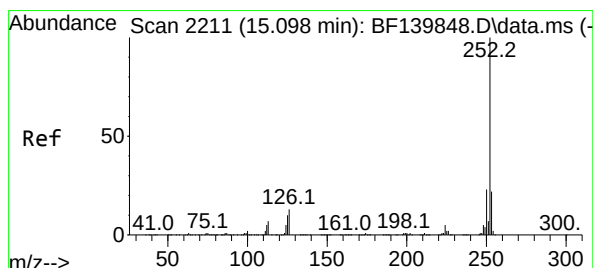
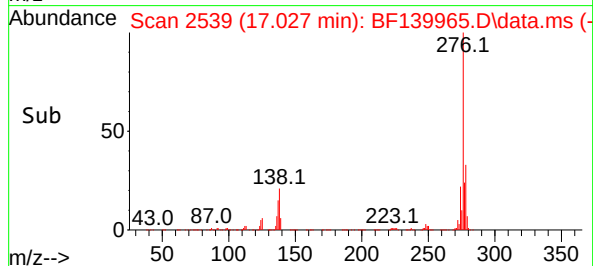
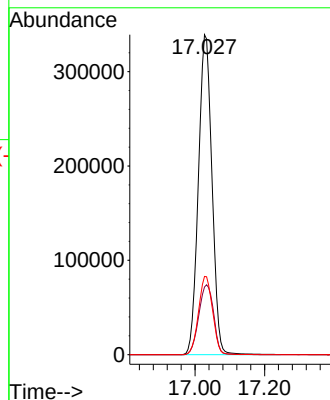
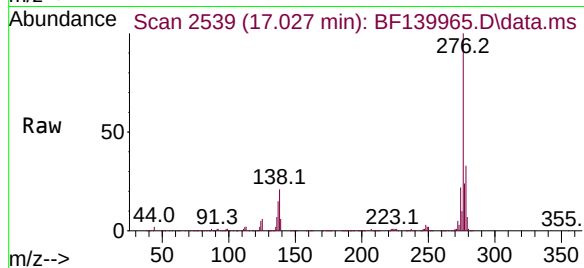
277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#88

Benzo(b)fluoranthene

Concen: 35.551 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

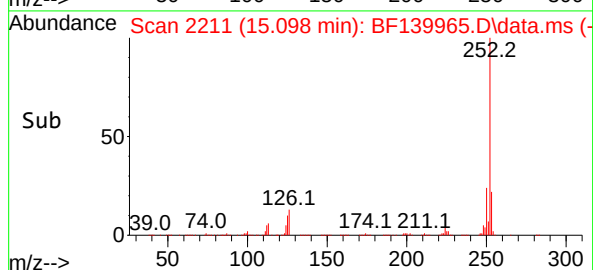
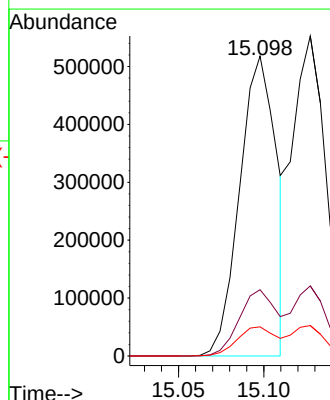
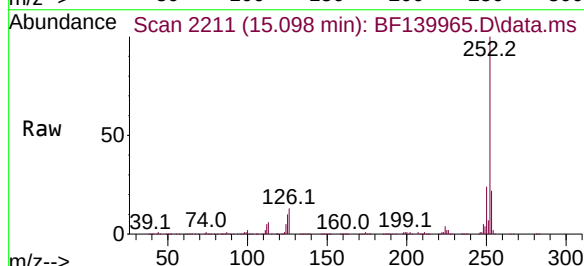
Tgt Ion:252 Resp: 777166

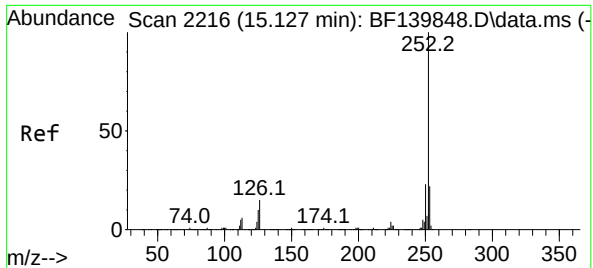
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.905 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 75233

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

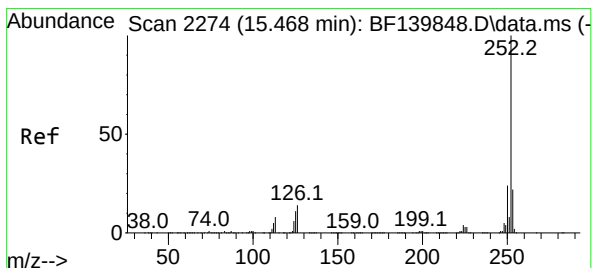
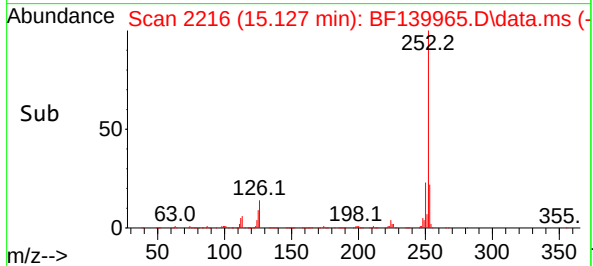
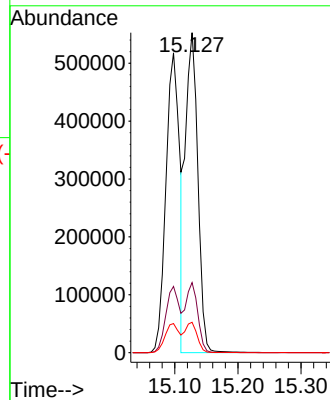
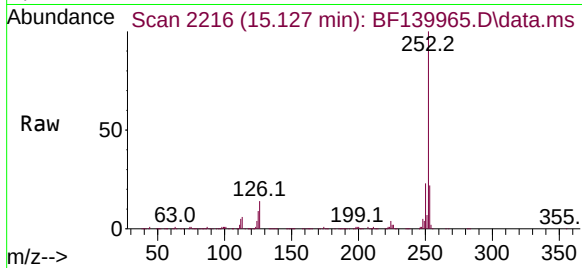
125 9.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#90

Benzo(a)pyrene

Concen: 39.029 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

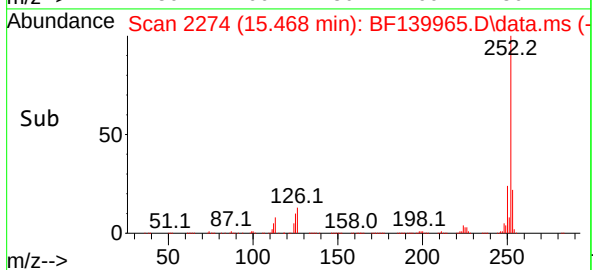
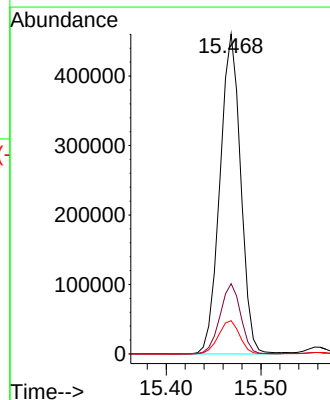
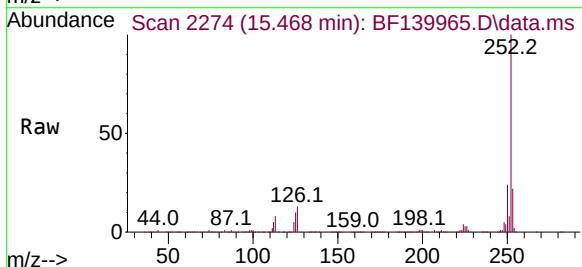
Tgt Ion:252 Resp: 702054

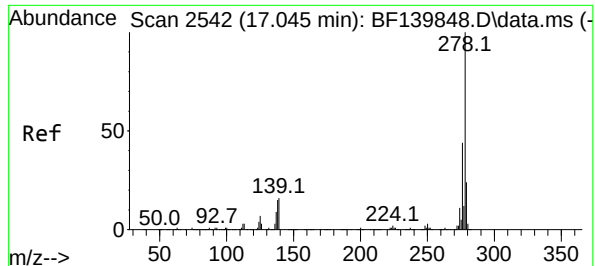
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.4 8.7 13.1





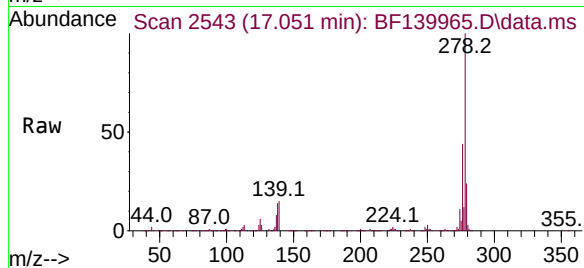
#91
Dibenzo(a,h)anthracene
Concen: 39.504 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

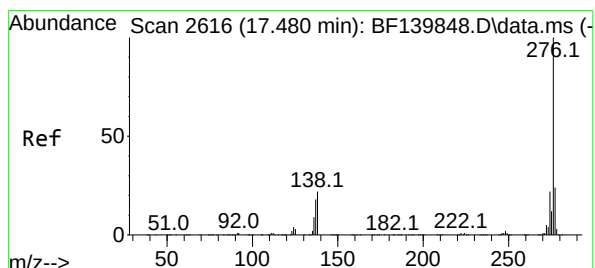
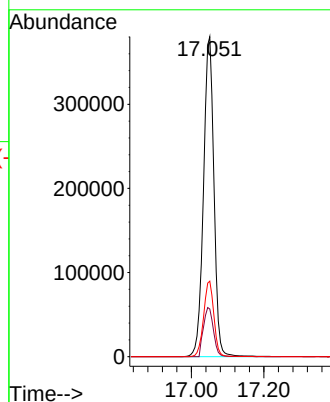
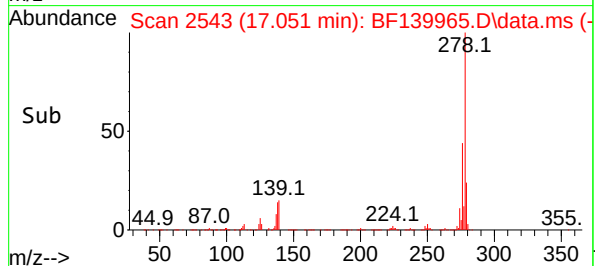


Tgt Ion:278 Resp: 76084
Ion Ratio Lower Upper
278 100
139 14.9 13.1 19.7
279 23.6 19.0 28.4

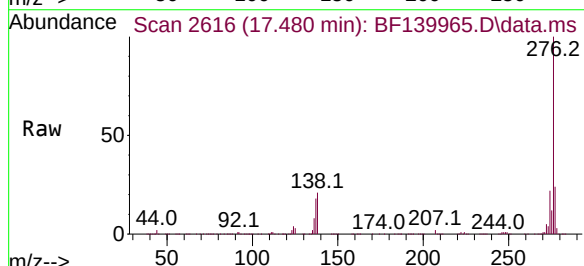
Manual Integrations

APPROVED

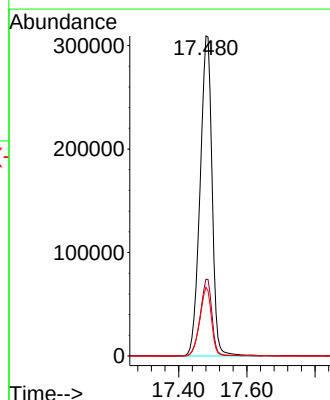
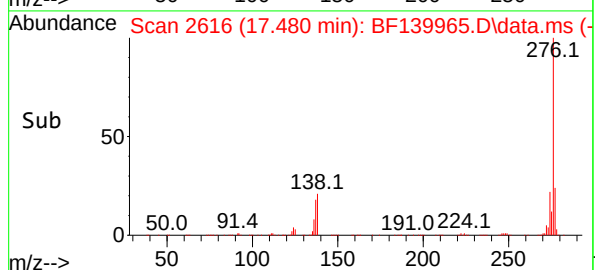
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#92
Benzo(g,h,i)perylene
Concen: 39.298 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:276 Resp: 756017
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2	1,4-Dioxane	0.596	0.581	2.5	86	-0.02
3	Pyridine	1.476	1.438	2.6	84	-0.01
4	n-Nitrosodimethylamine	0.793	0.721	9.1	79	-0.02
5 S	2-Fluorophenol	1.278	1.233	3.5	85	0.00
6	Aniline	1.542	1.487	3.6	83	0.00
7 S	Phenol-d6	1.655	1.579	4.6	84	0.00
8	2-Chlorophenol	1.306	1.291	1.1	87	0.00
9	Benzaldehyde	0.931	0.939	-0.9	88	0.00
10 C	Phenol	1.706	1.663	2.5	85	0.00
11	bis(2-Chloroethyl)ether	1.319	1.273	3.5	86	0.00
12	1,3-Dichlorobenzene	1.499	1.477	1.5	87	0.00
13 C	1,4-Dichlorobenzene	1.498	1.484	0.9	88	0.00
14	1,2-Dichlorobenzene	1.398	1.383	1.1	88	0.00
15	Benzyl Alcohol	1.214	1.150	5.3	83	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	2.018	10.2	79	0.00
17	2-Methylphenol	1.114	1.099	1.3	87	0.00
18	Hexachloroethane	0.534	0.530	0.7	86	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.918	8.6	83	0.00
20	3+4-Methylphenols	1.424	1.388	2.5	86	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22	Acetophenone	0.490	0.467	4.7	86	0.00
23 S	Nitrobenzene-d5	0.361	0.370	-2.5	89	0.00
24	Nitrobenzene	0.396	0.391	1.3	86	0.00
25	Isophorone	0.685	0.651	5.0	85	0.00
26 C	2-Nitrophenol	0.149	0.175	-17.4	99	0.00
27	2,4-Dimethylphenol	0.249	0.239	4.0	85	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.397	4.3	86	0.00
29 C	2,4-Dichlorophenol	0.283	0.283	0.0	89	0.00
30	1,2,4-Trichlorobenzene	0.314	0.310	1.3	87	0.00
31	Naphthalene	1.031	1.011	1.9	88	0.00
32	Benzoic acid	0.217	0.241	-11.1	98	0.00
33	4-Chloroaniline	0.352	0.340	3.4	86	0.00
34 C	Hexachlorobutadiene	0.197	0.199	-1.0	90	0.00
35	Caprolactam	0.090	0.092	-2.2	89	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.308	1.9	87	0.00
37	2-Methylnaphthalene	0.632	0.618	2.2	88	0.00
38	1-Methylnaphthalene	0.620	0.602	2.9	87	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.540	0.0	90	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.193	-2.7	87	0.00
42 S	2,4,6-Tribromophenol	0.187	0.204	-9.1	98	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.381	0.3	88	0.00
44	2,4,5-Trichlorophenol	0.394	0.415	-5.3	93	0.00
45 S	2-Fluorobiphenyl	1.210	1.169	3.4	90	0.00
46	1,1'-Biphenyl	1.392	1.351	2.9	88	0.00
47	2-Chloronaphthalene	1.121	1.097	2.1	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	0.343	0.369	-7.6	91	0.00
49	Acenaphthylene	1.621	1.588	2.0	88	0.00
50	Dimethylphthalate	1.246	1.226	1.6	89	0.00
51	2,6-Dinitrotoluene	0.270	0.289	-7.0	92	0.00
52 C	Acenaphthene	1.049	1.051	-0.2	90	0.00
53	3-Nitroaniline	0.278	0.292	-5.0	89	0.00
54 P	2,4-Dinitrophenol	0.093	0.139	-49.5#	123	0.00
55	Dibenzofuran	1.505	1.458	3.1	88	0.00
56 P	4-Nitrophenol	0.214	0.228	-6.5	88	0.00
57	2,4-Dinitrotoluene	0.332	0.379	-14.2	95	0.00
58	Fluorene	1.146	1.118	2.4	90	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.324	-4.9	94	0.00
60	Diethylphthalate	1.223	1.211	1.0	89	0.00
61	4-Chlorophenyl-phenylether	0.579	0.574	0.9	90	0.00
62	4-Nitroaniline	0.263	0.280	-6.5	91	0.00
63	Azobenzene	1.297	1.226	5.5	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.112	-36.6#	115	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.583	2.7	88	0.00
67	4-Bromophenyl-phenylether	0.206	0.211	-2.4	94	0.00
68	Hexachlorobenzene	0.232	0.234	-0.9	91	0.00
69	Atrazine	0.162	0.166	-2.5	85	0.00
70 C	Pentachlorophenol	0.141	0.157	-11.3	93	0.00
71	Phenanthrene	0.945	0.920	2.6	89	0.00
72	Anthracene	0.922	0.894	3.0	88	0.00
73	Carbazole	0.857	0.815	4.9	87	0.00
74	Di-n-butylphthalate	0.990	0.956	3.4	85	0.00
75 C	Fluoranthene	0.955	0.893	6.5	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzydine	0.329	0.515	-56.5#	125	0.00
78	Pyrene	1.751	1.731	1.1	85	0.00
79 S	Terphenyl-d14	1.227	1.227	0.0	87	0.00
80	Butylbenzylphthalate	0.525	0.540	-2.9	86	0.00
81	Benzo(a)anthracene	1.302	1.293	0.7	86	0.00
82	3,3'-Dichlorobenzidine	0.380	0.447	-17.6	102	0.00
83	Chrysene	1.194	1.157	3.1	88	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.666	-13.1	94	0.00
85 c	Di-n-octyl phthalate	1.071	1.198	-11.9	93	0.00
86 I	Perylene-d12	1.000	1.000	0.0	98	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.280	0.5	93	0.00
88	Benzo(b)fluoranthene	1.218	1.083	11.1	89	0.00
89	Benzo(k)fluoranthene	1.051	1.048	0.3	97	0.00
90 C	Benzo(a)pyrene	1.002	0.978	2.4	94	0.00
91	Dibenzo(a,h)anthracene	1.073	1.060	1.2	93	0.00
92	Benzo(g,h,i)perylene	1.072	1.053	1.8	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139965.D
Acq On : 23 Oct 2024 15:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 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\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	88	0.00
2	1,4-Dioxane	40.000	39.035	2.4	86	-0.02
3	Pyridine	40.000	38.955	2.6	84	-0.01
4	n-Nitrosodimethylamine	40.000	36.378	9.1	79	-0.02
5 S	2-Fluorophenol	80.000	77.208	3.5	85	0.00
6	Aniline	40.000	38.564	3.6	83	0.00
7 S	Phenol-d6	80.000	76.328	4.6	84	0.00
8	2-Chlorophenol	40.000	39.524	1.2	87	0.00
9	Benzaldehyde	40.000	40.347	-0.9	88	0.00
10 C	Phenol	40.000	39.005	2.5	85	0.00
11	bis(2-Chloroethyl)ether	40.000	38.618	3.5	86	0.00
12	1,3-Dichlorobenzene	40.000	39.402	1.5	87	0.00
13 C	1,4-Dichlorobenzene	40.000	39.636	0.9	88	0.00
14	1,2-Dichlorobenzene	40.000	39.574	1.1	88	0.00
15	Benzyl Alcohol	40.000	37.910	5.2	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.911	10.2	79	0.00
17	2-Methylphenol	40.000	39.467	1.3	87	0.00
18	Hexachloroethane	40.000	39.670	0.8	86	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.609	8.5	83	0.00
20	3+4-Methylphenols	40.000	38.982	2.5	86	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22	Acetophenone	40.000	38.152	4.6	86	0.00
23 S	Nitrobenzene-d5	80.000	82.113	-2.6	89	0.00
24	Nitrobenzene	40.000	39.545	1.1	86	0.00
25	Isophorone	40.000	37.995	5.0	85	0.00
26 C	2-Nitrophenol	40.000	46.836	-17.1	99	0.00
27	2,4-Dimethylphenol	40.000	38.382	4.0	85	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.252	4.4	86	0.00
29 C	2,4-Dichlorophenol	40.000	39.971	0.1	89	0.00
30	1,2,4-Trichlorobenzene	40.000	39.591	1.0	87	0.00
31	Naphthalene	40.000	39.208	2.0	88	0.00
32	Benzoic acid	40.000	44.497	-11.2	98	0.00
33	4-Chloroaniline	40.000	38.637	3.4	86	0.00
34 C	Hexachlorobutadiene	40.000	40.436	-1.1	90	0.00
35	Caprolactam	40.000	40.942	-2.4	89	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.260	1.9	87	0.00
37	2-Methylnaphthalene	40.000	39.114	2.2	88	0.00
38	1-Methylnaphthalene	40.000	38.841	2.9	87	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	90	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.047	-0.1	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.044	-2.6	87	0.00
42 S	2,4,6-Tribromophenol	80.000	87.444	-9.3	98	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.893	0.3	88	0.00
44	2,4,5-Trichlorophenol	40.000	42.132	-5.3	93	0.00
45 S	2-Fluorobiphenyl	80.000	77.274	3.4	90	0.00
46	1,1'-Biphenyl	40.000	38.820	2.9	88	0.00
47	2-Chloronaphthalene	40.000	39.125	2.2	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	43.073	-7.7	91	0.00
49	Acenaphthylene	40.000	39.178	2.1	88	0.00
50	Dimethylphthalate	40.000	39.360	1.6	89	0.00
51	2,6-Dinitrotoluene	40.000	42.888	-7.2	92	0.00
52 C	Acenaphthene	40.000	40.088	-0.2	90	0.00
53	3-Nitroaniline	40.000	41.975	-4.9	89	0.00
54 P	2,4-Dinitrophenol	40.000	52.057	-30.1#	123	0.00
55	Dibenzofuran	40.000	38.748	3.1	88	0.00
56 P	4-Nitrophenol	40.000	42.690	-6.7	88	0.00
57	2,4-Dinitrotoluene	40.000	45.716	-14.3	95	0.00
58	Fluorene	40.000	39.027	2.4	90	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.916	-4.8	94	0.00
60	Diethylphthalate	40.000	39.586	1.0	89	0.00
61	4-Chlorophenyl-phenylether	40.000	39.685	0.8	90	0.00
62	4-Nitroaniline	40.000	42.606	-6.5	91	0.00
63	Azobenzene	40.000	37.820	5.4	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	90	0.00
65	4,6-Dinitro-2-methylphenol	40.000	54.698	-36.7#	115	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.988	2.5	88	0.00
67	4-Bromophenyl-phenylether	40.000	40.878	-2.2	94	0.00
68	Hexachlorobenzene	40.000	40.396	-1.0	91	0.00
69	Atrazine	40.000	40.949	-2.4	85	0.00
70 C	Pentachlorophenol	40.000	44.591	-11.5	93	0.00
71	Phenanthrene	40.000	38.958	2.6	89	0.00
72	Anthracene	40.000	38.790	3.0	88	0.00
73	Carbazole	40.000	38.049	4.9	87	0.00
74	Di-n-butylphthalate	40.000	38.625	3.4	85	0.00
75 C	Fluoranthene	40.000	37.408	6.5	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	62.699	-56.7#	125	0.00
78	Pyrene	40.000	39.552	1.1	85	0.00
79 S	Terphenyl-d14	80.000	80.002	-0.0	87	0.00
80	Butylbenzylphthalate	40.000	41.146	-2.9	86	0.00
81	Benzo(a)anthracene	40.000	39.712	0.7	86	0.00
82	3,3'-Dichlorobenzidine	40.000	47.107	-17.8	102	0.00
83	Chrysene	40.000	38.777	3.1	88	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.227	-13.1	94	0.00
85 c	Di-n-octyl phthalate	40.000	44.726	-11.8	93	0.00
86 I	Perylene-d12	20.000	20.000	0.0	98	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.805	0.5	93	0.00
88	Benzo(b)fluoranthene	40.000	35.551	11.1	89	0.00
89	Benzo(k)fluoranthene	40.000	39.905	0.2	97	0.00
90 C	Benzo(a)pyrene	40.000	39.029	2.4	94	0.00
91	Dibenzo(a,h)anthracene	40.000	39.504	1.2	93	0.00
92	Benzo(g,h,i)perylene	40.000	39.298	1.8	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139965.D
Acq On : 23 Oct 2024 15:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 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: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.374		-6.9	
2-Fluorophenol	1.278	1.208		-5.5	
Phenol-d6	1.655	1.504		-9.1	
1,4-Dichlorobenzene	1.498	1.458		-2.7	20.0
2-Methylphenol	1.114	1.030		-7.5	
3+4-Methylphenols	1.424	1.299		-8.8	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.521		-2.4	
Nitrobenzene	0.396	0.392		-1.0	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.183		-2.2	
2,4,5-Trichlorophenol	0.394	0.395		0.3	
2,4-Dinitrotoluene	0.332	0.371		11.7	
2,4,6-Tribromophenol	0.187	0.205		9.6	
Hexachlorobenzene	0.232	0.240		3.4	
Pentachlorophenol	0.141	0.164		16.3	20.0
Terphenyl-d14	1.227	1.286		4.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF139990.D
 Acq On : 24 Oct 2024 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	160242	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	587754	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	322730	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	552693	20.000	ng	0.00
76) Chrysene-d12	14.057	240	268892	20.000	ng	0.00
86) Perylene-d12	15.533	264	303963	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	774298	75.645	ng	0.00
7) Phenol-d6	6.516	99	964287	72.737	ng	0.00
23) Nitrobenzene-d5	7.451	82	878769	82.866	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	264656	87.672	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1527609	78.229	ng	0.00
79) Terphenyl-d14	12.998	244	1382993	83.809	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	176828	37.052	ng	93
3) Pyridine	3.434	79	440496	37.237	ng	96
4) n-Nitrosodimethylamine	3.387	42	221040	34.778	ng	97
6) Aniline	6.557	93	450356	36.450	ng	97
8) 2-Chlorophenol	6.675	128	397388	37.976	ng	99
9) Benzaldehyde	6.440	77	266226	35.697	ng	99
10) Phenol	6.528	94	503800m	36.861	ng	
11) bis(2-Chloroethyl)ether	6.628	93	390457	36.961	ng	98
12) 1,3-Dichlorobenzene	6.834	146	466352	38.824	ng	99
13) 1,4-Dichlorobenzene	6.910	146	467360	38.944	ng	99
14) 1,2-Dichlorobenzene	7.063	146	434528	38.796	ng	98
15) Benzyl Alcohol	7.028	79	360873	37.109	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	620809	34.465	ng	97
17) 2-Methylphenol	7.134	107	330173	37.003	ng	99
18) Hexachloroethane	7.404	117	167043	39.033	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	282083	35.083	ng	95
20) 3+4-Methylphenols	7.292	107	416195	36.467	ng	# 83
22) Acetophenone	7.298	105	545776	37.912	ng	99
24) Nitrobenzene	7.475	77	460520	39.608	ng	99
25) Isophorone	7.710	82	757098	37.614	ng	99
26) 2-Nitrophenol	7.787	139	208316	47.492	ng	96
27) 2,4-Dimethylphenol	7.822	122	274637	37.550	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	462579	37.932	ng	99
29) 2,4-Dichlorophenol	8.028	162	329245	39.521	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	370013	40.140	ng	100
31) Naphthalene	8.198	128	1179077	38.897	ng	100
32) Benzoic acid	7.922	122	290994	45.616	ng	96
33) 4-Chloroaniline	8.239	127	392794	38.001	ng	99
34) Hexachlorobutadiene	8.310	225	237818	41.060	ng	100
35) Caprolactam	8.610	113	103091	38.918	ng	90
36) 4-Chloro-3-methylphenol	8.716	107	351754	38.132	ng	97
37) 2-Methylnaphthalene	8.886	142	723557	38.975	ng	99
38) 1-Methylnaphthalene	8.986	142	706876	38.809	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	355797	40.864	ng	99
41) Hexachlorocyclopentadiene	9.039	237	133648	44.115	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	260321	42.231	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF139990.D
 Acq On : 24 Oct 2024 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

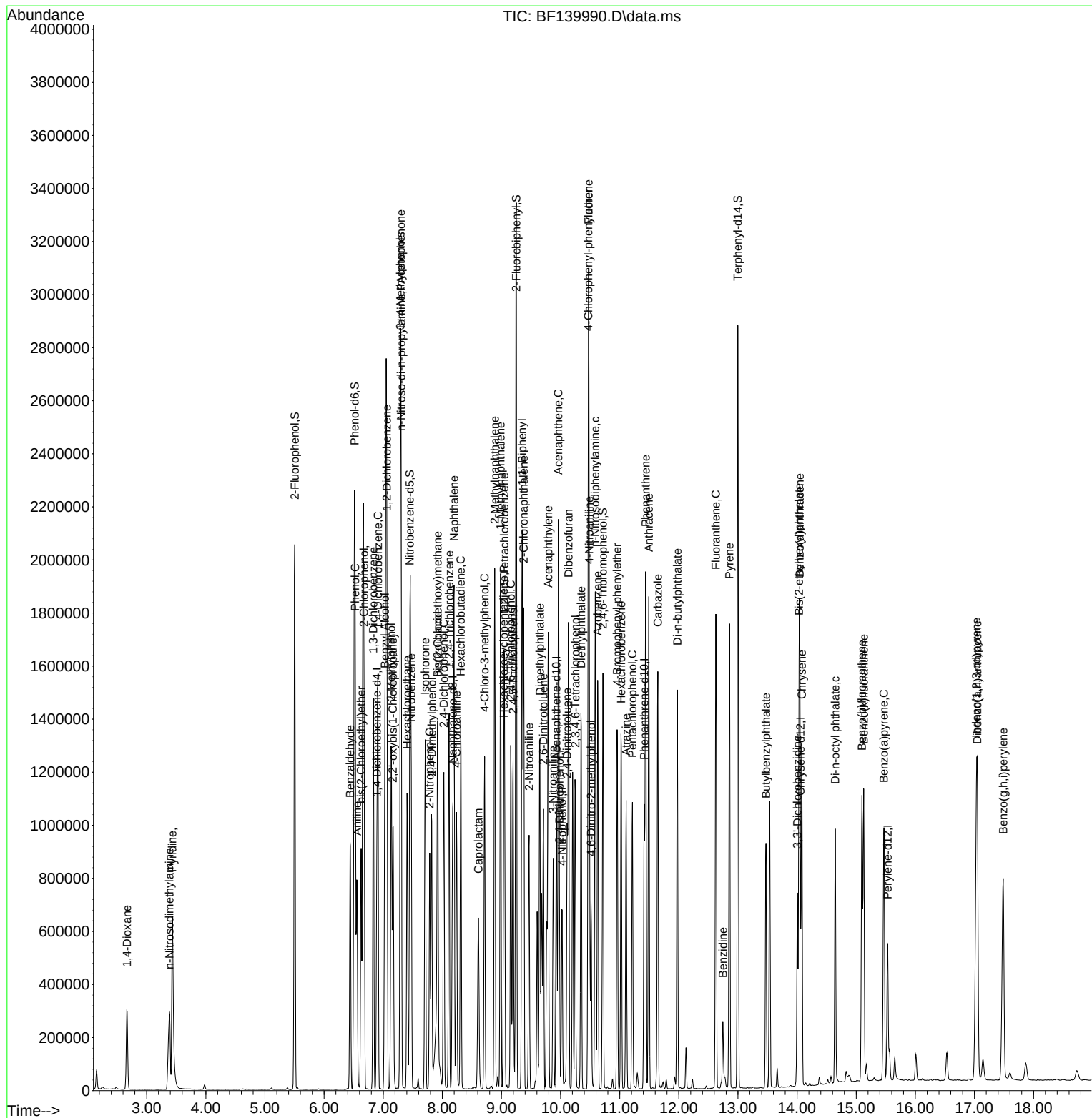
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	255051	40.103	ng	97
46) 1,1'-Biphenyl	9.351	154	884807	39.383	ng	99
47) 2-Chloronaphthalene	9.375	162	716569	39.600	ng	99
48) 2-Nitroaniline	9.469	65	233781	42.243	ng	91
49) Acenaphthylene	9.792	152	1020484	39.009	ng	100
50) Dimethylphthalate	9.651	163	779891	38.796	ng	100
51) 2,6-Dinitrotoluene	9.710	165	184898	42.481	ng	95
52) Acenaphthene	9.963	154	678587	40.099	ng	99
53) 3-Nitroaniline	9.875	138	183065	40.785	ng	95
54) 2,4-Dinitrophenol	9.981	184	95624	55.091	ng #	1
55) Dibenzofuran	10.133	168	934503	38.488	ng	99
56) 4-Nitrophenol	10.028	139	147827	42.808	ng	95
57) 2,4-Dinitrotoluene	10.110	165	239410	44.729	ng	97
58) Fluorene	10.475	166	716749	38.758	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	207853	41.690	ng	96
60) Diethylphthalate	10.345	149	758570	38.433	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	374601	40.111	ng	98
62) 4-Nitroaniline	10.486	138	167010	39.396	ng	95
63) Azobenzene	10.628	77	775853	37.078	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	129613	57.493	ng	94
66) n-Nitrosodiphenylamine	10.586	169	649534	39.266	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	239237	42.017	ng	96
68) Hexachlorobenzene	11.028	284	265372	41.441	ng	95
69) Atrazine	11.110	200	178157	39.759	ng	99
70) Pentachlorophenol	11.216	266	180839	46.531	ng	99
71) Phenanthrene	11.439	178	1013712	38.829	ng	99
72) Anthracene	11.492	178	1003224	39.385	ng	100
73) Carbazole	11.645	167	886910	37.439	ng	99
74) Di-n-butylphthalate	11.975	149	1047818	38.284	ng	99
75) Fluoranthene	12.627	202	997974	37.814	ng	100
77) Benzidine	12.745	184	148061	33.487	ng	99
78) Pyrene	12.857	202	991454	42.123	ng	100
80) Butylbenzylphthalate	13.474	149	288336	40.861	ng	98
81) Benzo(a)anthracene	14.045	228	685819	39.181	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	221524	43.406	ng	99
83) Chrysene	14.080	228	612931	38.191	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	343936	43.443	ng	99
85) Di-n-octyl phthalate	14.645	149	611956	42.497	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	863954	44.181	ng	98
88) Benzo(b)fluoranthene	15.098	252	653367	35.286	ng	99
89) Benzo(k)fluoranthene	15.127	252	641324	40.161	ng	99
90) Benzo(a)pyrene	15.468	252	604156	39.654	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	718383	44.037	ng	99
92) Benzo(g,h,i)perylene	17.486	276	742968	45.596	ng	98

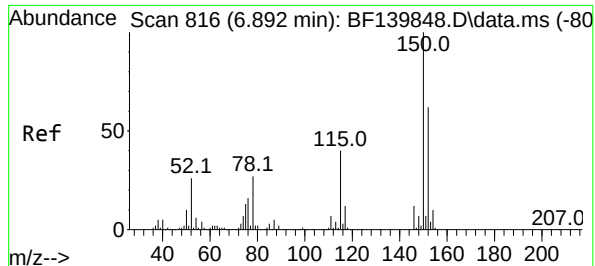
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139990.D
Acq On : 24 Oct 2024 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

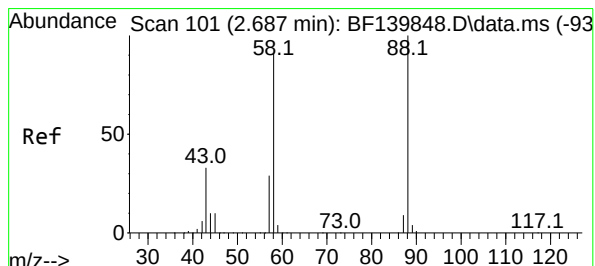
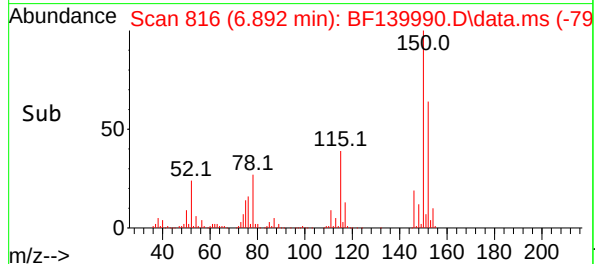
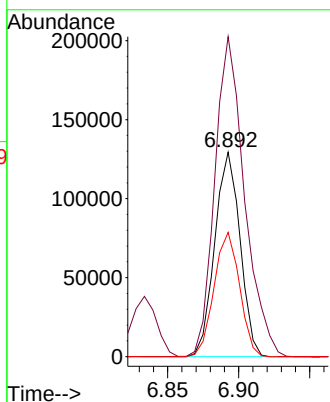
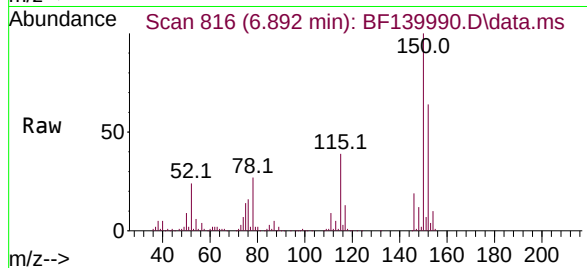




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

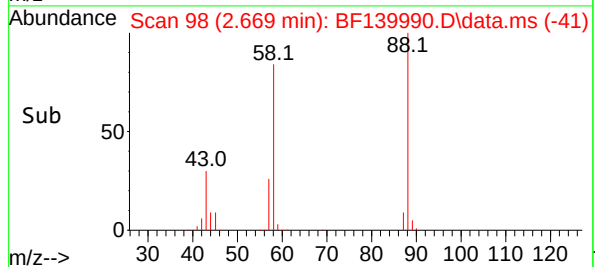
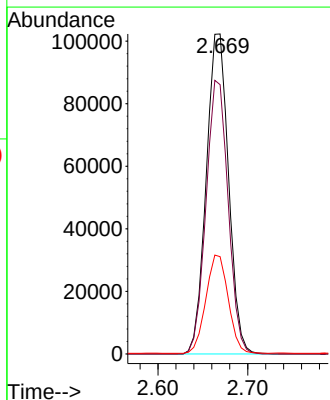
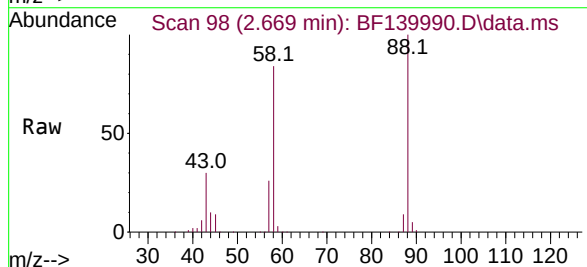
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

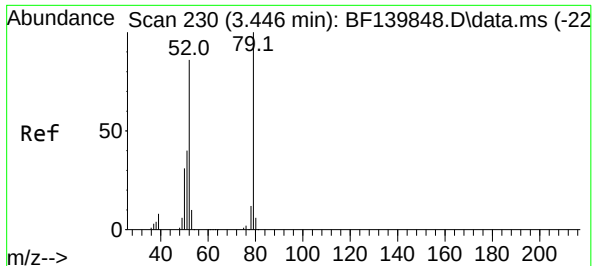
Tgt Ion:152 Resp: 160242
Ion Ratio Lower Upper
152 100
150 156.5 130.2 195.2
115 60.8 51.4 77.2



#2
1,4-Dioxane
Concen: 37.052 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion: 88 Resp: 176828
Ion Ratio Lower Upper
88 100
58 84.7 73.3 109.9
43 30.7 27.1 40.7





#3

Pyridine

Concen: 37.237 ng

RT: 3.434 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

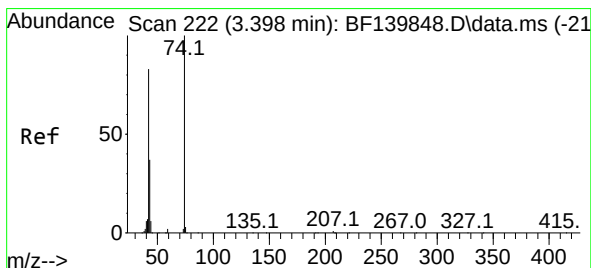
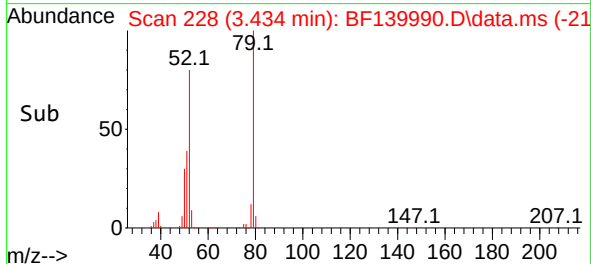
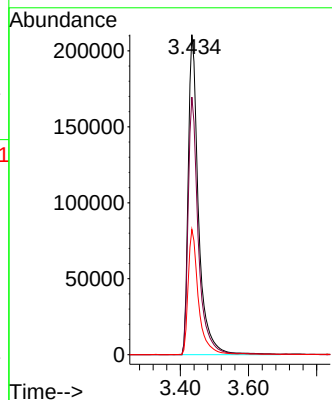
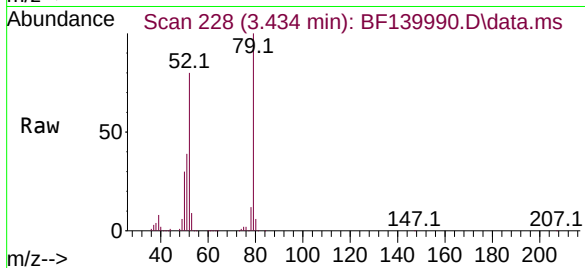
Tgt Ion: 79 Resp: 440496

Ion Ratio Lower Upper

79 100

52 80.5 68.5 102.7

51 39.2 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 34.778 ng

RT: 3.387 min Scan# 220

Delta R.T. -0.012 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

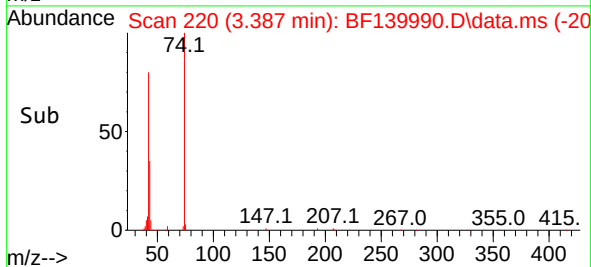
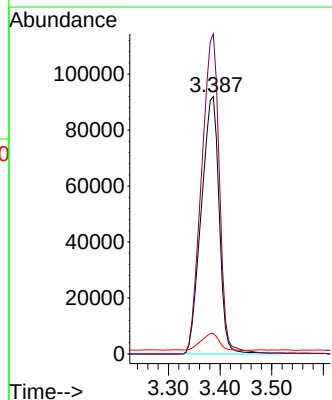
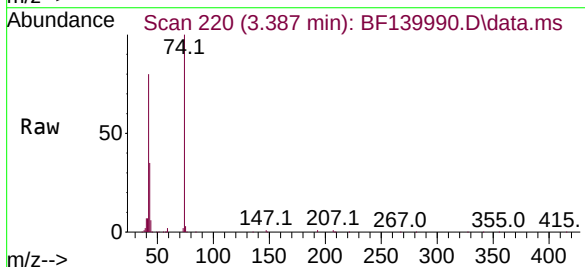
Tgt Ion: 42 Resp: 221040

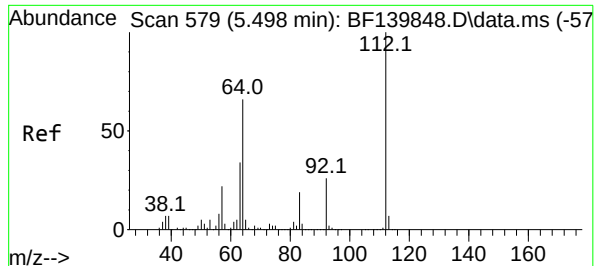
Ion Ratio Lower Upper

42 100

74 124.3 96.2 144.4

44 7.9 6.2 9.2

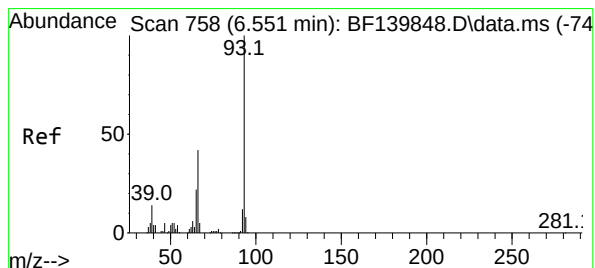
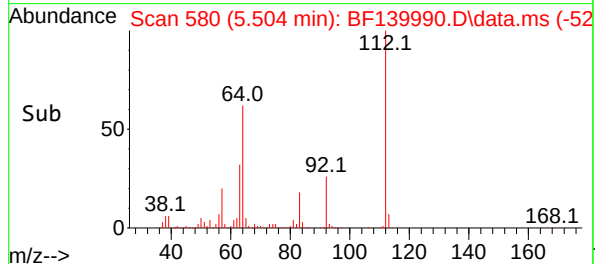
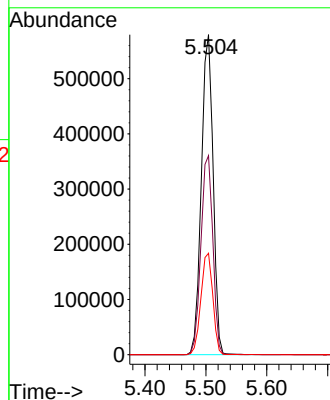
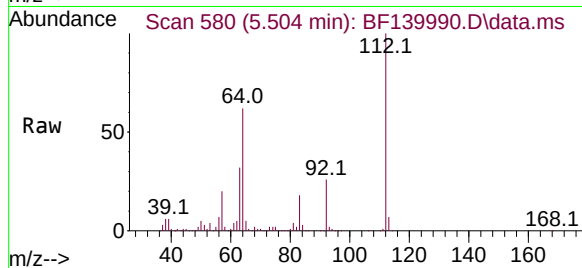




#5
2-Fluorophenol
Concen: 75.645 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

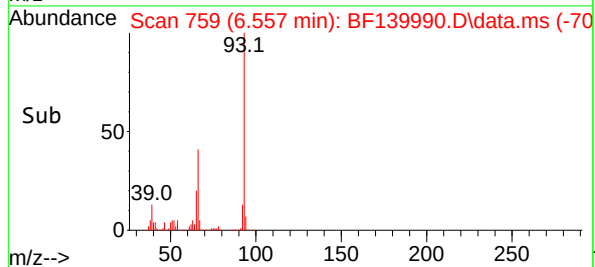
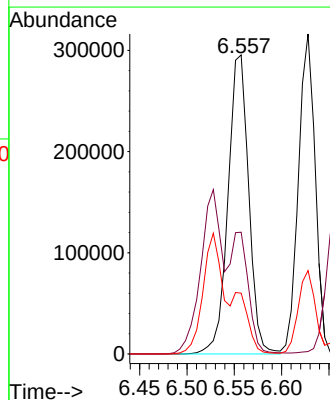
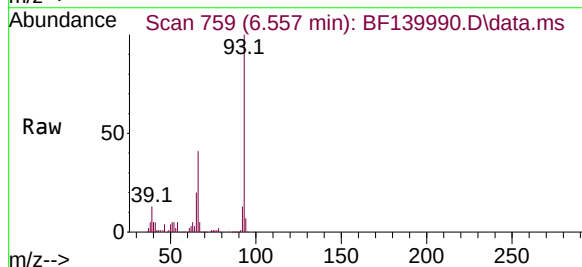
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

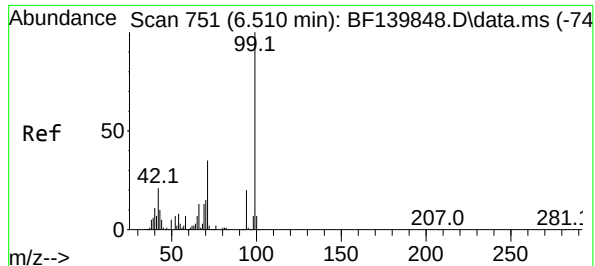
Tgt Ion:112 Resp: 774298
Ion Ratio Lower Upper
112 100
64 62.2 53.0 79.6
63 31.7 27.0 40.4



#6
Aniline
Concen: 36.450 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion: 93 Resp: 450356
Ion Ratio Lower Upper
93 100
66 40.7 34.0 51.0
65 20.3 17.4 26.0

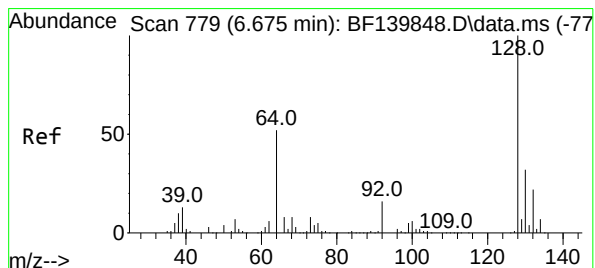
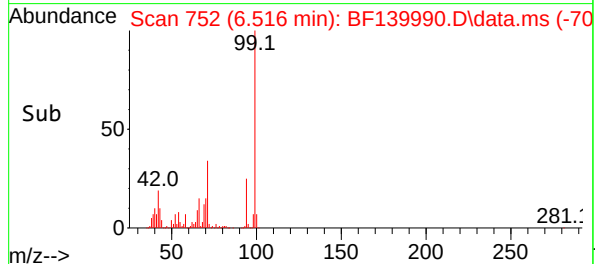
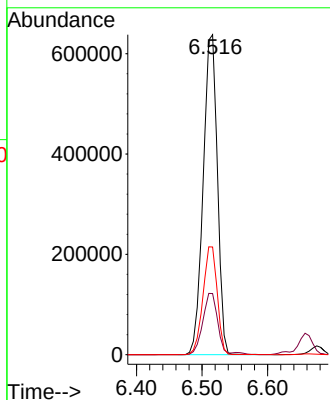
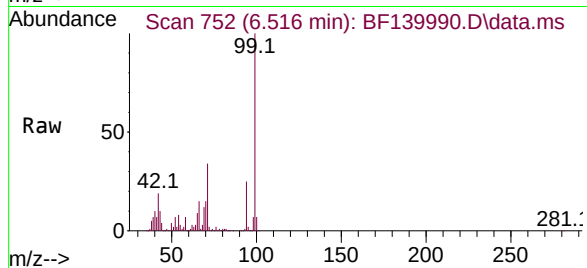




#7
Phenol-d6
Concen: 72.737 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

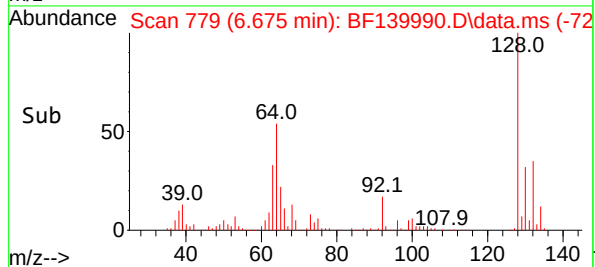
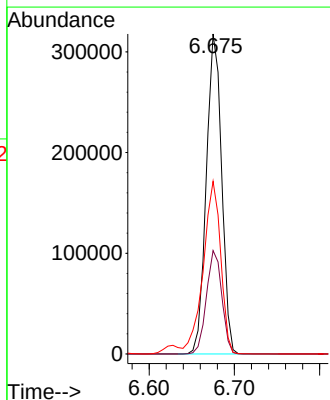
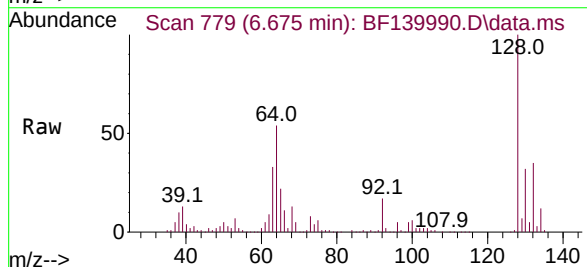
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

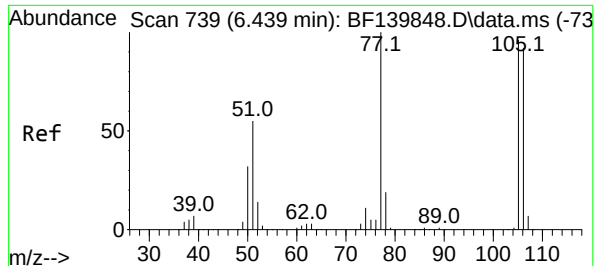
Tgt Ion: 99 Resp: 964287
Ion Ratio Lower Upper
99 100
42 19.1 16.7 25.1
71 33.7 27.7 41.5



#8
2-Chlorophenol
Concen: 37.976 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion: 128 Resp: 397388
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 54.0 34.6 74.6

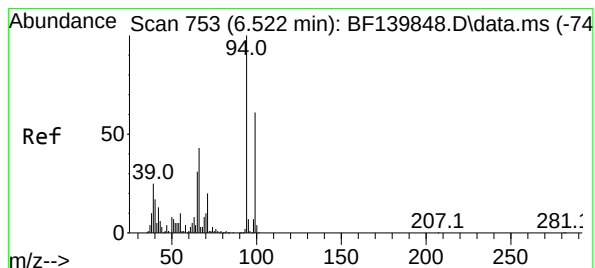
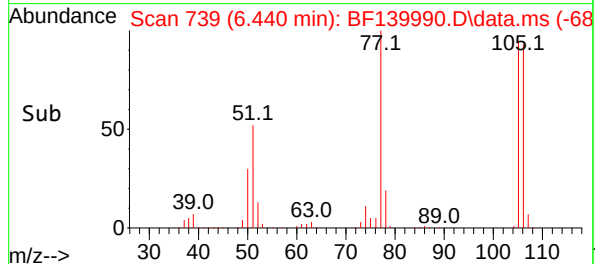
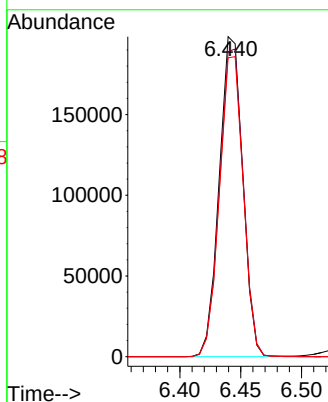
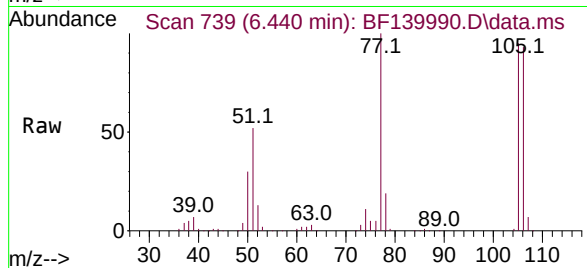




#9
Benzaldehyde
Concen: 35.697 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

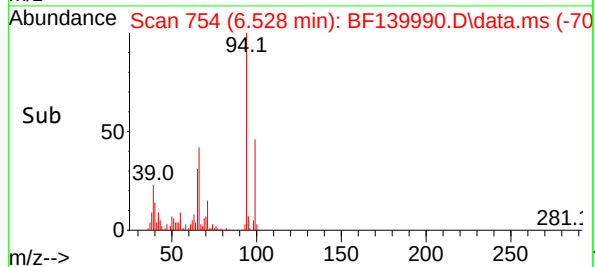
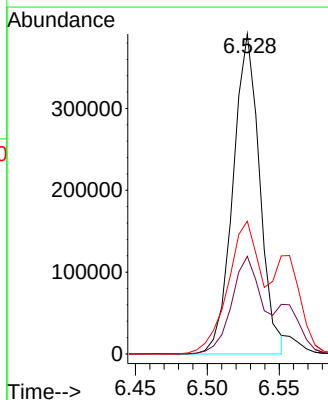
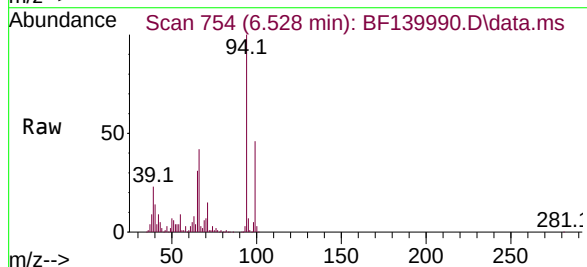
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

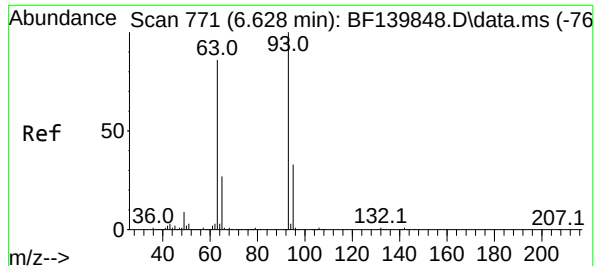
Tgt Ion: 77 Resp: 266226
Ion Ratio Lower Upper
77 100
105 95.4 75.5 115.5
106 93.4 71.7 111.7



#10
Phenol
Concen: 36.861 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion: 94 Resp: 503800
Ion Ratio Lower Upper
94 100
65 30.5 11.1 51.1
66 41.5 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 36.961 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

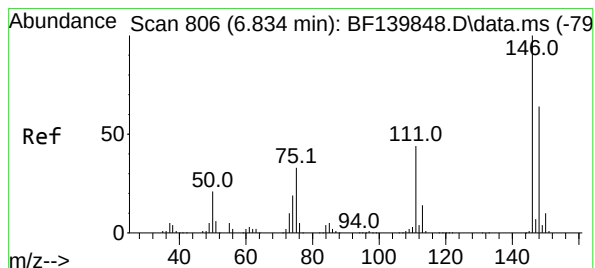
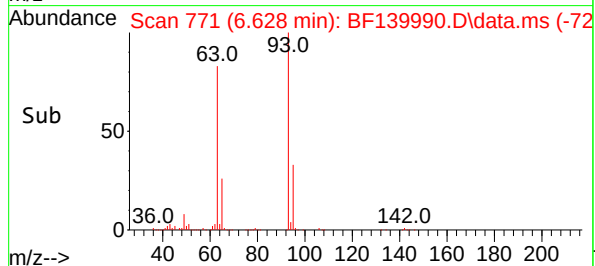
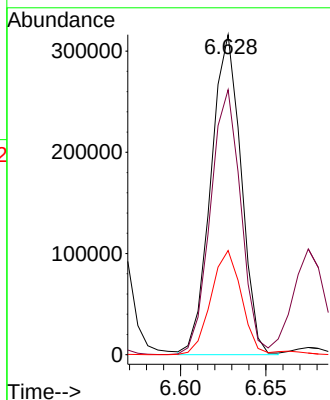
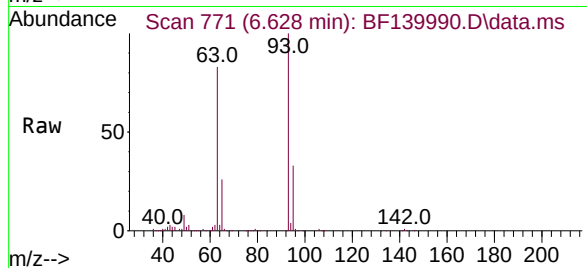
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 390457

Ion	Ratio	Lower	Upper
93	100		
63	82.8	65.0	105.0
95	32.5	12.4	52.4



#12

1,3-Dichlorobenzene

Concen: 38.824 ng

RT: 6.834 min Scan# 806

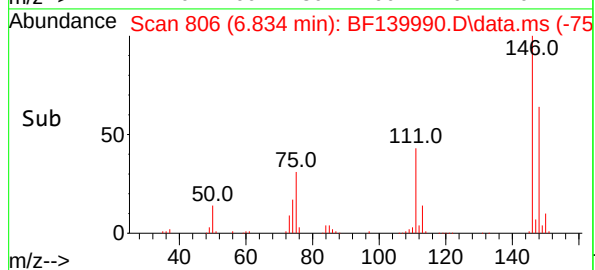
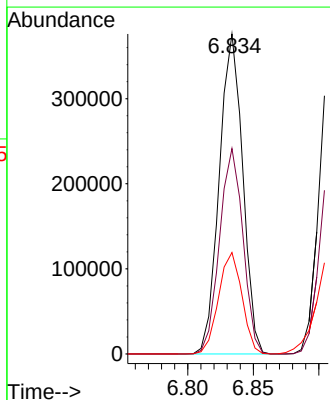
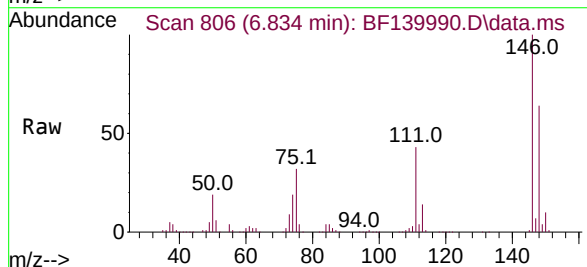
Delta R.T. 0.000 min

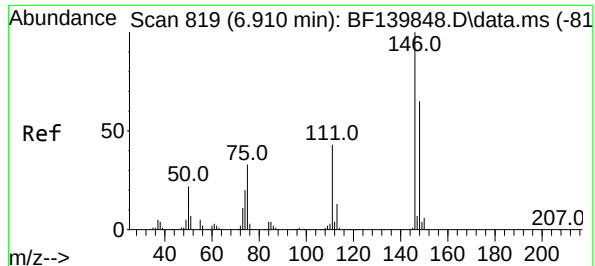
Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion: 146 Resp: 466352

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
75	31.7	26.4	39.6





#13

1,4-Dichlorobenzene

Concen: 38.944 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

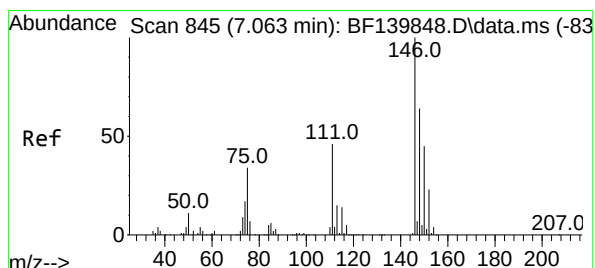
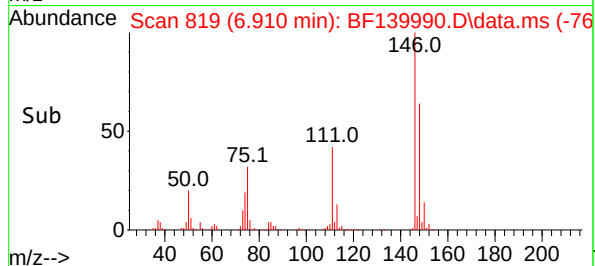
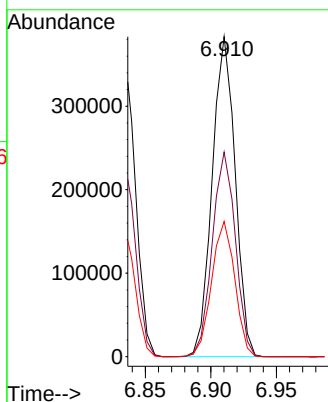
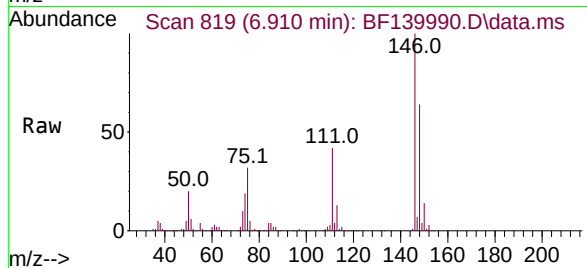
Tgt Ion:146 Resp: 467360

Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.8

111 42.3 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 38.796 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

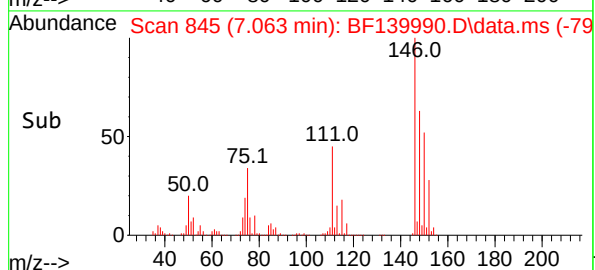
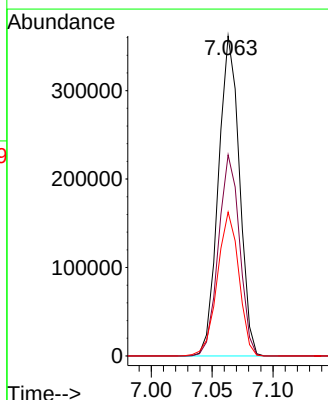
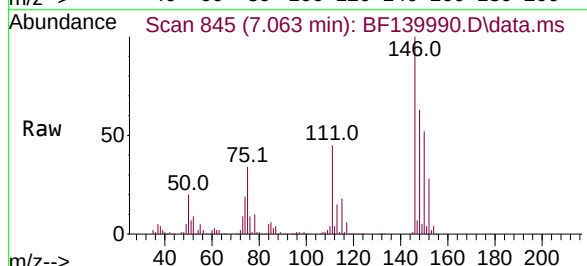
Tgt Ion:146 Resp: 434528

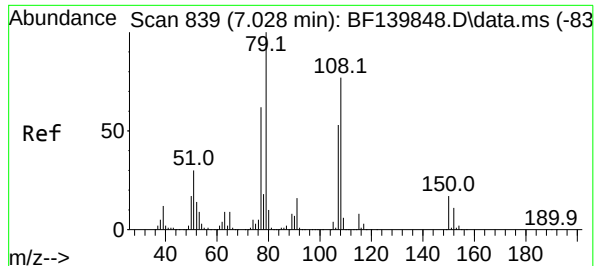
Ion Ratio Lower Upper

146 100

148 62.8 51.4 77.2

111 44.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.109 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

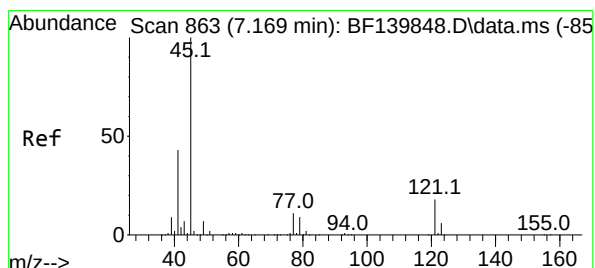
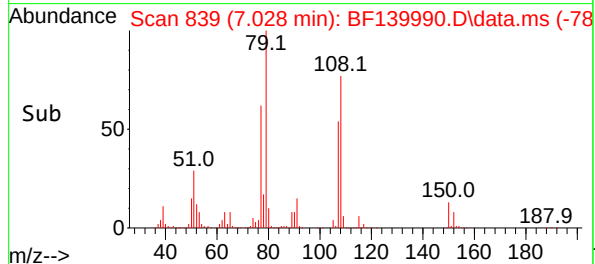
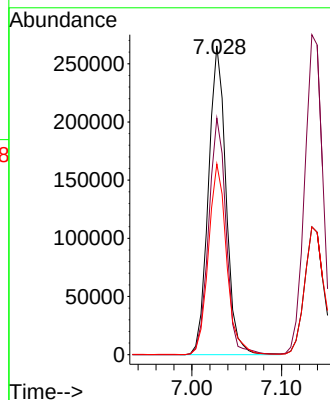
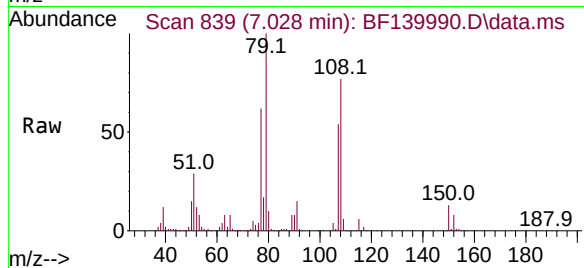
Tgt Ion: 79 Resp: 360873

Ion Ratio Lower Upper

79 100

108 76.6 61.4 92.0

77 61.8 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.465 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

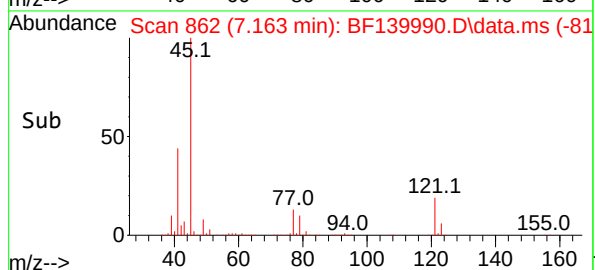
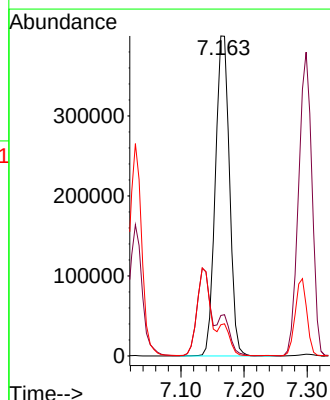
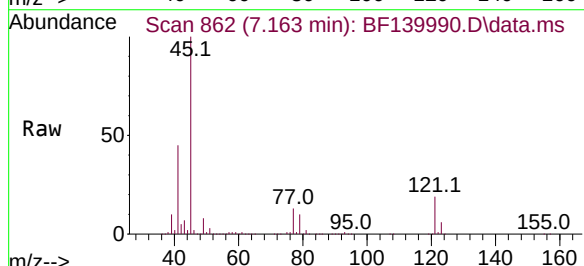
Tgt Ion: 45 Resp: 620809

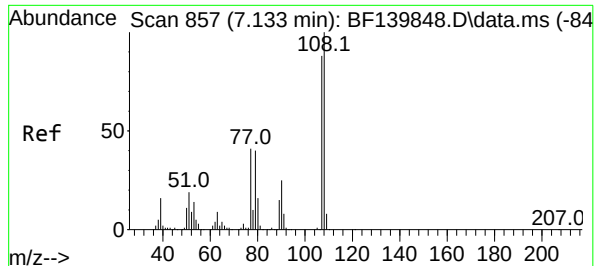
Ion Ratio Lower Upper

45 100

77 12.7 0.0 31.5

79 9.8 0.0 29.1

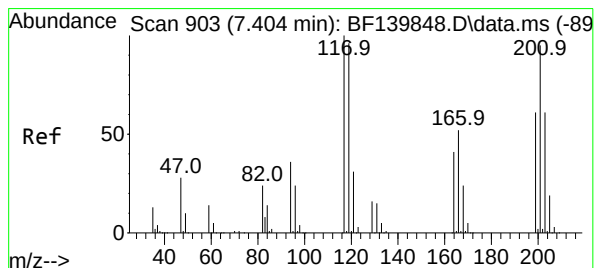
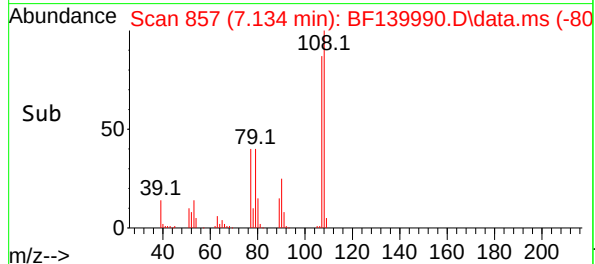
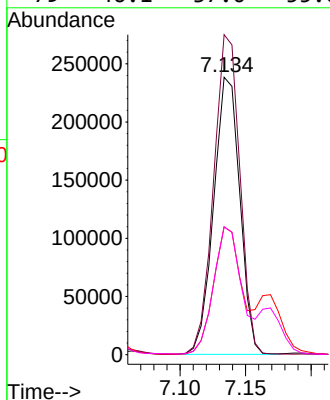
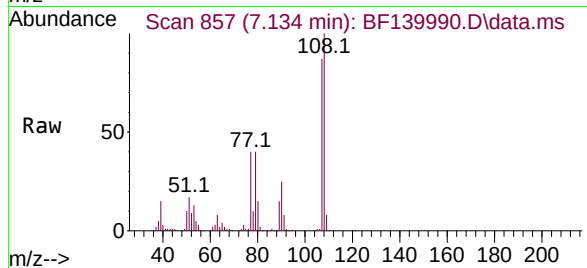




#17
2-Methylphenol
Concen: 37.003 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

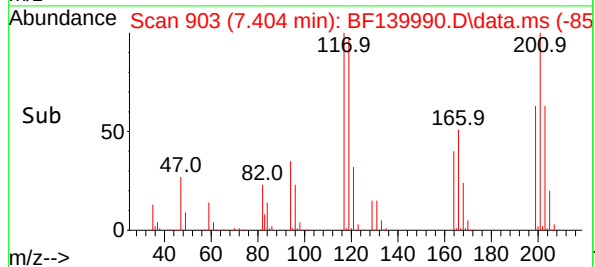
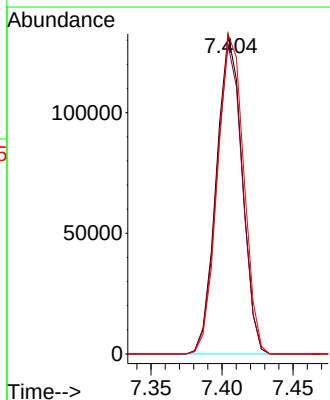
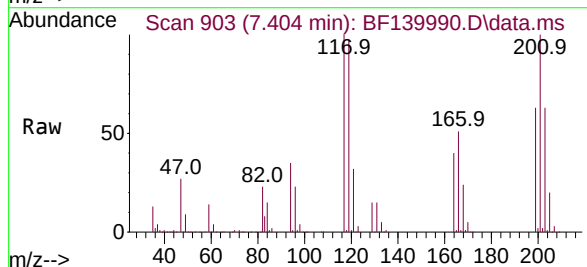
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

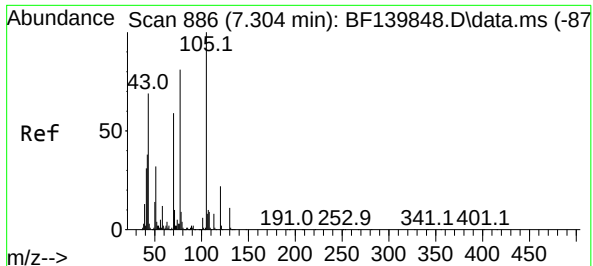
Tgt Ion:107 Resp: 330173
Ion Ratio Lower Upper
107 100
108 115.4 91.3 136.9
77 46.1 37.1 55.7
79 46.1 37.0 55.6



#18
Hexachloroethane
Concen: 39.033 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:117 Resp: 167043
Ion Ratio Lower Upper
117 100
119 96.6 77.0 115.4
201 99.9 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 35.083 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 282083

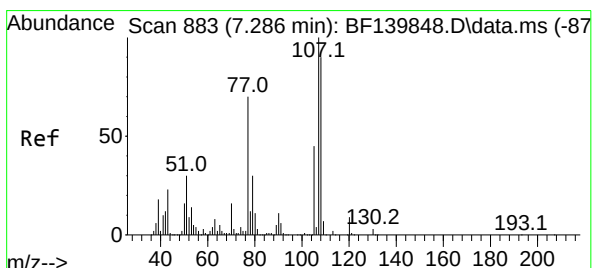
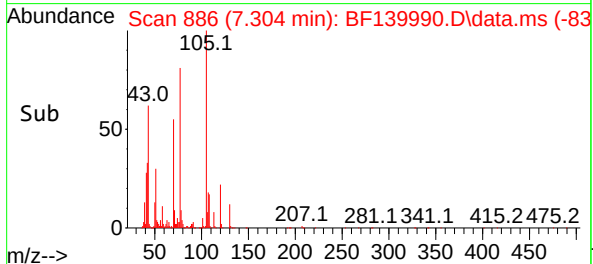
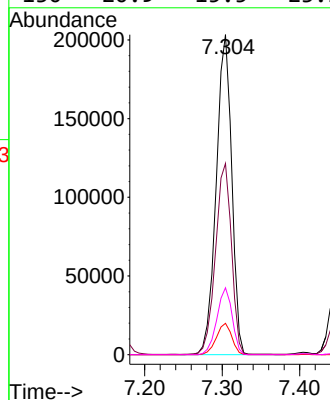
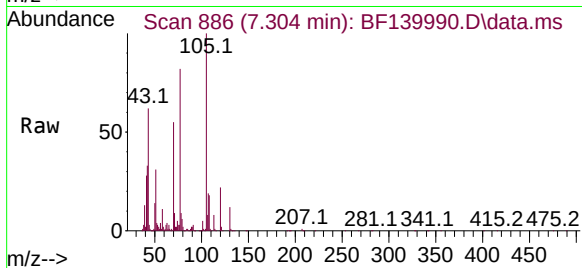
Ion Ratio Lower Upper

70 100

42 59.8 51.5 77.3

101 9.8 7.5 11.3

130 20.9 15.5 23.3



#20

3+4-Methylphenols

Concen: 36.467 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion: 107 Resp: 416195

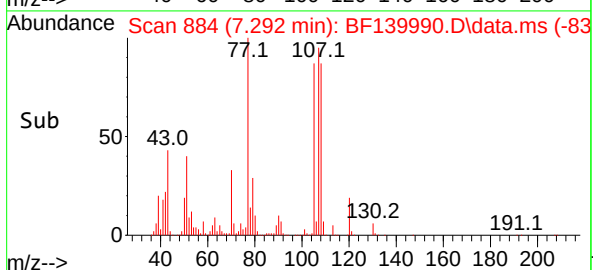
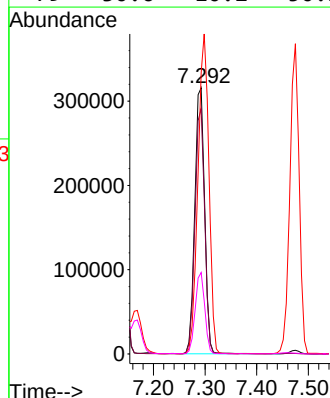
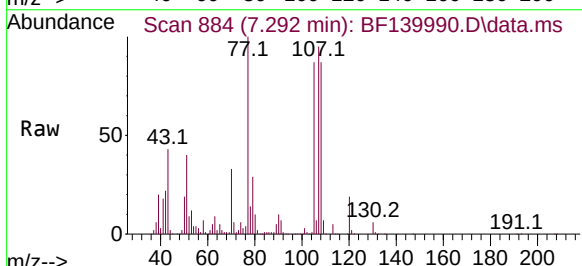
Ion Ratio Lower Upper

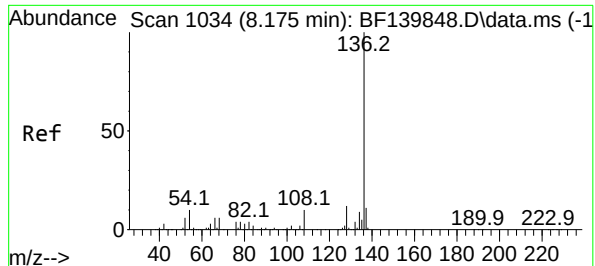
107 100

108 92.2 69.8 109.8

77 105.6 50.5 90.5#

79 30.6 10.2 50.2

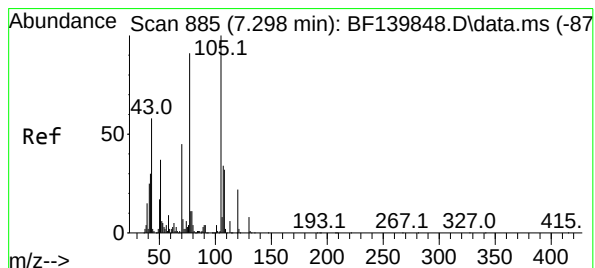
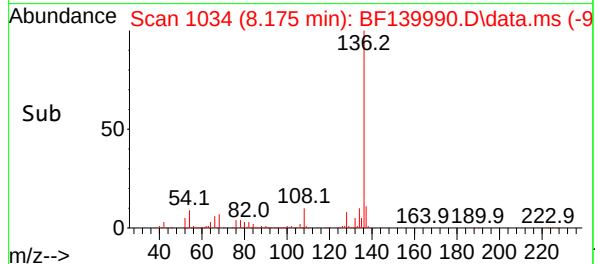
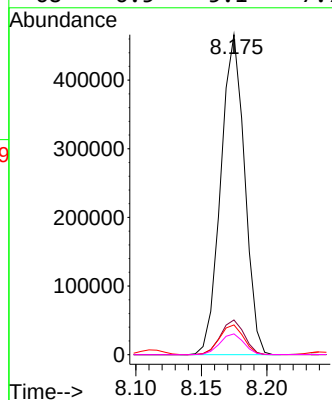
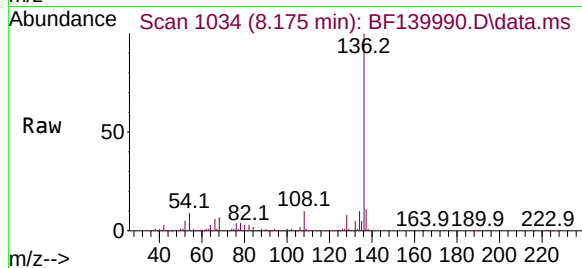




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

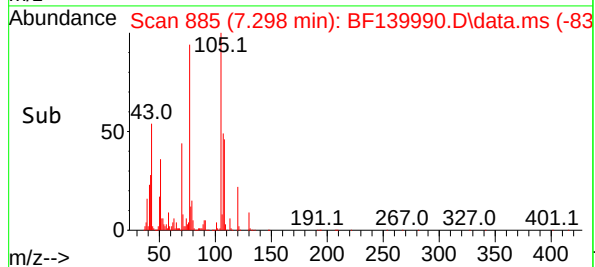
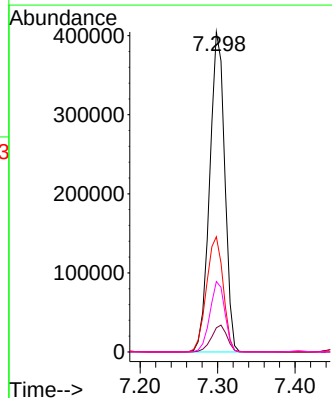
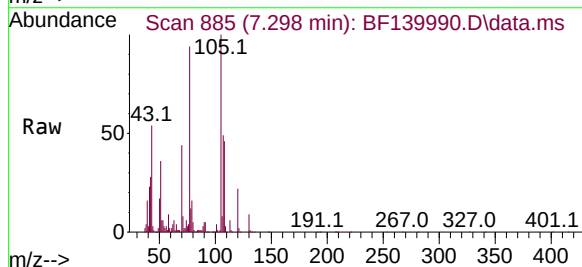
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

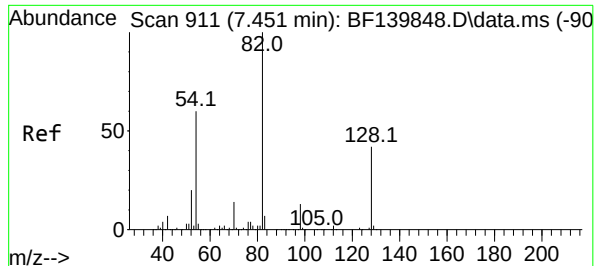
Tgt Ion:136 Resp: 587754
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.3 8.4 12.6
68 6.5 5.1 7.7



#22
Acetophenone
Concen: 37.912 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:105 Resp: 545776
Ion Ratio Lower Upper
105 100
71 7.6 5.9 8.9
51 36.0 29.4 44.2
120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.866 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

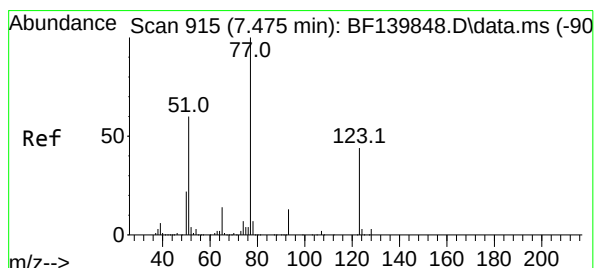
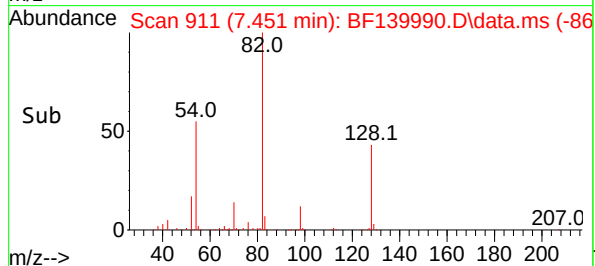
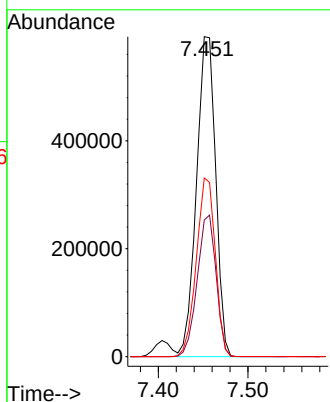
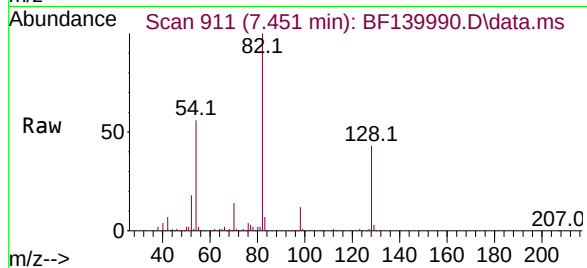
Tgt Ion: 82 Resp: 878769

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.0

54 55.8 47.8 71.8



#24

Nitrobenzene

Concen: 39.608 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

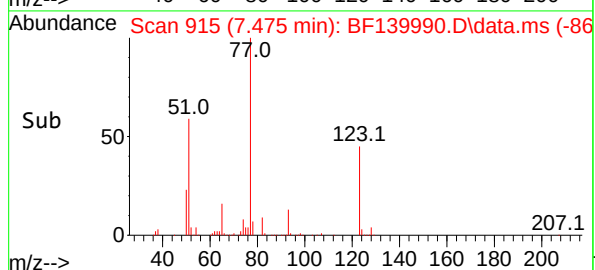
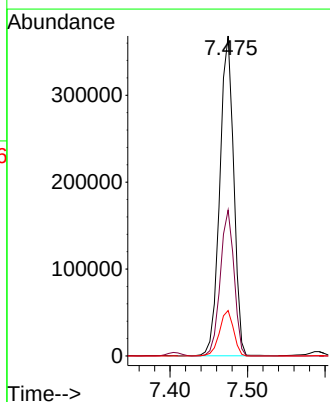
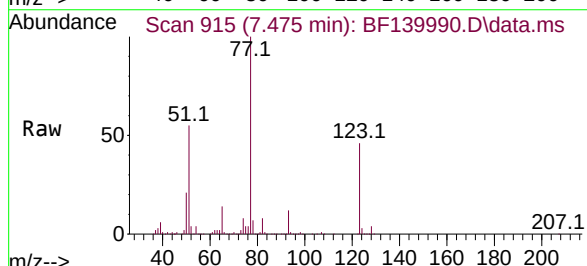
Tgt Ion: 77 Resp: 460520

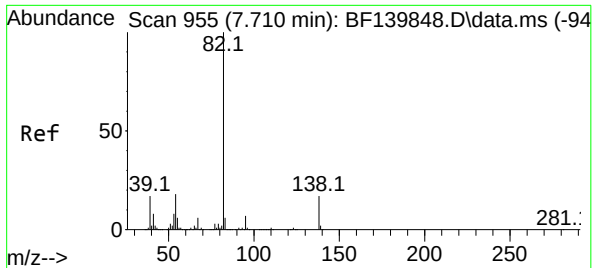
Ion Ratio Lower Upper

77 100

123 45.6 35.7 53.5

65 14.2 11.5 17.3

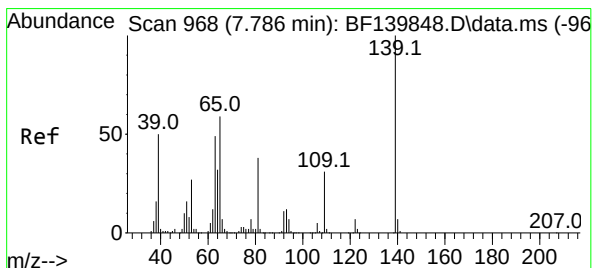
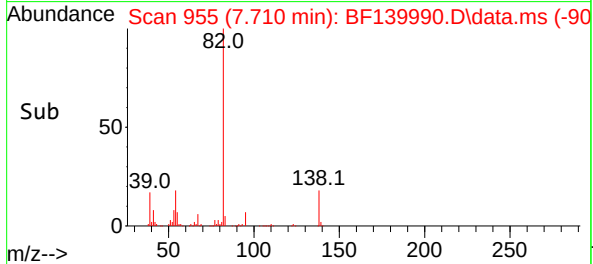
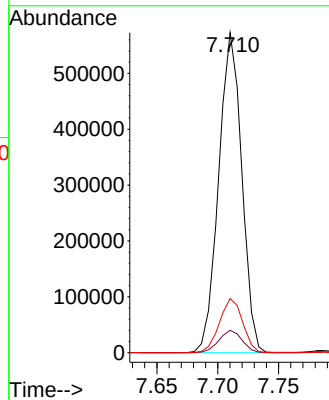
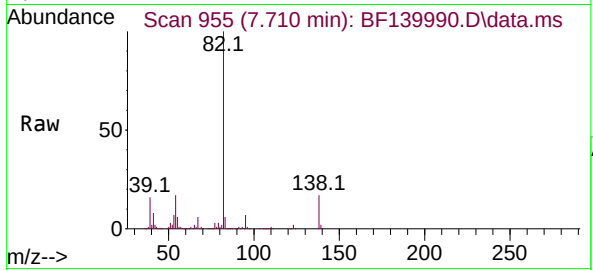




#25
Isophorone
Concen: 37.614 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

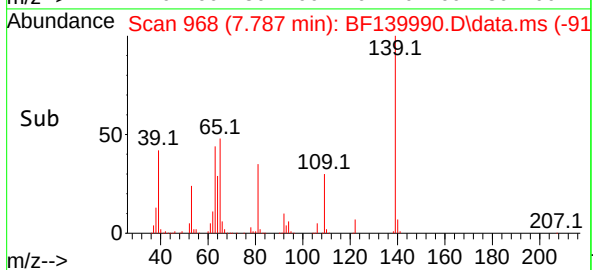
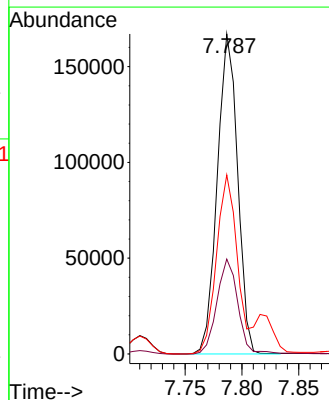
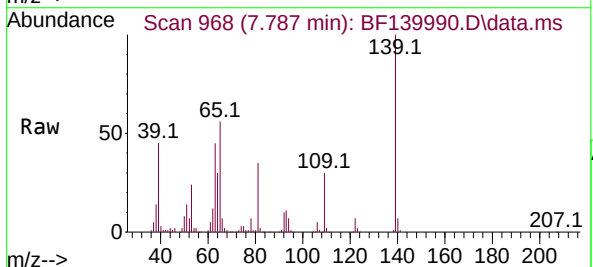
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

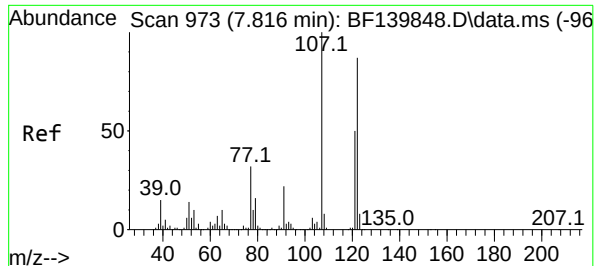
Tgt Ion: 82 Resp: 757098
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 16.9 13.2 19.8



#26
2-Nitrophenol
Concen: 47.492 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:139 Resp: 208316
Ion Ratio Lower Upper
139 100
109 29.7 25.1 37.7
65 56.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 37.550 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

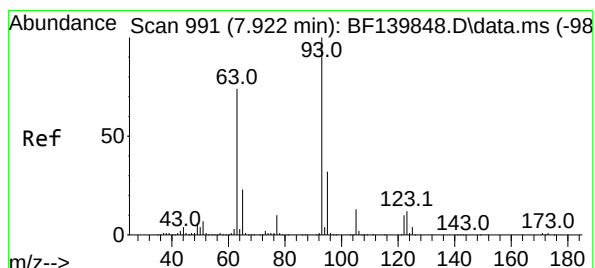
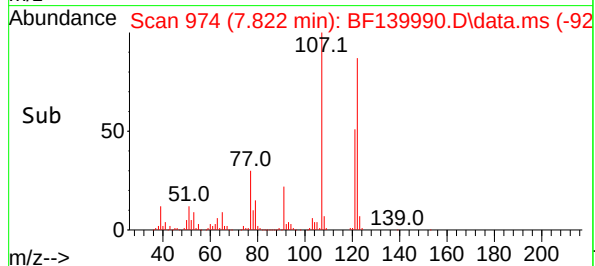
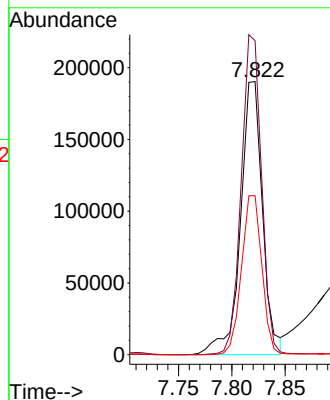
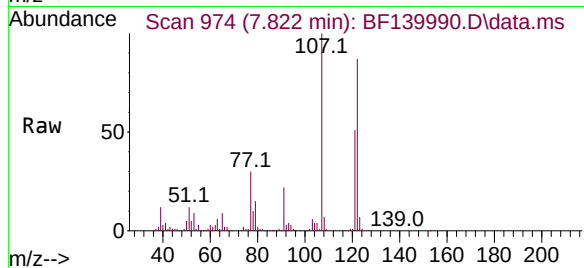
Tgt Ion:122 Resp: 274637

Ion Ratio Lower Upper

122 100

107 114.9 91.9 137.9

121 58.2 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 37.932 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

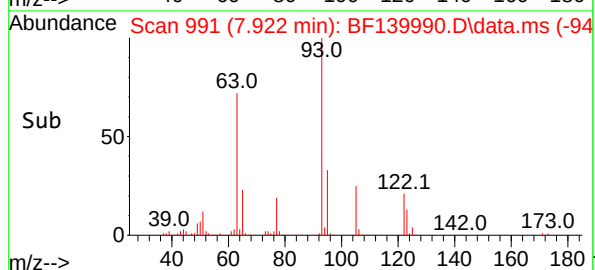
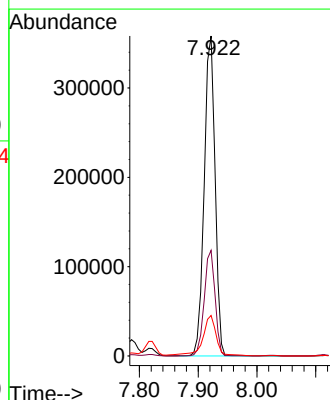
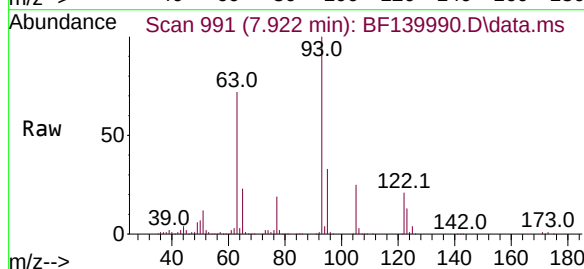
Tgt Ion: 93 Resp: 462579

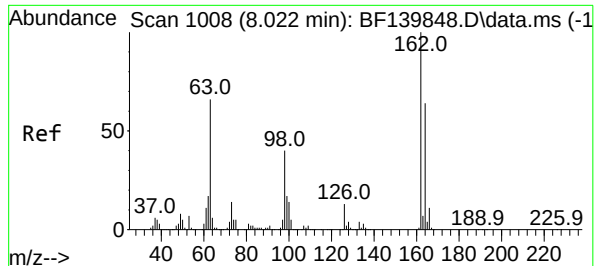
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 12.7 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.521 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

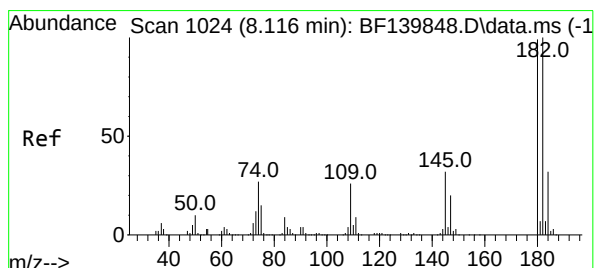
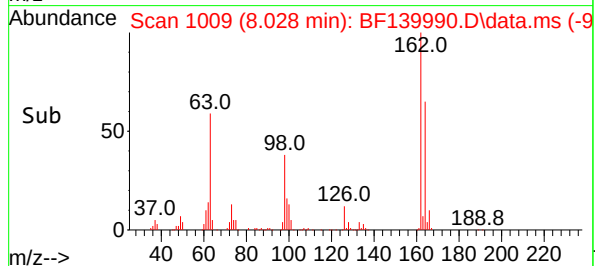
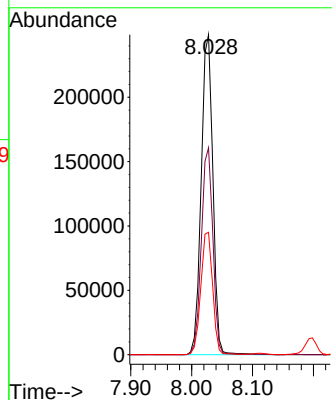
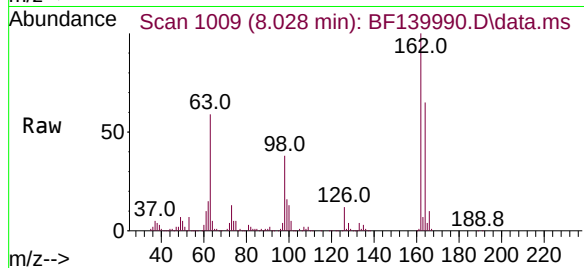
Tgt Ion:162 Resp: 329245

Ion Ratio Lower Upper

162 100

164 64.6 43.9 83.9

98 38.2 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 40.140 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

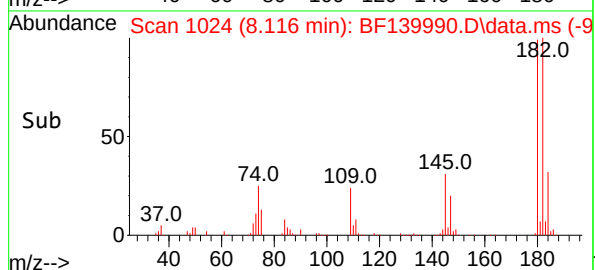
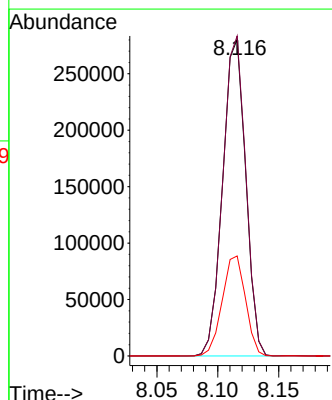
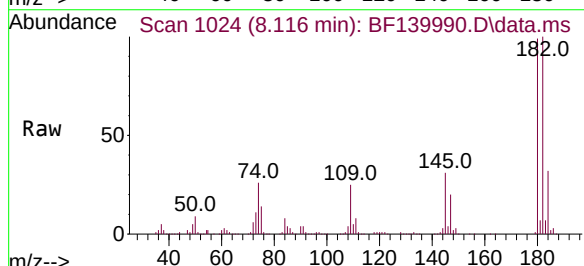
Tgt Ion:180 Resp: 370013

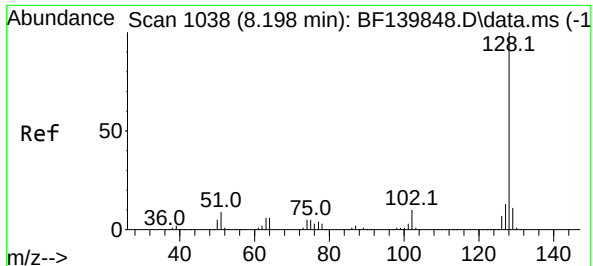
Ion Ratio Lower Upper

180 100

182 101.1 80.5 120.7

145 31.6 25.4 38.0





#31

Naphthalene

Concen: 38.897 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

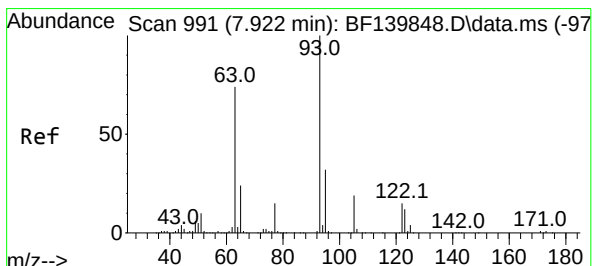
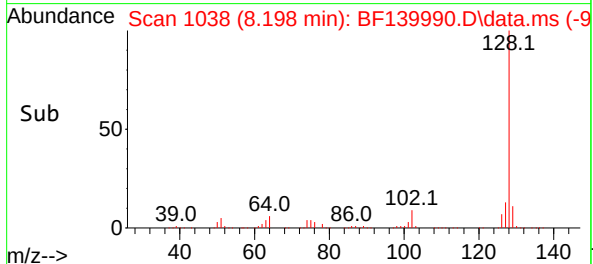
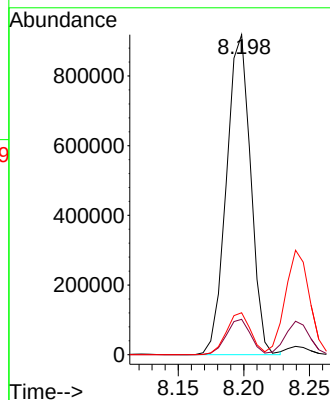
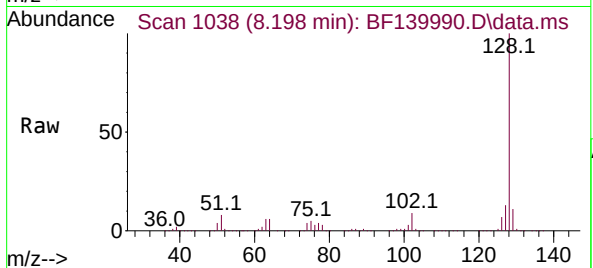
Tgt Ion:128 Resp: 1179077

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 45.616 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

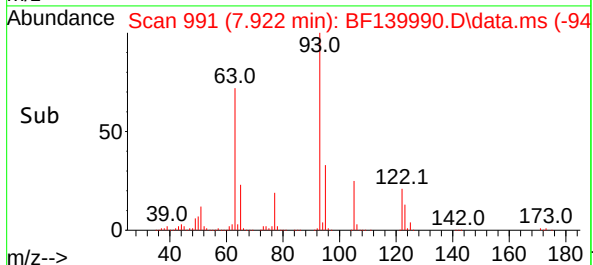
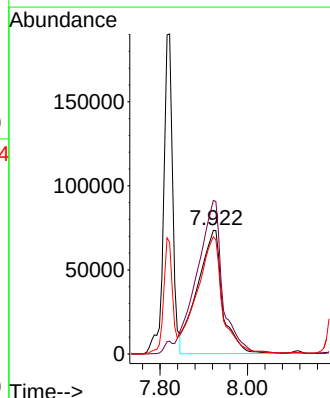
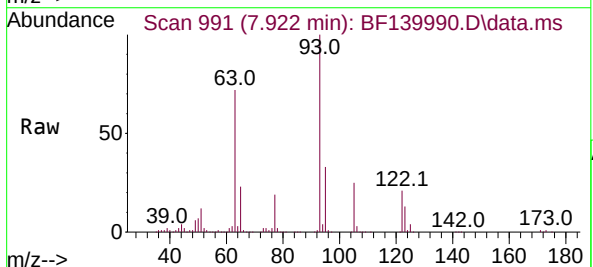
Tgt Ion:122 Resp: 290994

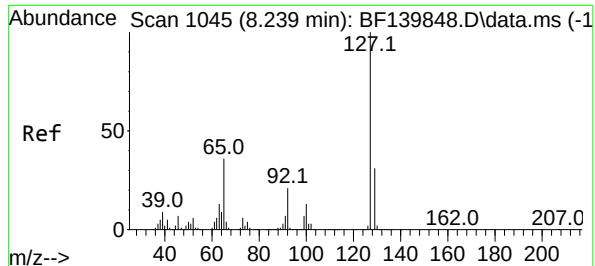
Ion Ratio Lower Upper

122 100

105 124.2 107.6 147.6

77 94.7 80.2 120.2





#33

4-Chloroaniline

Concen: 38.001 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

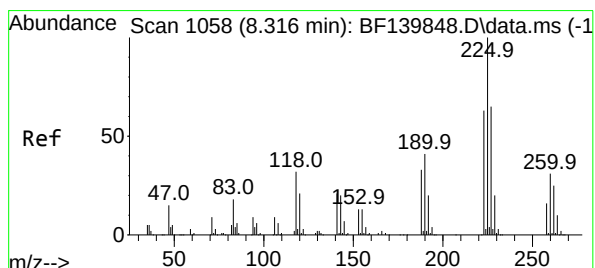
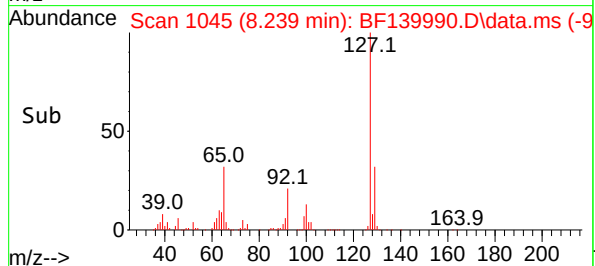
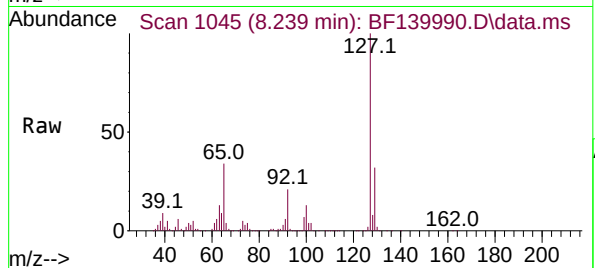
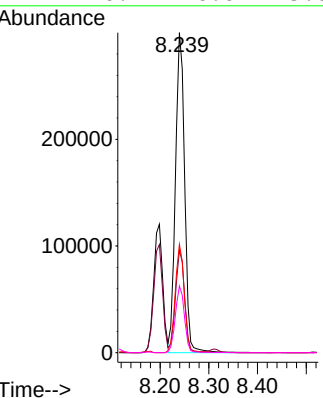
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 392794

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.2
65	33.8	28.4	42.6
92	20.9	16.6	25.0



#34

Hexachlorobutadiene

Concen: 41.060 ng

RT: 8.310 min Scan# 1057

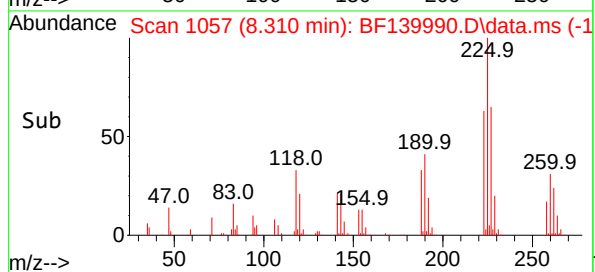
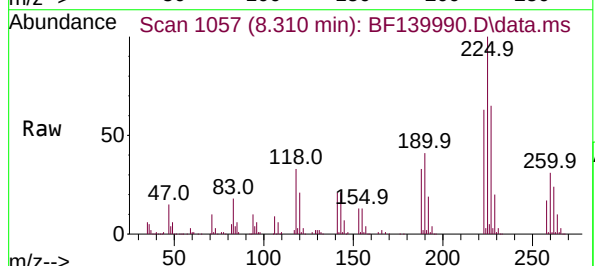
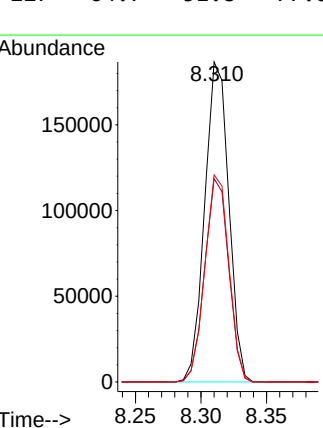
Delta R.T. -0.006 min

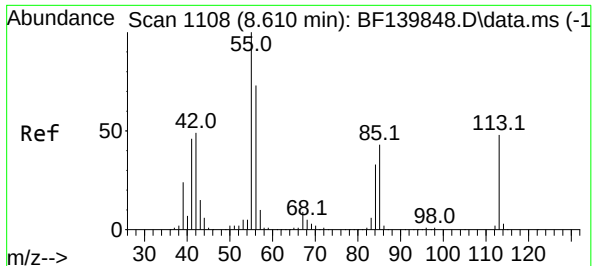
Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:225 Resp: 237818

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.6	76.0
227	64.7	51.8	77.8





#35

Caprolactam

Concen: 38.918 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

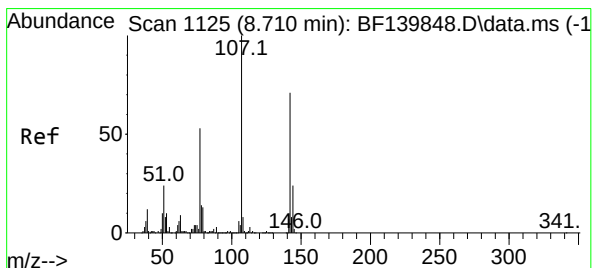
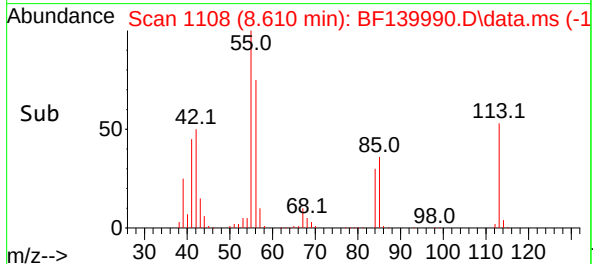
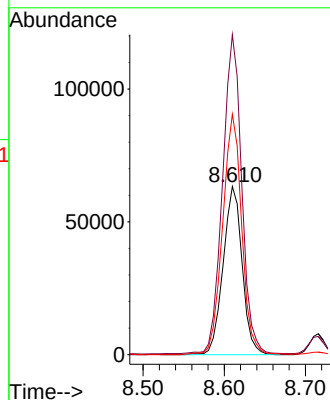
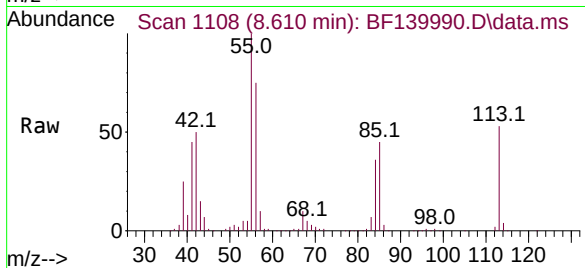
Tgt Ion:113 Resp: 103091

Ion Ratio Lower Upper

113 100

55 190.2 189.2 229.2

56 143.0 132.5 172.5



#36

4-Chloro-3-methylphenol

Concen: 38.132 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

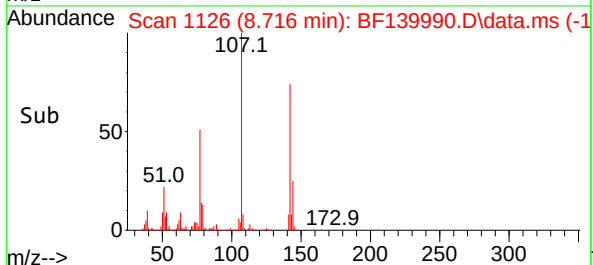
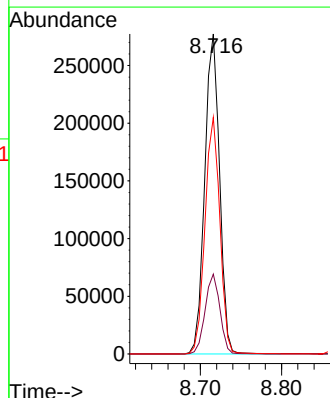
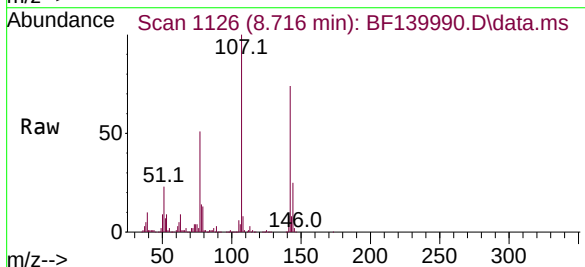
Tgt Ion:107 Resp: 351754

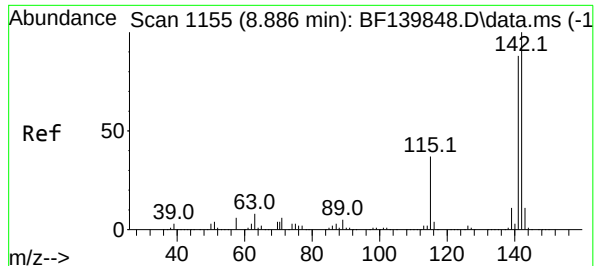
Ion Ratio Lower Upper

107 100

144 25.0 19.1 28.7

142 73.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 38.975 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

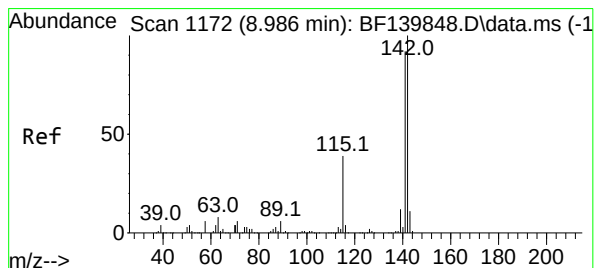
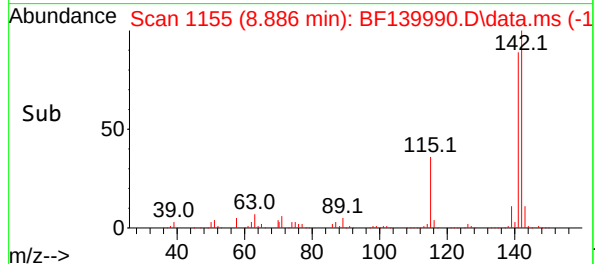
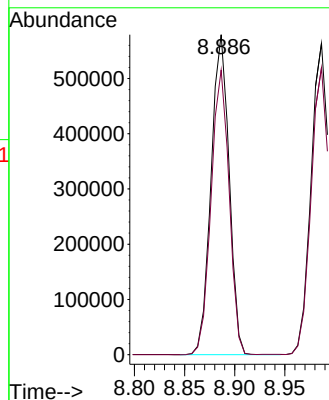
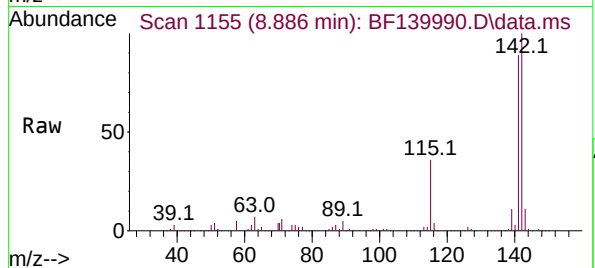
SSTDCCC040

Tgt Ion:142 Resp: 723557

Ion Ratio Lower Upper

142 100

141 89.0 70.8 106.2



#38

1-Methylnaphthalene

Concen: 38.809 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139990.D

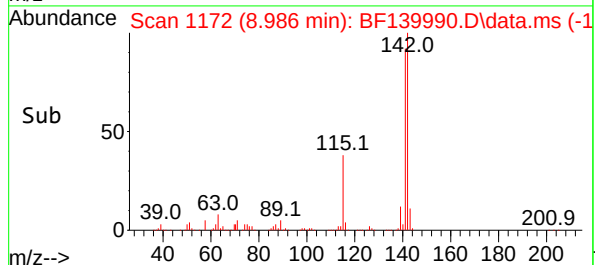
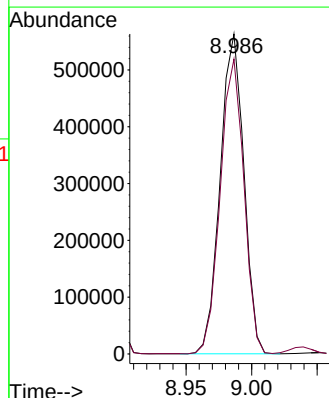
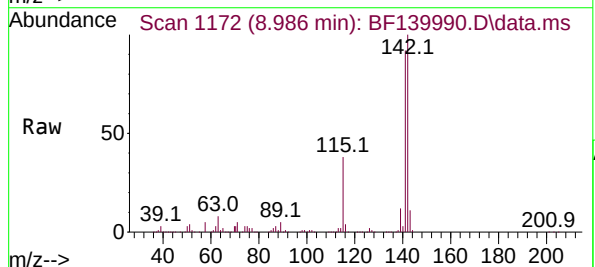
Acq: 24 Oct 2024 09:55

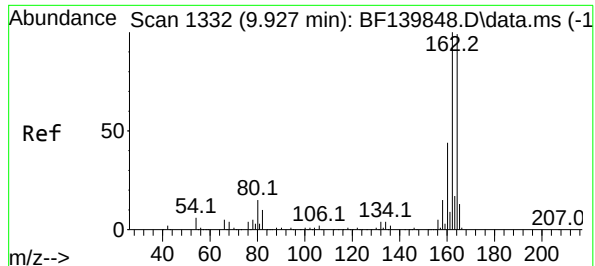
Tgt Ion:142 Resp: 706876

Ion Ratio Lower Upper

142 100

141 92.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

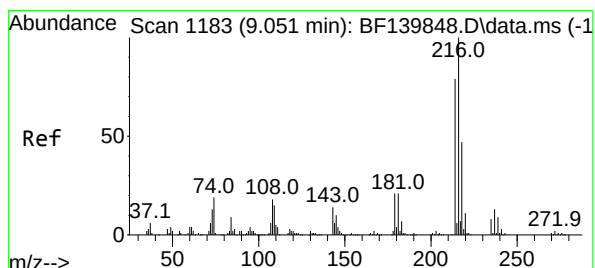
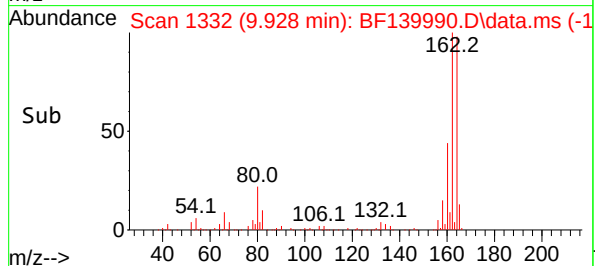
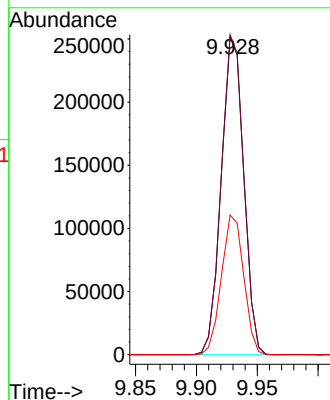
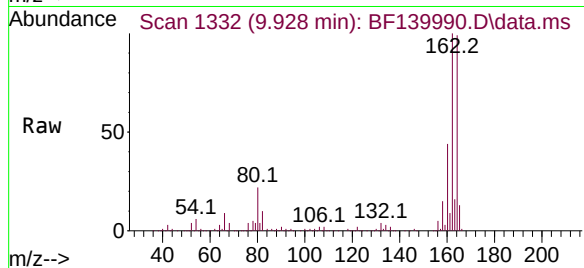
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 322730

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.0	121.4
160	43.9	35.4	53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.864 ng

RT: 9.051 min Scan# 1183

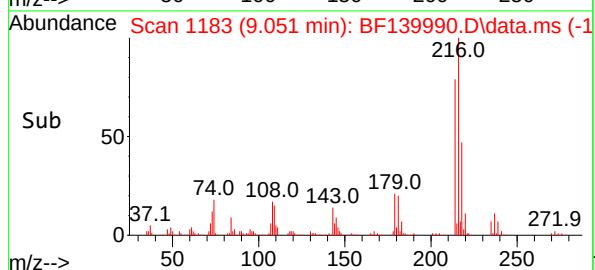
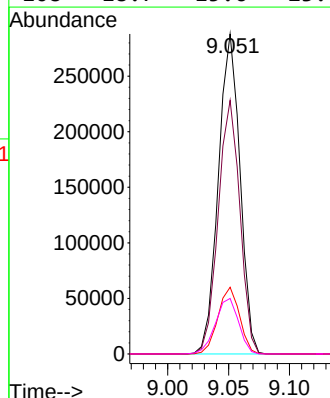
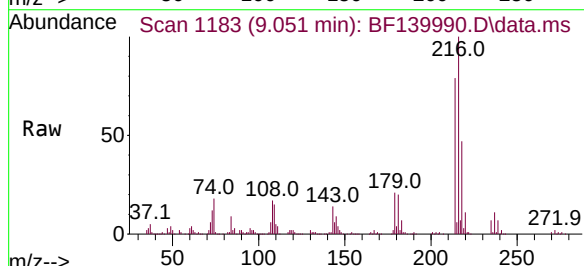
Delta R.T. 0.000 min

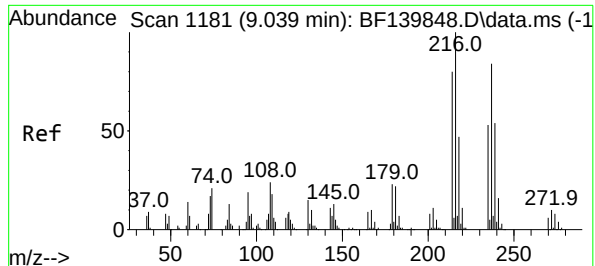
Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:216 Resp: 355797

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.0
179	20.8	17.2	25.8
108	18.7	15.6	23.4

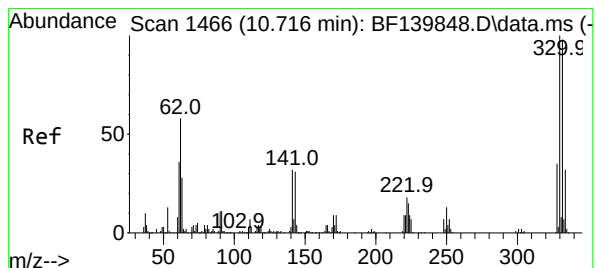
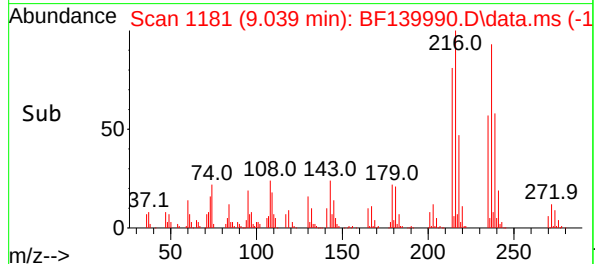
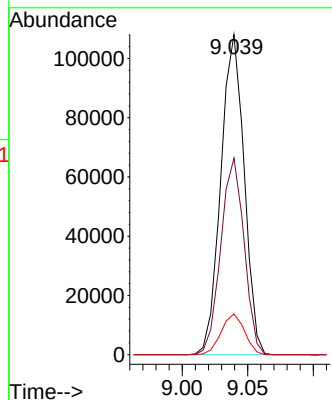
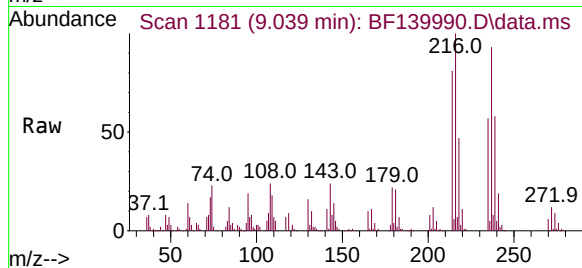




#41
Hexachlorocyclopentadiene
Concen: 44.115 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

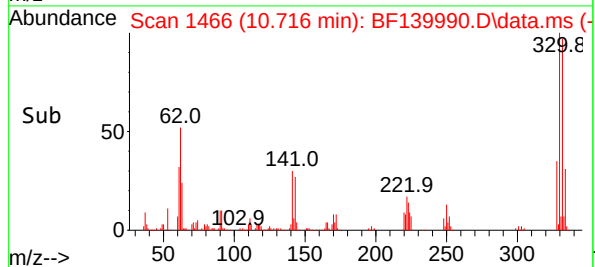
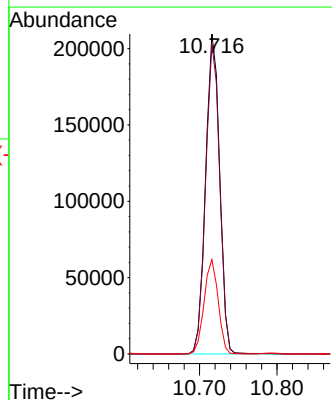
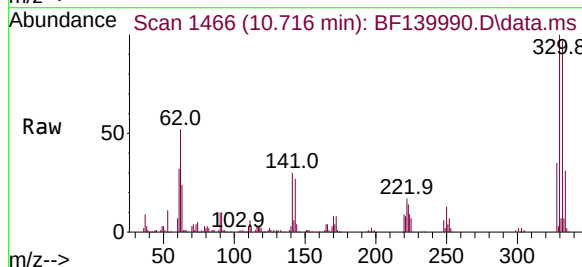
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

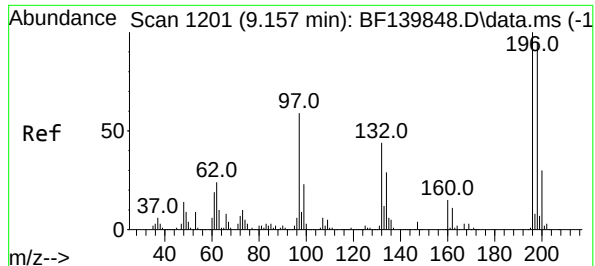
Tgt Ion:237 Resp: 133648
Ion Ratio Lower Upper
237 100
235 61.4 42.9 82.9
272 12.8 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 87.672 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:330 Resp: 264656
Ion Ratio Lower Upper
330 100
332 96.8 78.1 117.1
141 29.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 42.231 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

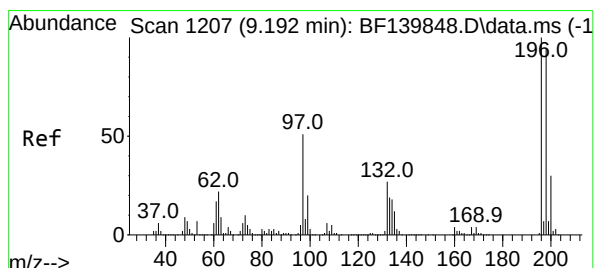
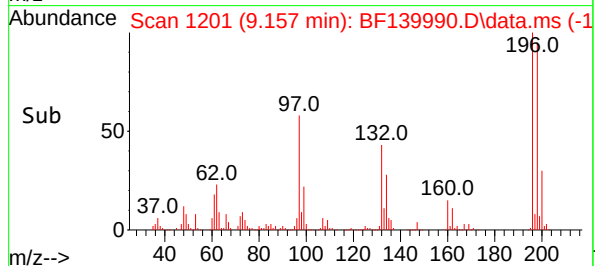
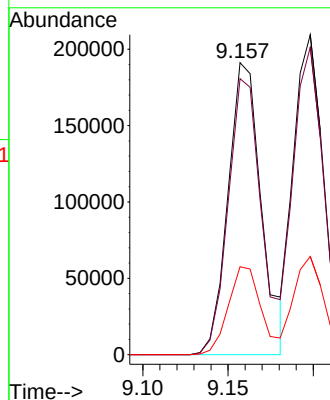
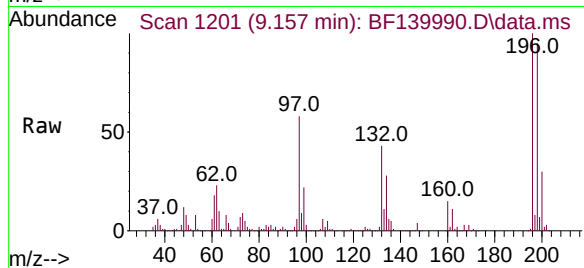
Tgt Ion:196 Resp: 260321

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

200 30.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 40.103 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Tgt Ion:196 Resp: 255051

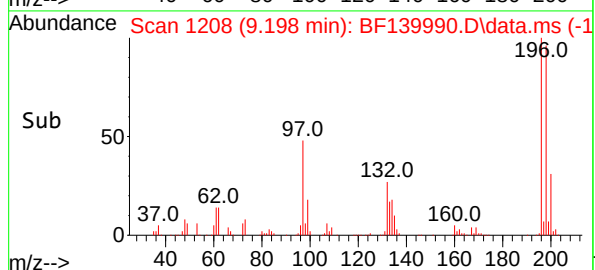
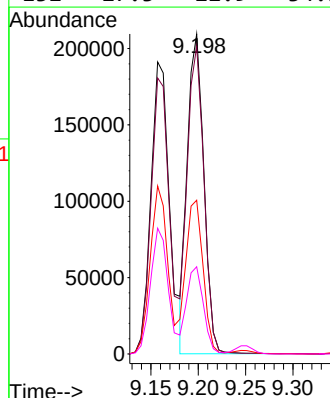
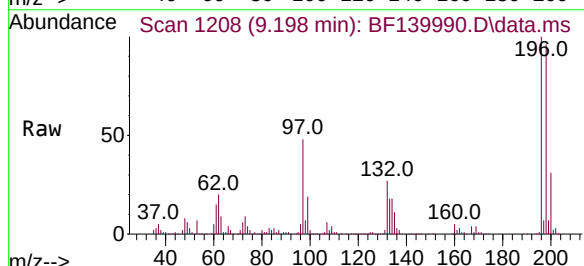
Ion Ratio Lower Upper

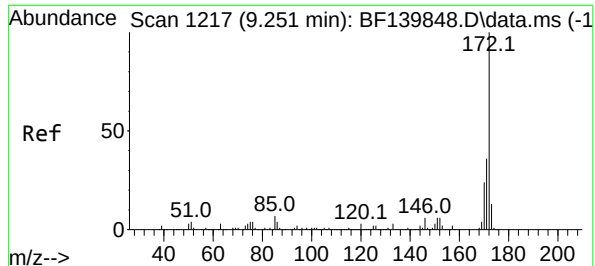
196 100

198 96.1 75.8 113.6

97 48.1 41.8 62.6

132 27.3 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 78.229 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

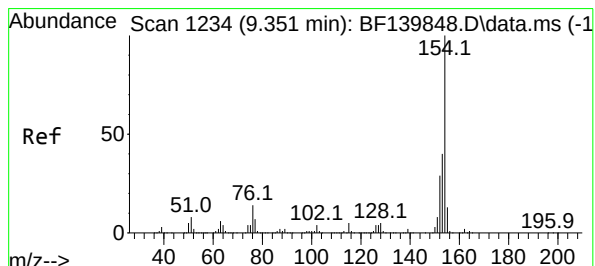
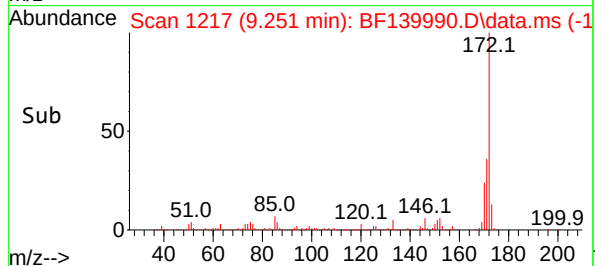
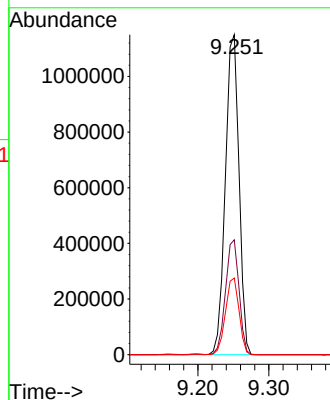
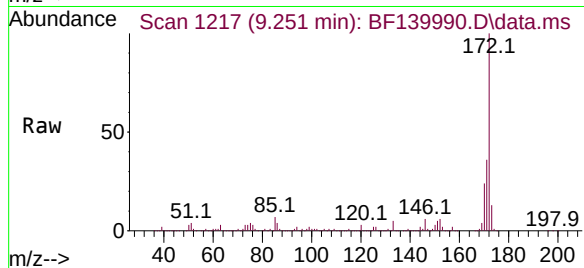
Tgt Ion:172 Resp: 1527609

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.0 19.1 28.7



#46

1,1'-Biphenyl

Concen: 39.383 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

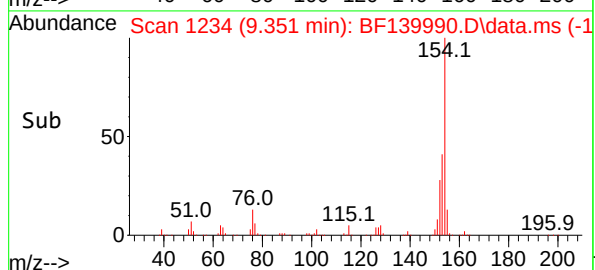
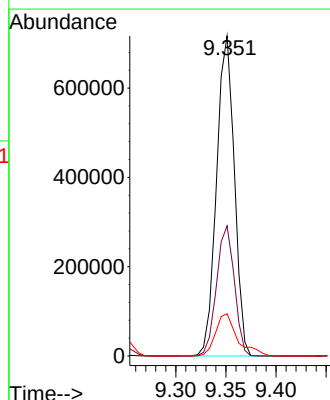
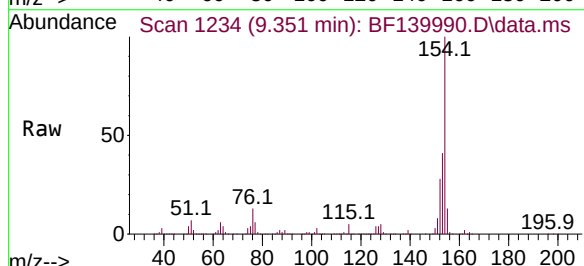
Tgt Ion:154 Resp: 884807

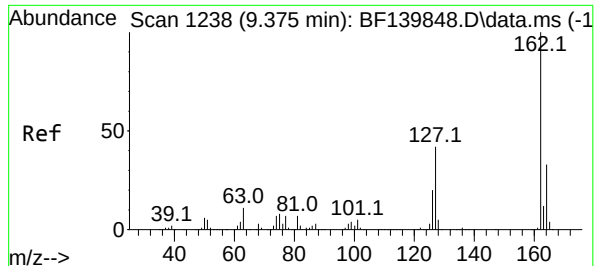
Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 13.2 0.0 33.9





#47

2-Chloronaphthalene

Concen: 39.600 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

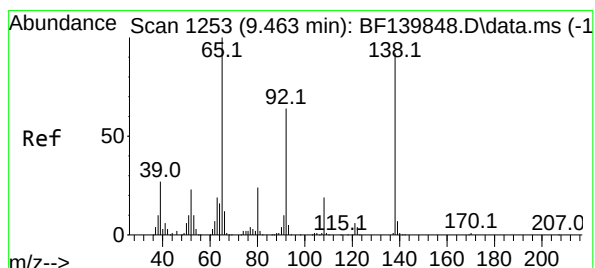
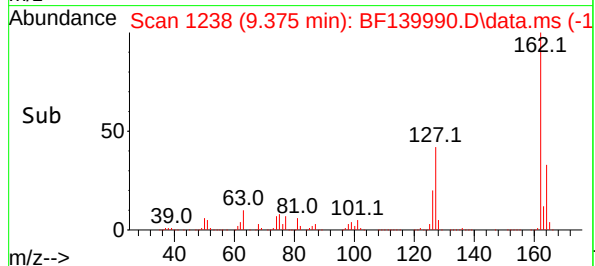
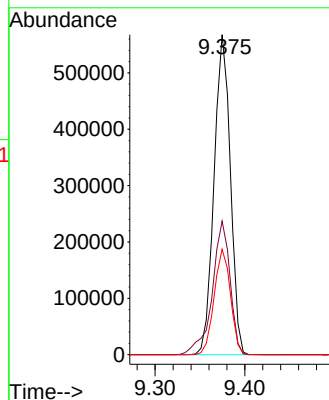
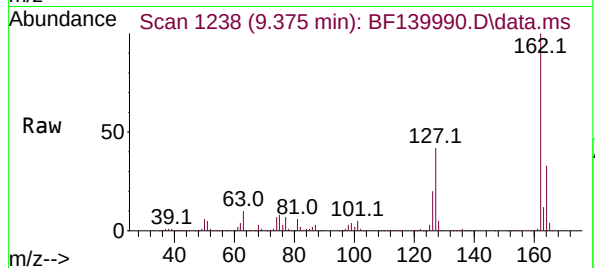
Tgt Ion:162 Resp: 716569

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.9 26.6 39.8



#48

2-Nitroaniline

Concen: 42.243 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

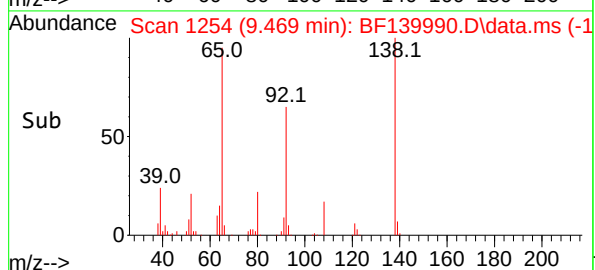
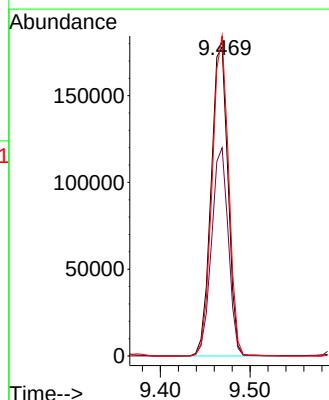
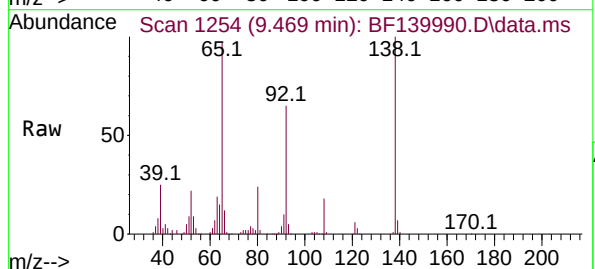
Tgt Ion: 65 Resp: 233781

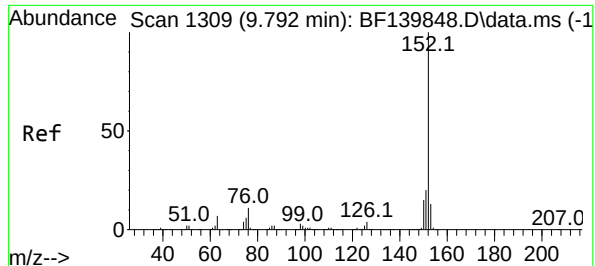
Ion Ratio Lower Upper

65 100

92 67.3 50.9 76.3

138 103.5 73.4 110.0





#49

Acenaphthylene

Concen: 39.009 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

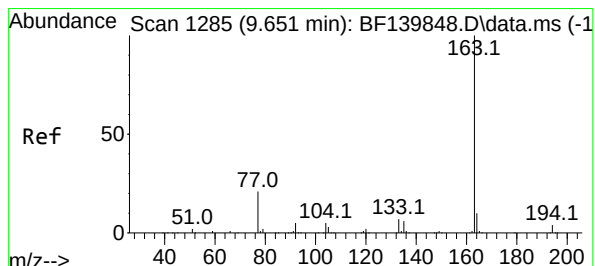
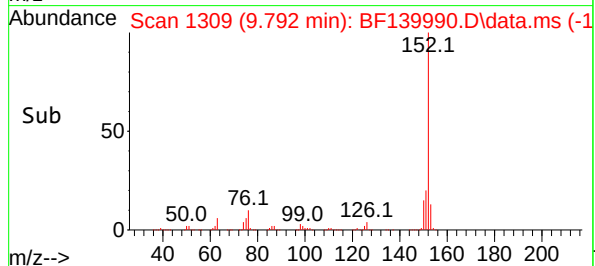
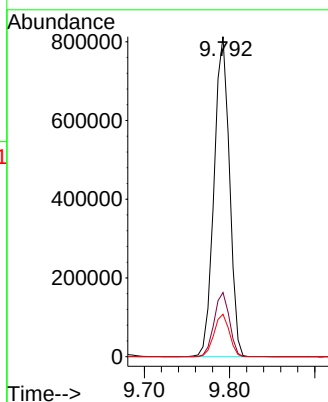
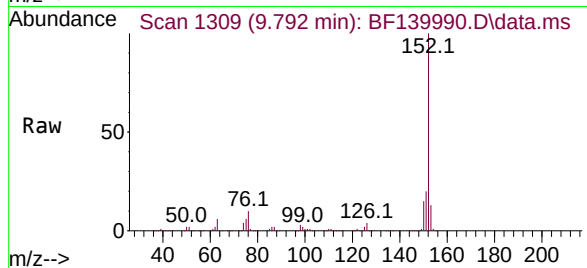
Tgt Ion:152 Resp: 1020484

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.3 10.7 16.1



#50

Dimethylphthalate

Concen: 38.796 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

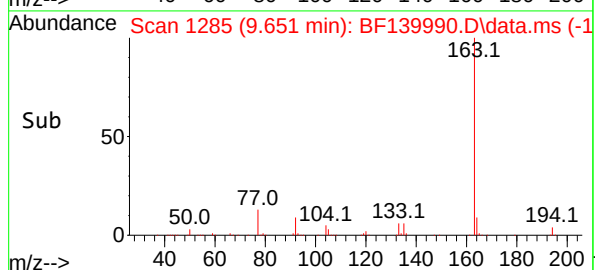
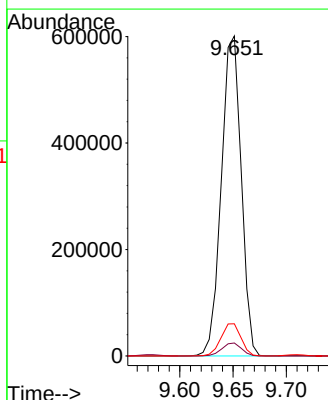
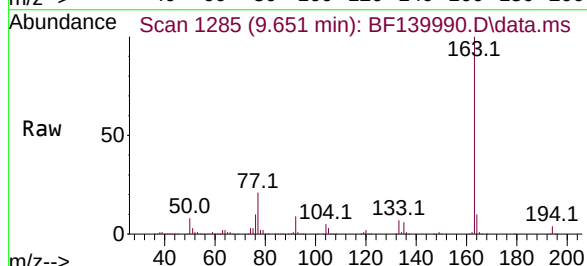
Tgt Ion:163 Resp: 779891

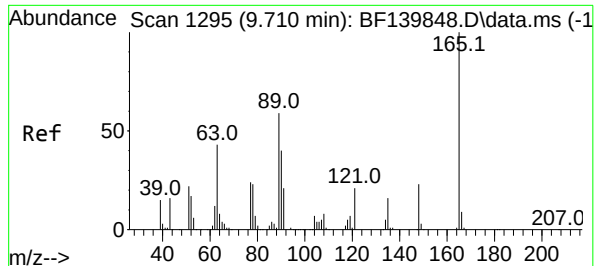
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.1 8.2 12.2

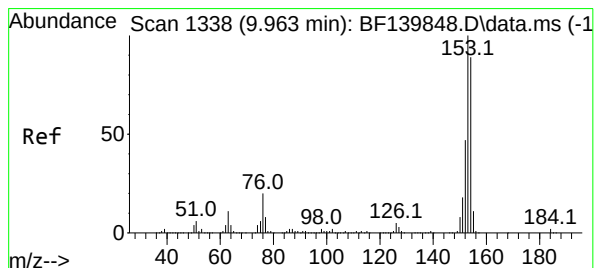
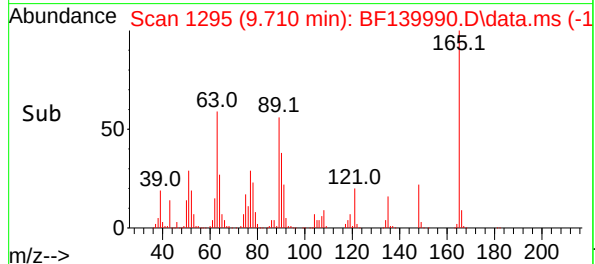
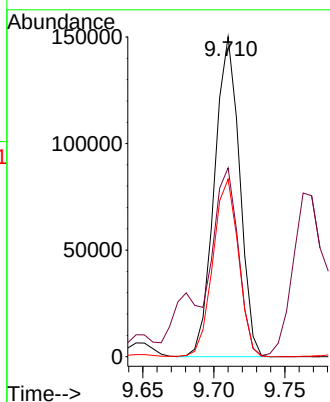
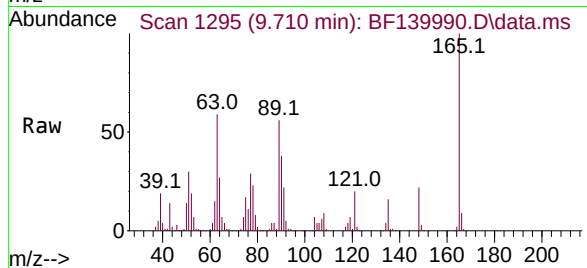




#51
2,6-Dinitrotoluene
Concen: 42.481 ng
RT: 9.710 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

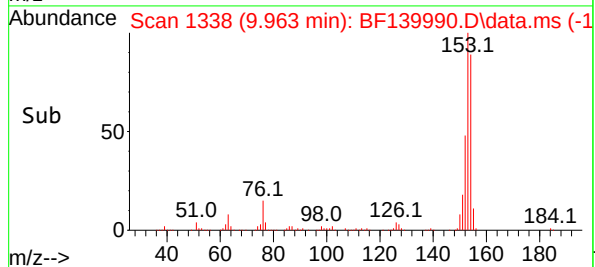
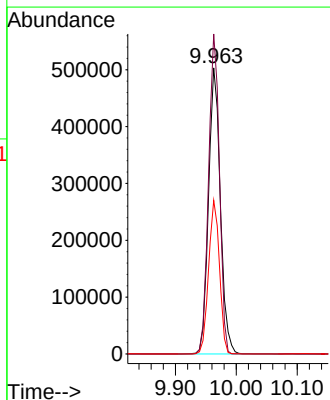
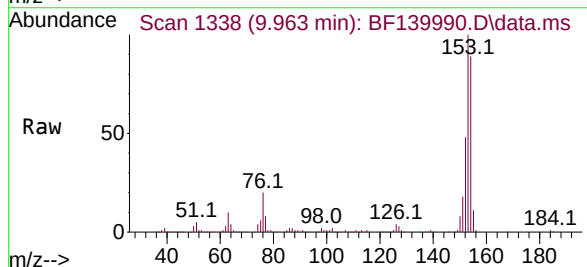
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

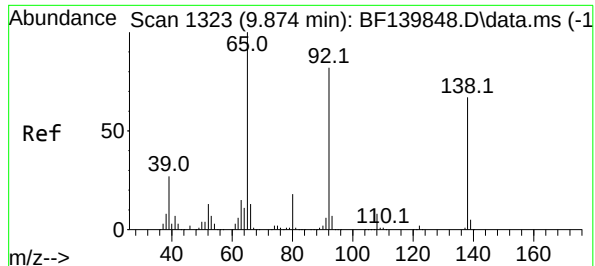
Tgt Ion:165 Resp: 184898
Ion Ratio Lower Upper
165 100
63 59.0 50.6 75.8
89 55.5 47.5 71.3



#52
Acenaphthene
Concen: 40.099 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:154 Resp: 678587
Ion Ratio Lower Upper
154 100
153 111.8 89.8 134.6
152 53.7 42.4 63.6





#53

3-Nitroaniline

Concen: 40.785 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

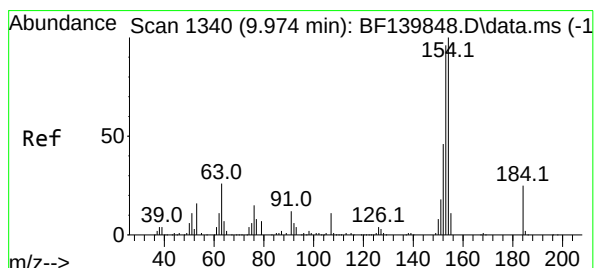
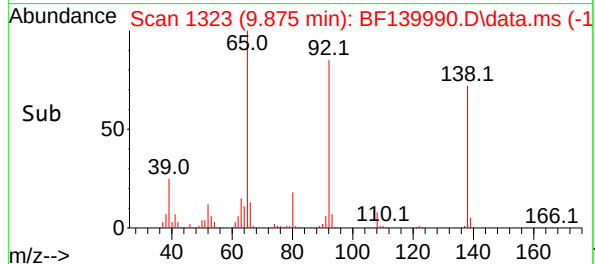
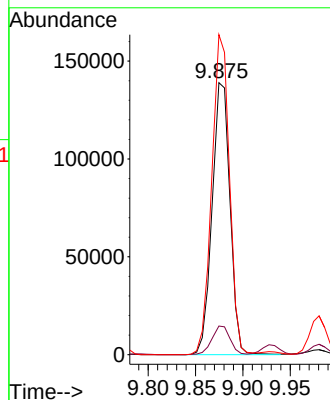
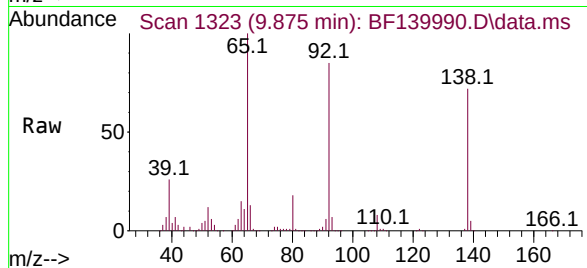
Tgt Ion:138 Resp: 183065

Ion Ratio Lower Upper

138 100

108 10.5 10.2 15.2

92 117.6 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 55.091 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.007 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

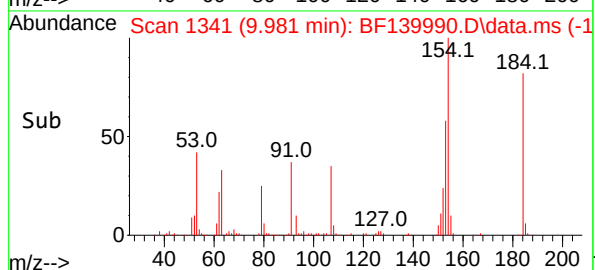
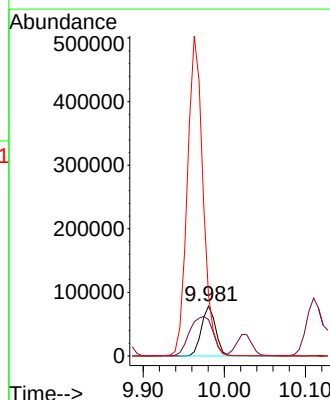
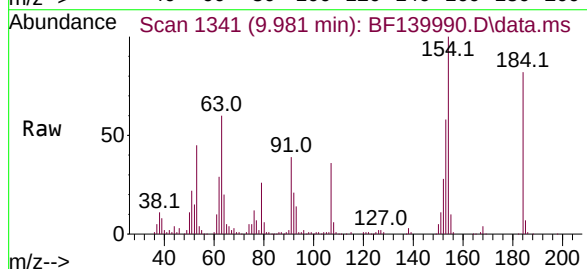
Tgt Ion:184 Resp: 95624

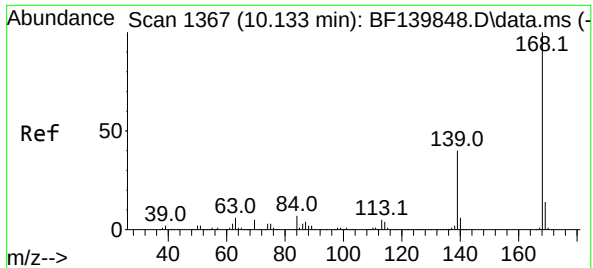
Ion Ratio Lower Upper

184 100

63 72.7 84.7 127.1#

154 121.9 338.2 507.2#

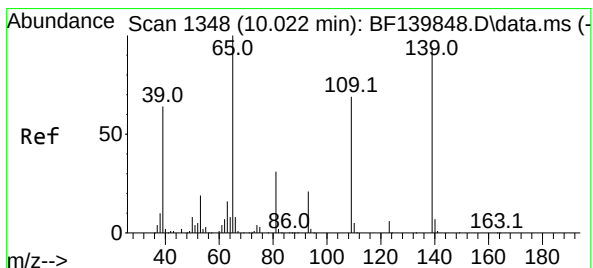
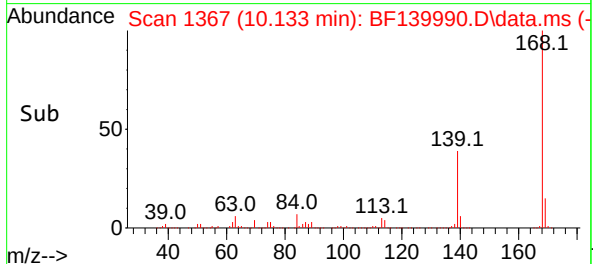
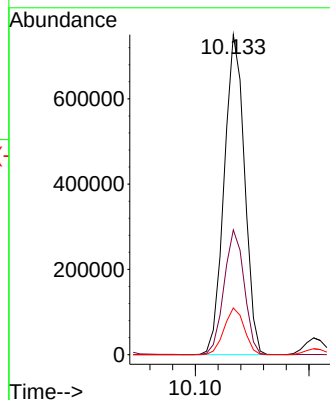
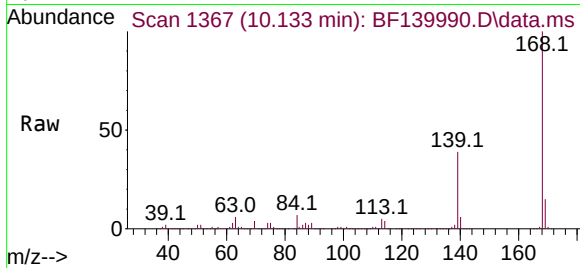




#55
Dibenzofuran
Concen: 38.488 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

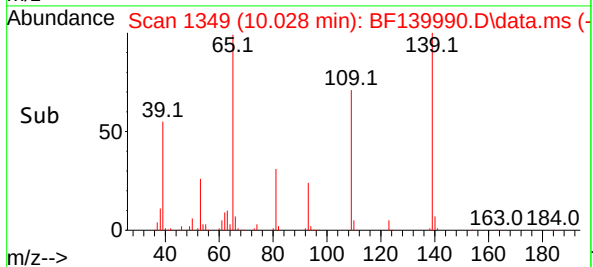
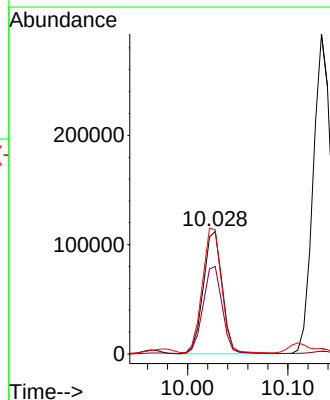
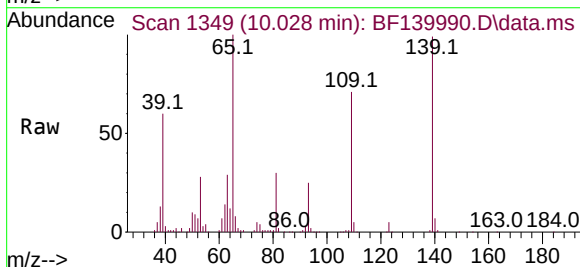
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

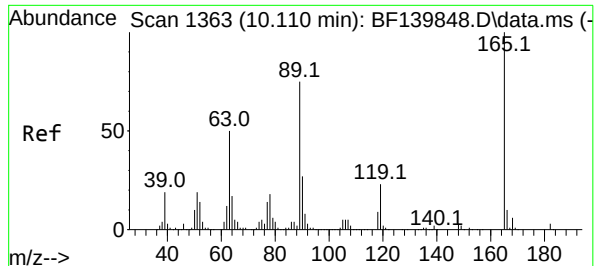
Tgt Ion:168 Resp: 934503
Ion Ratio Lower Upper
168 100
139 39.0 31.8 47.6
169 14.6 11.6 17.4



#56
4-Nitrophenol
Concen: 42.808 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:139 Resp: 147827
Ion Ratio Lower Upper
139 100
109 71.5 53.6 93.6
65 101.3 87.8 127.8

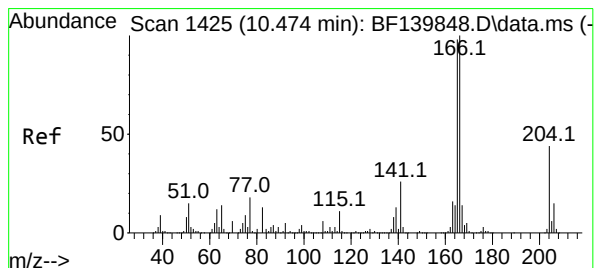
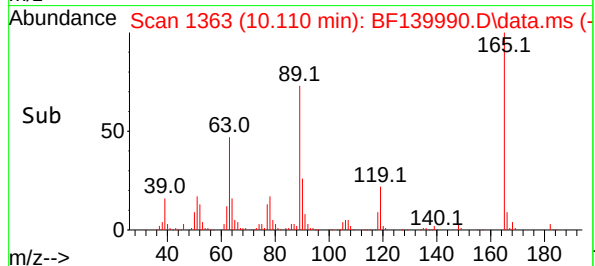
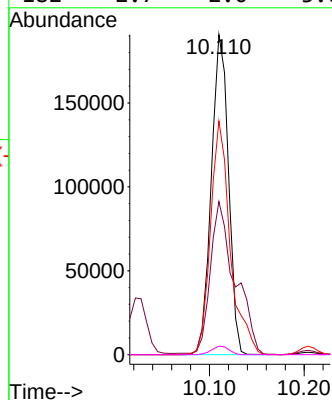
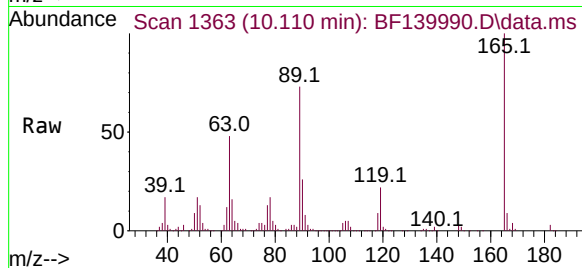




#57
2,4-Dinitrotoluene
Concen: 44.729 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

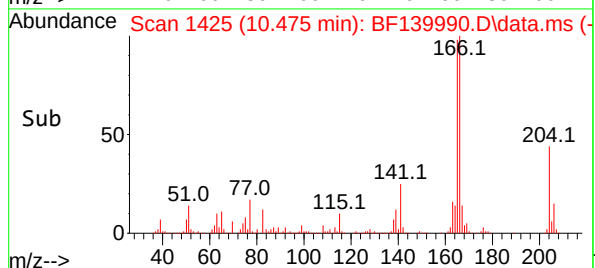
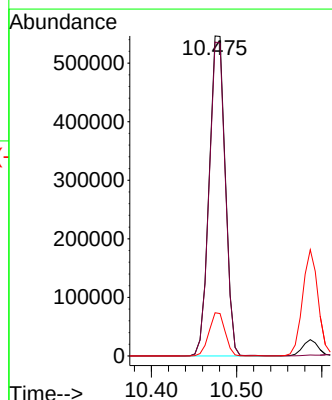
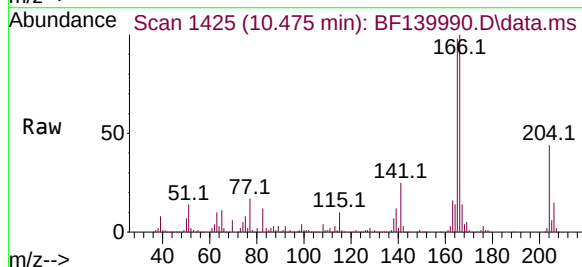
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

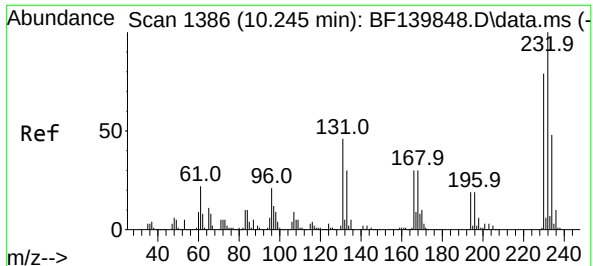
Tgt Ion:165 Resp: 239410
Ion Ratio Lower Upper
165 100
63 47.8 40.1 60.1
89 73.0 60.4 90.6
182 2.7 2.0 3.0



#58
Fluorene
Concen: 38.758 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:166 Resp: 716749
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.690 ng

RT: 10.251 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 207853

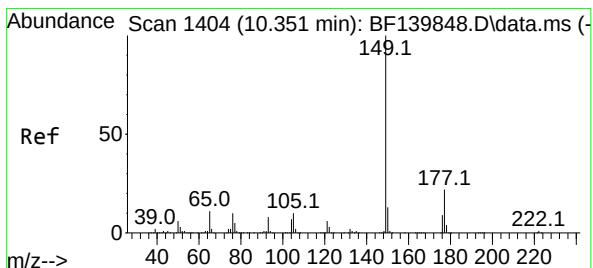
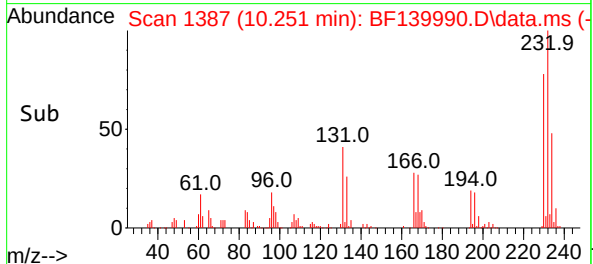
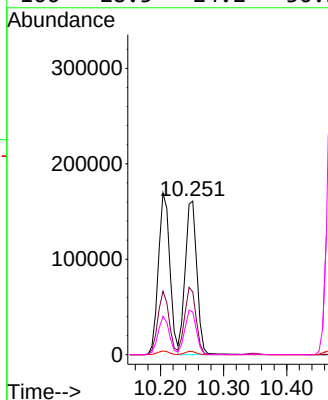
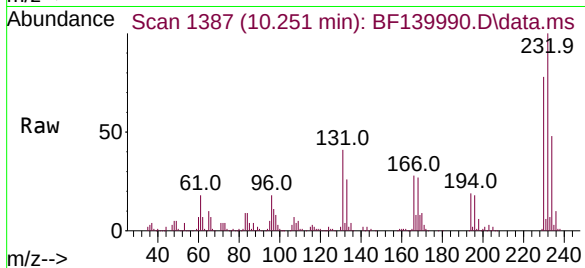
Ion Ratio Lower Upper

232 100

131 42.7 37.0 55.6

130 2.1 1.9 2.9

166 28.5 24.2 36.2



#60

Diethylphthalate

Concen: 38.433 ng

RT: 10.345 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

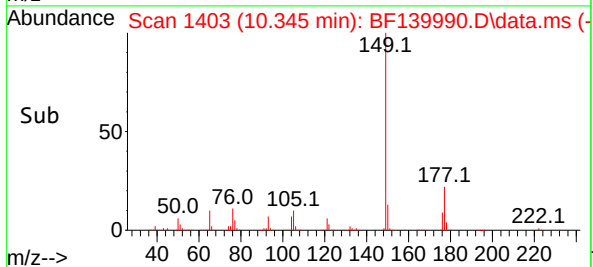
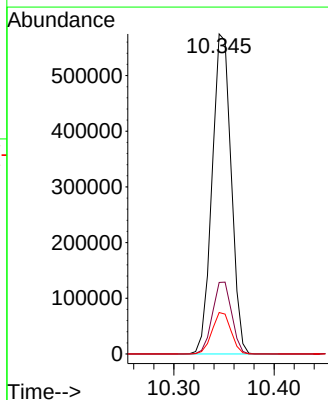
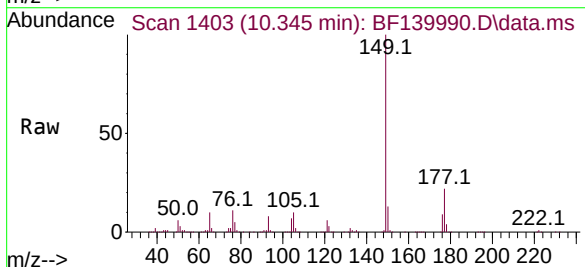
Tgt Ion:149 Resp: 758570

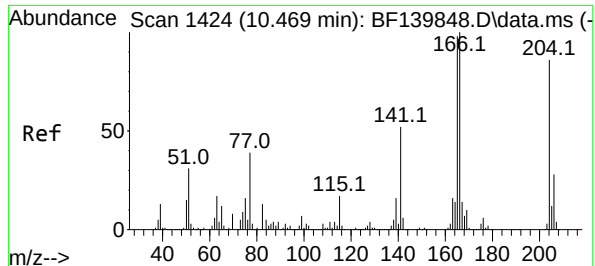
Ion Ratio Lower Upper

149 100

177 22.3 17.9 26.9

150 12.9 10.1 15.1

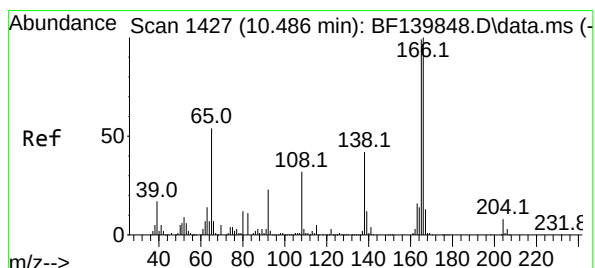
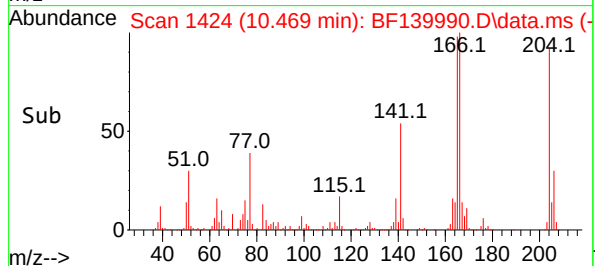
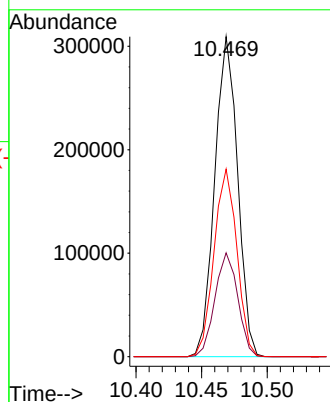
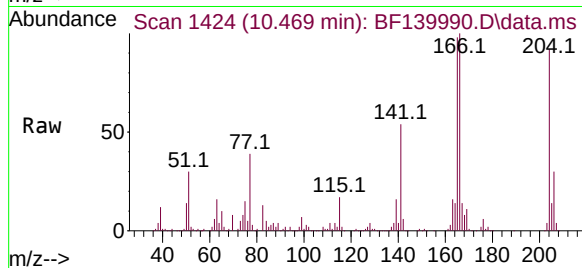




#61
4-Chlorophenyl-phenylether
Concen: 40.111 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

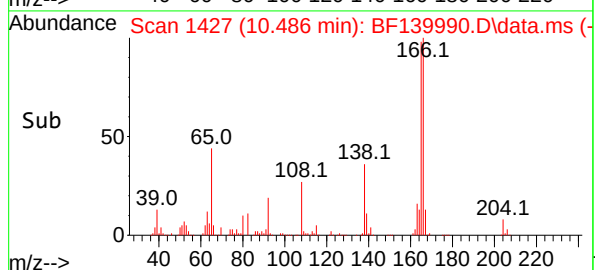
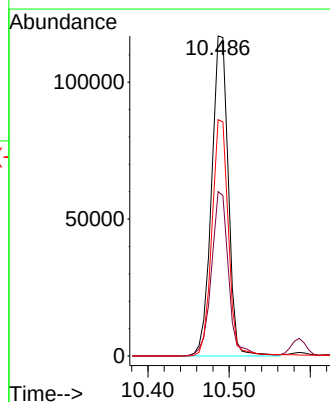
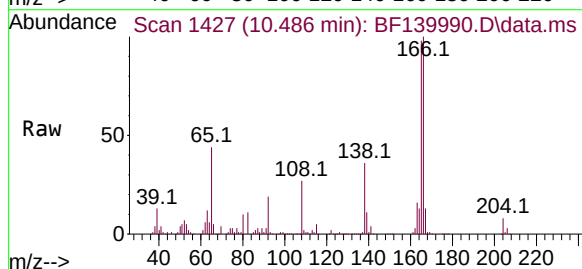
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

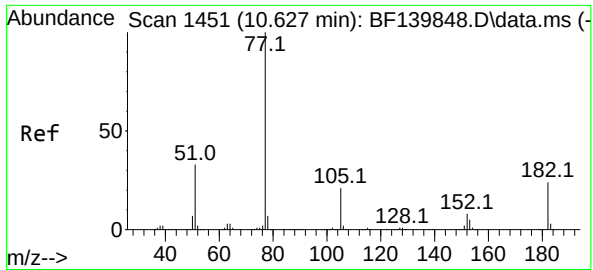
Tgt Ion:204 Resp: 374601
Ion Ratio Lower Upper
204 100
206 32.4 26.3 39.5
141 58.6 48.6 73.0



#62
4-Nitroaniline
Concen: 39.396 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:138 Resp: 167010
Ion Ratio Lower Upper
138 100
92 51.4 35.7 75.7
108 73.9 57.5 97.5

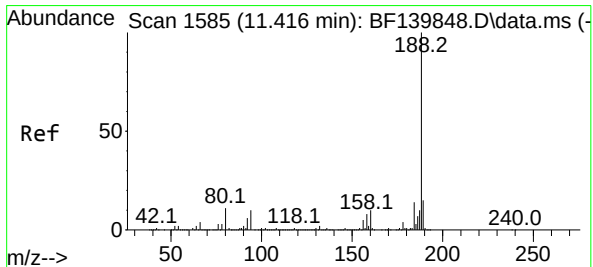
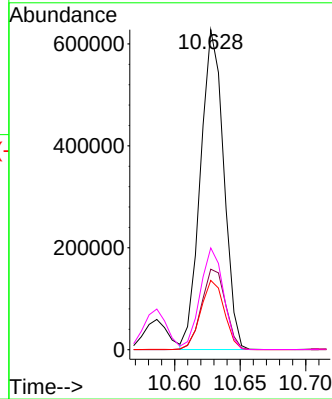
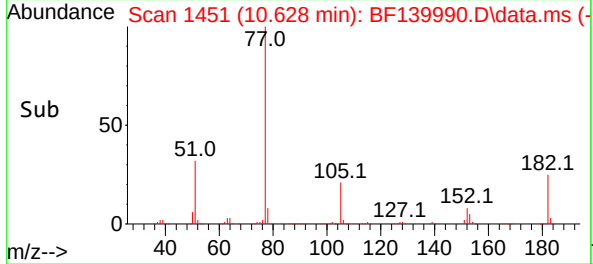
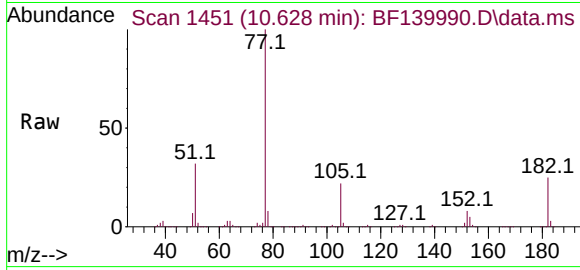




#63
Azobenzene
Concen: 37.078 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

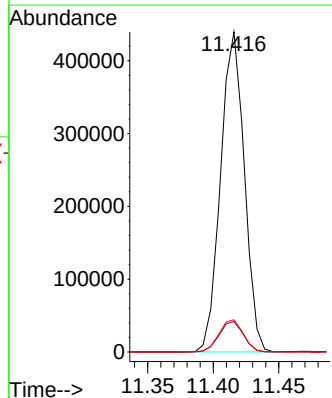
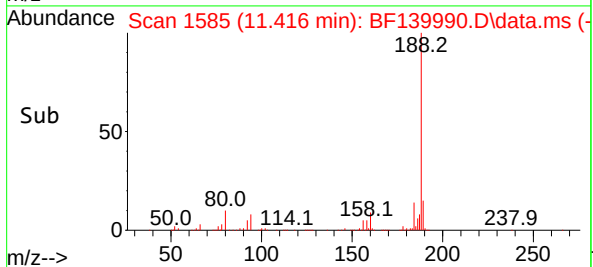
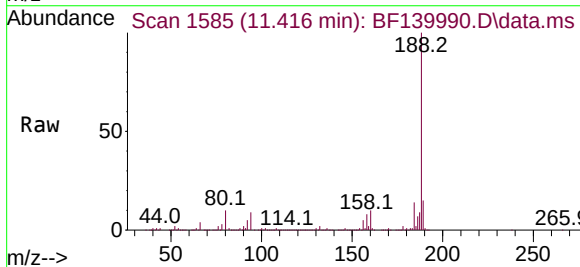
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

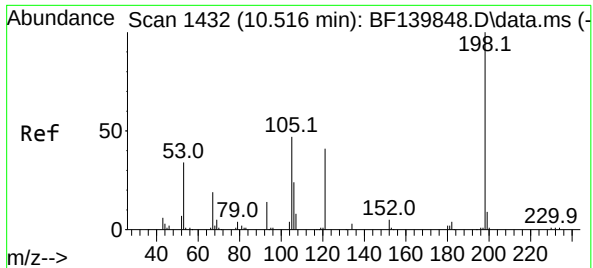
Tgt Ion: 77	Resp: 775853
Ion Ratio	Lower Upper
77 100	
182 25.2	3.3 43.3
105 21.7	1.2 41.2
51 31.8	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion: 188	Resp: 552693
Ion Ratio	Lower Upper
188 100	
94 9.5	7.9 11.9
80 10.0	9.0 13.4

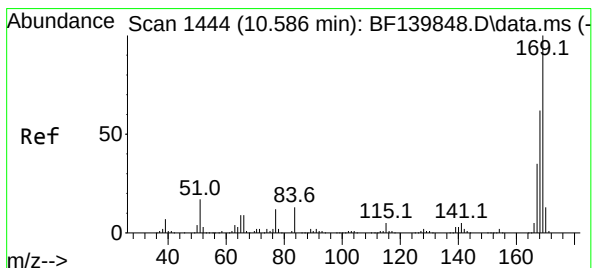
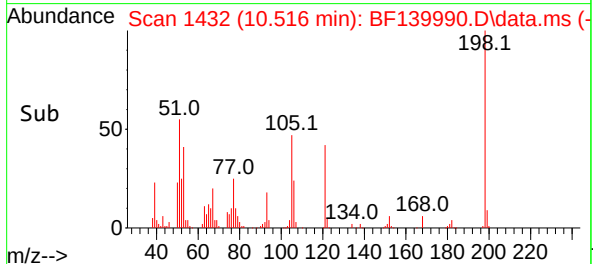
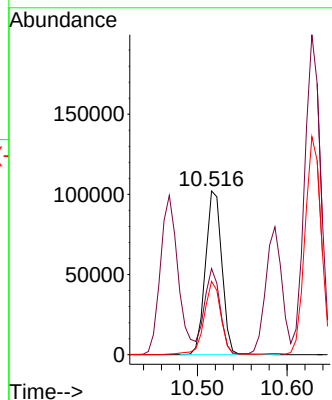
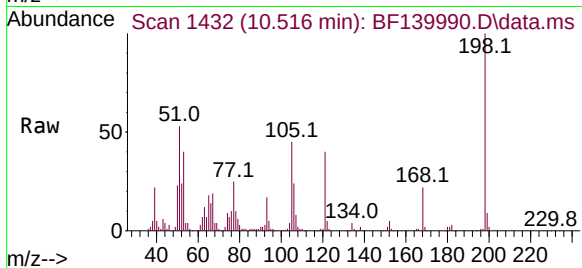




#65
4,6-Dinitro-2-methylphenol
Concen: 57.493 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

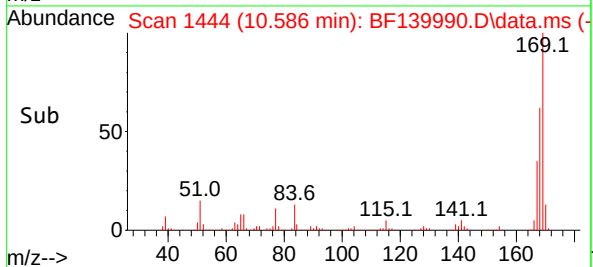
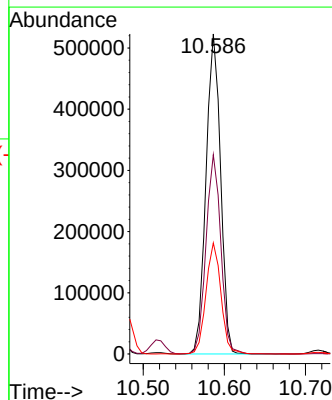
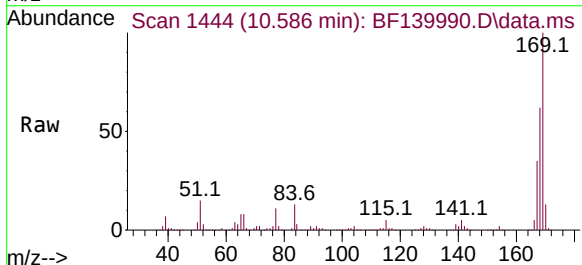
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

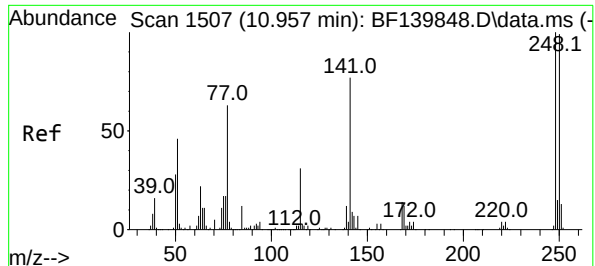
Tgt Ion:198 Resp: 129613
Ion Ratio Lower Upper
198 100
51 52.6 38.2 78.2
105 44.8 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 39.266 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:169 Resp: 649534
Ion Ratio Lower Upper
169 100
168 62.3 49.8 74.6
167 34.7 28.0 42.0

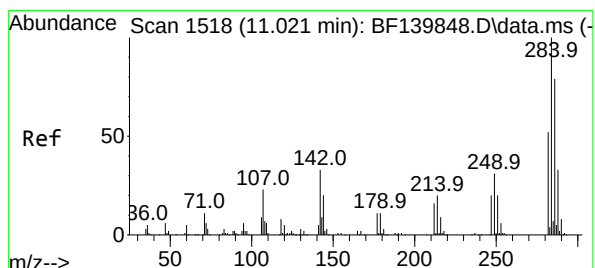
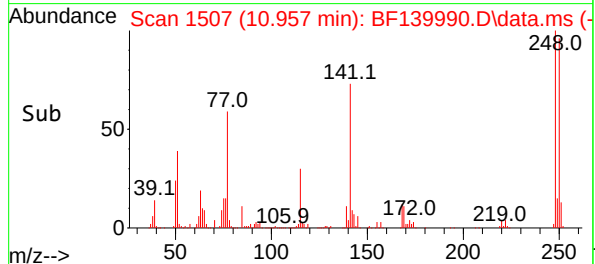
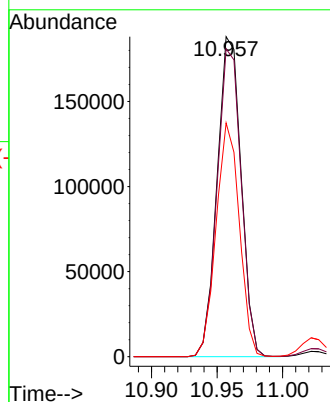
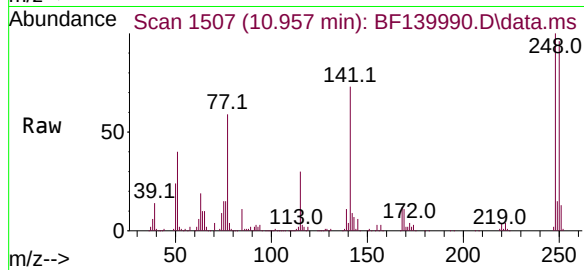




#67
4-Bromophenyl-phenylether
Concen: 42.017 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

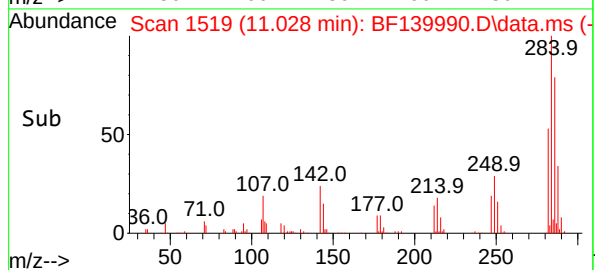
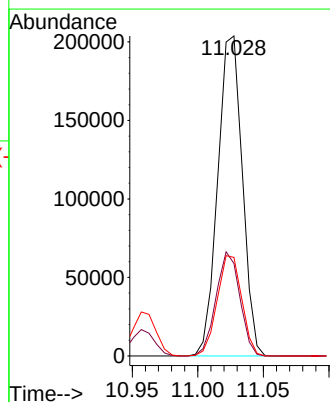
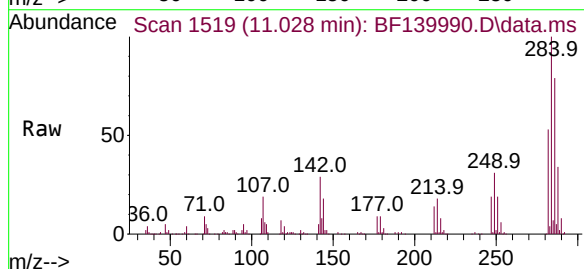
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

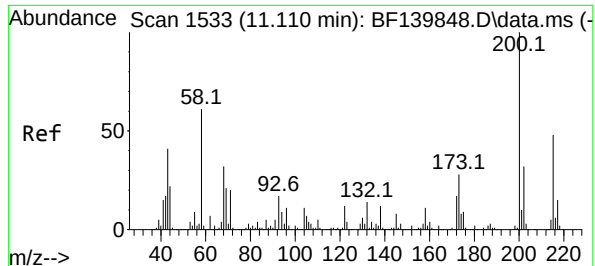
Tgt Ion:248 Resp: 239237
Ion Ratio Lower Upper
248 100
250 96.2 79.0 118.6
141 73.1 61.7 92.5



#68
Hexachlorobenzene
Concen: 41.441 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:284 Resp: 265372
Ion Ratio Lower Upper
284 100
142 28.9 26.9 40.3
249 30.8 25.3 37.9





#69

Atrazine

Concen: 39.759 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

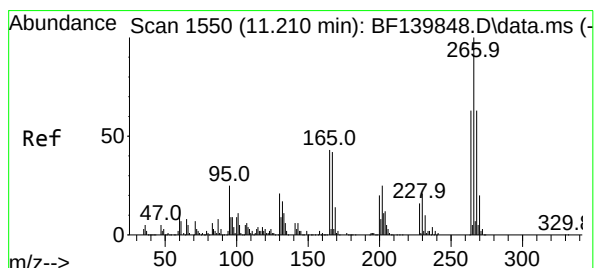
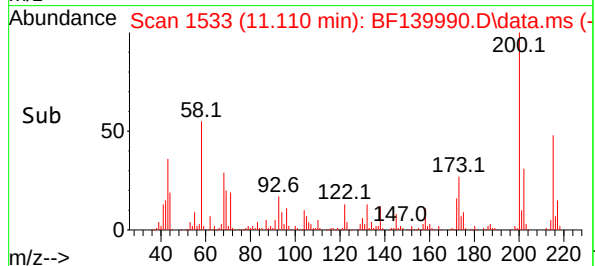
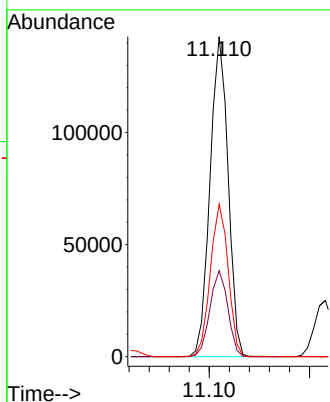
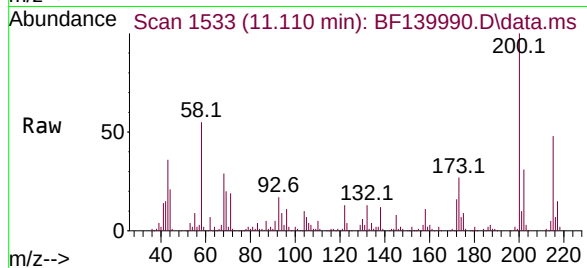
Tgt Ion:200 Resp: 178157

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

215 47.6 27.7 67.7



#70

Pentachlorophenol

Concen: 46.531 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

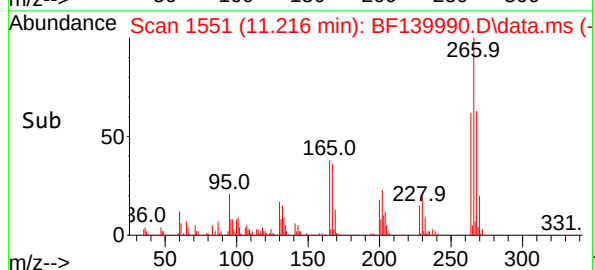
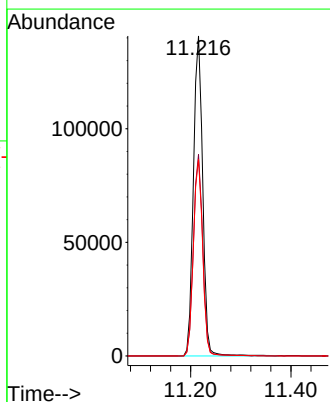
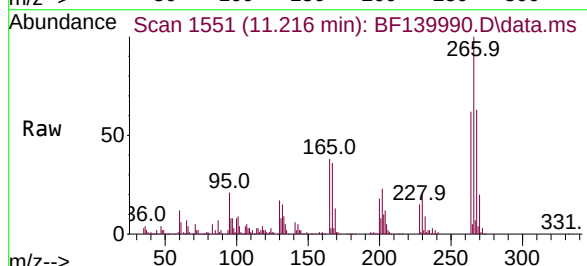
Tgt Ion:266 Resp: 180839

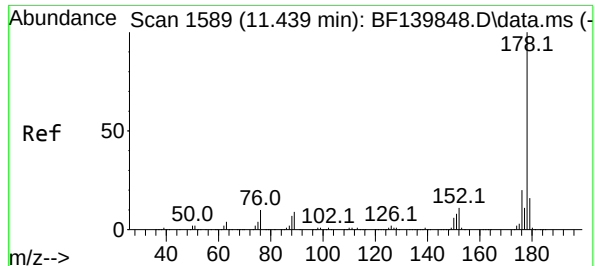
Ion Ratio Lower Upper

266 100

268 63.0 50.4 75.6

264 61.6 50.6 75.8





#71

Phenanthrene

Concen: 38.829 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

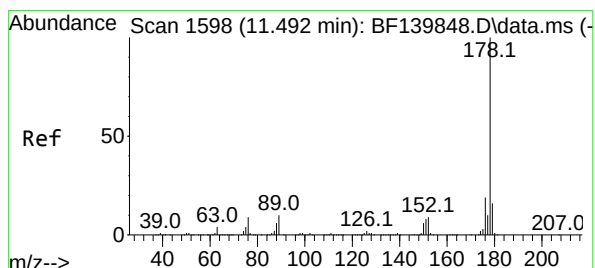
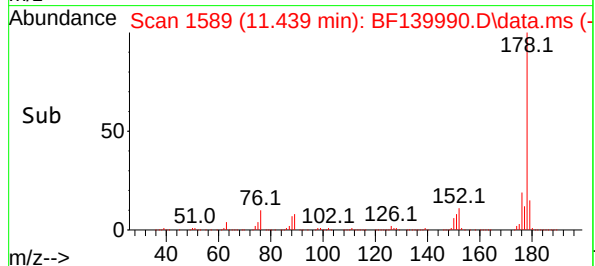
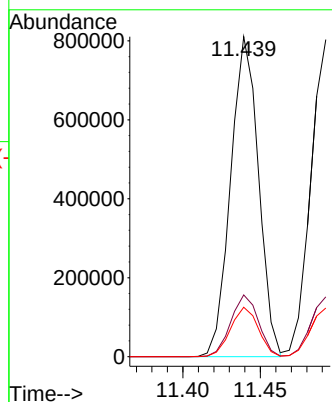
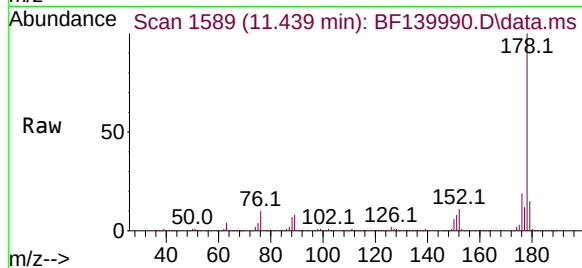
Tgt Ion:178 Resp: 1013712

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.5 12.6 18.8



#72

Anthracene

Concen: 39.385 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

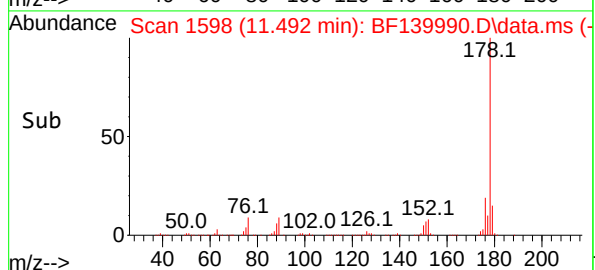
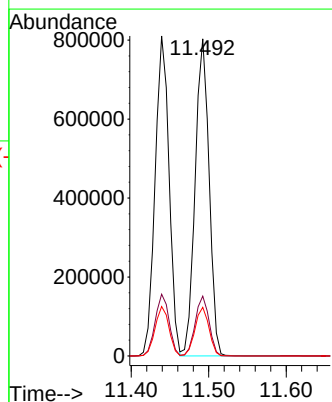
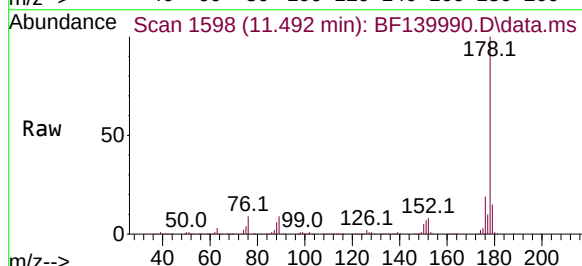
Tgt Ion:178 Resp: 1003224

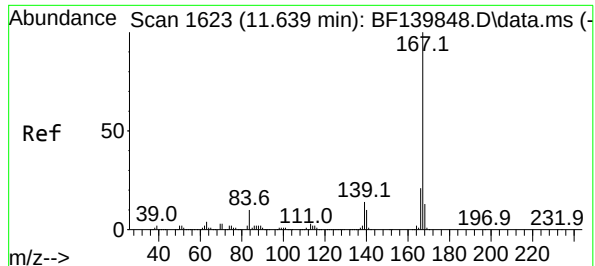
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.4 12.4 18.6

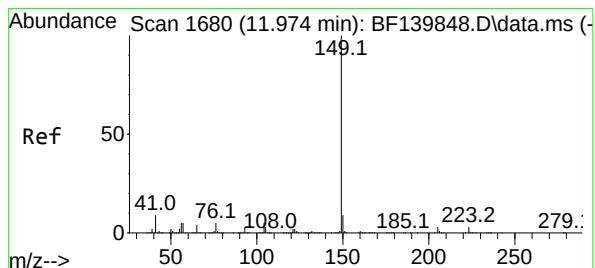
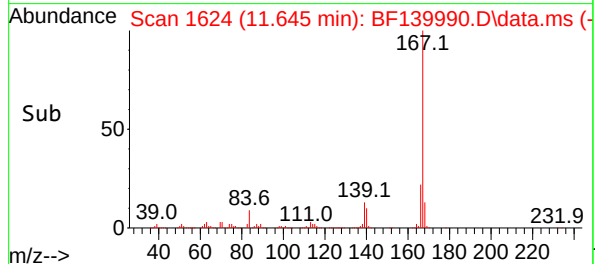
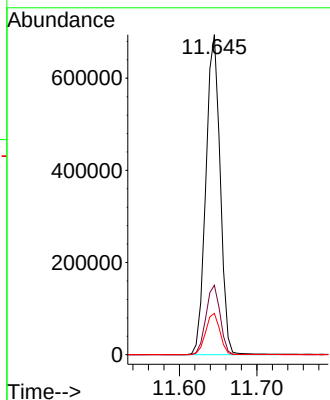
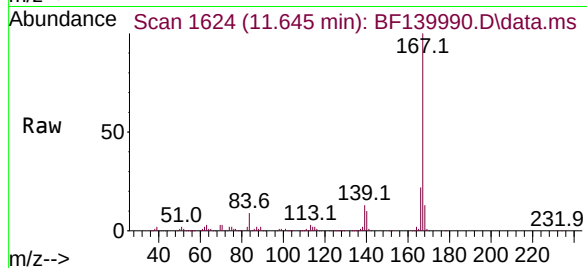




#73
Carbazole
Concen: 37.439 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

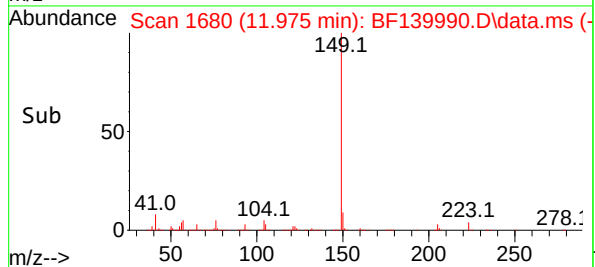
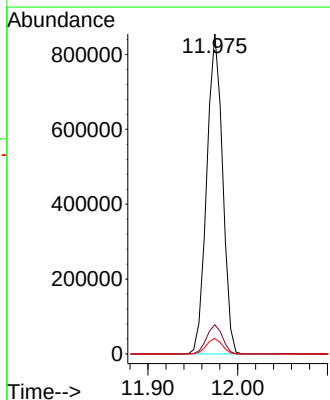
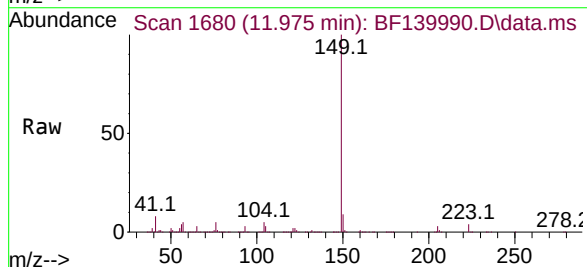
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

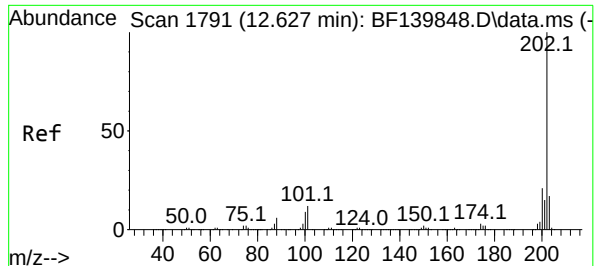
Tgt Ion:167 Resp: 886910
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 12.9 10.8 16.2



#74
Di-n-butylphthalate
Concen: 38.284 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:149 Resp: 1047818
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1

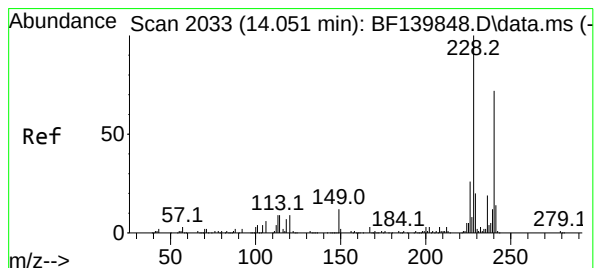
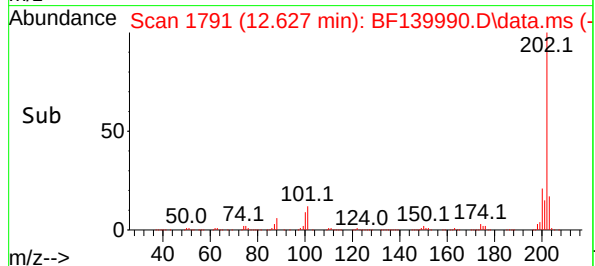
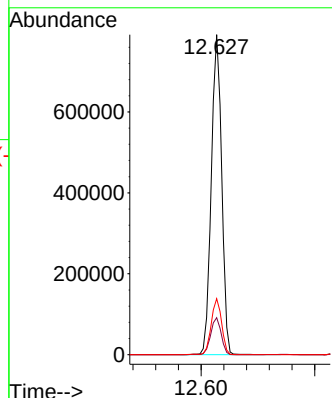
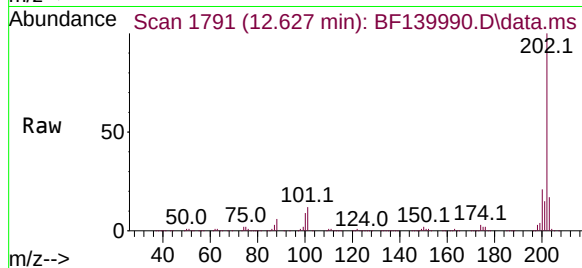




#75
Fluoranthene
Concen: 37.814 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

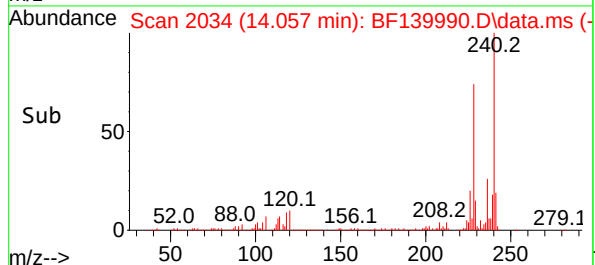
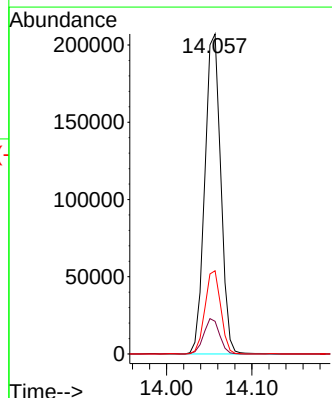
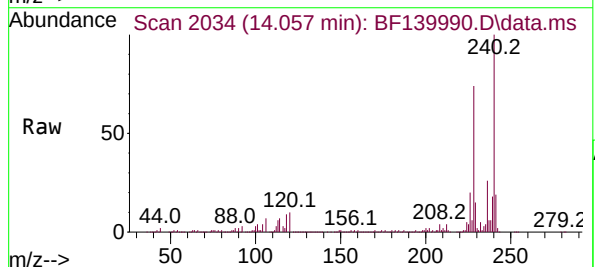
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

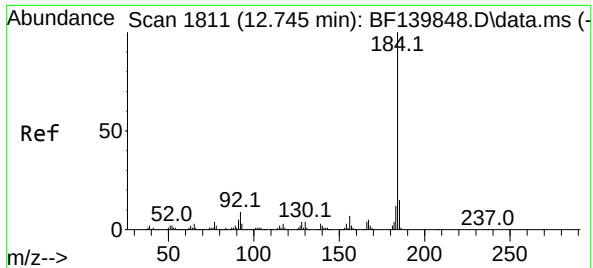
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.9
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.4	14.2
236	26.0	20.9	31.3





#77

Benzidine

Concen: 33.487 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

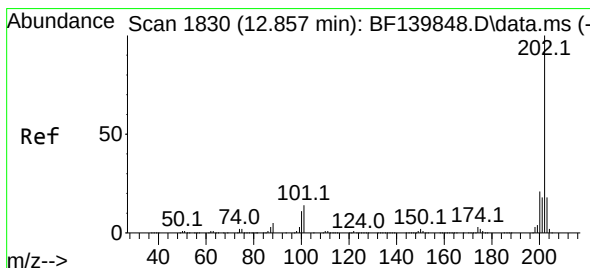
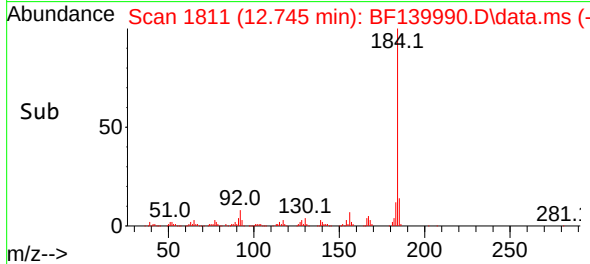
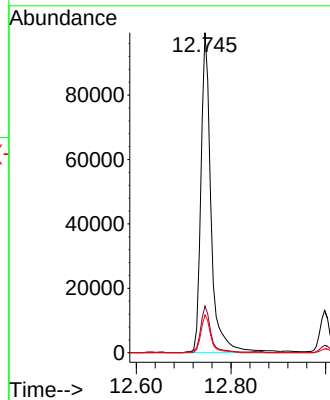
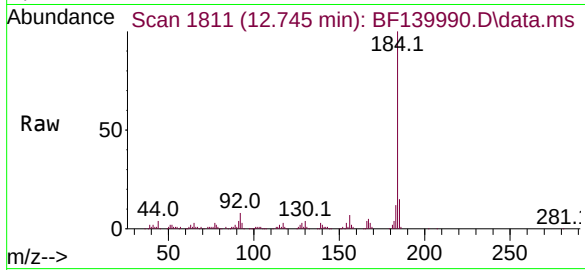
Tgt Ion:184 Resp: 148061

Ion Ratio Lower Upper

184 100

185 14.6 12.0 18.0

183 11.8 9.4 14.2



#78

Pyrene

Concen: 42.123 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

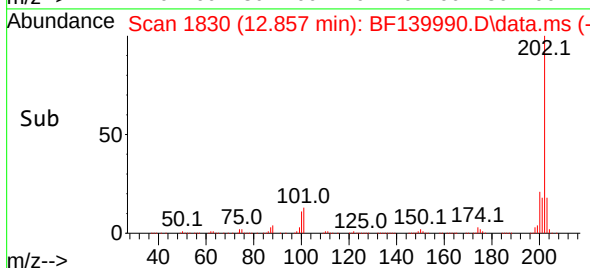
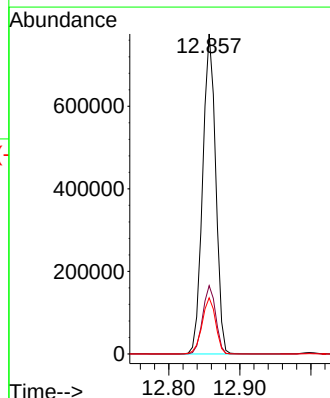
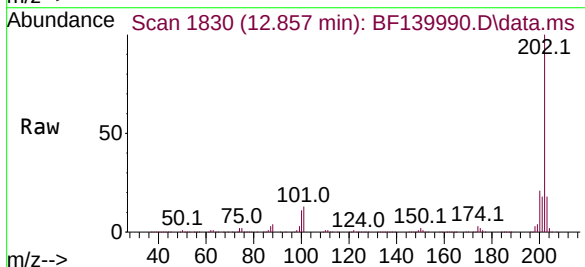
Tgt Ion:202 Resp: 991454

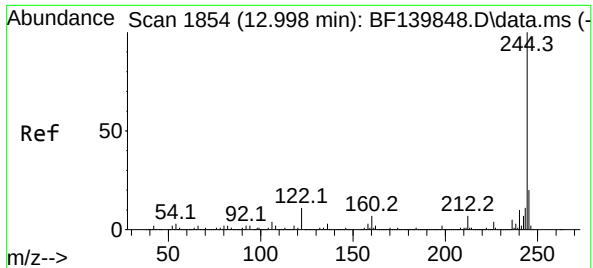
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 83.809 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

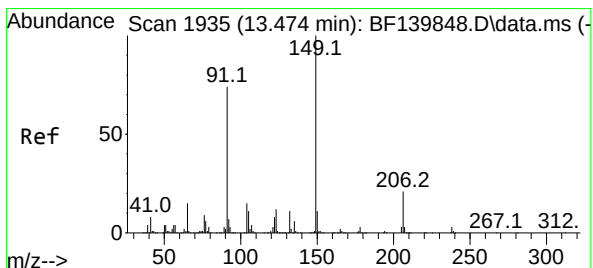
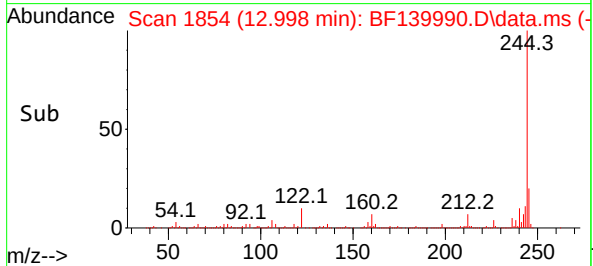
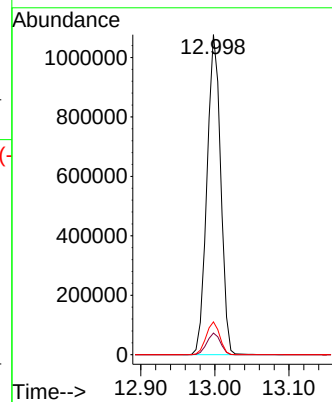
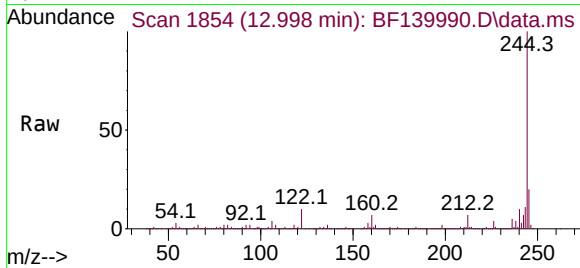
Tgt Ion:244 Resp: 1382993

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.3 8.6 13.0



#80

Butylbenzylphthalate

Concen: 40.861 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

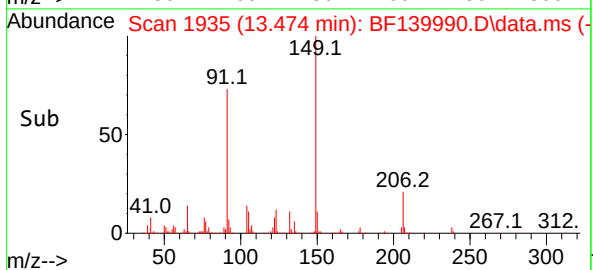
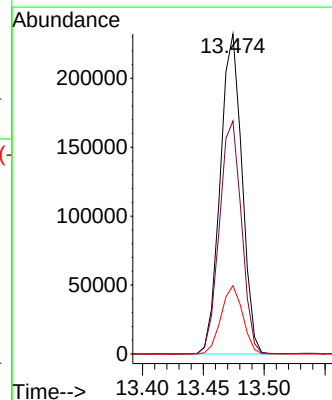
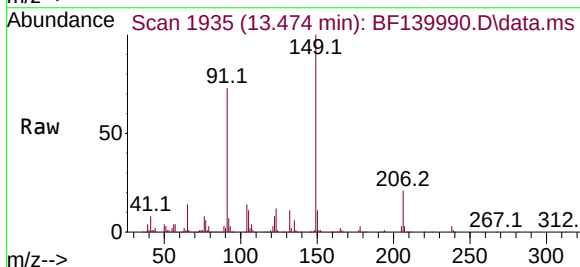
Tgt Ion:149 Resp: 288336

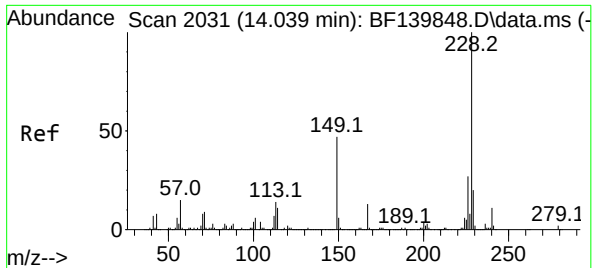
Ion Ratio Lower Upper

149 100

91 72.8 59.4 89.2

206 21.4 16.4 24.6

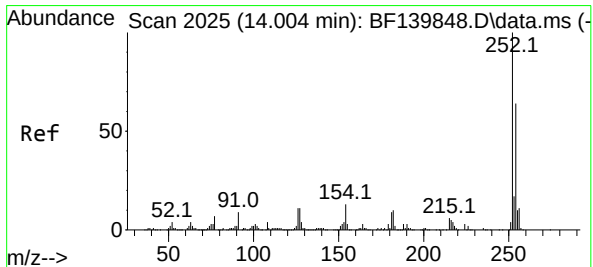
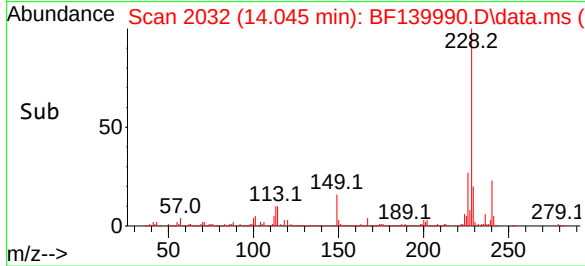
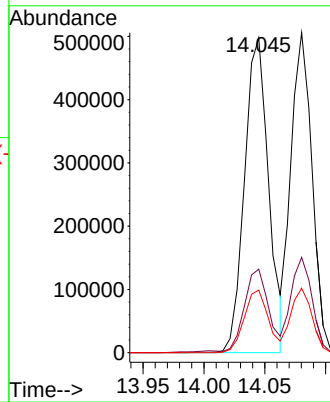
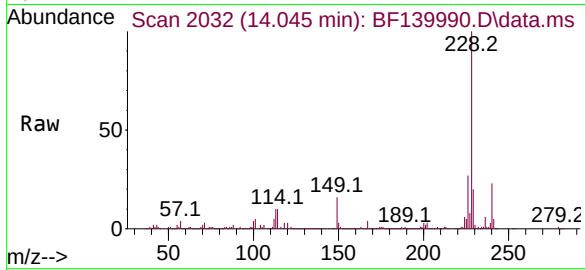




#81
Benzo(a)anthracene
Concen: 39.181 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

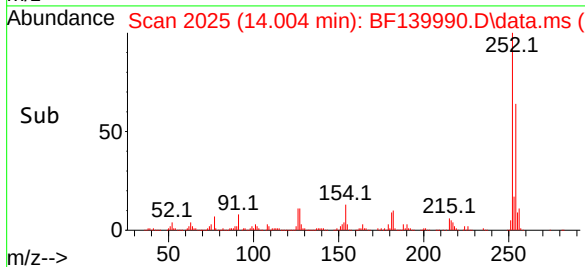
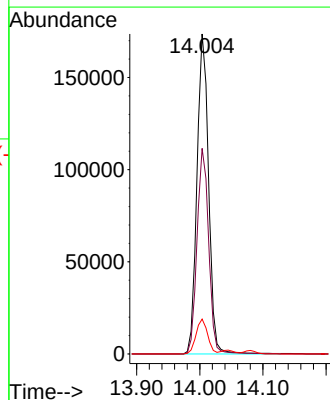
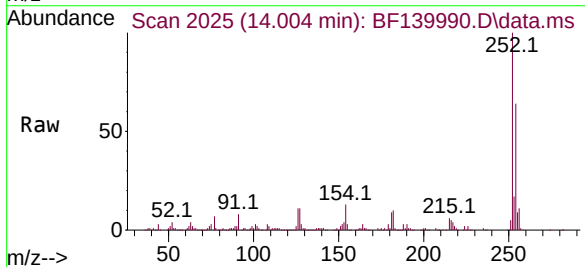
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

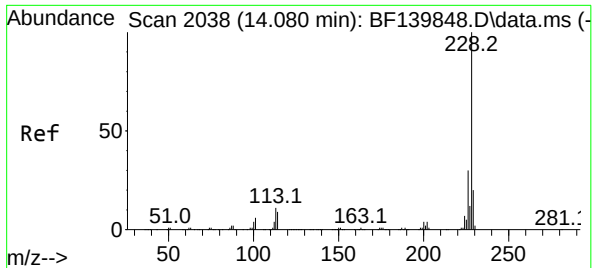
Tgt Ion:228 Resp: 685819
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.9 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 43.406 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:252 Resp: 221524
Ion Ratio Lower Upper
252 100
254 64.2 50.8 76.2
126 10.9 8.9 13.3





#83

Chrysene

Concen: 38.191 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

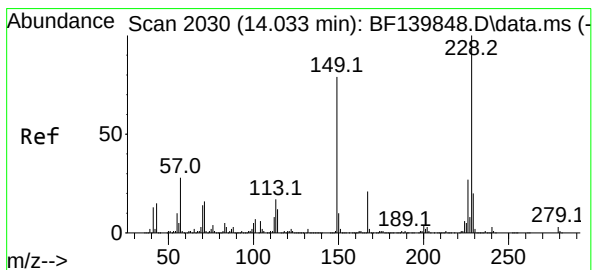
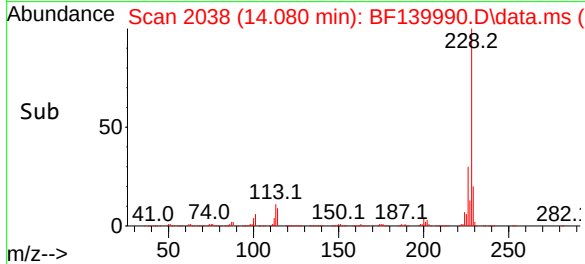
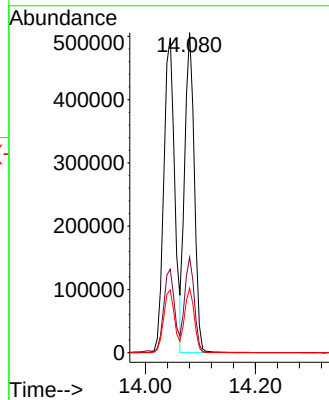
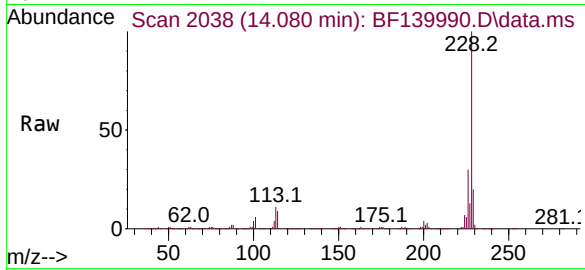
Tgt Ion:228 Resp: 612931

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 20.2 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.443 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

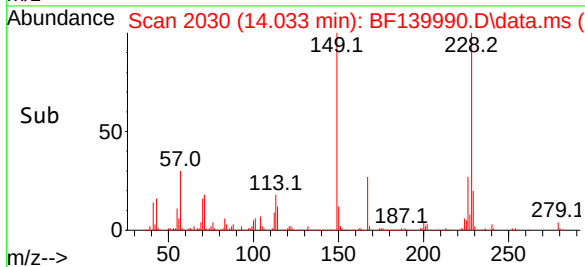
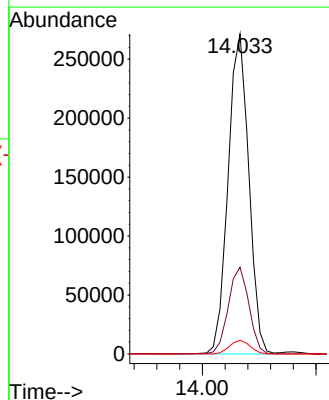
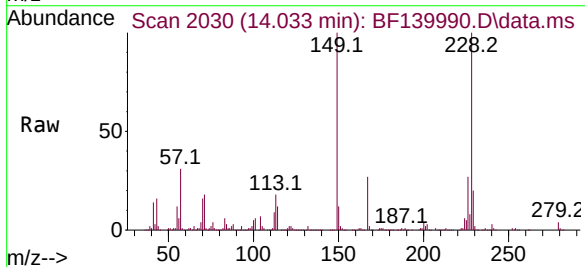
Tgt Ion:149 Resp: 343936

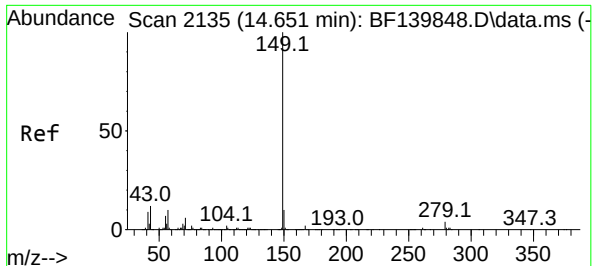
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.3 3.0 4.4

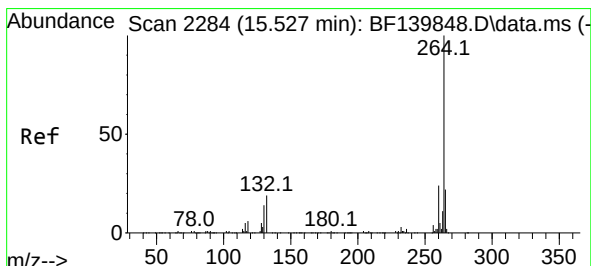
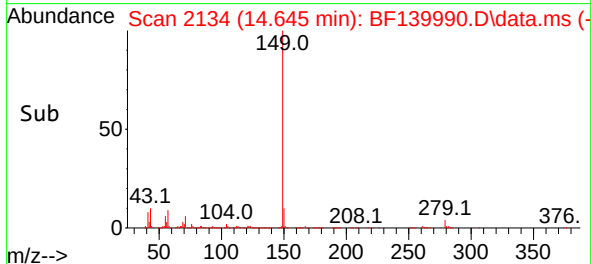
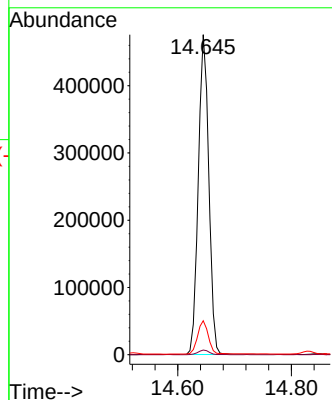
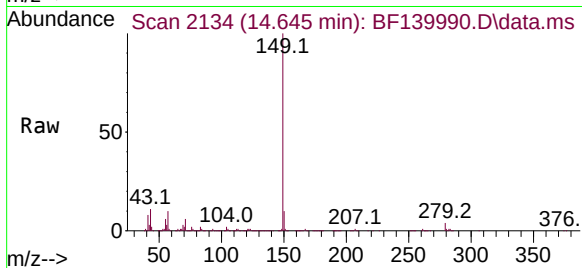




#85
Di-n-octyl phthalate
Concen: 42.497 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

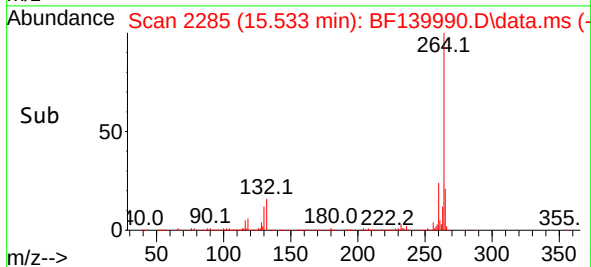
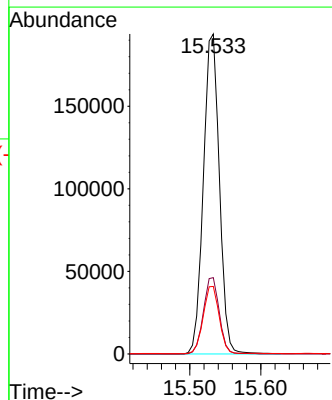
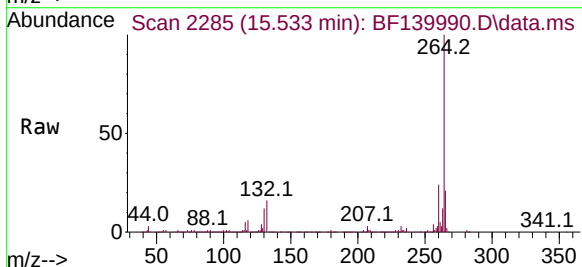
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

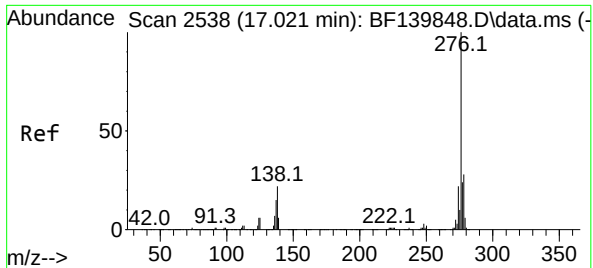
Tgt Ion:149 Resp: 611956
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.9 9.8 14.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:264 Resp: 303963
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.1 17.4 26.0

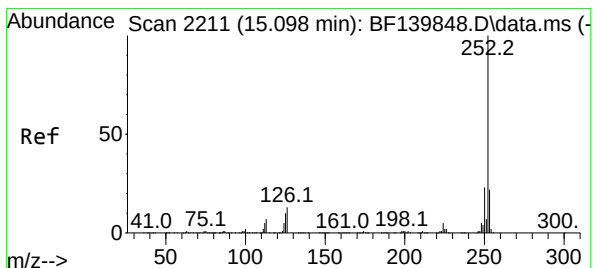
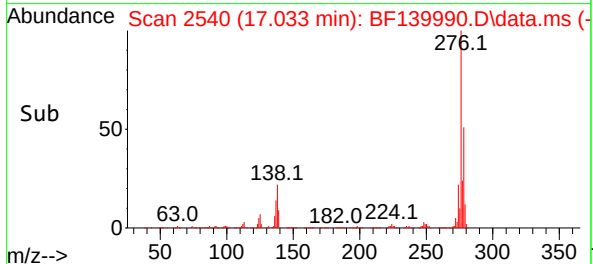
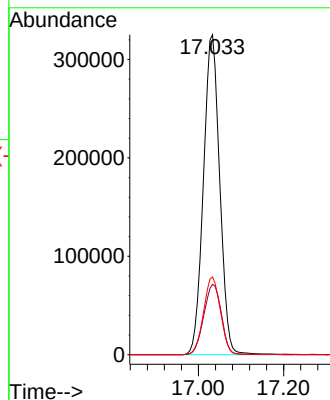
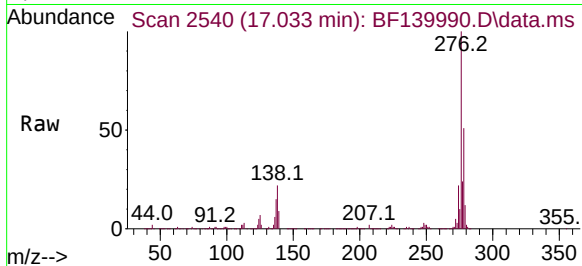




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.181 ng
RT: 17.033 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

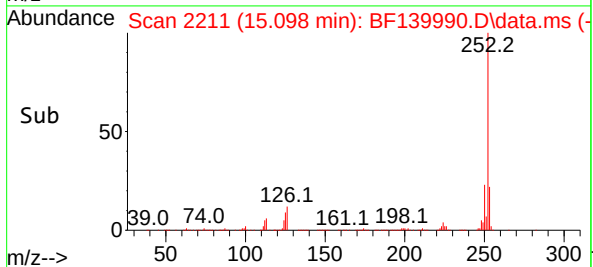
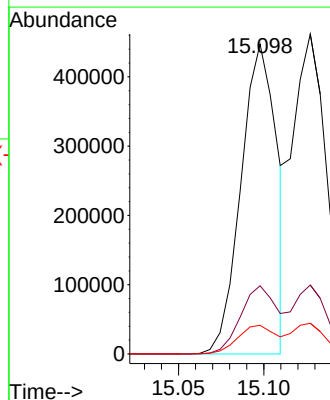
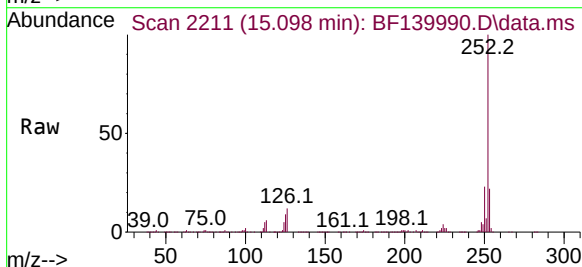
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

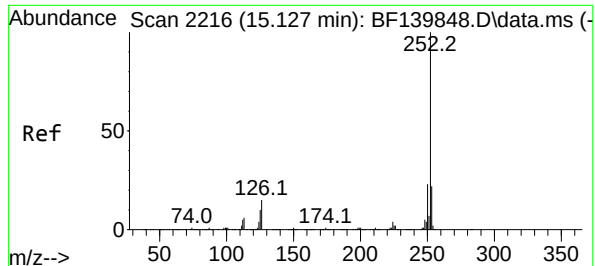
Tgt Ion:276 Resp: 863954
Ion Ratio Lower Upper
276 100
138 23.9 20.4 30.6
277 25.0 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 35.286 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139990.D
Acq: 24 Oct 2024 09:55

Tgt Ion:252 Resp: 653367
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.161 ng

RT: 15.127 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

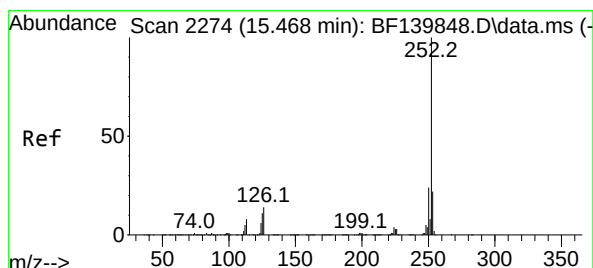
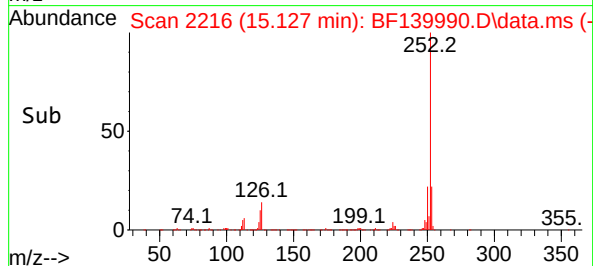
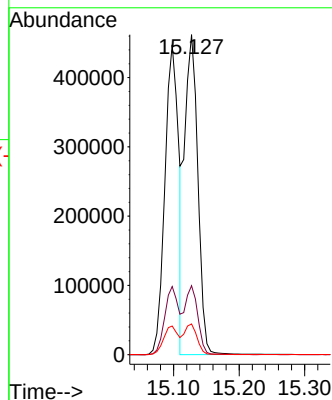
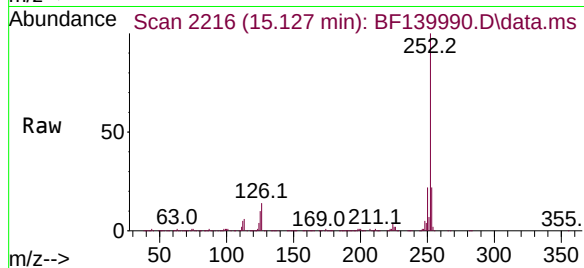
Tgt Ion:252 Resp: 641324

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 9.6 7.9 11.9



#90

Benzo(a)pyrene

Concen: 39.654 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

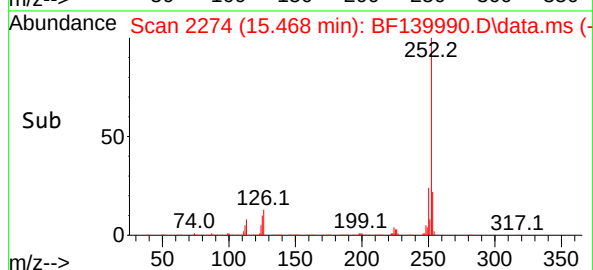
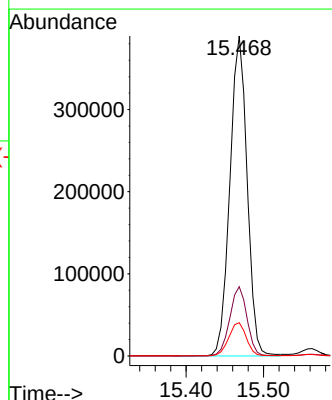
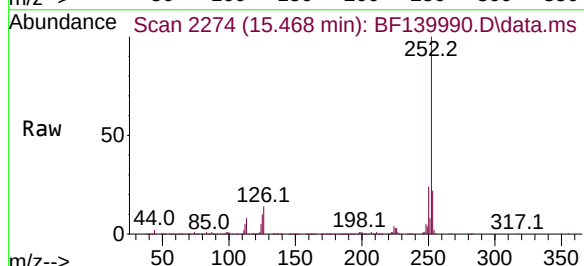
Tgt Ion:252 Resp: 604156

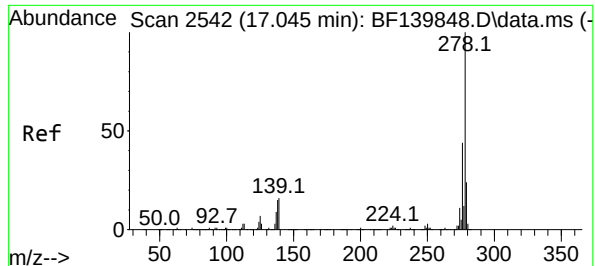
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 44.037 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

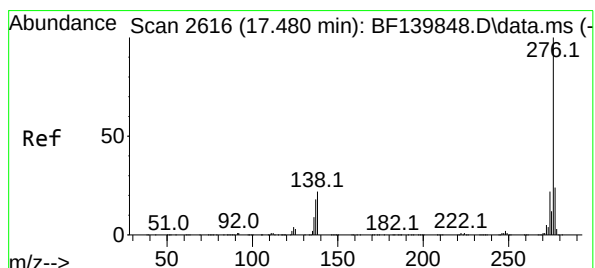
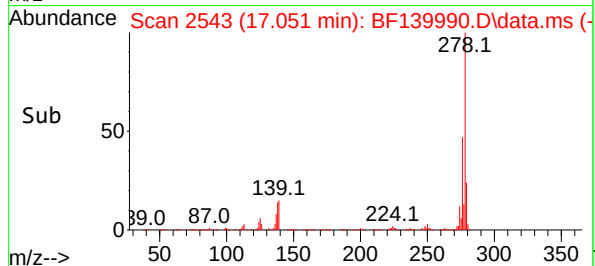
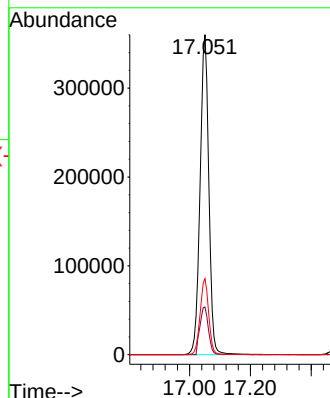
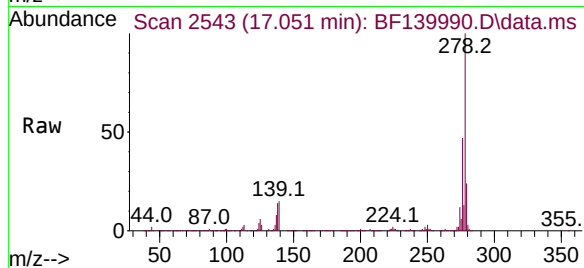
Tgt Ion:278 Resp: 718383

Ion Ratio Lower Upper

278 100

139 14.9 13.1 19.7

279 23.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 45.596 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF139990.D

Acq: 24 Oct 2024 09:55

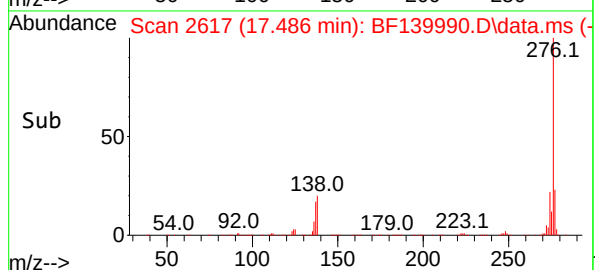
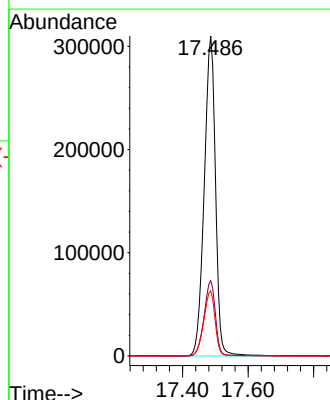
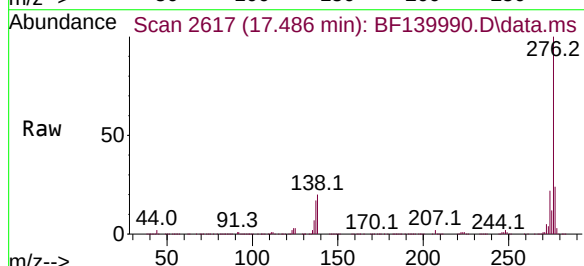
Tgt Ion:276 Resp: 742968

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF139990.D
 Acq On : 24 Oct 2024 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2	1,4-Dioxane	0.596	0.552	7.4	82	-0.02
3	Pyridine	1.476	1.374	6.9	81	-0.01
4	n-Nitrosodimethylamine	0.793	0.690	13.0	75	-0.01
5 S	2-Fluorophenol	1.278	1.208	5.5	83	0.00
6	Aniline	1.542	1.405	8.9	78	0.00
7 S	Phenol-d6	1.655	1.504	9.1	80	0.00
8	2-Chlorophenol	1.306	1.240	5.1	83	0.00
9	Benzaldehyde	0.931	0.831	10.7	78	0.00
10 C	Phenol	1.706	1.572	7.9	81	0.00
11	bis(2-Chloroethyl)ether	1.319	1.218	7.7	83	0.00
12	1,3-Dichlorobenzene	1.499	1.455	2.9	86	0.00
13 C	1,4-Dichlorobenzene	1.498	1.458	2.7	86	0.00
14	1,2-Dichlorobenzene	1.398	1.356	3.0	87	0.00
15	Benzyl Alcohol	1.214	1.126	7.2	82	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	1.937	13.8	76	0.00
17	2-Methylphenol	1.114	1.030	7.5	82	0.00
18	Hexachloroethane	0.534	0.521	2.4	85	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.880	12.4	80	0.00
20	3+4-Methylphenols	1.424	1.299	8.8	81	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	85	0.00
22	Acetophenone	0.490	0.464	5.3	82	0.00
23 S	Nitrobenzene-d5	0.361	0.374	-3.6	86	0.00
24	Nitrobenzene	0.396	0.392	1.0	83	0.00
25	Isophorone	0.685	0.644	6.0	81	0.00
26 C	2-Nitrophenol	0.149	0.177	-18.8	96	0.00
27	2,4-Dimethylphenol	0.249	0.234	6.0	80	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.394	5.1	82	0.00
29 C	2,4-Dichlorophenol	0.283	0.280	1.1	84	0.00
30	1,2,4-Trichlorobenzene	0.314	0.315	-0.3	85	0.00
31	Naphthalene	1.031	1.003	2.7	84	0.00
32	Benzoic acid	0.217	0.248	-14.3	96	0.00
33	4-Chloroaniline	0.352	0.334	5.1	81	0.00
34 C	Hexachlorobutadiene	0.197	0.202	-2.5	88	0.00
35	Caprolactam	0.090	0.088	2.2	81	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.299	4.8	81	0.00
37	2-Methylnaphthalene	0.632	0.616	2.5	85	0.00
38	1-Methylnaphthalene	0.620	0.601	3.1	84	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.551	-2.0	87	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.207	-10.1	89	0.00
42 S	2,4,6-Tribromophenol	0.187	0.205	-9.6	93	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.403	-5.5	89	0.00
44	2,4,5-Trichlorophenol	0.394	0.395	-0.3	84	0.00
45 S	2-Fluorobiphenyl	1.210	1.183	2.2	87	0.00
46	1,1'-Biphenyl	1.392	1.371	1.5	85	0.00
47	2-Chloronaphthalene	1.121	1.110	1.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF139990.D
 Acq On : 24 Oct 2024 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	0.343	0.362	-5.5	84	0.00
49	Acenaphthylene	1.621	1.581	2.5	83	0.00
50	Dimethylphthalate	1.246	1.208	3.0	83	0.00
51	2,6-Dinitrotoluene	0.270	0.286	-5.9	87	0.00
52 C	Acenaphthene	1.049	1.051	-0.2	86	0.00
53	3-Nitroaniline	0.278	0.284	-2.2	82	0.00
54 P	2,4-Dinitrophenol	0.093	0.148	-59.1#	124	0.00
55	Dibenzofuran	1.505	1.448	3.8	83	0.00
56 P	4-Nitrophenol	0.214	0.229	-7.0	84	0.00
57	2,4-Dinitrotoluene	0.332	0.371	-11.7	88	0.00
58	Fluorene	1.146	1.110	3.1	85	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.322	-4.2	88	0.00
60	Diethylphthalate	1.223	1.175	3.9	82	0.00
61	4-Chlorophenyl-phenylether	0.579	0.580	-0.2	87	0.00
62	4-Nitroaniline	0.263	0.259	1.5	80	0.00
63	Azobenzene	1.297	1.202	7.3	78	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.117	-42.7#	112	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.588	1.8	82	0.00
67	4-Bromophenyl-phenylether	0.206	0.216	-4.9	89	0.00
68	Hexachlorobenzene	0.232	0.240	-3.4	86	0.00
69	Atrazine	0.162	0.161	0.6	77	0.00
70 C	Pentachlorophenol	0.141	0.164	-16.3	90	0.00
71	Phenanthrene	0.945	0.917	3.0	82	0.00
72	Anthracene	0.922	0.908	1.5	83	0.00
73	Carbazole	0.857	0.802	6.4	79	0.00
74	Di-n-butylphthalate	0.990	0.948	4.2	78	0.00
75 C	Fluoranthene	0.955	0.903	5.4	80	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77	Benzydine	0.329	0.275	16.4	59	0.00
78	Pyrene	1.751	1.844	-5.3	79	0.00
79 S	Terphenyl-d14	1.227	1.286	-4.8	80	0.00
80	Butylbenzylphthalate	0.525	0.536	-2.1	75	0.00
81	Benzo(a)anthracene	1.302	1.275	2.1	74	0.00
82	3,3'-Dichlorobenzidine	0.380	0.412	-8.4	83	0.00
83	Chrysene	1.194	1.140	4.5	76	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.640	-8.7	79	0.00
85 c	Di-n-octyl phthalate	1.071	1.138	-6.3	78	0.00
86 I	Perylene-d12	1.000	1.000	0.0	83	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.421	-10.4	88	0.01
88	Benzo(b)fluoranthene	1.218	1.075	11.7	75	0.00
89	Benzo(k)fluoranthene	1.051	1.055	-0.4	82	0.00
90 C	Benzo(a)pyrene	1.002	0.994	0.8	81	0.00
91	Dibenzo(a,h)anthracene	1.073	1.182	-10.2	88	0.00
92	Benzo(g,h,i)perylene	1.072	1.222	-14.0	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139990.D
Acq On : 24 Oct 2024 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 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\BF102424\
 Data File : BF139990.D
 Acq On : 24 Oct 2024 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	88	0.00
2	1,4-Dioxane	40.000	37.052	7.4	82	-0.02
3	Pyridine	40.000	37.237	6.9	81	-0.01
4	n-Nitrosodimethylamine	40.000	34.778	13.1	75	-0.01
5 S	2-Fluorophenol	80.000	75.645	5.4	83	0.00
6	Aniline	40.000	36.450	8.9	78	0.00
7 S	Phenol-d6	80.000	72.737	9.1	80	0.00
8	2-Chlorophenol	40.000	37.976	5.1	83	0.00
9	Benzaldehyde	40.000	35.697	10.8	78	0.00
10 C	Phenol	40.000	36.861	7.8	81	0.00
11	bis(2-Chloroethyl)ether	40.000	36.961	7.6	83	0.00
12	1,3-Dichlorobenzene	40.000	38.824	2.9	86	0.00
13 C	1,4-Dichlorobenzene	40.000	38.944	2.6	86	0.00
14	1,2-Dichlorobenzene	40.000	38.796	3.0	87	0.00
15	Benzyl Alcohol	40.000	37.109	7.2	82	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	34.465	13.8	76	0.00
17	2-Methylphenol	40.000	37.003	7.5	82	0.00
18	Hexachloroethane	40.000	39.033	2.4	85	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.083	12.3	80	0.00
20	3+4-Methylphenols	40.000	36.467	8.8	81	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	85	0.00
22	Acetophenone	40.000	37.912	5.2	82	0.00
23 S	Nitrobenzene-d5	80.000	82.866	-3.6	86	0.00
24	Nitrobenzene	40.000	39.608	1.0	83	0.00
25	Isophorone	40.000	37.614	6.0	81	0.00
26 C	2-Nitrophenol	40.000	47.492	-18.7	96	0.00
27	2,4-Dimethylphenol	40.000	37.550	6.1	80	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.932	5.2	82	0.00
29 C	2,4-Dichlorophenol	40.000	39.521	1.2	84	0.00
30	1,2,4-Trichlorobenzene	40.000	40.140	-0.4	85	0.00
31	Naphthalene	40.000	38.897	2.8	84	0.00
32	Benzoic acid	40.000	45.616	-14.0	96	0.00
33	4-Chloroaniline	40.000	38.001	5.0	81	0.00
34 C	Hexachlorobutadiene	40.000	41.060	-2.7	88	0.00
35	Caprolactam	40.000	38.918	2.7	81	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.132	4.7	81	0.00
37	2-Methylnaphthalene	40.000	38.975	2.6	85	0.00
38	1-Methylnaphthalene	40.000	38.809	3.0	84	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	85	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.864	-2.2	87	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.115	-10.3	89	0.00
42 S	2,4,6-Tribromophenol	80.000	87.672	-9.6	93	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.231	-5.6	89	0.00
44	2,4,5-Trichlorophenol	40.000	40.103	-0.3	84	0.00
45 S	2-Fluorobiphenyl	80.000	78.229	2.2	87	0.00
46	1,1'-Biphenyl	40.000	39.383	1.5	85	0.00
47	2-Chloronaphthalene	40.000	39.600	1.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF139990.D
 Acq On : 24 Oct 2024 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	42.243	-5.6	84	0.00
49	Acenaphthylene	40.000	39.009	2.5	83	0.00
50	Dimethylphthalate	40.000	38.796	3.0	83	0.00
51	2,6-Dinitrotoluene	40.000	42.481	-6.2	87	0.00
52 C	Acenaphthene	40.000	40.099	-0.2	86	0.00
53	3-Nitroaniline	40.000	40.785	-2.0	82	0.00
54 P	2,4-Dinitrophenol	40.000	55.091	-37.7#	124	0.00
55	Dibenzofuran	40.000	38.488	3.8	83	0.00
56 P	4-Nitrophenol	40.000	42.808	-7.0	84	0.00
57	2,4-Dinitrotoluene	40.000	44.729	-11.8	88	0.00
58	Fluorene	40.000	38.758	3.1	85	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.690	-4.2	88	0.00
60	Diethylphthalate	40.000	38.433	3.9	82	0.00
61	4-Chlorophenyl-phenylether	40.000	40.111	-0.3	87	0.00
62	4-Nitroaniline	40.000	39.396	1.5	80	0.00
63	Azobenzene	40.000	37.078	7.3	78	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	40.000	57.493	-43.7#	112	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.266	1.8	82	0.00
67	4-Bromophenyl-phenylether	40.000	42.017	-5.0	89	0.00
68	Hexachlorobenzene	40.000	41.441	-3.6	86	0.00
69	Atrazine	40.000	39.759	0.6	77	0.00
70 C	Pentachlorophenol	40.000	46.531	-16.3	90	0.00
71	Phenanthrene	40.000	38.829	2.9	82	0.00
72	Anthracene	40.000	39.385	1.5	83	0.00
73	Carbazole	40.000	37.439	6.4	79	0.00
74	Di-n-butylphthalate	40.000	38.284	4.3	78	0.00
75 C	Fluoranthene	40.000	37.814	5.5	80	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77	Benzydine	40.000	33.487	16.3	59	0.00
78	Pyrene	40.000	42.123	-5.3	79	0.00
79 S	Terphenyl-d14	80.000	83.809	-4.8	80	0.00
80	Butylbenzylphthalate	40.000	40.861	-2.2	75	0.00
81	Benzo(a)anthracene	40.000	39.181	2.0	74	0.00
82	3,3'-Dichlorobenzidine	40.000	43.406	-8.5	83	0.00
83	Chrysene	40.000	38.191	4.5	76	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.443	-8.6	79	0.00
85 c	Di-n-octyl phthalate	40.000	42.497	-6.2	78	0.00
86 I	Perylene-d12	20.000	20.000	0.0	83	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	44.181	-10.5	88	0.01
88	Benzo(b)fluoranthene	40.000	35.286	11.8	75	0.00
89	Benzo(k)fluoranthene	40.000	40.161	-0.4	82	0.00
90 C	Benzo(a)pyrene	40.000	39.654	0.9	81	0.00
91	Dibenzo(a,h)anthracene	40.000	44.037	-10.1	88	0.00
92	Benzo(g,h,i)perylene	40.000	45.596	-14.0	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139990.D
Acq On : 24 Oct 2024 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 11:02:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 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: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.408		-4.6	
2-Fluorophenol	1.278	1.208		-5.5	
Phenol-d6	1.655	1.521		-8.1	
1,4-Dichlorobenzene	1.498	1.466		-2.1	20.0
2-Methylphenol	1.114	1.047		-6.0	
3+4-Methylphenols	1.424	1.322		-7.2	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.526		-1.5	
Nitrobenzene	0.396	0.397		0.3	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2,4-Dinitrotoluene	0.332	0.371		11.7	
2,4,6-Tribromophenol	0.187	0.207		10.7	
Hexachlorobenzene	0.232	0.242		4.3	
Pentachlorophenol	0.141	0.159		12.8	20.0
Terphenyl-d14	1.227	1.306		6.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140001.D
 Acq On : 24 Oct 2024 15:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	162461	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	593909	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	325446	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	551060	20.000	ng	0.00
76) Chrysene-d12	14.051	240	264546	20.000	ng	0.00
86) Perylene-d12	15.533	264	308388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	785302	75.672	ng	0.00
7) Phenol-d6	6.510	99	988444	73.541	ng	0.00
23) Nitrobenzene-d5	7.451	82	889079	82.969	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	269743	88.611	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1557843	79.111	ng	0.00
79) Terphenyl-d14	12.998	244	1381525	85.096	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	186182	38.479	ng	92
3) Pyridine	3.434	79	457587	38.153	ng	95
4) n-Nitrosodimethylamine	3.387	42	223610	34.702	ng	93
6) Aniline	6.551	93	466105	37.209	ng	98
8) 2-Chlorophenol	6.675	128	409134	38.564	ng	98
9) Benzaldehyde	6.440	77	302456	40.001	ng	97
10) Phenol	6.528	94	520234m	37.544	ng	
11) bis(2-Chloroethyl)ether	6.628	93	408985	38.186	ng	98
12) 1,3-Dichlorobenzene	6.834	146	475014	39.005	ng	99
13) 1,4-Dichlorobenzene	6.910	146	476387	39.154	ng	100
14) 1,2-Dichlorobenzene	7.063	146	444385	39.134	ng	98
15) Benzyl Alcohol	7.028	79	367419	37.266	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	632869	34.654	ng	97
17) 2-Methylphenol	7.134	107	340117	37.597	ng	99
18) Hexachloroethane	7.404	117	170793	39.364	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	288756	35.422	ng	96
20) 3+4-Methylphenols	7.287	107	429485	37.117	ng	99
22) Acetophenone	7.298	105	560330	38.519	ng	98
24) Nitrobenzene	7.475	77	471946	40.170	ng	97
25) Isophorone	7.710	82	778277	38.266	ng	99
26) 2-Nitrophenol	7.787	139	212018	47.835	ng	96
27) 2,4-Dimethylphenol	7.816	122	282380	38.208	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	483000	39.197	ng	100
29) 2,4-Dichlorophenol	8.022	162	338602	40.223	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	379262	40.717	ng	99
31) Naphthalene	8.192	128	1205536	39.358	ng	100
32) Benzoic acid	7.922	122	286230	44.404	ng	97
33) 4-Chloroaniline	8.239	127	399083	38.210	ng	98
34) Hexachlorobutadiene	8.310	225	241696	41.298	ng	99
35) Caprolactam	8.610	113	105511	39.419	ng	# 89
36) 4-Chloro-3-methylphenol	8.716	107	363168	38.961	ng	97
37) 2-Methylnaphthalene	8.886	142	740369	39.467	ng	99
38) 1-Methylnaphthalene	8.986	142	722456	39.253	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	364431	41.507	ng	99
41) Hexachlorocyclopentadiene	9.039	237	129438	42.369	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	251948	40.531	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140001.D
 Acq On : 24 Oct 2024 15:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

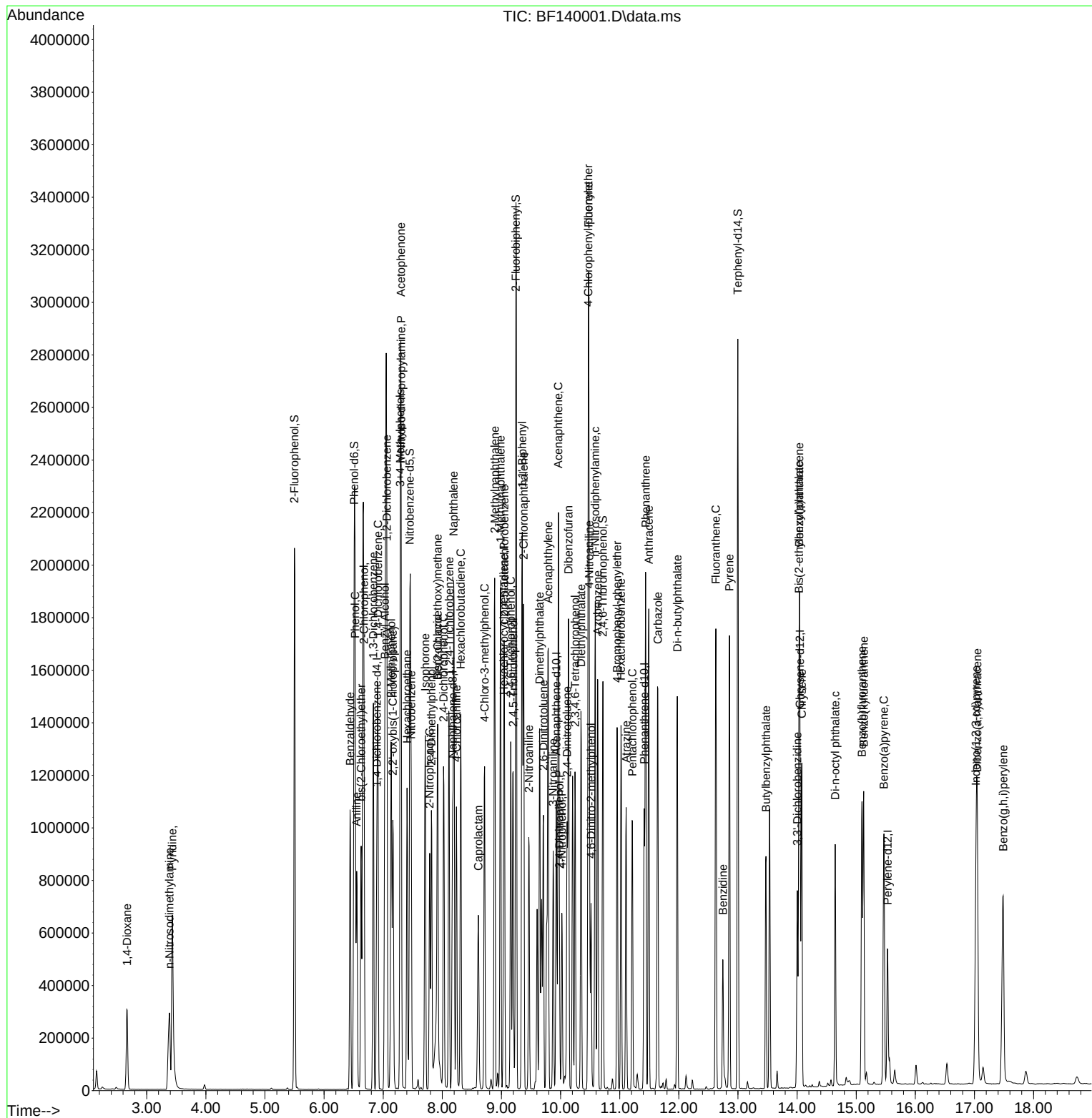
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	270426	42.166	ng	98
46) 1,1'-Biphenyl	9.351	154	906616	40.017	ng	99
47) 2-Chloronaphthalene	9.375	162	733451	40.195	ng	99
48) 2-Nitroaniline	9.463	65	239883	42.983	ng	97
49) Acenaphthylene	9.792	152	1041391	39.476	ng	100
50) Dimethylphthalate	9.645	163	801985	39.563	ng	100
51) 2,6-Dinitrotoluene	9.710	165	190116	43.315	ng	93
52) Acenaphthene	9.963	154	690672	40.473	ng	98
53) 3-Nitroaniline	9.875	138	185713	41.030	ng	98
54) 2,4-Dinitrophenol	9.980	184	92106	52.914	ng #	1
55) Dibenzofuran	10.133	168	964830	39.406	ng	98
56) 4-Nitrophenol	10.022	139	140574	40.368	ng	99
57) 2,4-Dinitrotoluene	10.110	165	241540	44.750	ng	95
58) Fluorene	10.475	166	725502	38.903	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	208621	41.495	ng	96
60) Diethylphthalate	10.345	149	769726	38.673	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	375551	39.877	ng	98
62) 4-Nitroaniline	10.486	138	174132	40.734	ng	96
63) Azobenzene	10.628	77	785480	37.225	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	126912	56.462	ng	94
66) n-Nitrosodiphenylamine	10.586	169	657938	39.892	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	242294	42.680	ng	96
68) Hexachlorobenzene	11.022	284	267054	41.827	ng	98
69) Atrazine	11.110	200	179895	40.265	ng	99
70) Pentachlorophenol	11.216	266	175060	45.178	ng	99
71) Phenanthrene	11.439	178	1015890	39.028	ng	100
72) Anthracene	11.492	178	1002955	39.491	ng	100
73) Carbazole	11.645	167	893010	37.808	ng	99
74) Di-n-butylphthalate	11.974	149	1041401	38.163	ng	99
75) Fluoranthene	12.627	202	987214	37.517	ng	99
77) Benzidine	12.745	184	286923	65.959	ng	100
78) Pyrene	12.857	202	981324	42.378	ng	100
80) Butylbenzylphthalate	13.474	149	287725	41.445	ng	97
81) Benzo(a)anthracene	14.039	228	699263	40.605	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	229894	45.786	ng	99
83) Chrysene	14.080	228	594964	37.681	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	331672	42.582	ng #	99
85) Di-n-octyl phthalate	14.645	149	583105	41.159	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	854880	43.090	ng	98
88) Benzo(b)fluoranthene	15.098	252	670218	35.677	ng	100
89) Benzo(k)fluoranthene	15.127	252	636690	39.299	ng	99
90) Benzo(a)pyrene	15.468	252	606890	39.262	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	712057	43.023	ng	98
92) Benzo(g,h,i)perylene	17.486	276	720021	43.554	ng	99

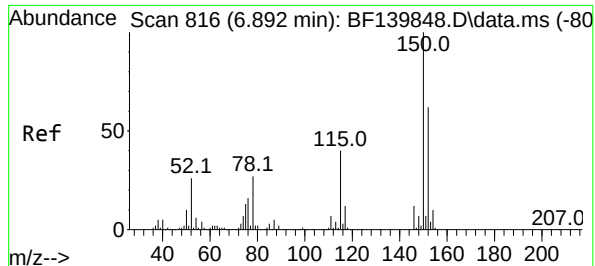
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\  
Data File : BF140001.D  
Acq On    : 24 Oct 2024  15:16  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

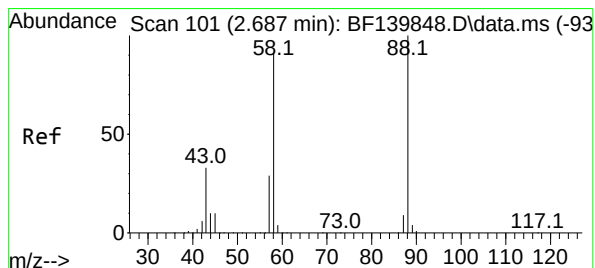
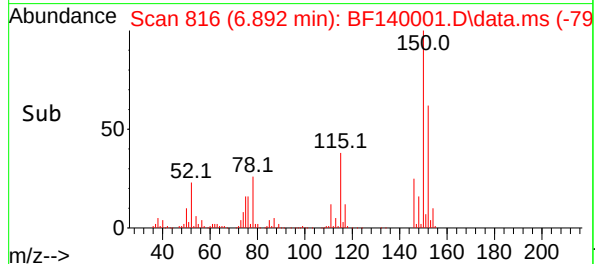
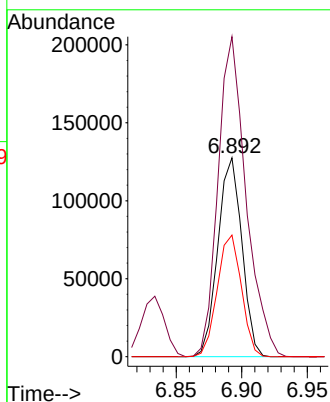
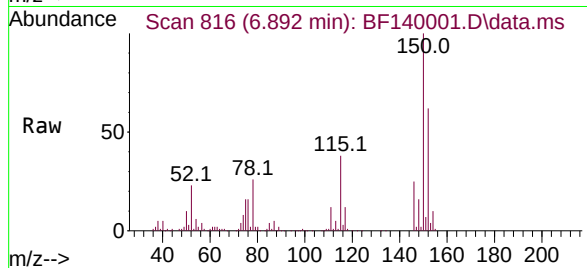




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

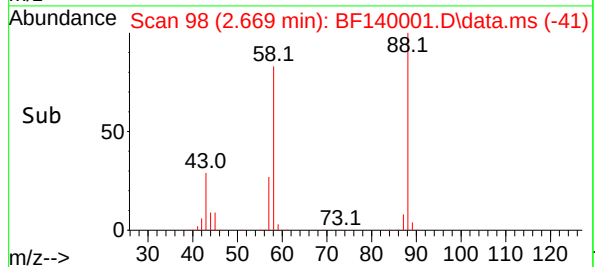
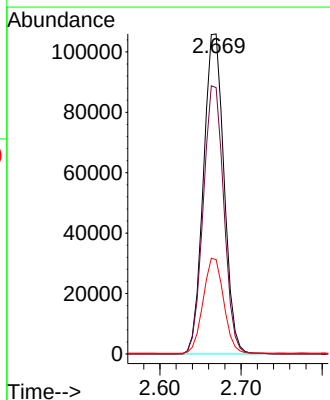
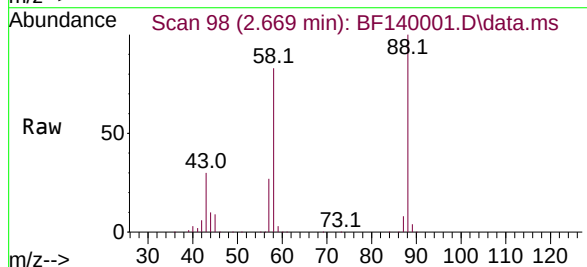
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

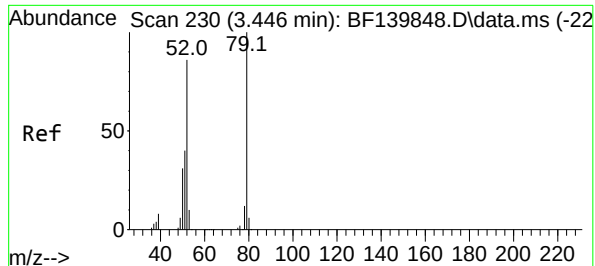
Tgt Ion:152 Resp: 162461
Ion Ratio Lower Upper
152 100
150 160.9 130.2 195.2
115 61.1 51.4 77.2



#2
1,4-Dioxane
Concen: 38.479 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

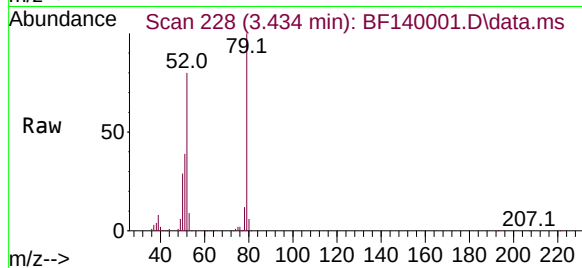
Tgt Ion: 88 Resp: 186182
Ion Ratio Lower Upper
88 100
58 83.9 73.3 109.9
43 29.7 27.1 40.7



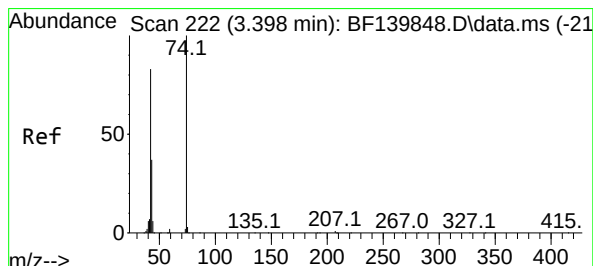
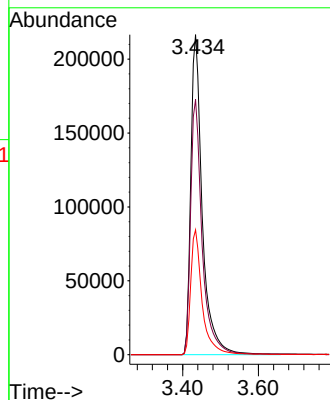
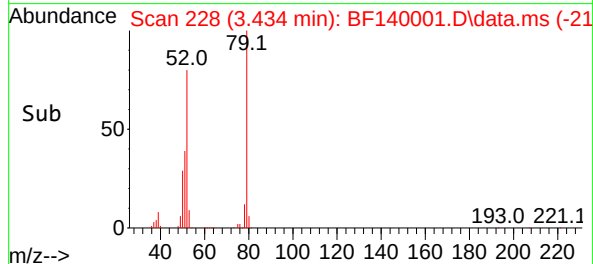


#3
Pyridine
Concen: 38.153 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

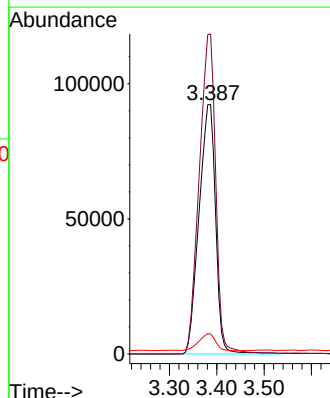
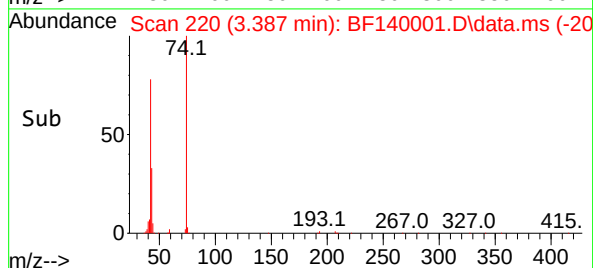
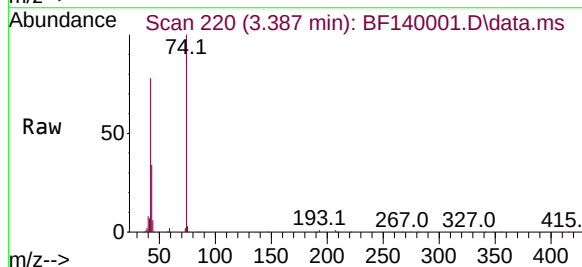


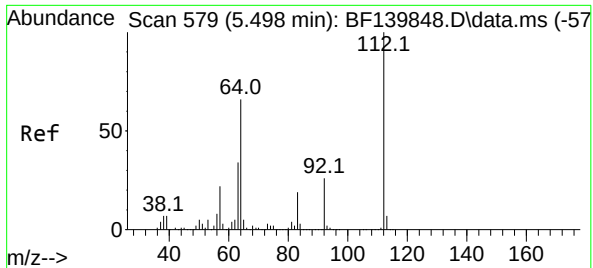
Tgt Ion: 79 Resp: 457587
Ion Ratio Lower Upper
79 100
52 79.7 68.5 102.7
51 39.0 32.3 48.5



#4
n-Nitrosodimethylamine
Concen: 34.702 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 42 Resp: 223610
Ion Ratio Lower Upper
42 100
74 128.3 96.2 144.4
44 8.1 6.2 9.2

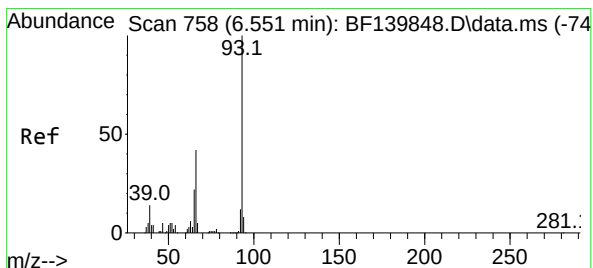
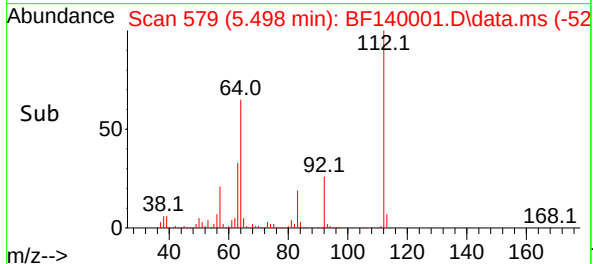
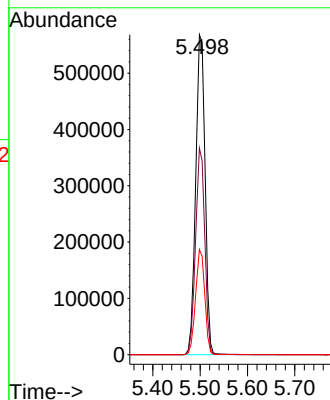
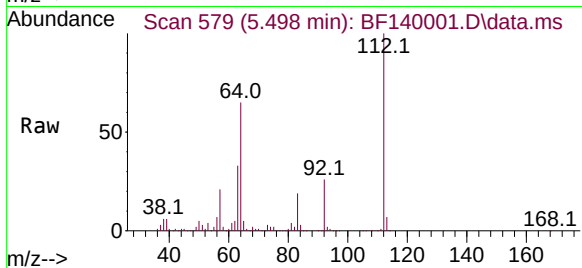




#5
2-Fluorophenol
Concen: 75.672 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

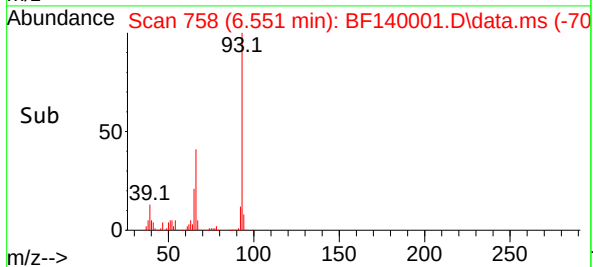
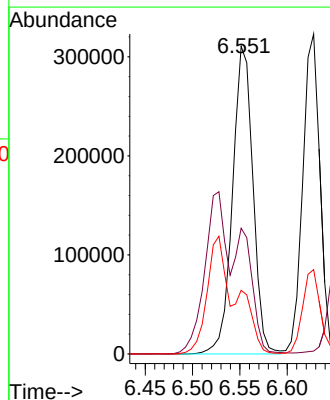
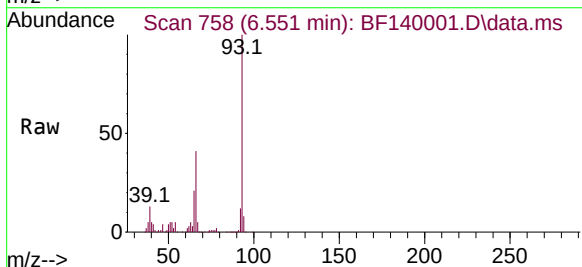
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

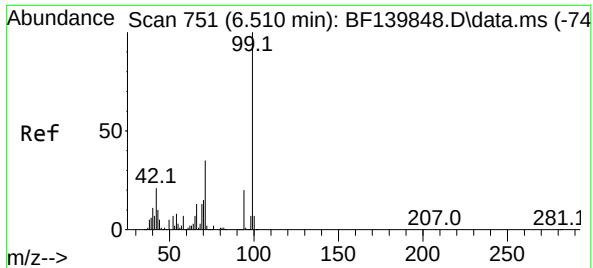
Tgt Ion:112 Resp: 785302
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 32.8 27.0 40.4



#6
Aniline
Concen: 37.209 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 93 Resp: 466105
Ion Ratio Lower Upper
93 100
66 40.9 34.0 51.0
65 20.7 17.4 26.0

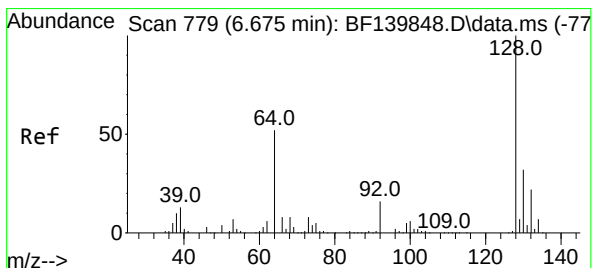
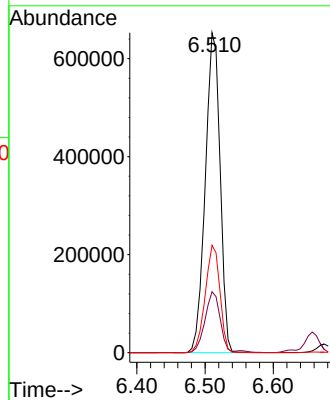
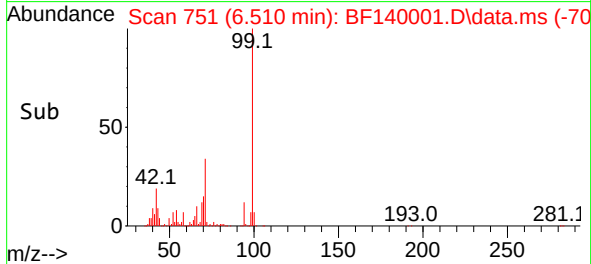
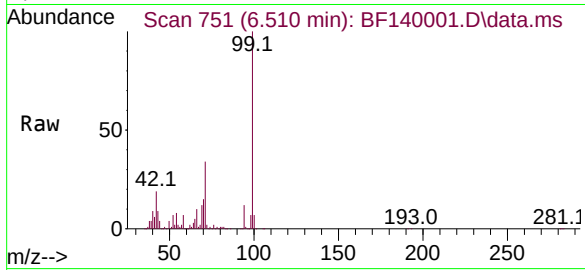




#7
Phenol-d6
Concen: 73.541 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

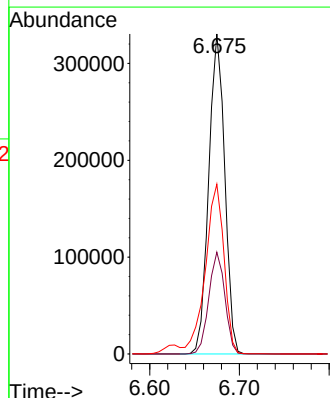
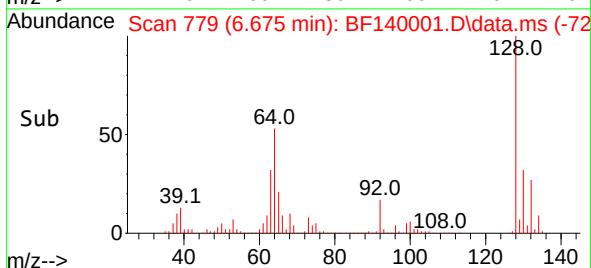
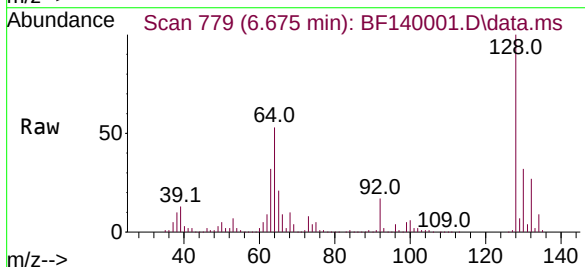
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

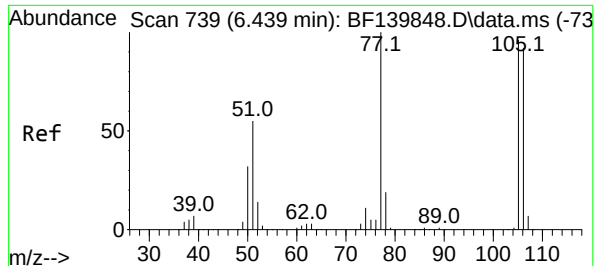
Tgt Ion: 99 Resp: 988444
Ion Ratio Lower Upper
99 100
42 19.0 16.7 25.1
71 33.5 27.7 41.5



#8
2-Chlorophenol
Concen: 38.564 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 128 Resp: 409134
Ion Ratio Lower Upper
128 100
130 31.8 12.3 52.3
64 53.0 34.6 74.6





#9

Benzaldehyde

Concen: 40.001 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

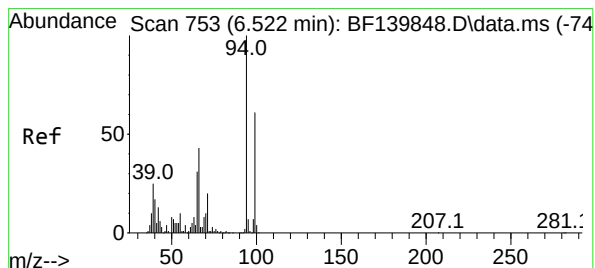
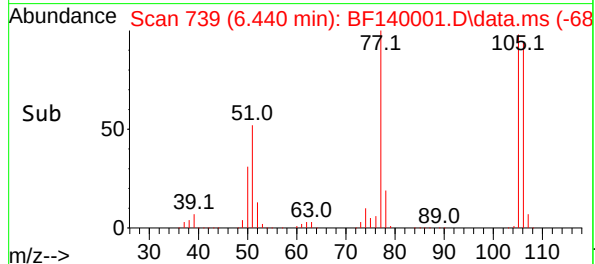
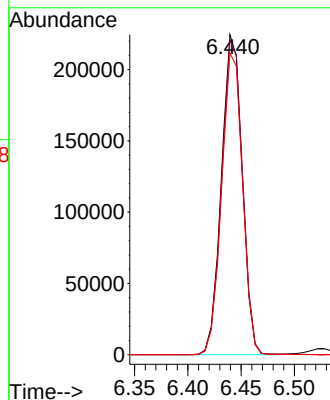
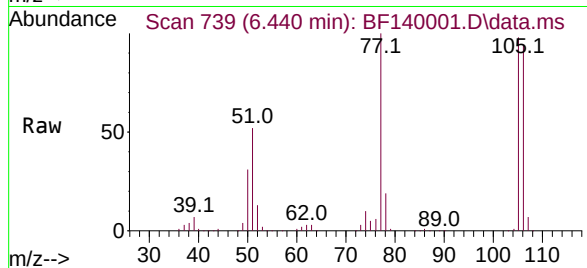
Tgt Ion: 77 Resp: 302456

Ion Ratio Lower Upper

77 100

105 98.2 75.5 115.5

106 94.3 71.7 111.7



#10

Phenol

Concen: 37.544 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

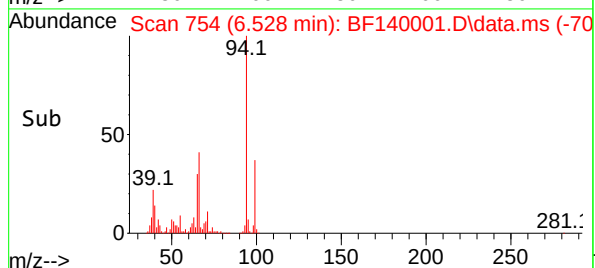
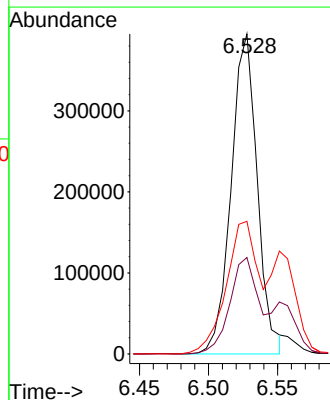
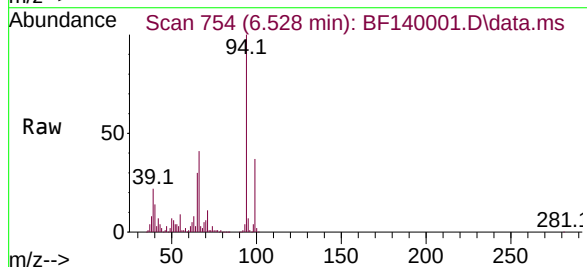
Tgt Ion: 94 Resp: 520234

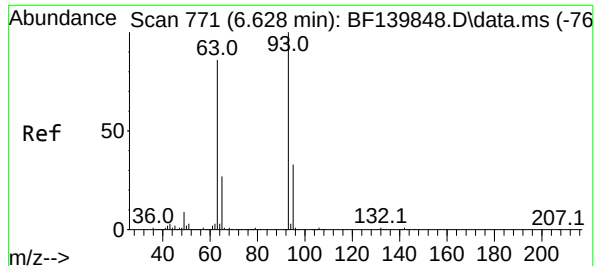
Ion Ratio Lower Upper

94 100

65 30.1 11.1 51.1

66 41.5 22.7 62.7

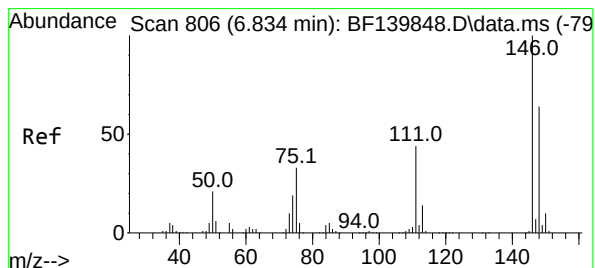
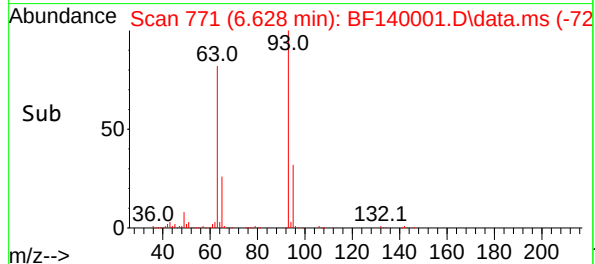
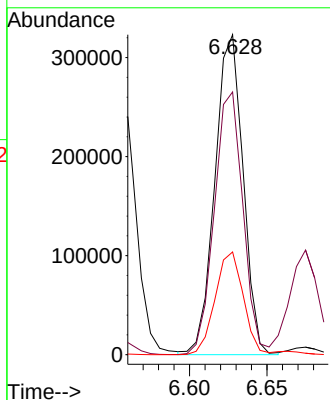
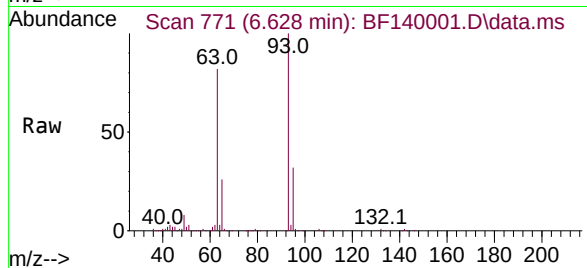




#11
bis(2-Chloroethyl)ether
Concen: 38.186 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

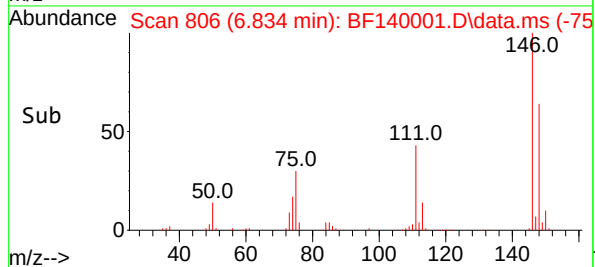
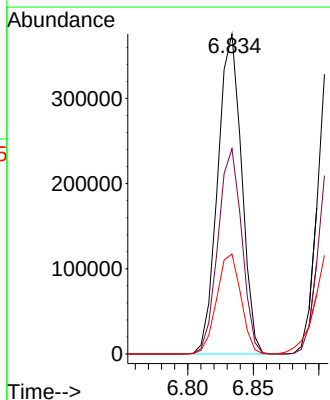
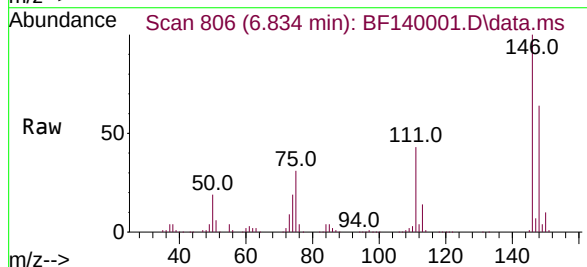
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

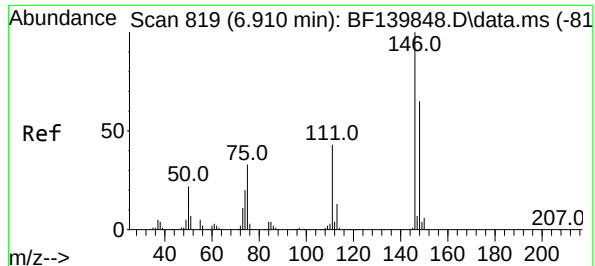
Tgt Ion: 93 Resp: 408985
Ion Ratio Lower Upper
93 100
63 82.1 65.0 105.0
95 32.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.005 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 146 Resp: 475014
Ion Ratio Lower Upper
146 100
148 64.2 51.0 76.4
75 31.2 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.154 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

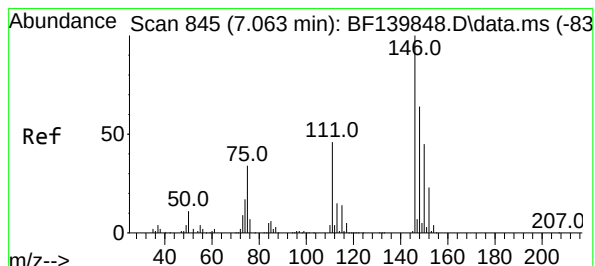
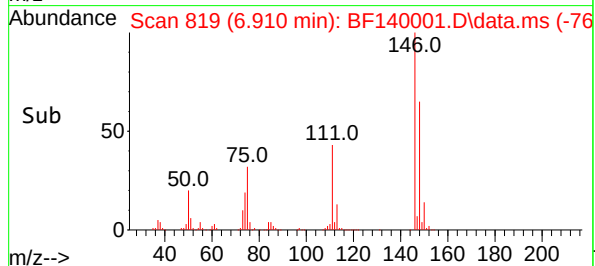
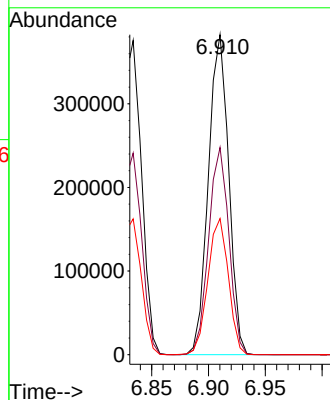
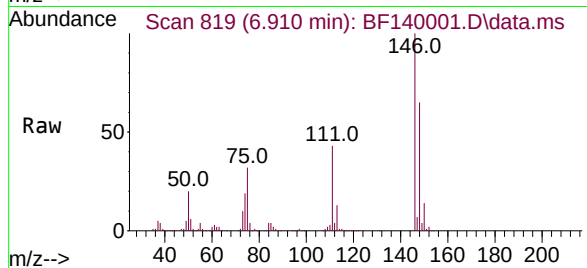
Tgt Ion:146 Resp: 476387

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.8

111 42.6 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 39.134 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

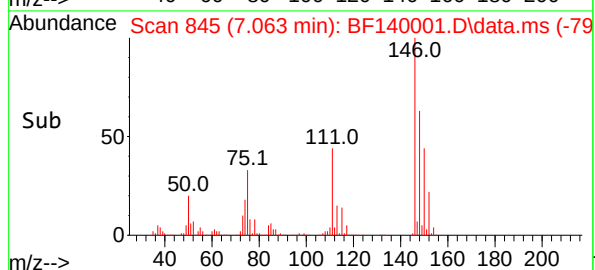
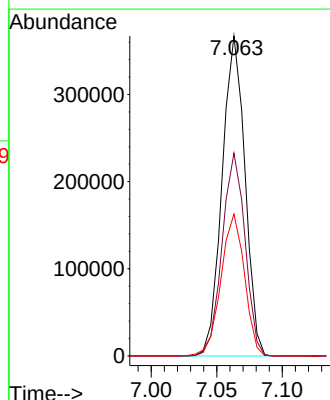
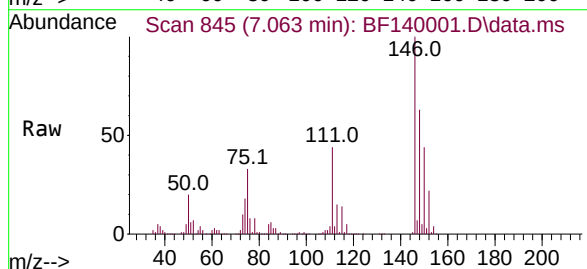
Tgt Ion:146 Resp: 444385

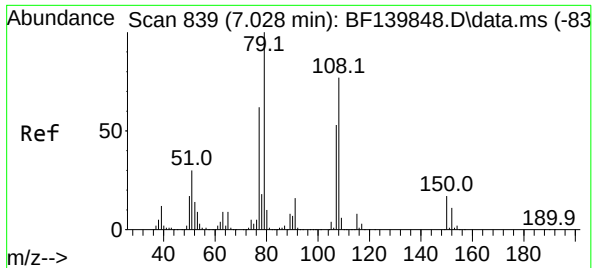
Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.2

111 44.4 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.266 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

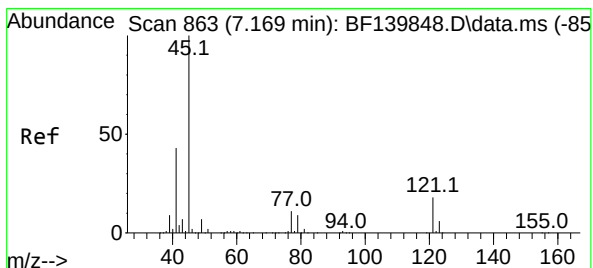
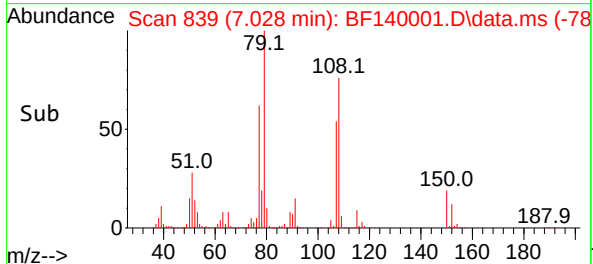
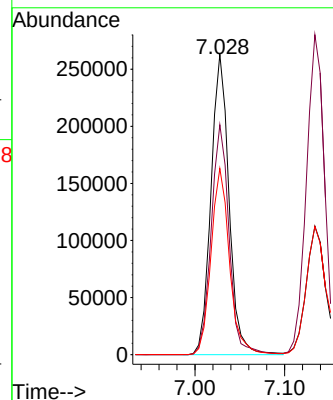
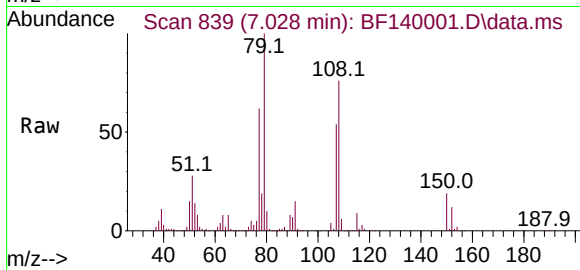
Tgt Ion: 79 Resp: 367419

Ion Ratio Lower Upper

79 100

108 76.5 61.4 92.0

77 62.0 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.654 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

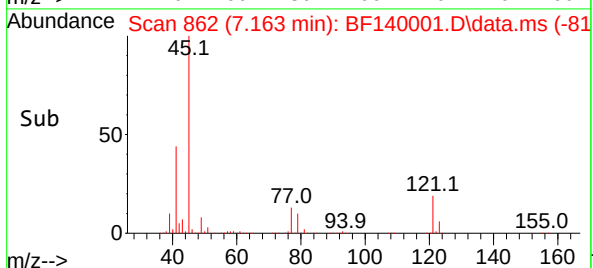
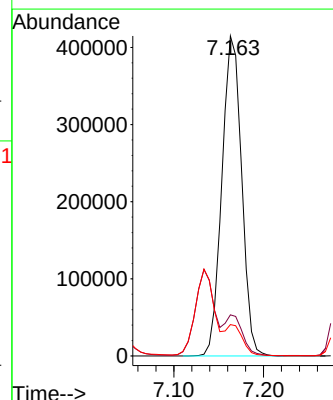
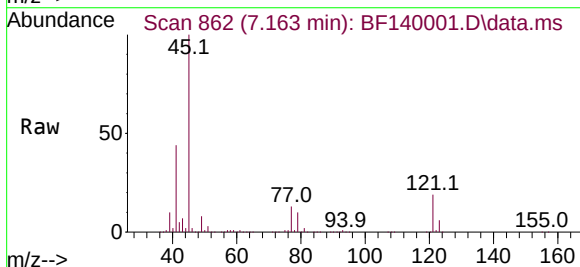
Tgt Ion: 45 Resp: 632869

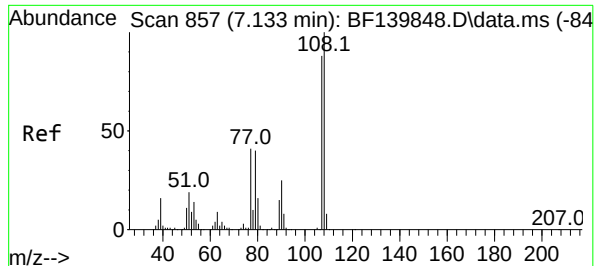
Ion Ratio Lower Upper

45 100

77 12.9 0.0 31.5

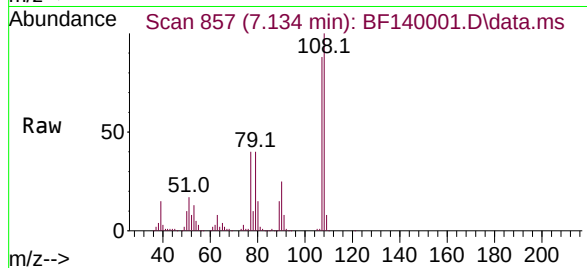
79 9.8 0.0 29.1



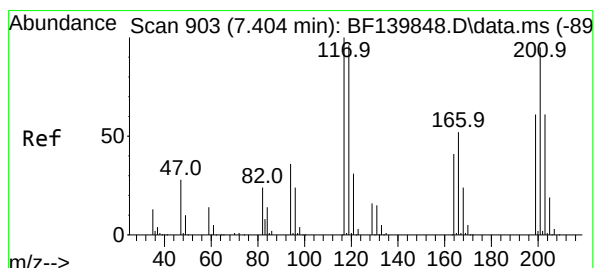
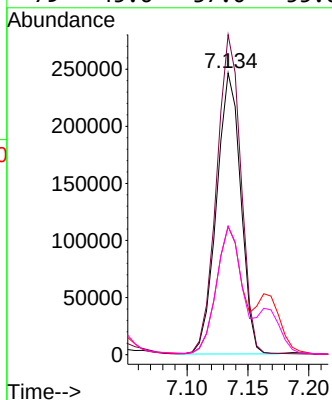
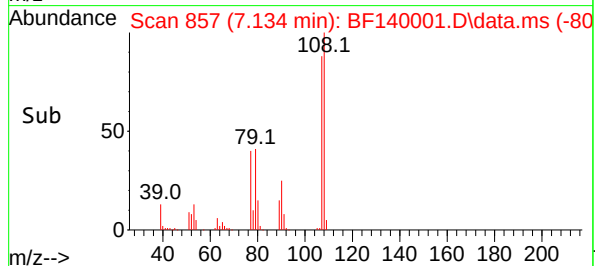


#17
2-Methylphenol
Concen: 37.597 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

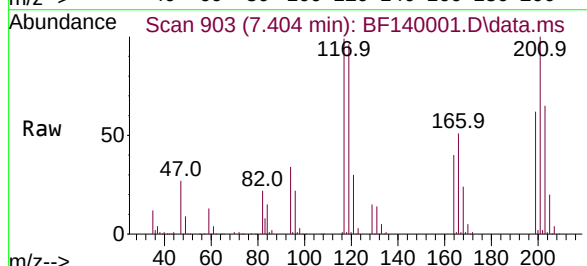
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



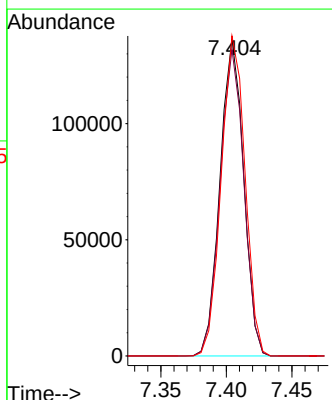
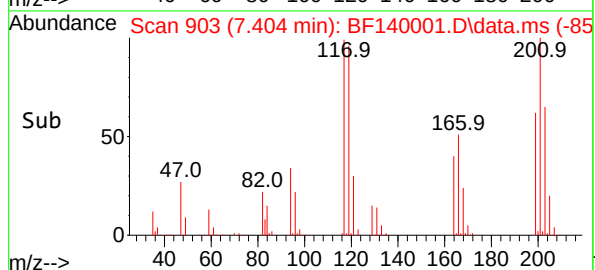
Tgt Ion:	107	Resp:	340117
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.3	136.9
77	45.5	37.1	55.7
79	45.6	37.0	55.6

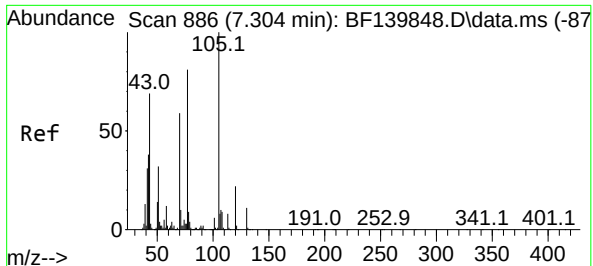


#18
Hexachloroethane
Concen: 39.364 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16



Tgt Ion:	117	Resp:	170793
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.4
201	100.8	76.2	114.4

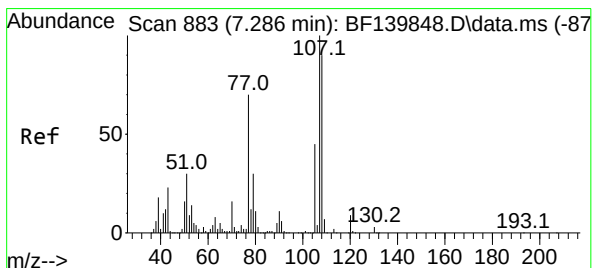
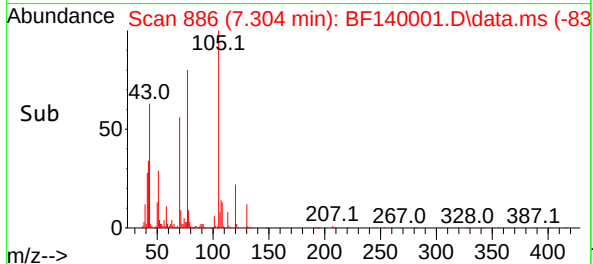
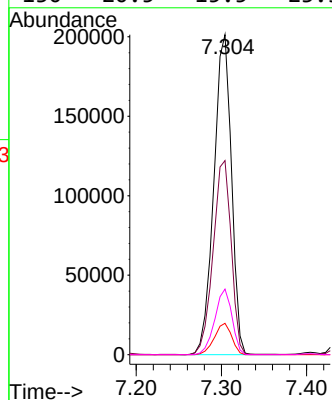
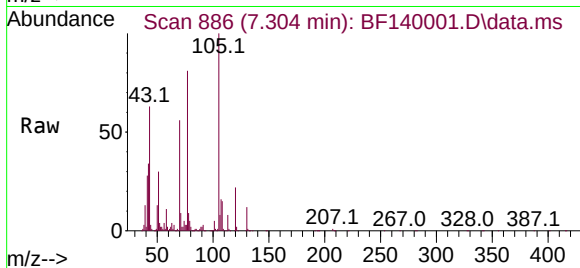




#19
n-Nitroso-di-n-propylamine
Concen: 35.422 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

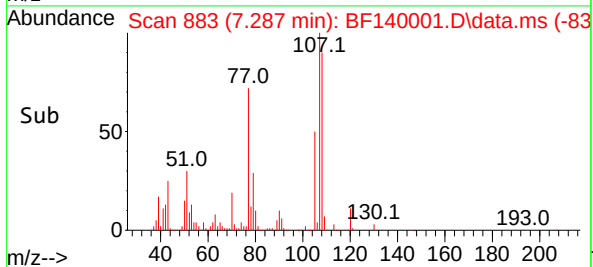
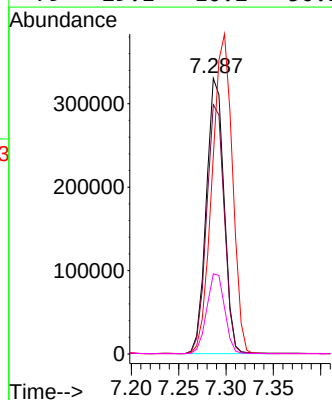
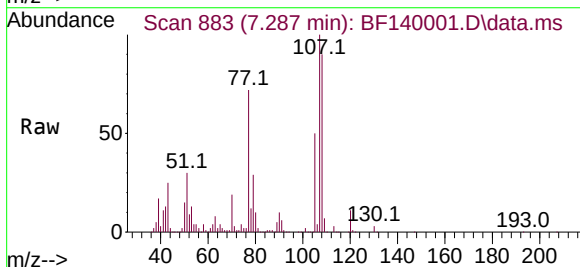
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

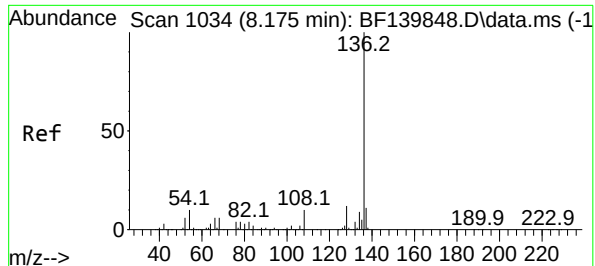
Tgt Ion: 70 Resp: 288756
Ion Ratio Lower Upper
70 100
42 60.7 51.5 77.3
101 9.8 7.5 11.3
130 20.5 15.5 23.3



#20
3+4-Methylphenols
Concen: 37.117 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 107 Resp: 429485
Ion Ratio Lower Upper
107 100
108 90.4 69.8 109.8
77 71.9 50.5 90.5
79 29.1 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 593909

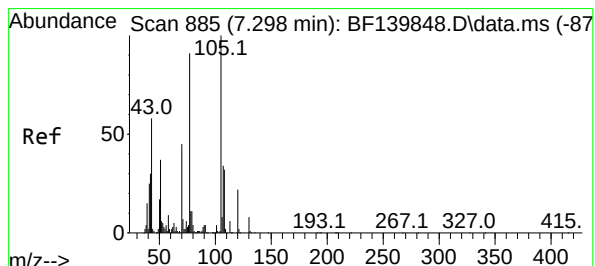
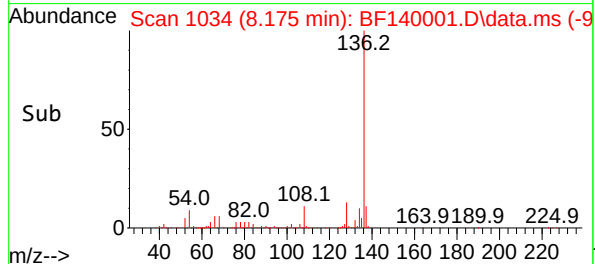
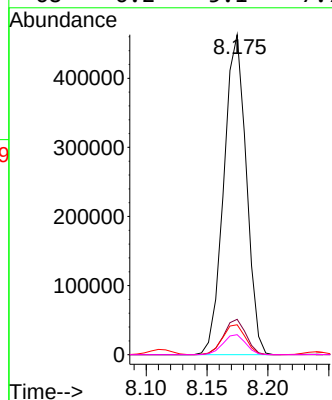
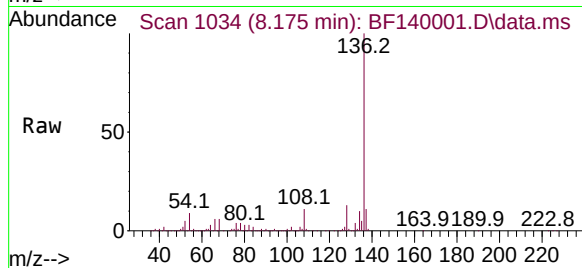
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 9.3 8.4 12.6

68 6.2 5.1 7.7



#22

Acetophenone

Concen: 38.519 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Tgt Ion:105 Resp: 560330

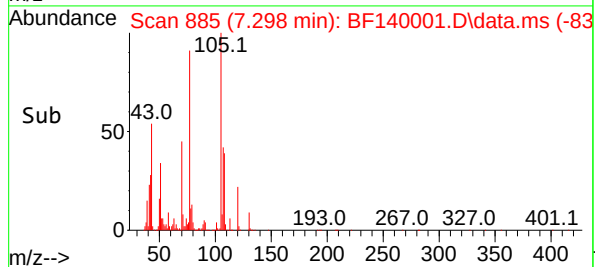
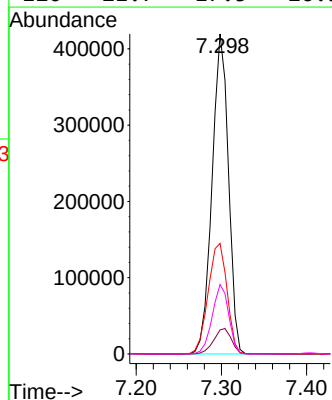
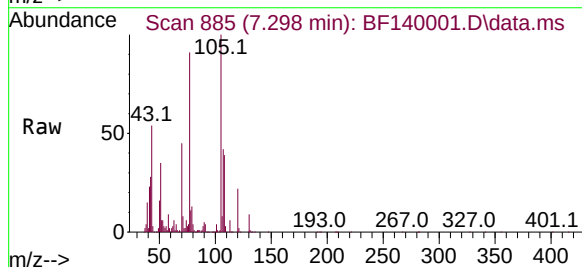
Ion Ratio Lower Upper

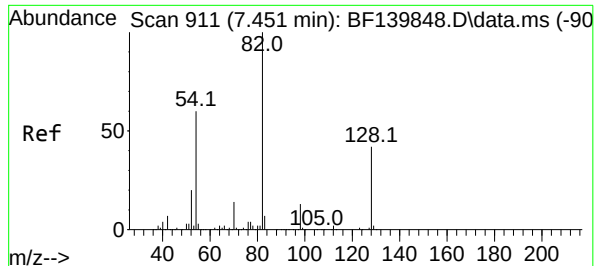
105 100

71 7.5 5.9 8.9

51 34.5 29.4 44.2

120 21.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.969 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

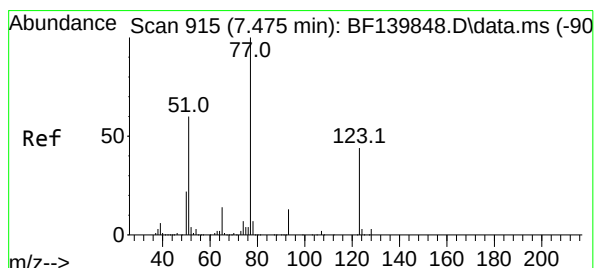
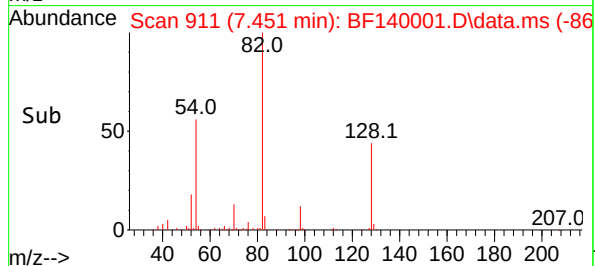
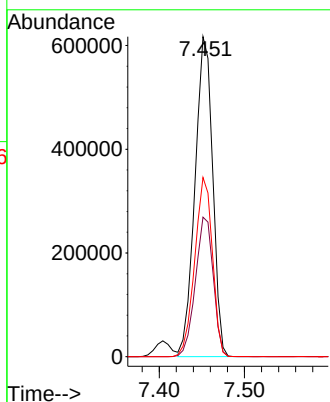
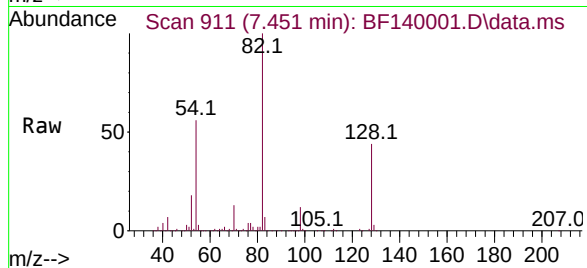
Tgt Ion: 82 Resp: 889079

Ion Ratio Lower Upper

82 100

128 43.6 33.4 50.0

54 56.0 47.8 71.8



#24

Nitrobenzene

Concen: 40.170 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

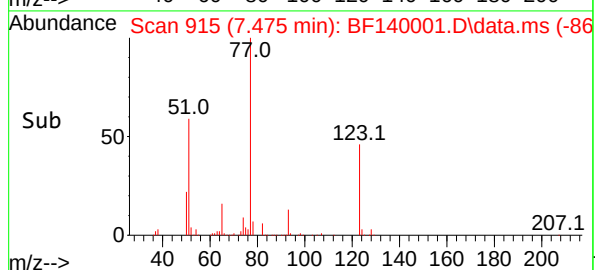
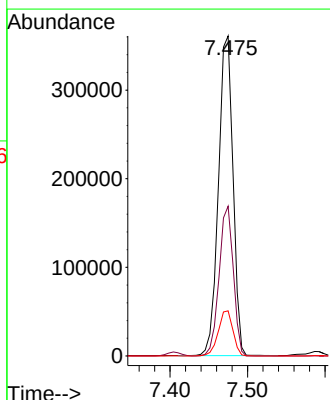
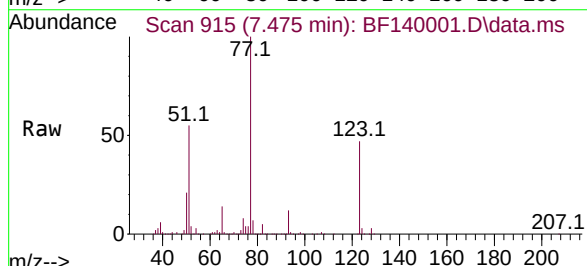
Tgt Ion: 77 Resp: 471946

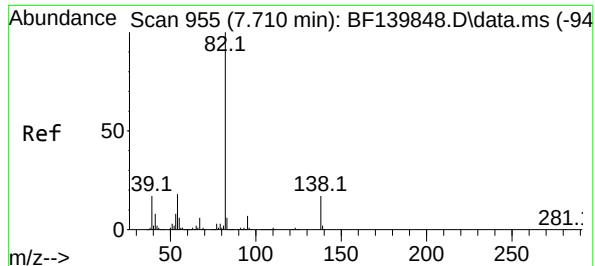
Ion Ratio Lower Upper

77 100

123 46.8 35.7 53.5

65 14.1 11.5 17.3





#25

Isophorone

Concen: 38.266 ng

RT: 7.710 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

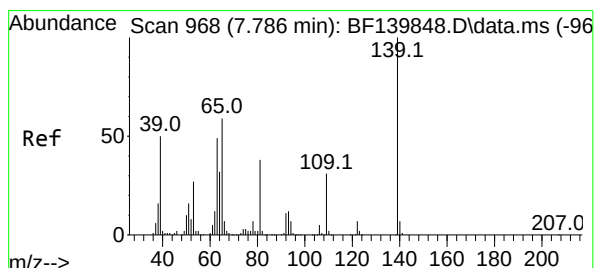
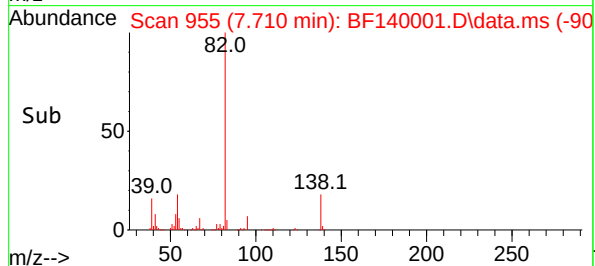
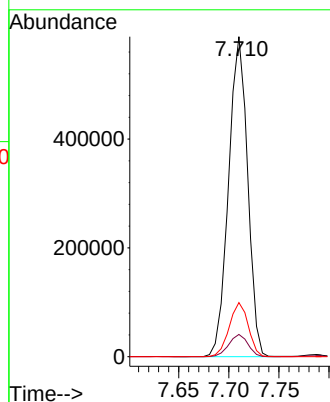
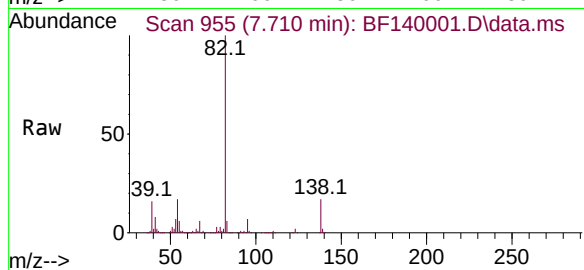
Tgt Ion: 82 Resp: 778277

Ion Ratio Lower Upper

82 100

95 7.0 5.5 8.3

138 16.9 13.2 19.8



#26

2-Nitrophenol

Concen: 47.835 ng

RT: 7.787 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

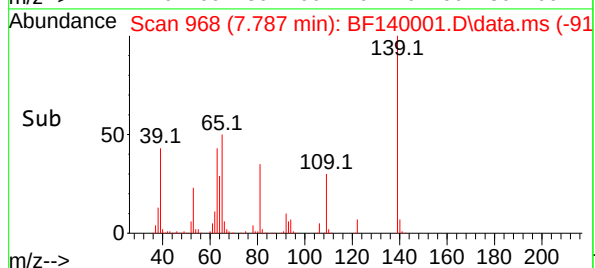
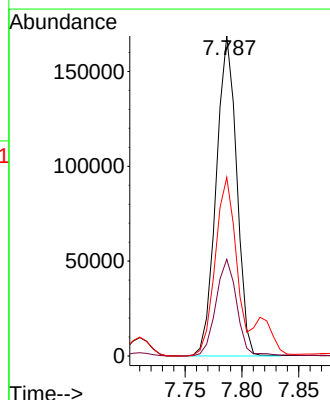
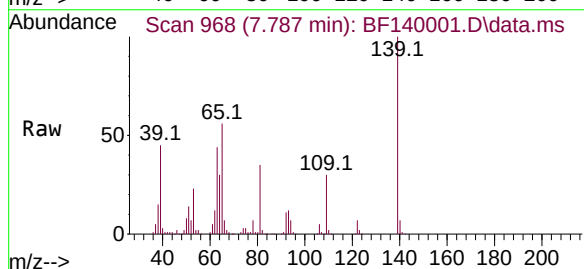
Tgt Ion:139 Resp: 212018

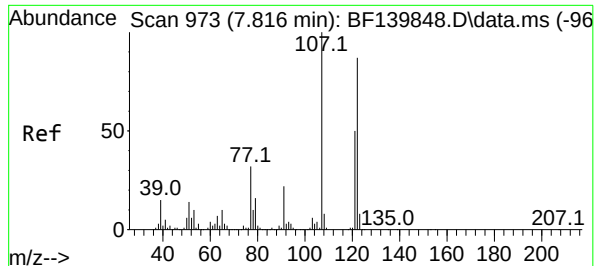
Ion Ratio Lower Upper

139 100

109 30.2 25.1 37.7

65 55.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 38.208 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

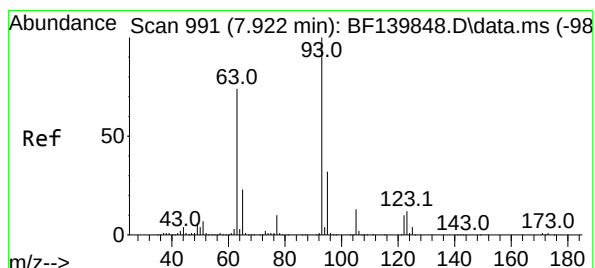
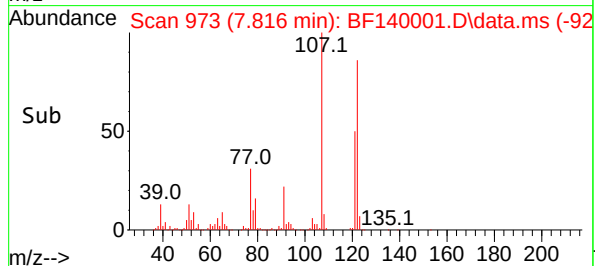
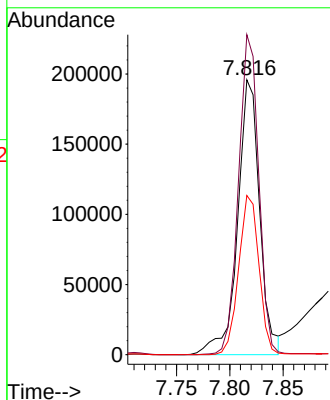
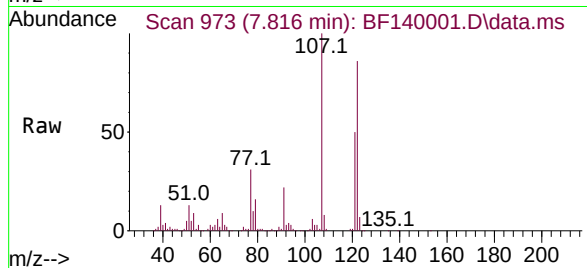
Tgt Ion:122 Resp: 282380

Ion Ratio Lower Upper

122 100

107 116.4 91.9 137.9

121 57.9 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.197 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

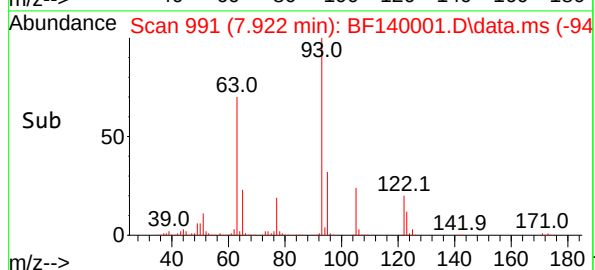
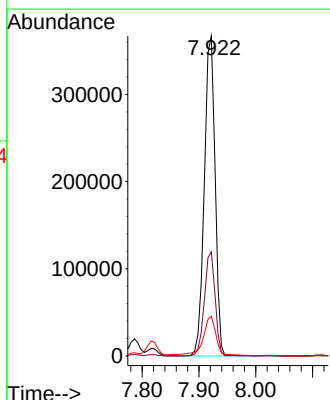
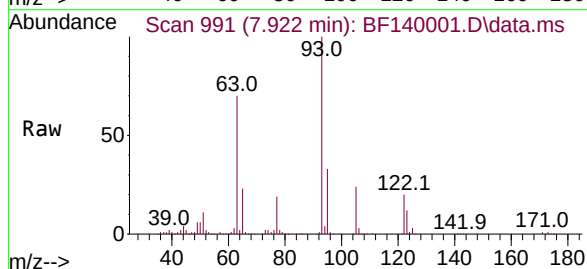
Tgt Ion: 93 Resp: 483000

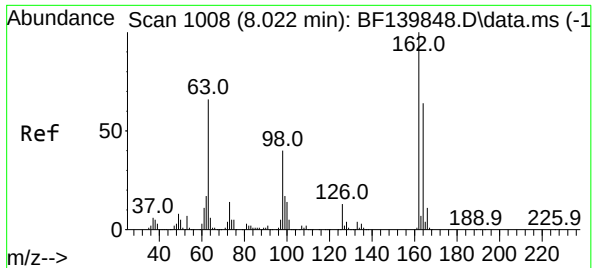
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 12.4 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 40.223 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

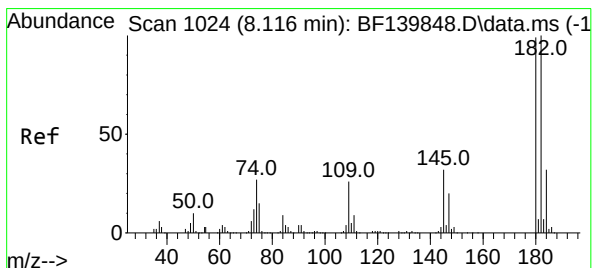
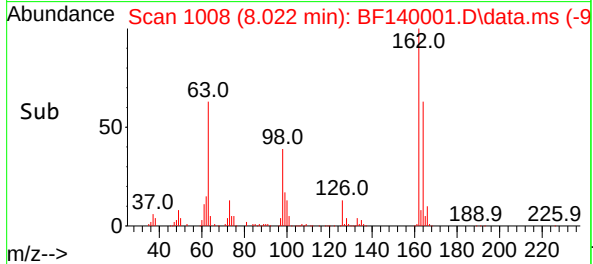
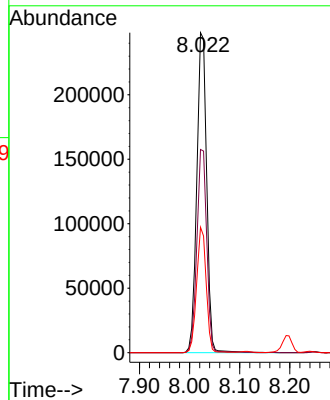
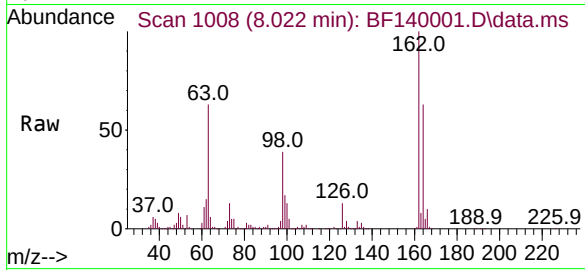
Tgt Ion:162 Resp: 338602

Ion Ratio Lower Upper

162 100

164 63.5 43.9 83.9

98 39.2 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 40.717 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

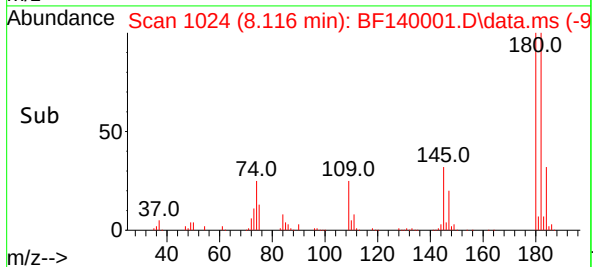
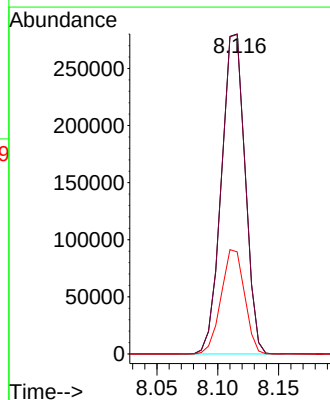
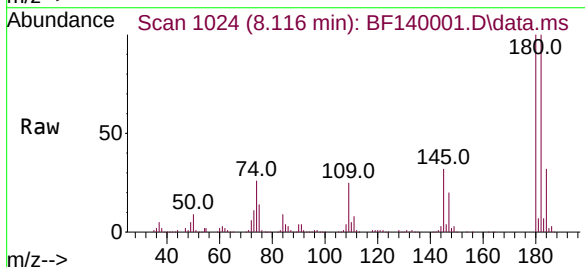
Tgt Ion:180 Resp: 379262

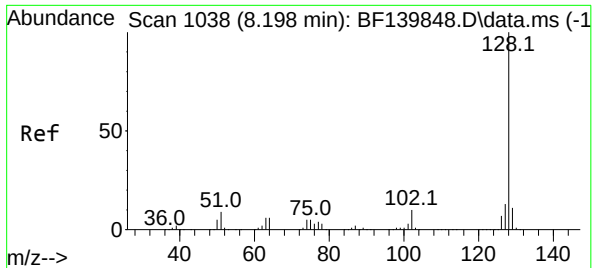
Ion Ratio Lower Upper

180 100

182 99.9 80.5 120.7

145 31.9 25.4 38.0





#31

Naphthalene

Concen: 39.358 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

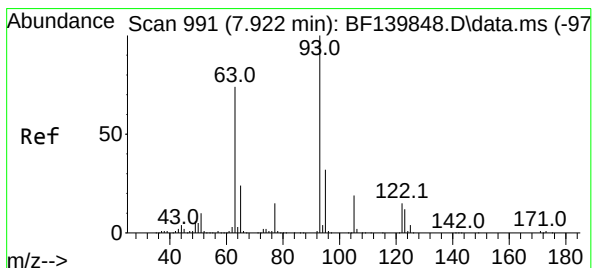
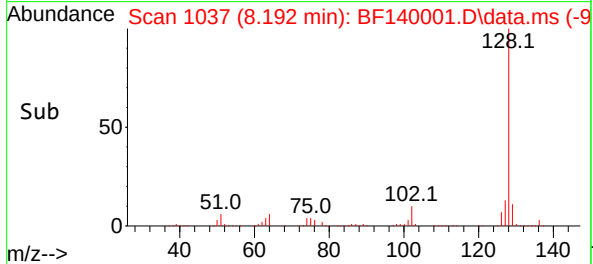
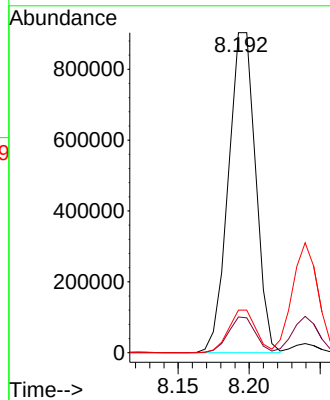
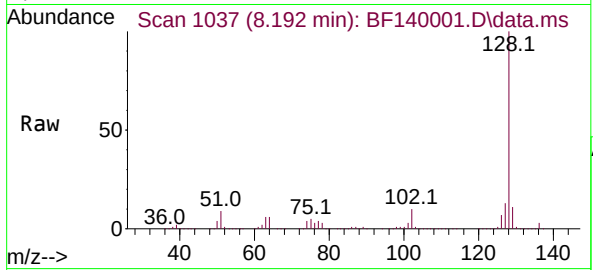
Tgt Ion:128 Resp: 1205536

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 44.404 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

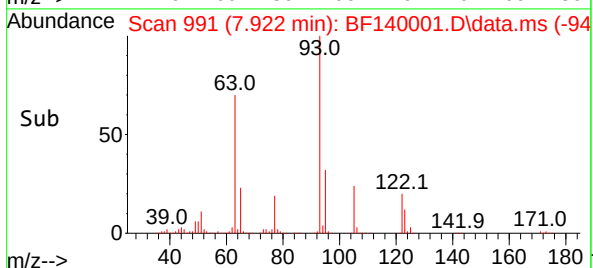
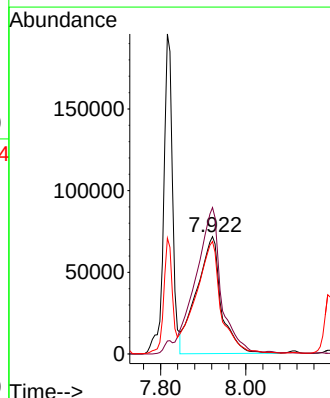
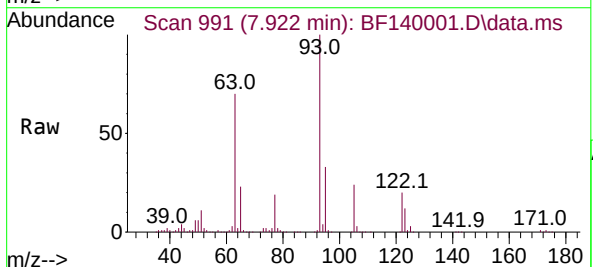
Tgt Ion:122 Resp: 286230

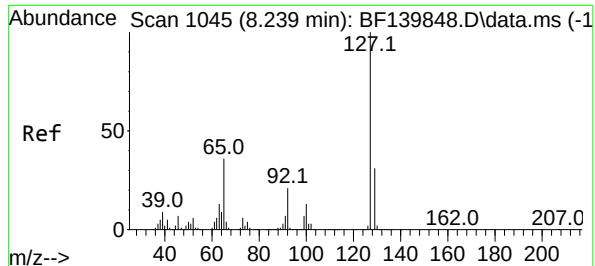
Ion Ratio Lower Upper

122 100

105 124.9 107.6 147.6

77 96.0 80.2 120.2





#33

4-Chloroaniline

Concen: 38.210 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 399083

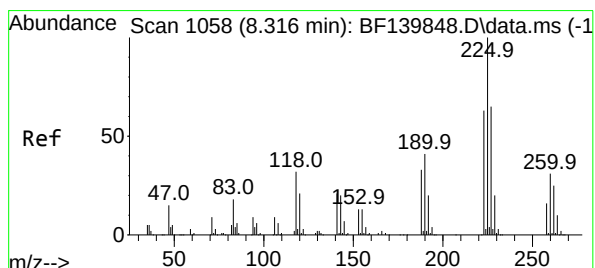
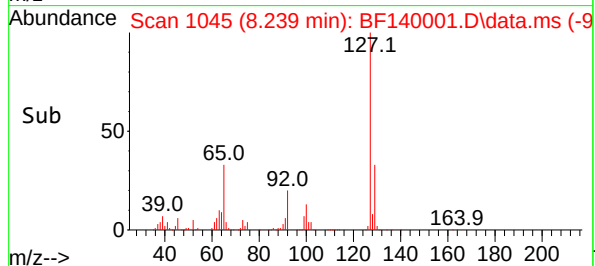
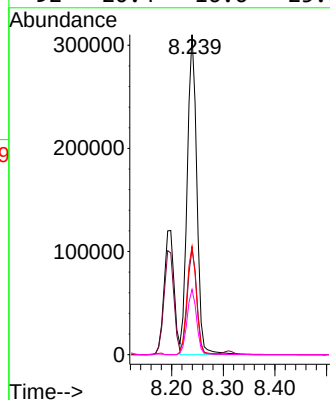
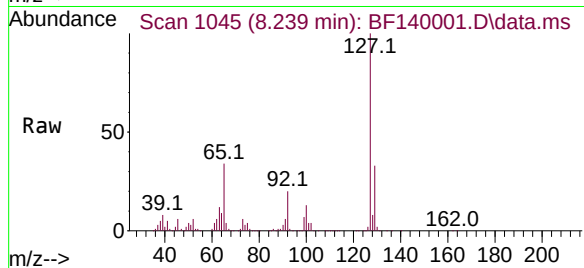
Ion Ratio Lower Upper

127 100

129 33.1 25.4 38.2

65 33.8 28.4 42.6

92 20.4 16.6 25.0



#34

Hexachlorobutadiene

Concen: 41.298 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

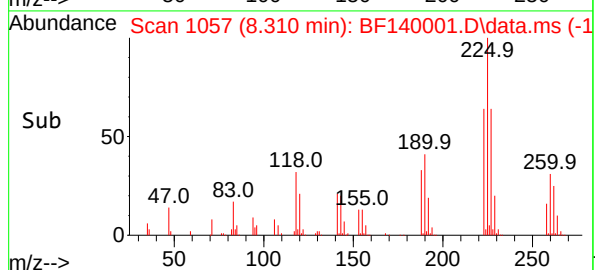
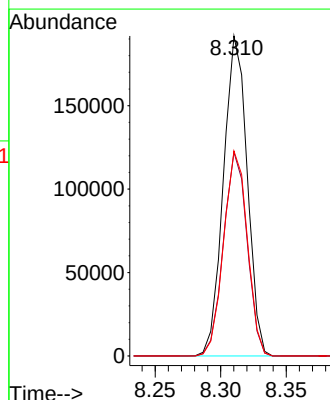
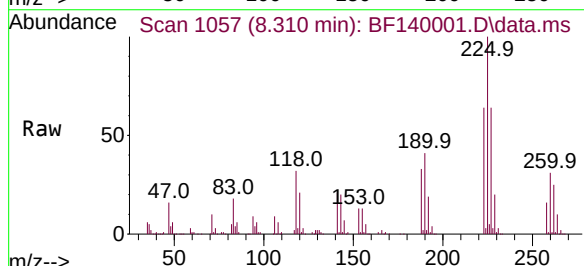
Tgt Ion:225 Resp: 241696

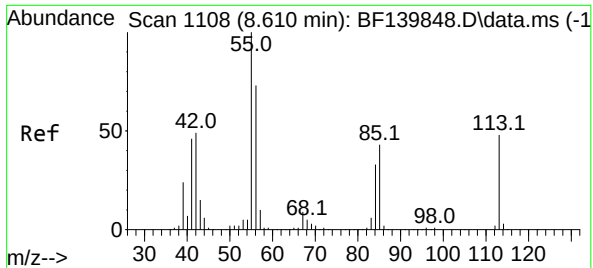
Ion Ratio Lower Upper

225 100

223 63.6 50.6 76.0

227 64.1 51.8 77.8

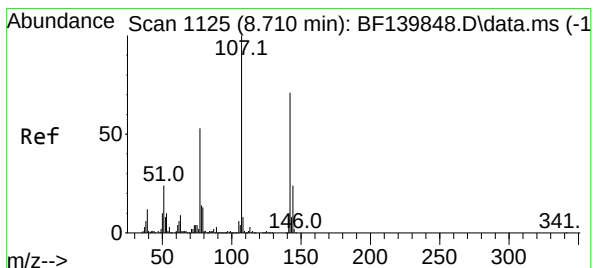
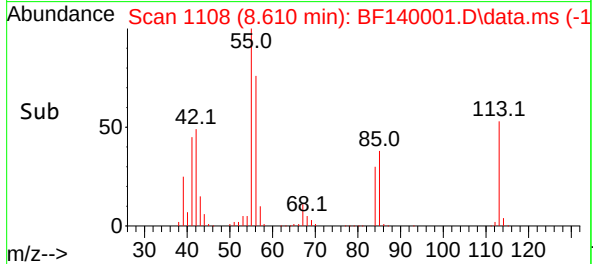
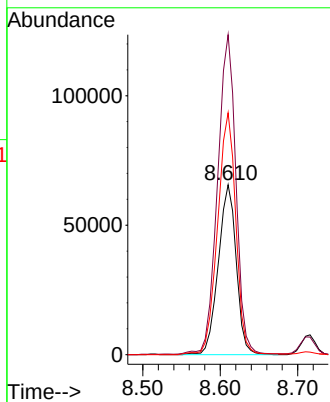
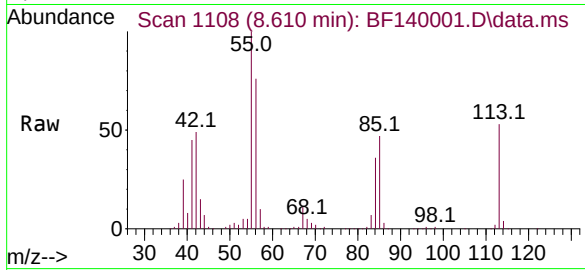




#35
Caprolactam
Concen: 39.419 ng
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

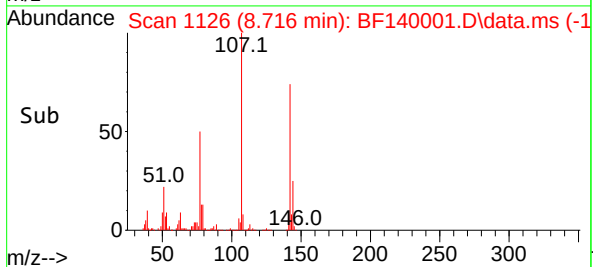
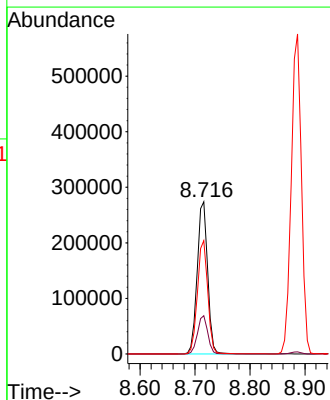
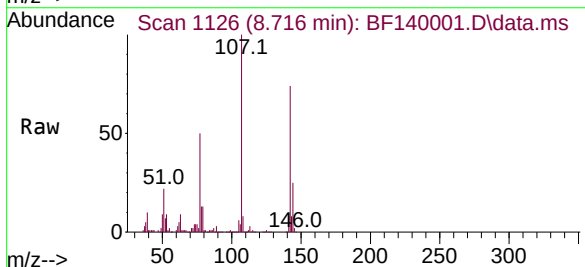
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

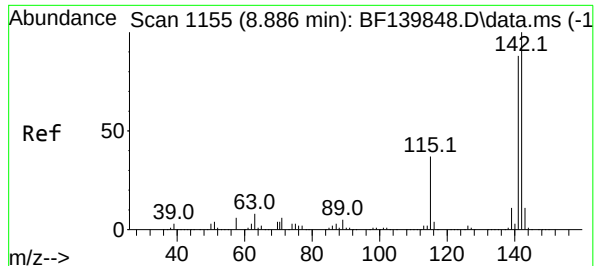
Tgt Ion:113 Resp: 105511
Ion Ratio Lower Upper
113 100
55 188.2 189.2 229.2#
56 142.4 132.5 172.5



#36
4-Chloro-3-methylphenol
Concen: 38.961 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:107 Resp: 363168
Ion Ratio Lower Upper
107 100
144 25.2 19.1 28.7
142 74.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 39.467 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

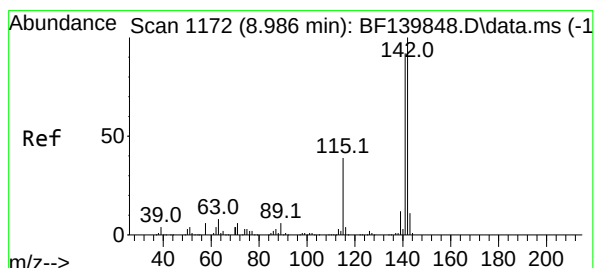
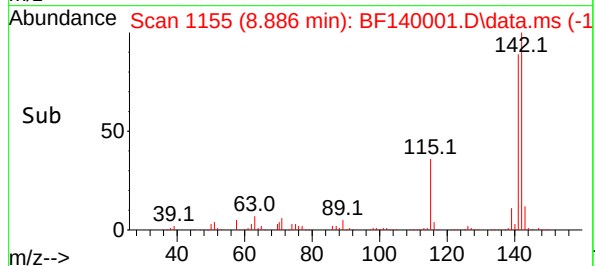
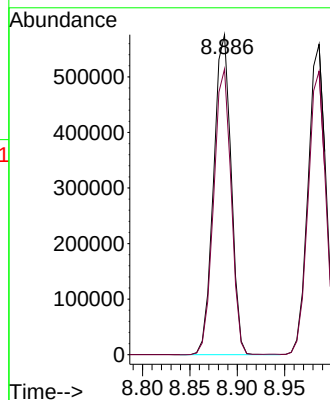
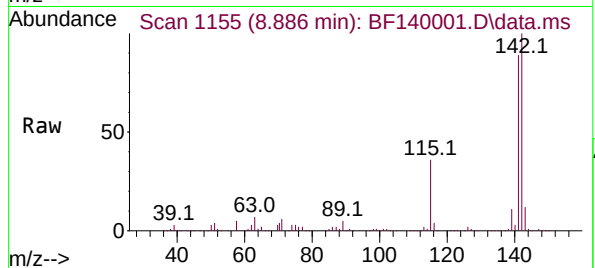
SSTDCCC040

Tgt Ion:142 Resp: 740369

Ion Ratio Lower Upper

142 100

141 89.2 70.8 106.2



#38

1-Methylnaphthalene

Concen: 39.253 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140001.D

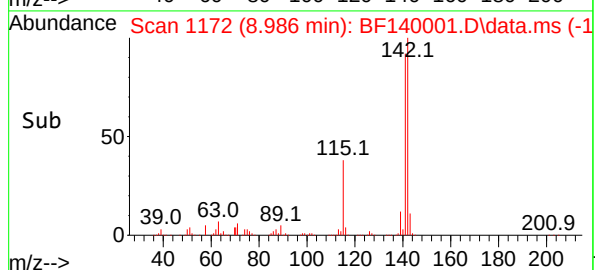
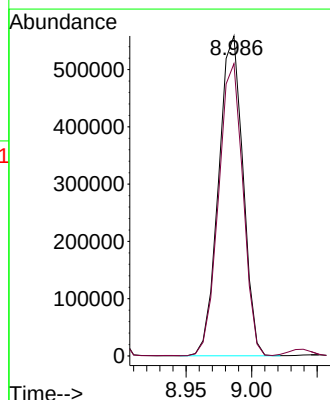
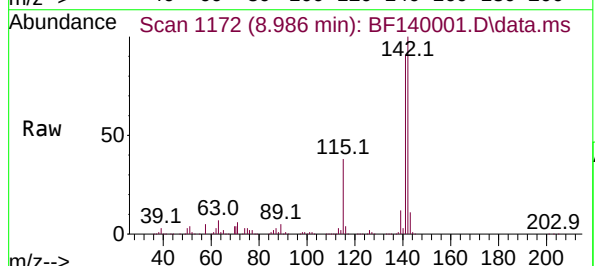
Acq: 24 Oct 2024 15:16

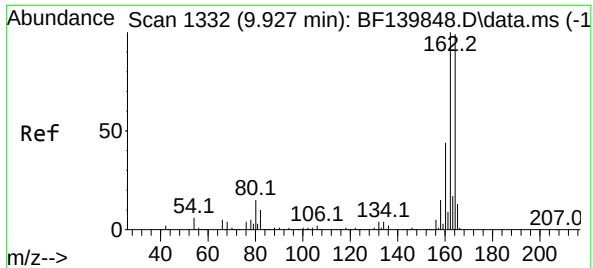
Tgt Ion:142 Resp: 722456

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3

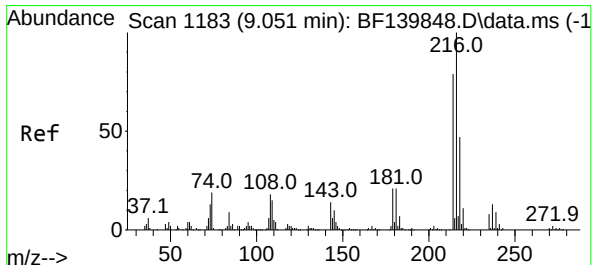
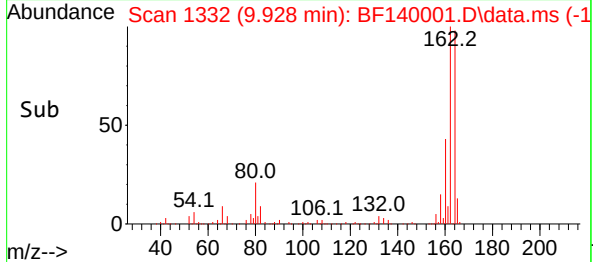
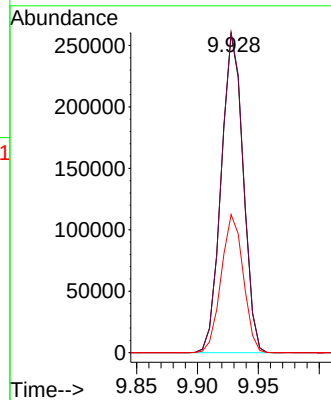
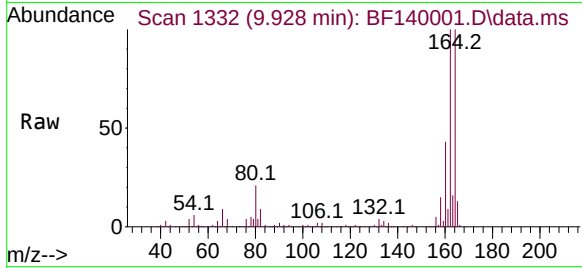




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1183
Delta R.T. 0.001 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

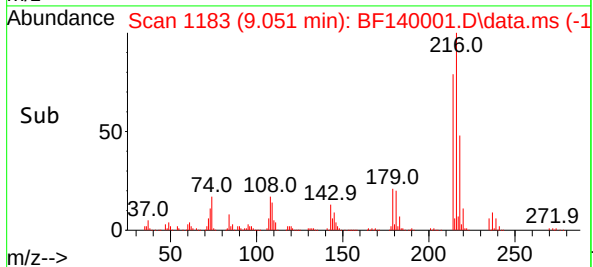
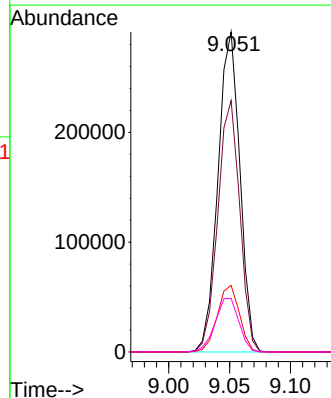
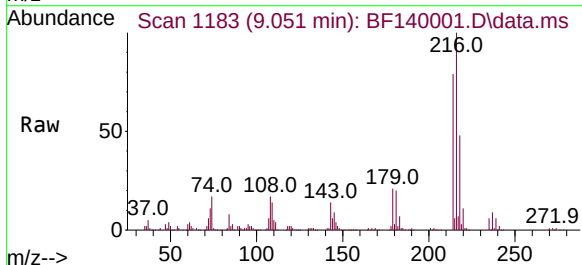
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

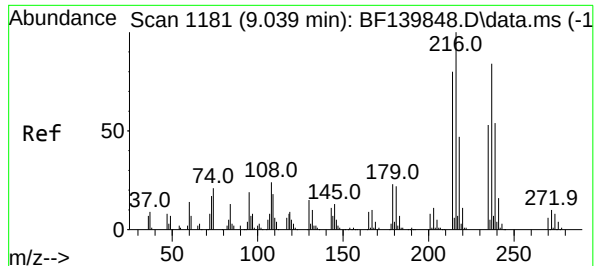
Tgt Ion:164 Resp: 325446
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 43.3 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.507 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:216 Resp: 364431
Ion Ratio Lower Upper
216 100
214 78.6 63.4 95.0
179 21.0 17.2 25.8
108 18.2 15.6 23.4

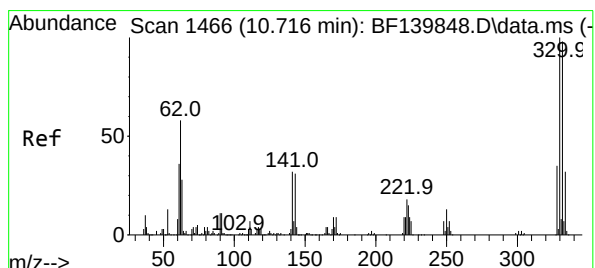
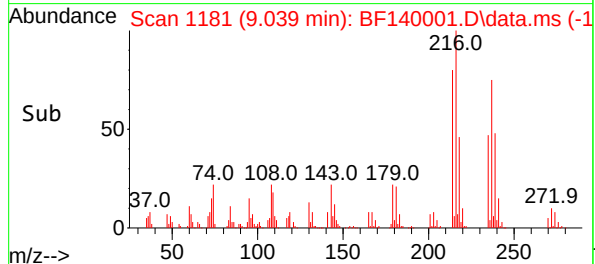
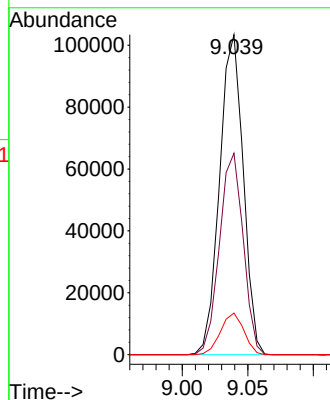
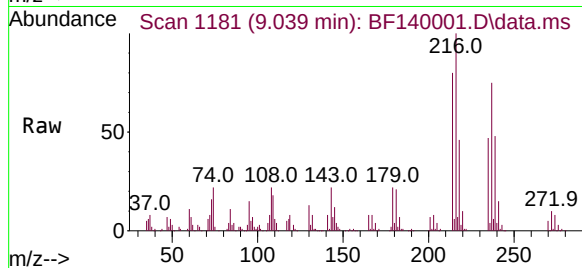




#41
Hexachlorocyclopentadiene
Concen: 42.369 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

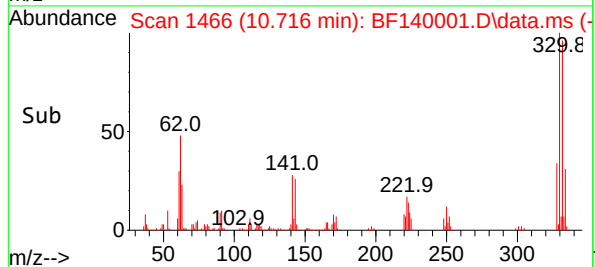
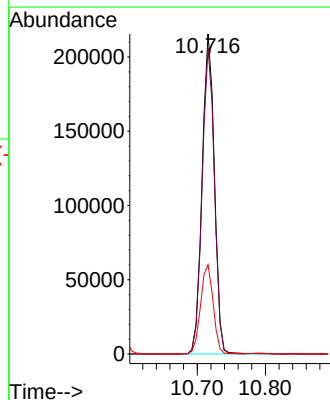
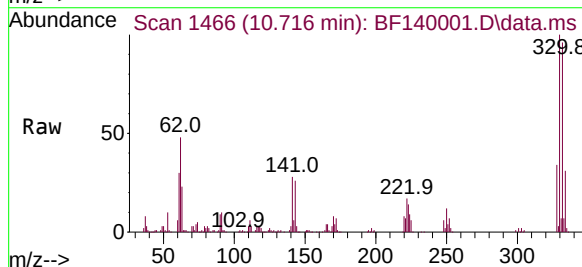
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

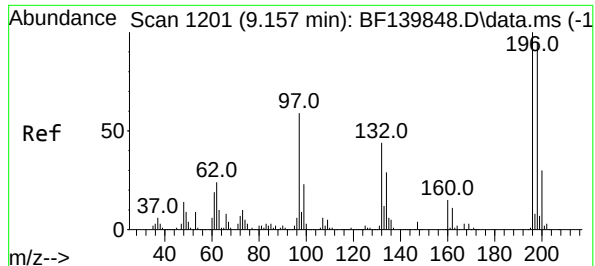
Tgt Ion:237 Resp: 129438
Ion Ratio Lower Upper
237 100
235 63.0 42.9 82.9
272 13.0 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 88.611 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:330 Resp: 269743
Ion Ratio Lower Upper
330 100
332 95.6 78.1 117.1
141 28.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.531 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

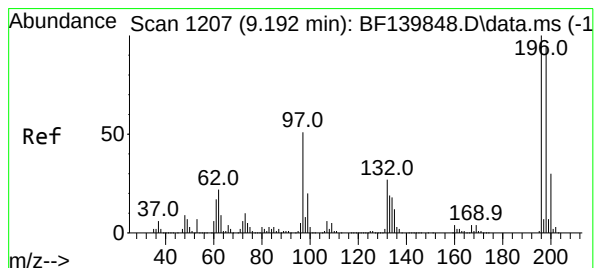
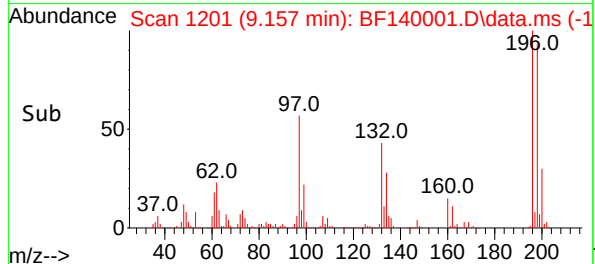
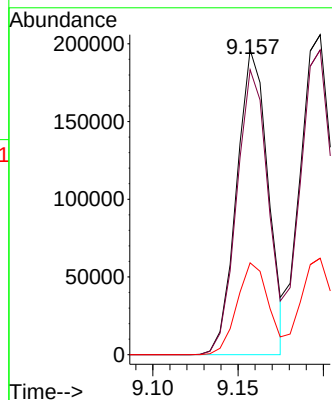
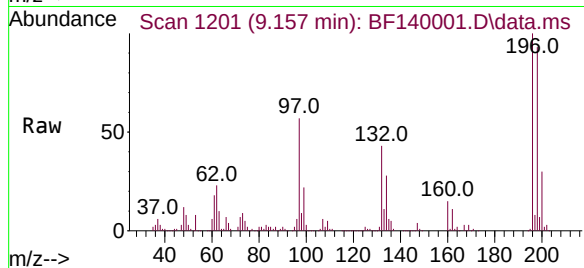
Tgt Ion:196 Resp: 251948

Ion Ratio Lower Upper

196 100

198 93.4 76.2 114.2

200 30.1 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 42.166 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Tgt Ion:196 Resp: 270426

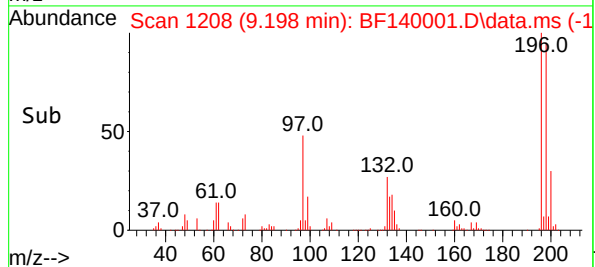
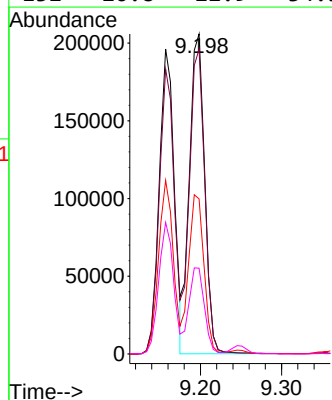
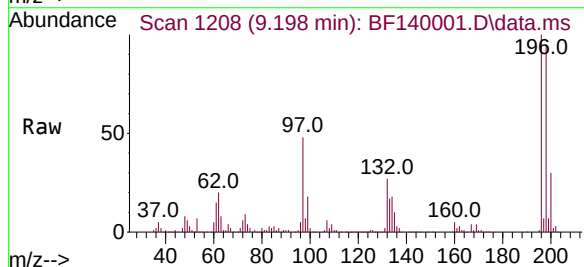
Ion Ratio Lower Upper

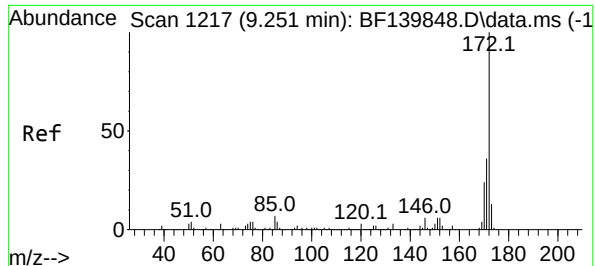
196 100

198 95.2 75.8 113.6

97 48.4 41.8 62.6

132 26.8 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 79.111 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

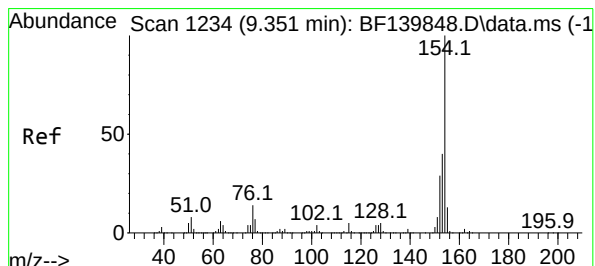
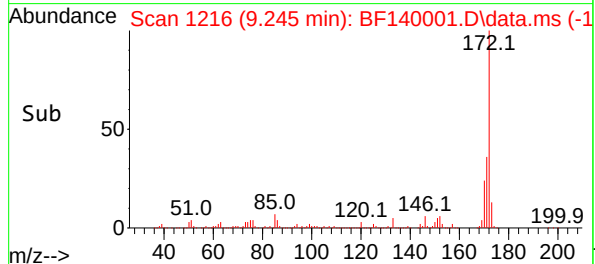
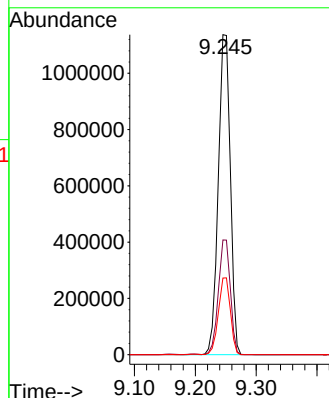
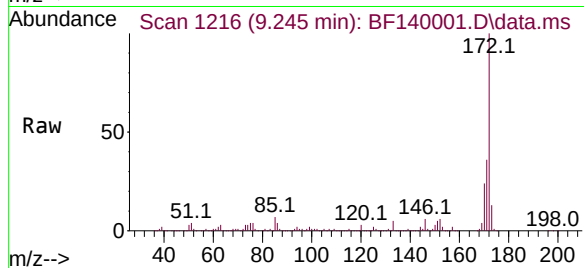
Tgt Ion:172 Resp: 1557843

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.9 19.1 28.7



#46

1,1'-Biphenyl

Concen: 40.017 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

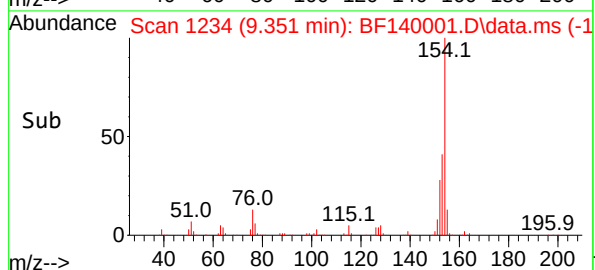
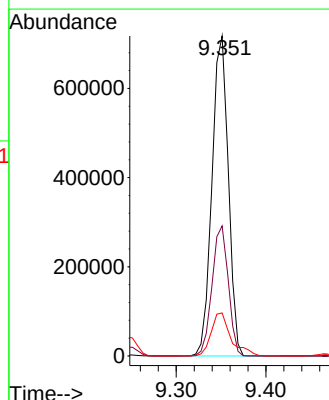
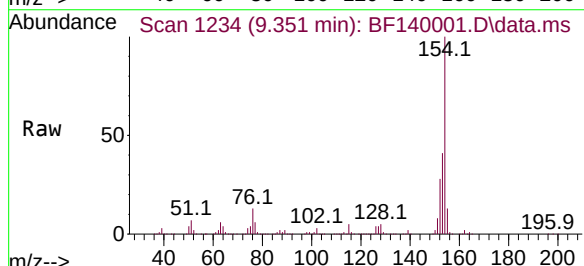
Tgt Ion:154 Resp: 906616

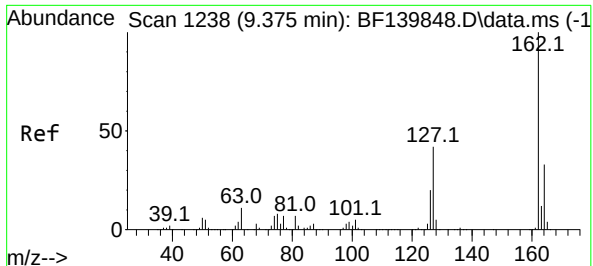
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.5 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.195 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

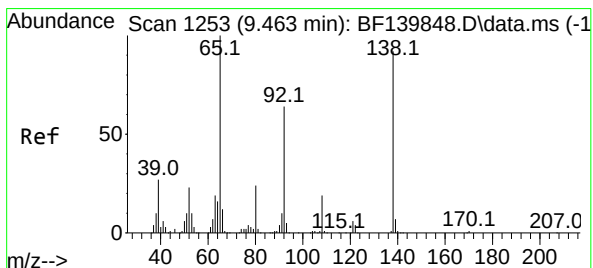
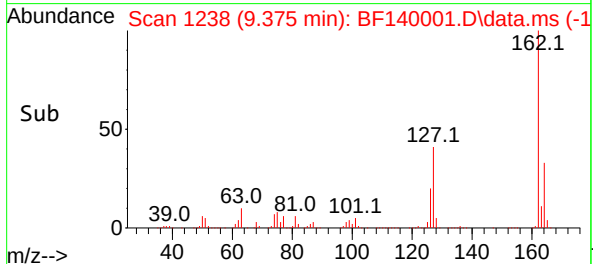
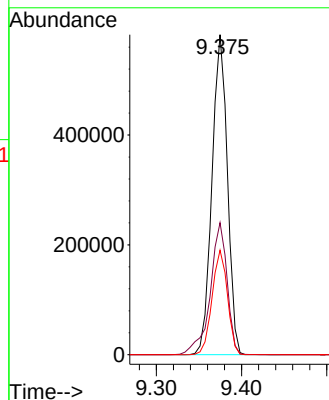
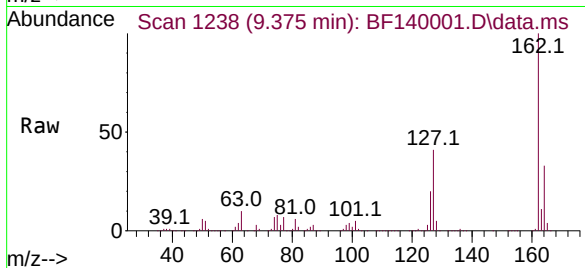
Tgt Ion:162 Resp: 733451

Ion Ratio Lower Upper

162 100

127 41.3 33.8 50.6

164 32.6 26.6 39.8



#48

2-Nitroaniline

Concen: 42.983 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

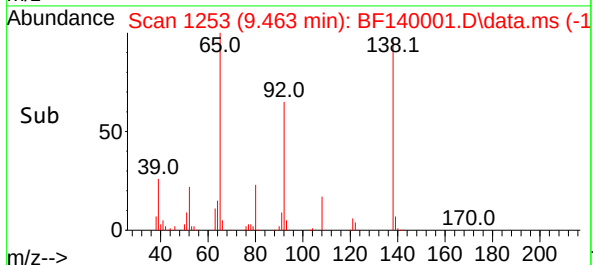
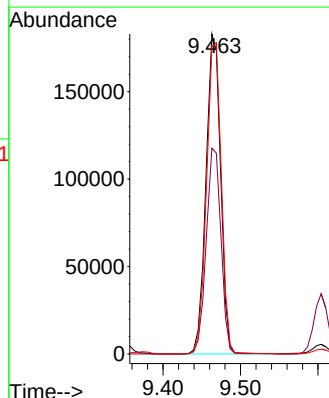
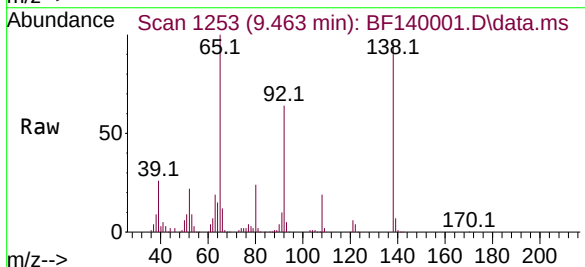
Tgt Ion: 65 Resp: 239883

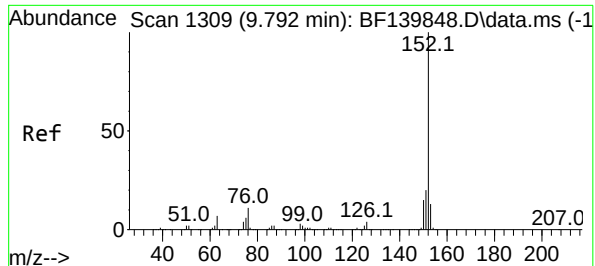
Ion Ratio Lower Upper

65 100

92 64.3 50.9 76.3

138 96.0 73.4 110.0





#49

Acenaphthylene

Concen: 39.476 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

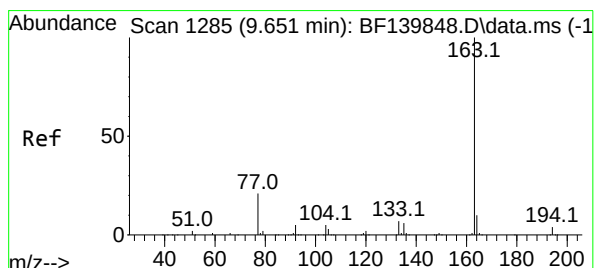
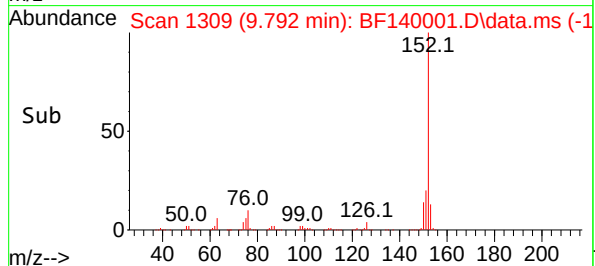
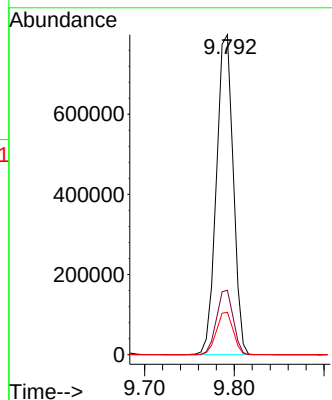
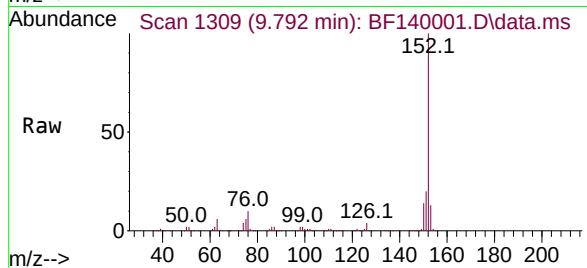
Tgt Ion:152 Resp: 1041391

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.3 10.7 16.1



#50

Dimethylphthalate

Concen: 39.563 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

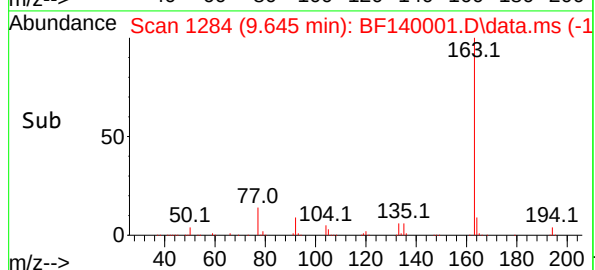
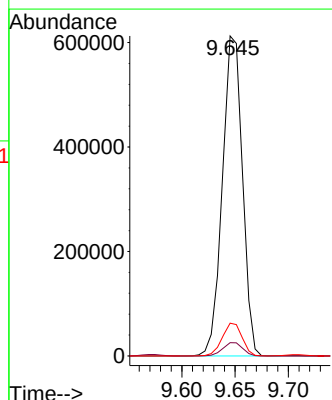
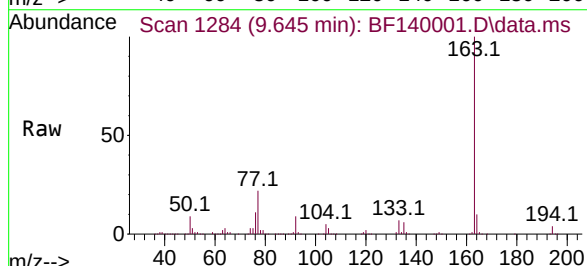
Tgt Ion:163 Resp: 801985

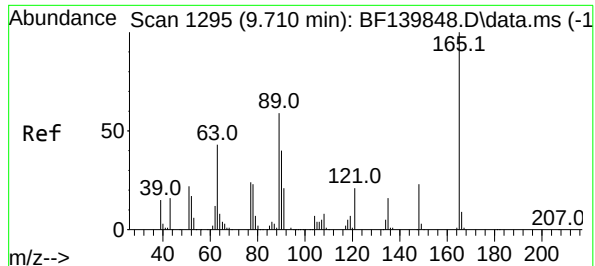
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2

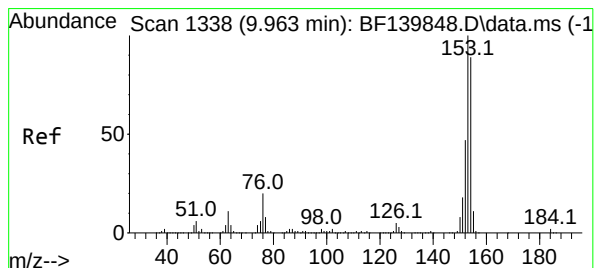
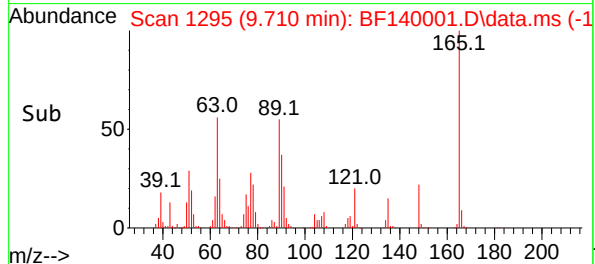
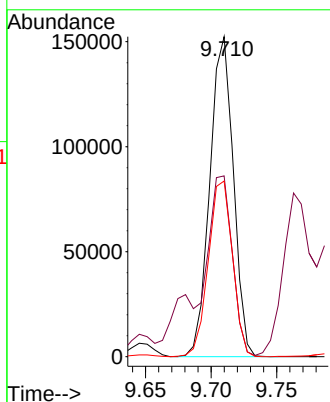
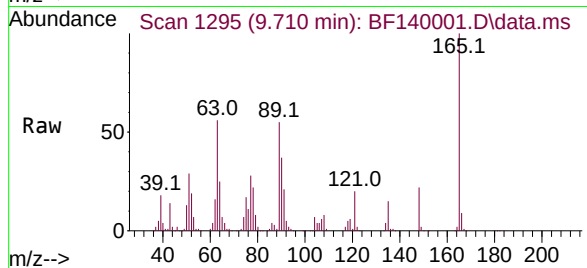




#51
2,6-Dinitrotoluene
Concen: 43.315 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

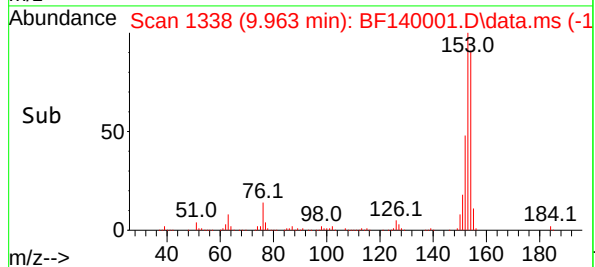
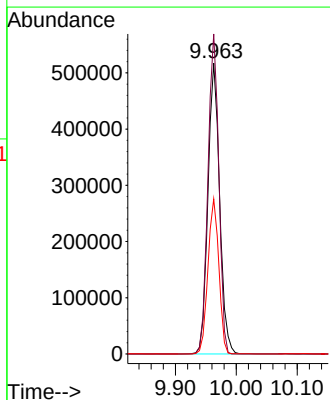
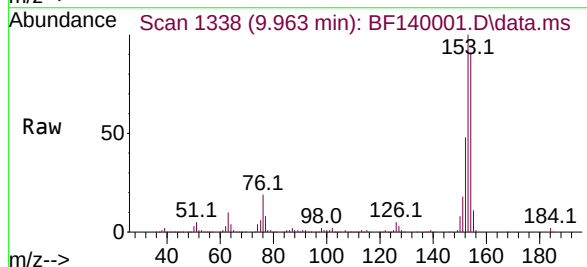
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

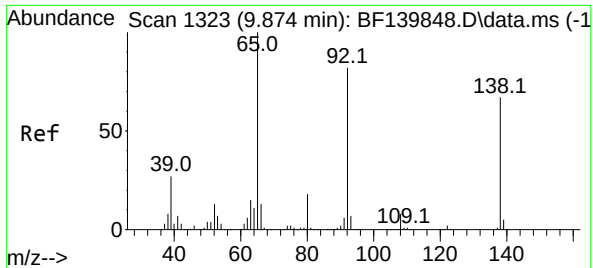
Tgt Ion:165 Resp: 190116
Ion Ratio Lower Upper
165 100
63 56.5 50.6 75.8
89 54.9 47.5 71.3



#52
Acenaphthene
Concen: 40.473 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:154 Resp: 690672
Ion Ratio Lower Upper
154 100
153 110.0 89.8 134.6
152 53.3 42.4 63.6

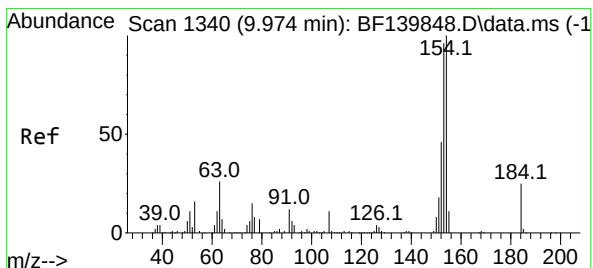
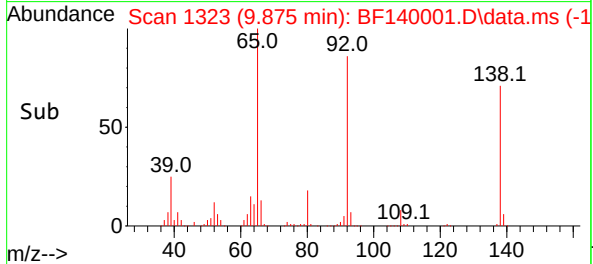
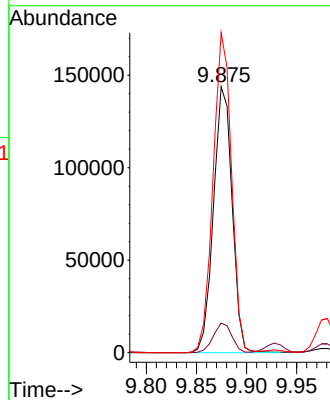
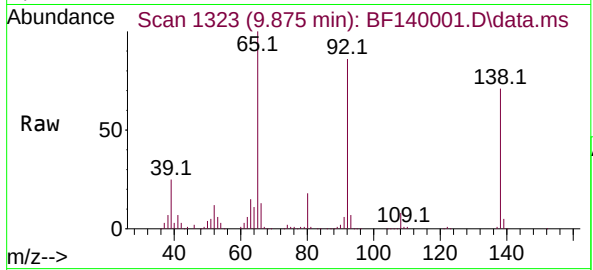




#53
3-Nitroaniline
Concen: 41.030 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

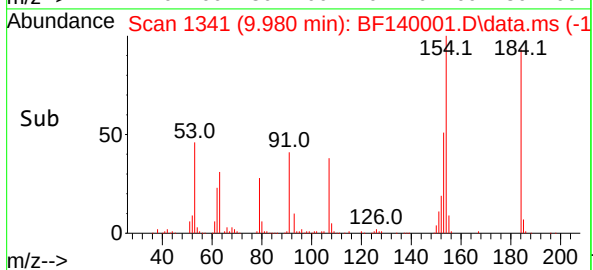
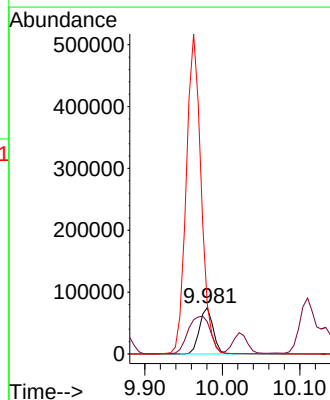
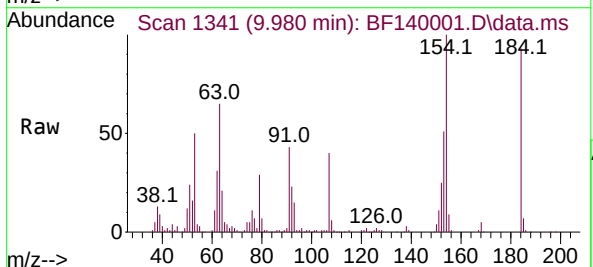
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

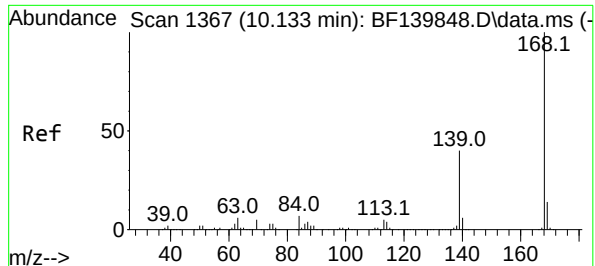
Tgt Ion:138 Resp: 185713
Ion Ratio Lower Upper
138 100
108 11.1 10.2 15.2
92 120.3 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 52.914 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:184 Resp: 92106
Ion Ratio Lower Upper
184 100
63 70.0 84.7 127.1#
154 107.9 338.2 507.2#





#55

Dibenzofuran

Concen: 39.406 ng

RT: 10.133 min Scan# 1367

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

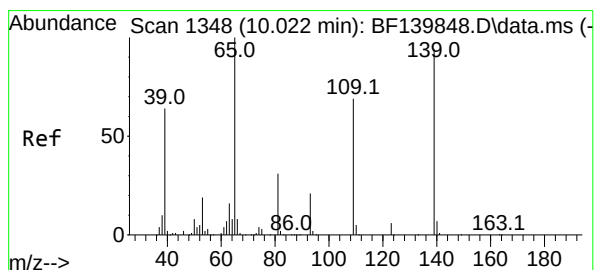
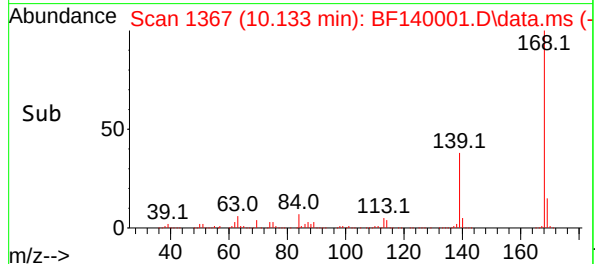
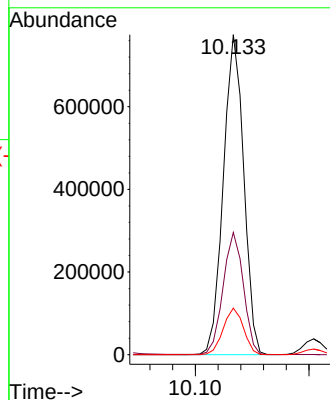
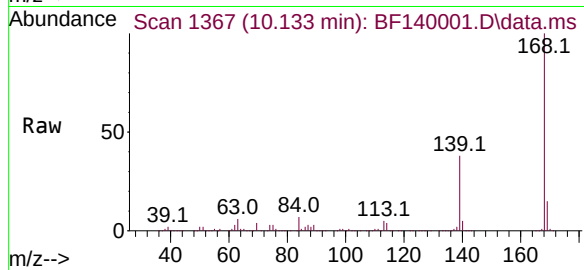
Tgt Ion:168 Resp: 964830

Ion Ratio Lower Upper

168 100

139 38.2 31.8 47.6

169 14.6 11.6 17.4



#56

4-Nitrophenol

Concen: 40.368 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

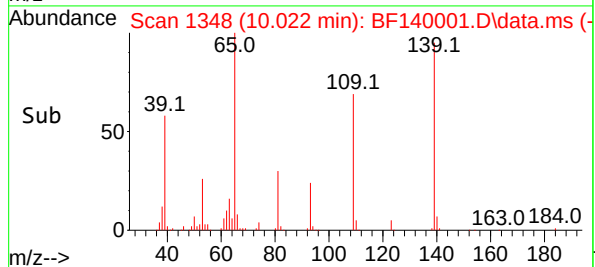
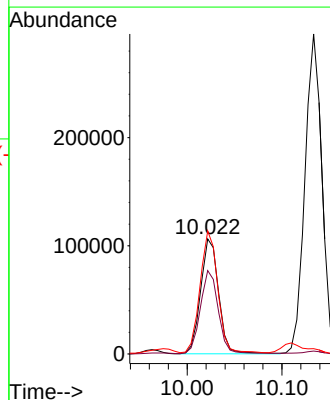
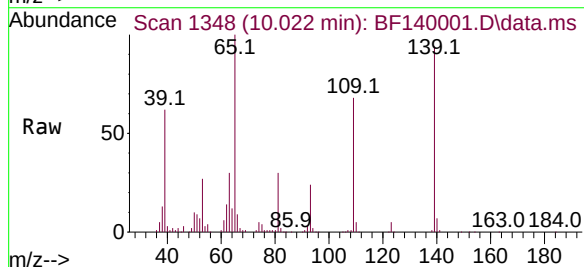
Tgt Ion:139 Resp: 140574

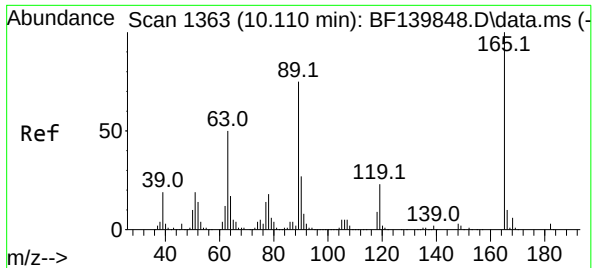
Ion Ratio Lower Upper

139 100

109 72.4 53.6 93.6

65 106.9 87.8 127.8

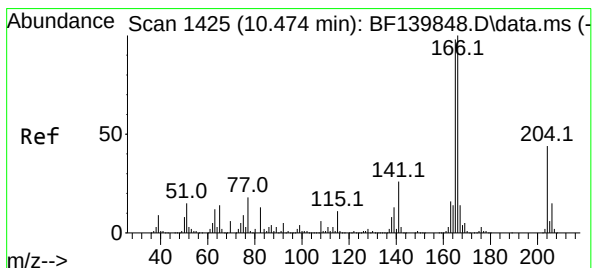
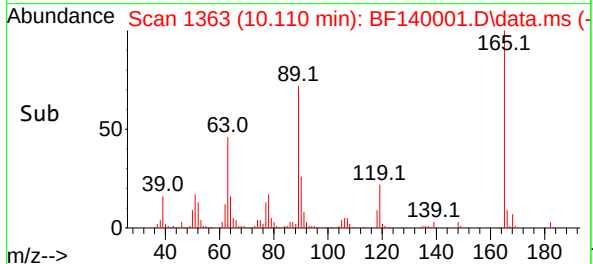
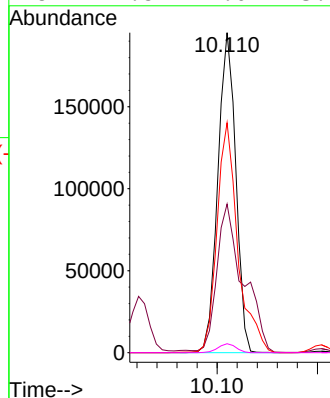
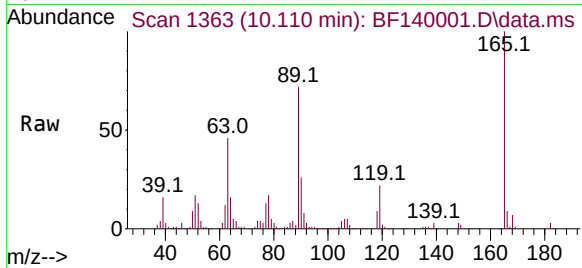




#57
2,4-Dinitrotoluene
Concen: 44.750 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

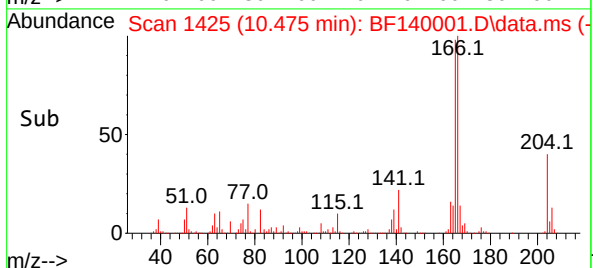
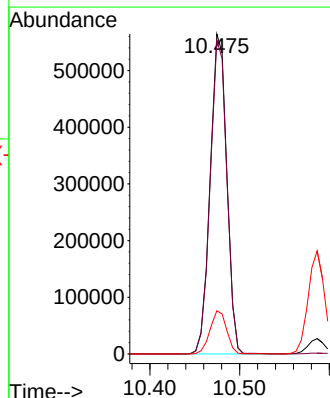
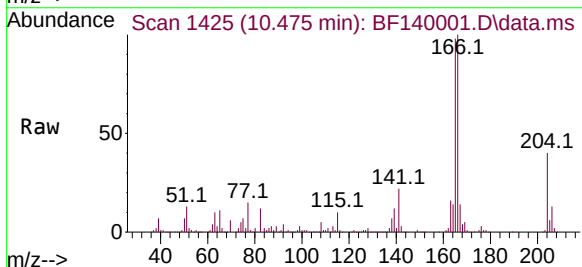
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

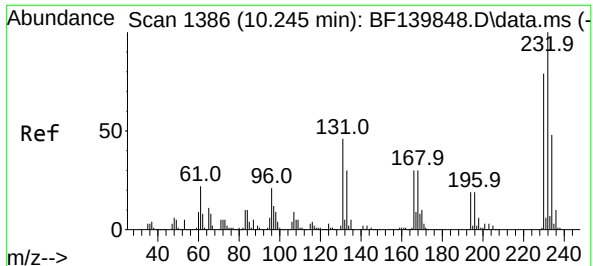
Tgt Ion:165 Resp: 241540
Ion Ratio Lower Upper
165 100
63 46.5 40.1 60.1
89 71.9 60.4 90.6
182 2.8 2.0 3.0



#58
Fluorene
Concen: 38.903 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:166 Resp: 725502
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 13.5 10.9 16.3

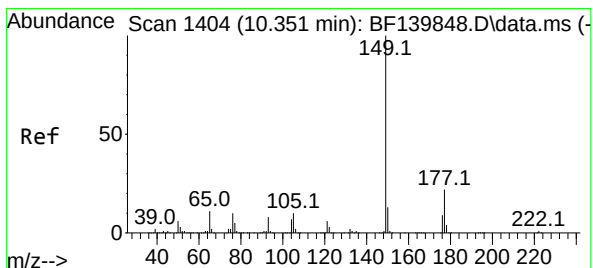
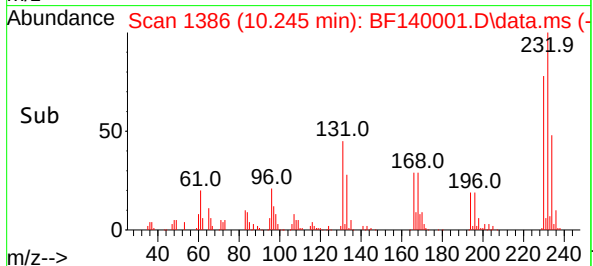
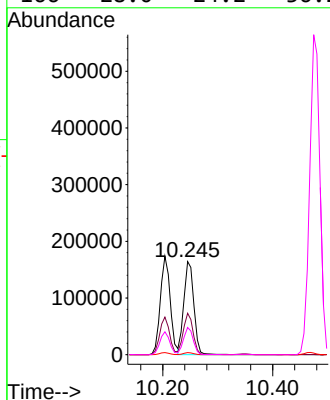
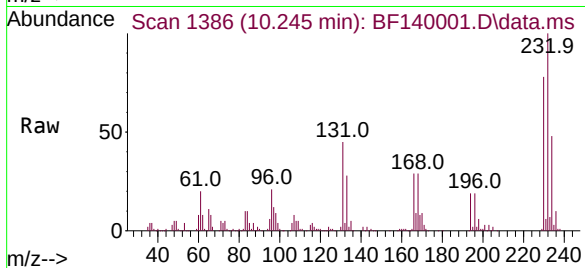




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.495 ng
RT: 10.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

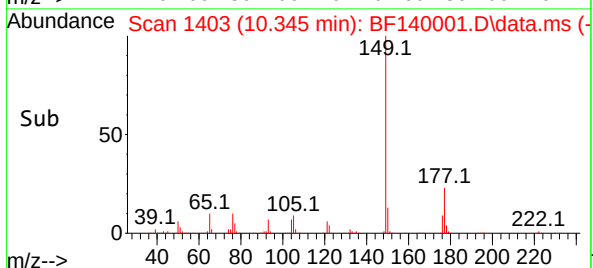
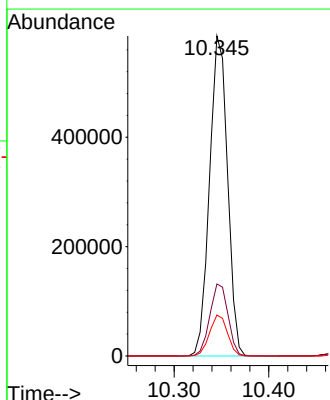
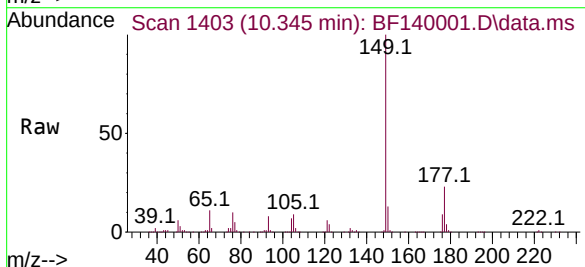
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

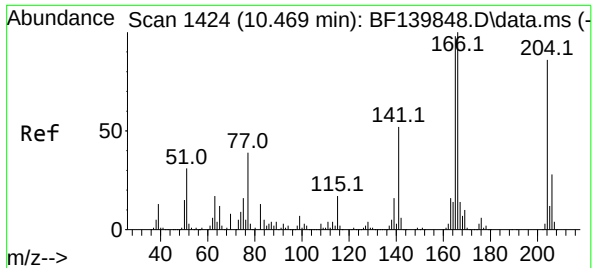
Tgt Ion:232 Resp: 208621
Ion Ratio Lower Upper
232 100
131 43.7 37.0 55.6
130 2.1 1.9 2.9
166 28.0 24.2 36.2



#60
Diethylphthalate
Concen: 38.673 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 769726
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.8 10.1 15.1

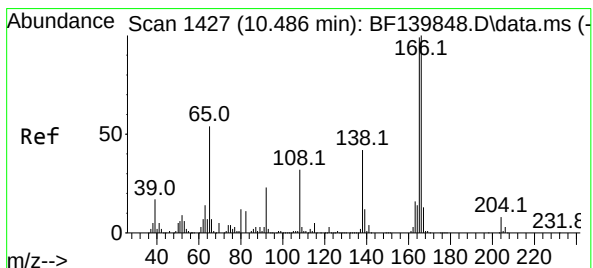
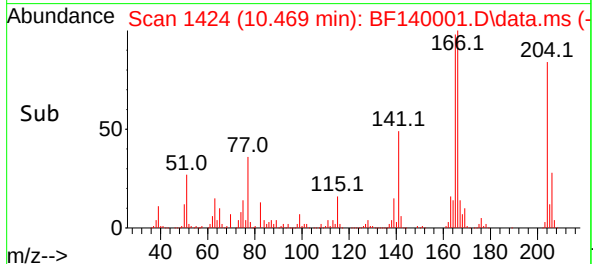
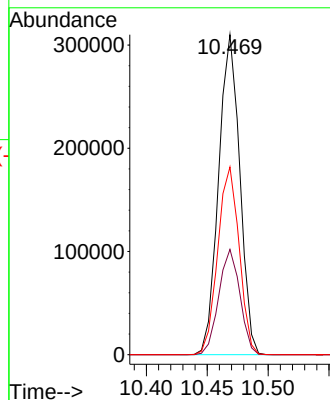
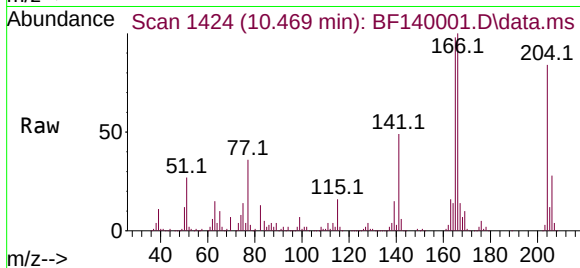




#61
4-Chlorophenyl-phenylether
Concen: 39.877 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

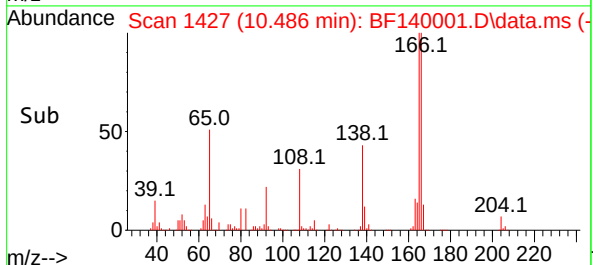
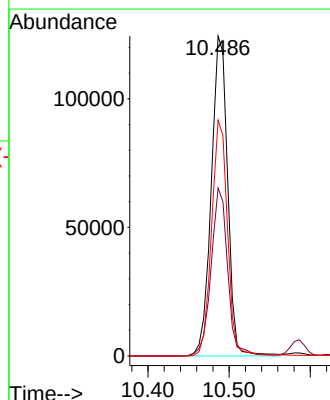
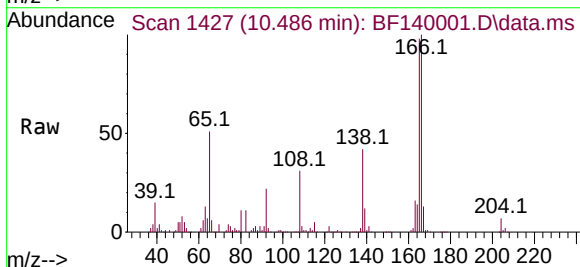
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

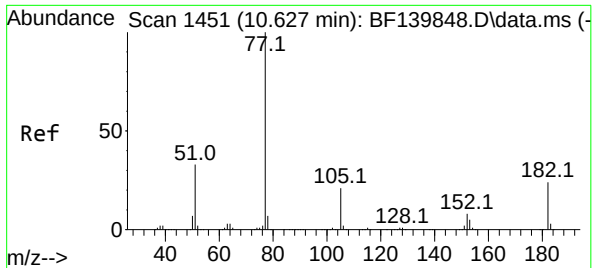
Tgt Ion:204 Resp: 375551
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 58.6 48.6 73.0



#62
4-Nitroaniline
Concen: 40.734 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:138 Resp: 174132
Ion Ratio Lower Upper
138 100
92 52.4 35.7 75.7
108 73.7 57.5 97.5

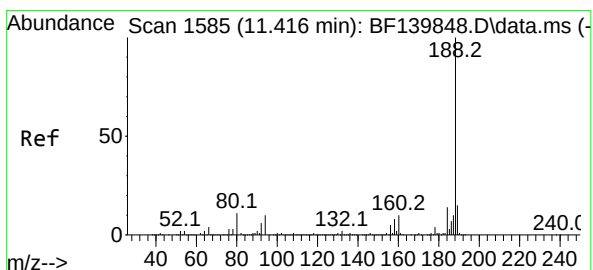
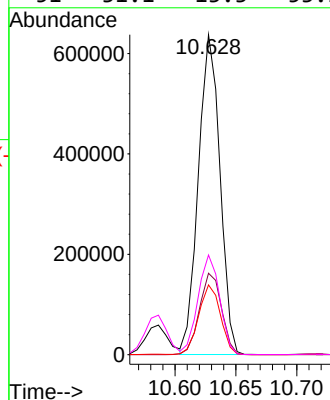
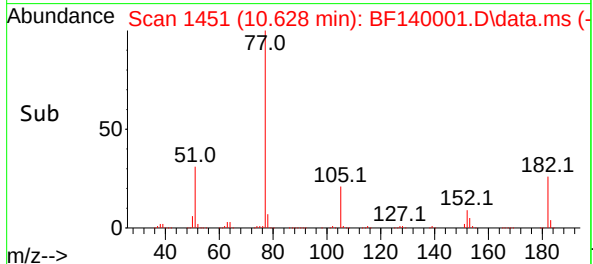
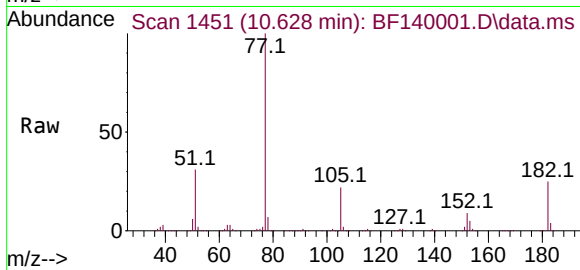




#63
Azobenzene
Concen: 37.225 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

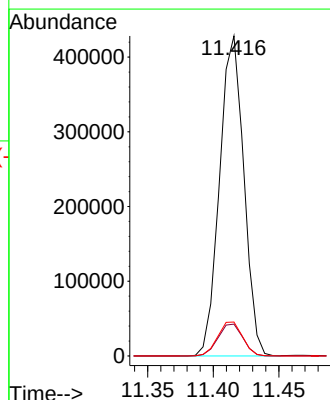
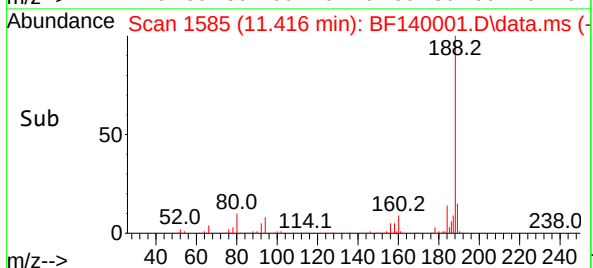
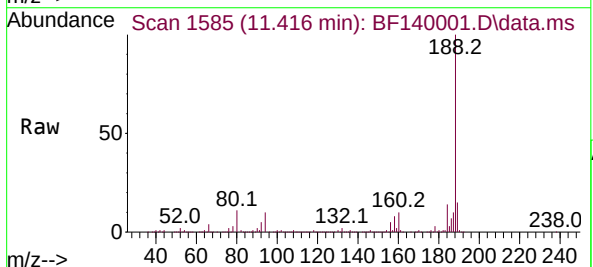
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

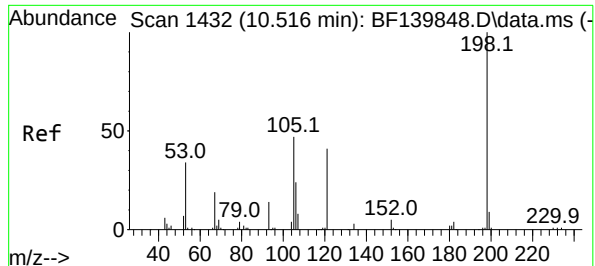
Tgt Ion: 77	Resp: 785480
Ion Ratio	Lower Upper
77 100	
182 25.4	3.3 43.3
105 21.8	1.2 41.2
51 31.1	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:188	Resp: 551060
Ion Ratio	Lower Upper
188 100	
94 10.0	7.9 11.9
80 10.6	9.0 13.4

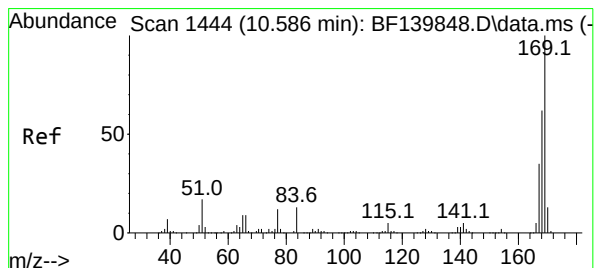
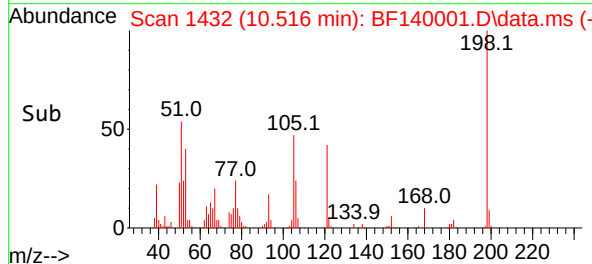
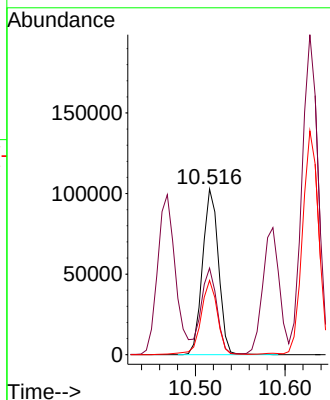
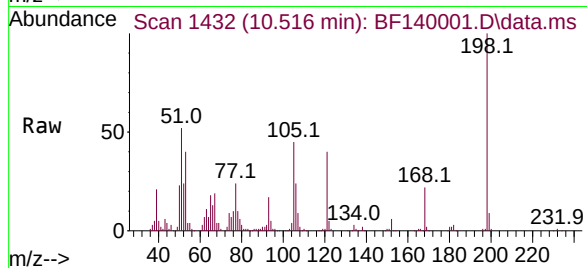




#65
4,6-Dinitro-2-methylphenol
Concen: 56.462 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

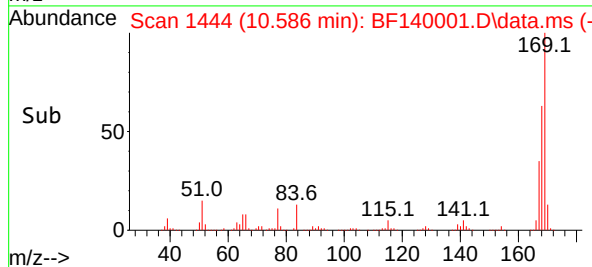
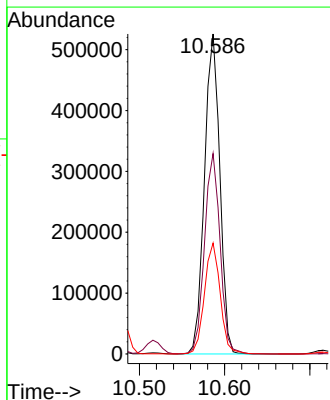
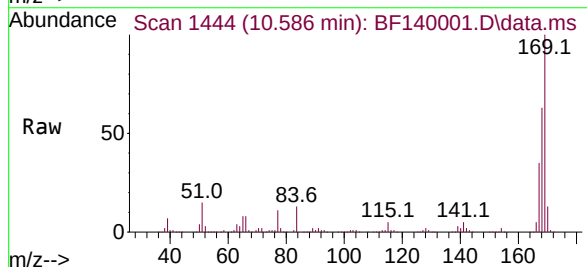
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

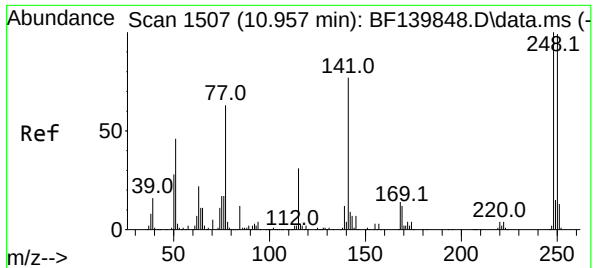
Tgt Ion:198 Resp: 126912
Ion Ratio Lower Upper
198 100
51 52.3 38.2 78.2
105 44.8 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 39.892 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:169 Resp: 657938
Ion Ratio Lower Upper
169 100
168 62.7 49.8 74.6
167 34.7 28.0 42.0

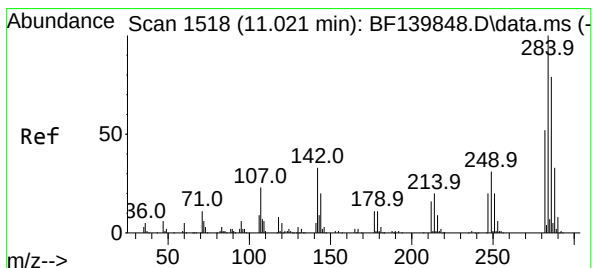
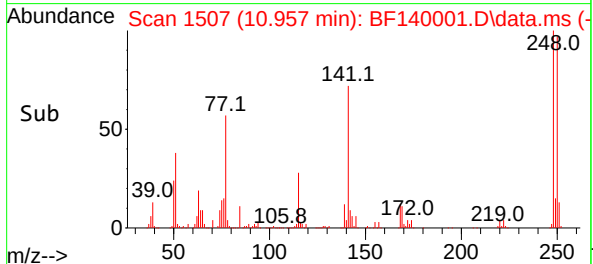
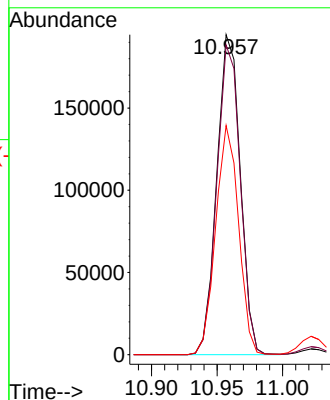
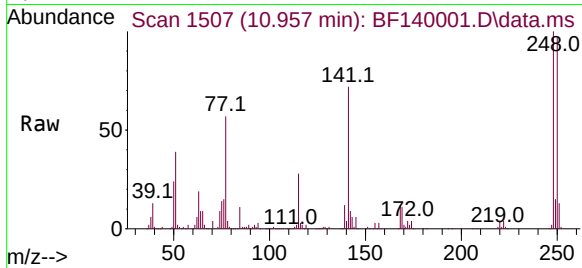




#67
4-Bromophenyl-phenylether
Concen: 42.680 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

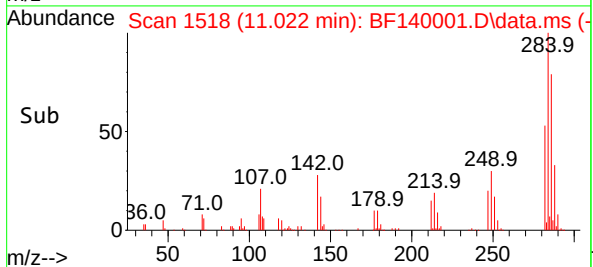
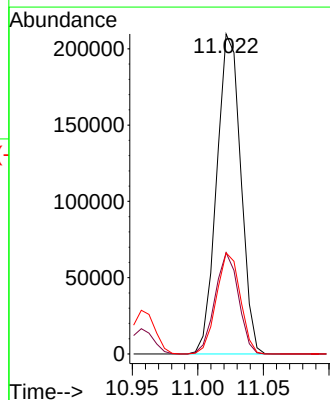
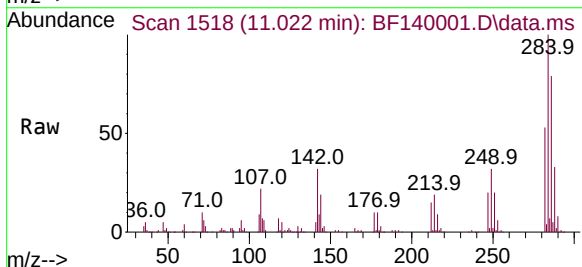
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

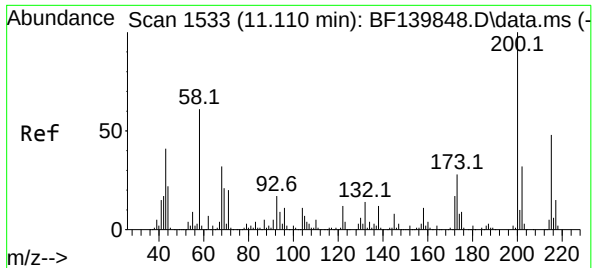
Tgt Ion:248 Resp: 242294
Ion Ratio Lower Upper
248 100
250 96.8 79.0 118.6
141 71.6 61.7 92.5



#68
Hexachlorobenzene
Concen: 41.827 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:284 Resp: 267054
Ion Ratio Lower Upper
284 100
142 31.7 26.9 40.3
249 31.6 25.3 37.9





#69

Atrazine

Concen: 40.265 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

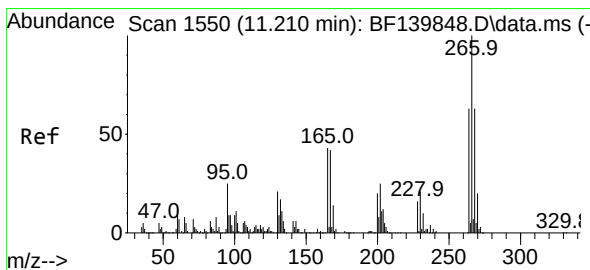
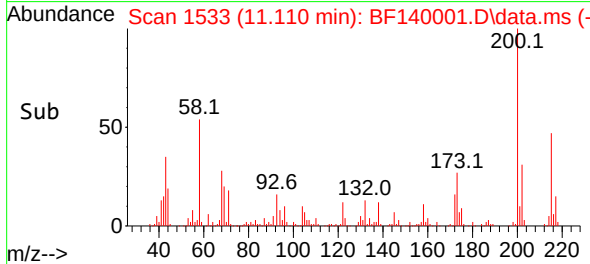
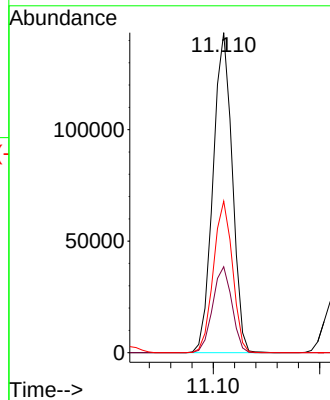
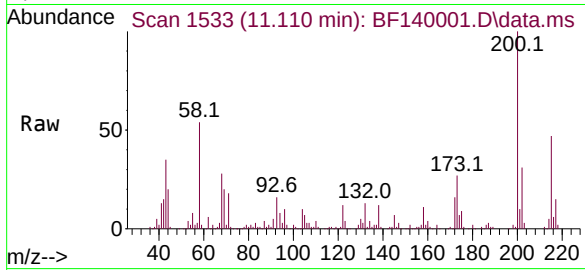
Tgt Ion:200 Resp: 179895

Ion Ratio Lower Upper

200 100

173 26.8 7.7 47.7

215 47.4 27.7 67.7



#70

Pentachlorophenol

Concen: 45.178 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

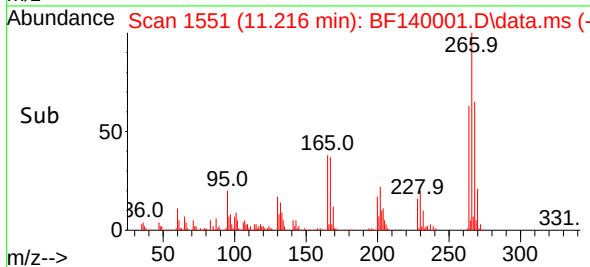
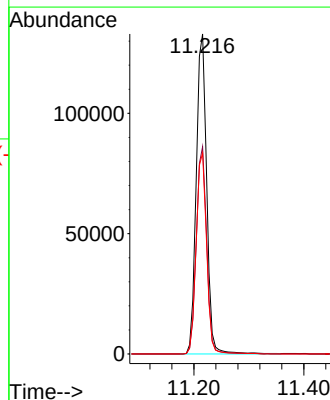
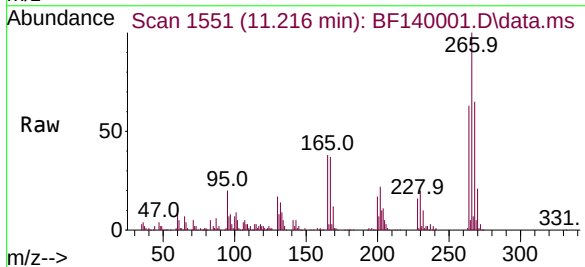
Tgt Ion:266 Resp: 175060

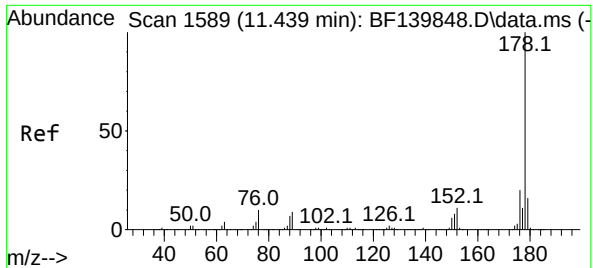
Ion Ratio Lower Upper

266 100

268 64.8 50.4 75.6

264 62.8 50.6 75.8

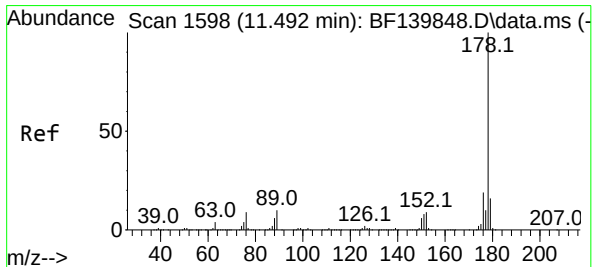
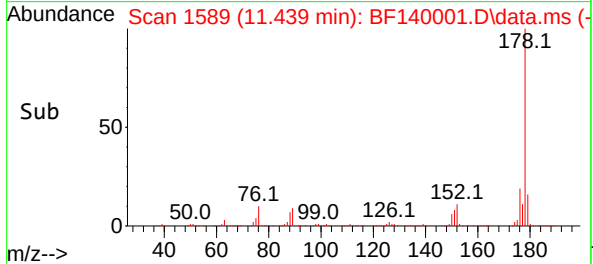
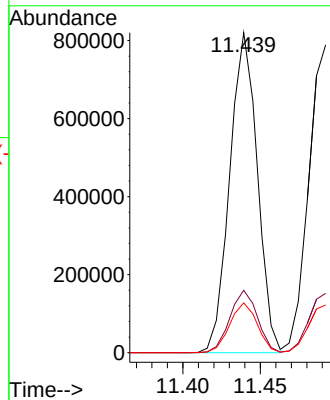
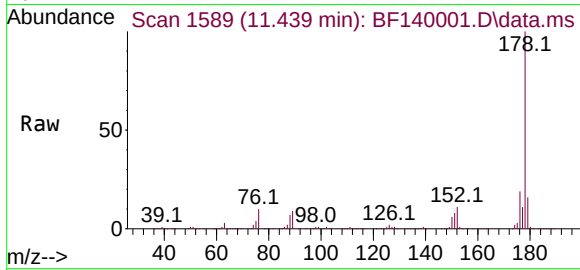




#71
Phenanthrene
Concen: 39.028 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

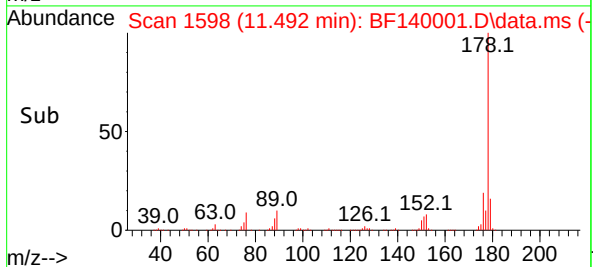
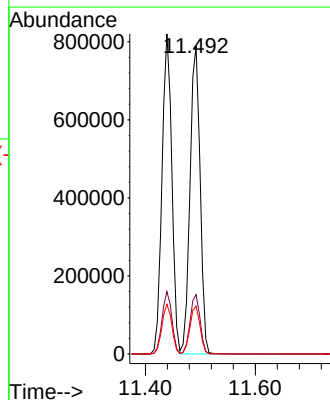
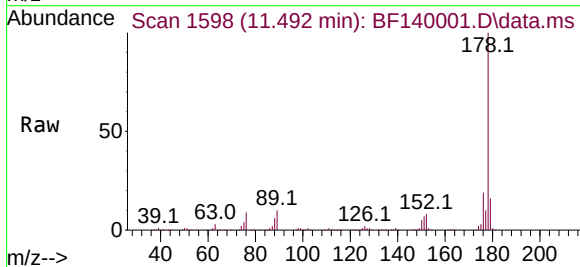
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

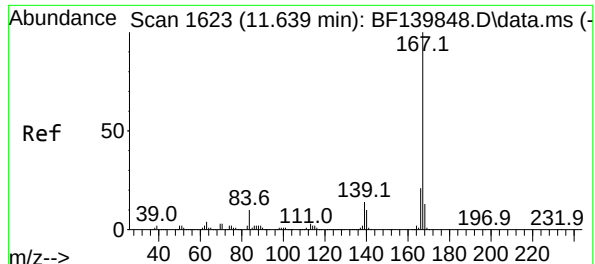
Tgt Ion:178 Resp: 1015890
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.6 12.6 18.8



#72
Anthracene
Concen: 39.491 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:178 Resp: 1002955
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.4 18.6

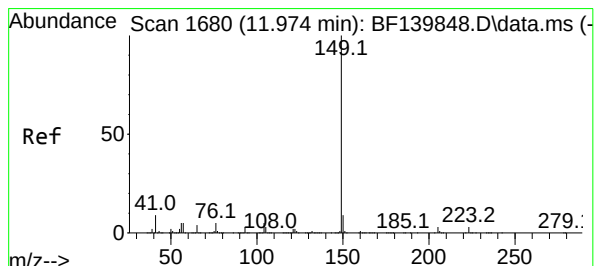
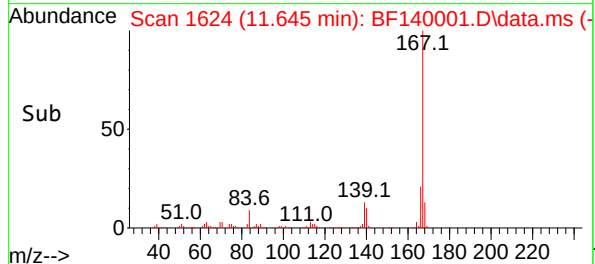
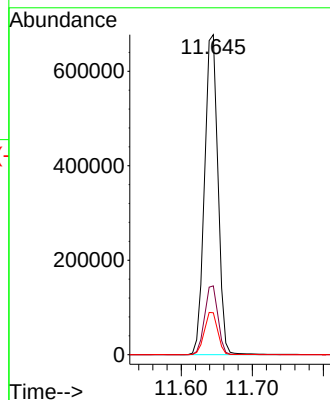
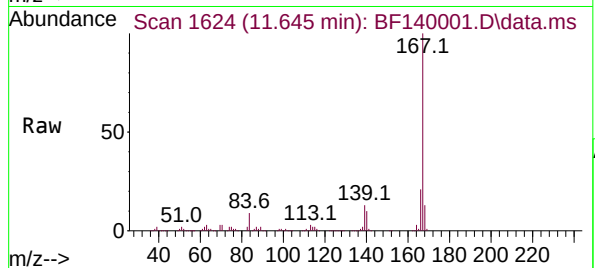




#73
Carbazole
Concen: 37.808 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

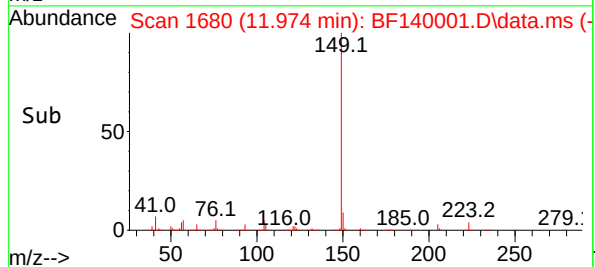
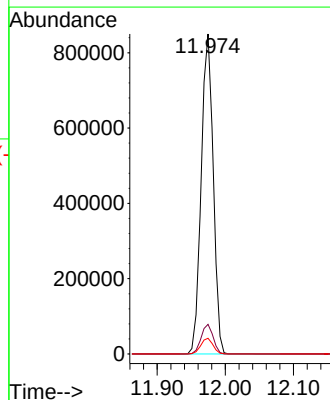
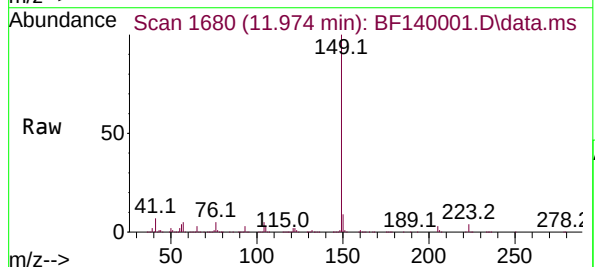
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

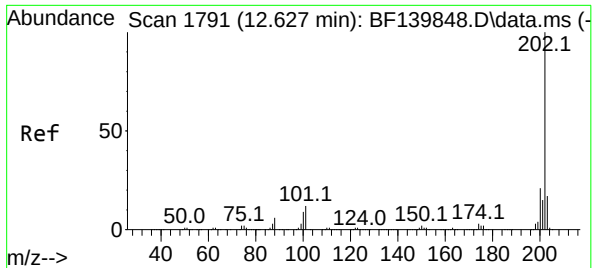
Tgt Ion:167 Resp: 893010
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 13.1 10.8 16.2



#74
Di-n-butylphthalate
Concen: 38.163 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 1041401
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1

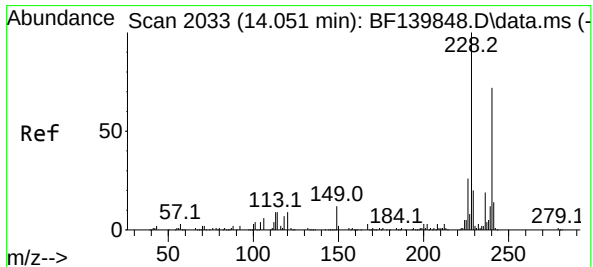
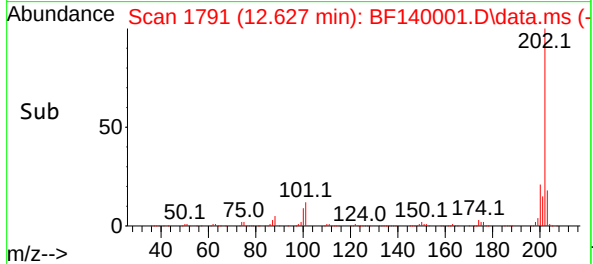
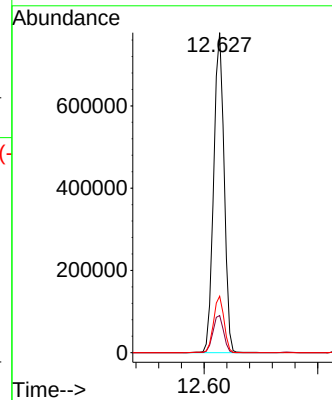
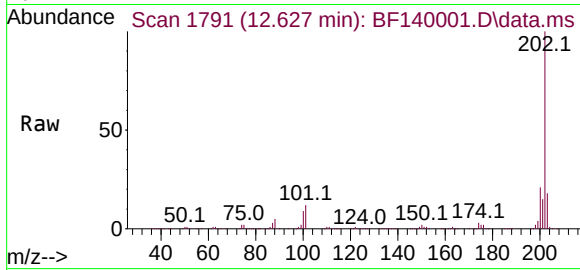




#75
Fluoranthene
Concen: 37.517 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

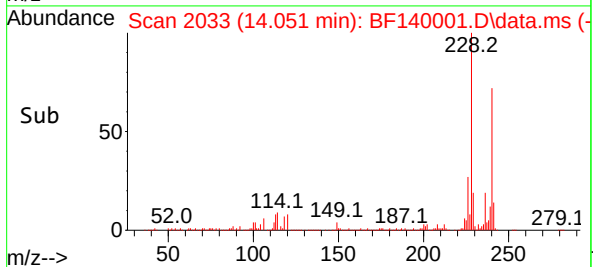
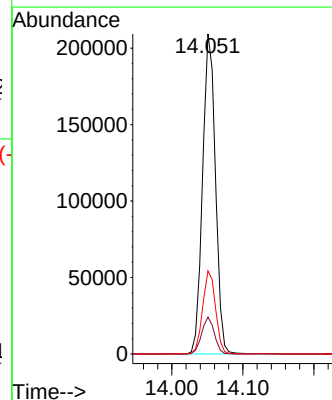
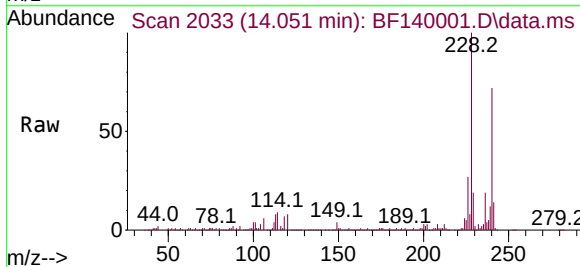
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

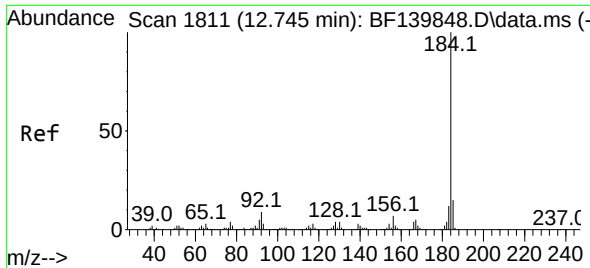
Tgt Ion:202 Resp: 987214
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:240 Resp: 264546
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.9 20.9 31.3

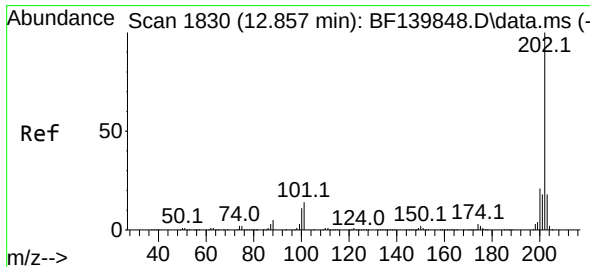
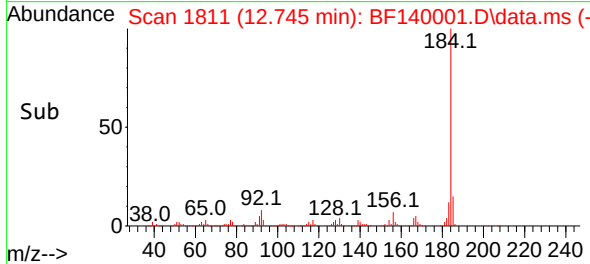
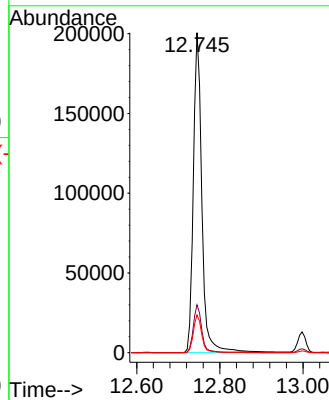
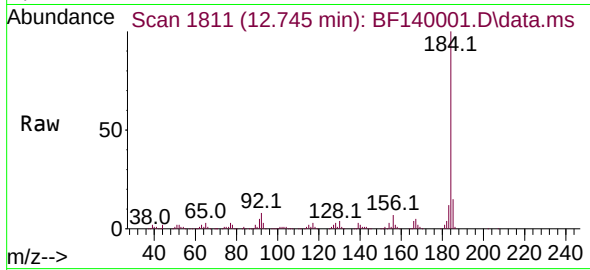




#77
Benzidine
Concen: 65.959 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

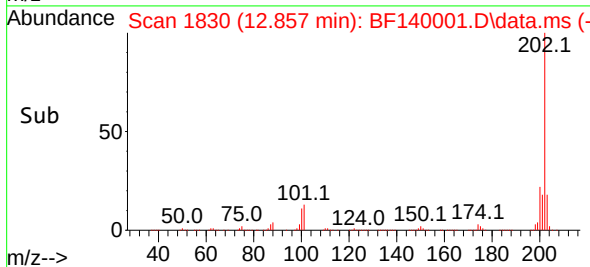
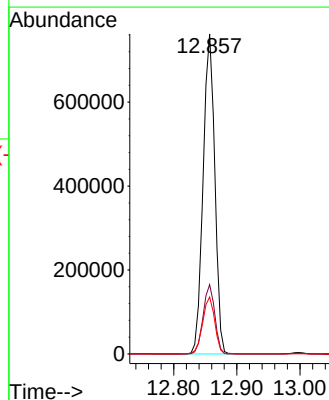
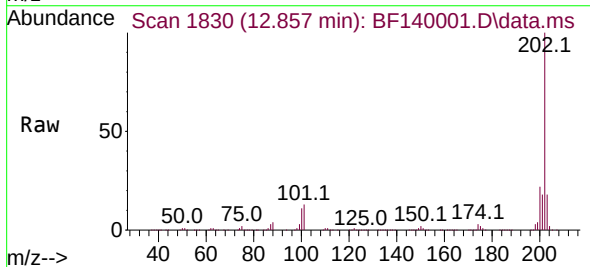
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

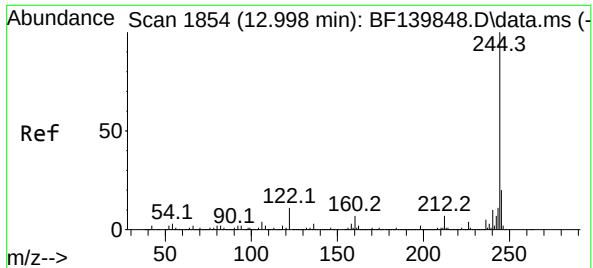
Tgt Ion:184 Resp: 286923
Ion Ratio Lower Upper
184 100
185 14.9 12.0 18.0
183 11.8 9.4 14.2



#78
Pyrene
Concen: 42.378 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:202 Resp: 981324
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 85.096 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

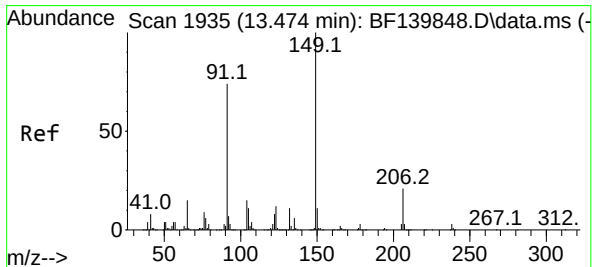
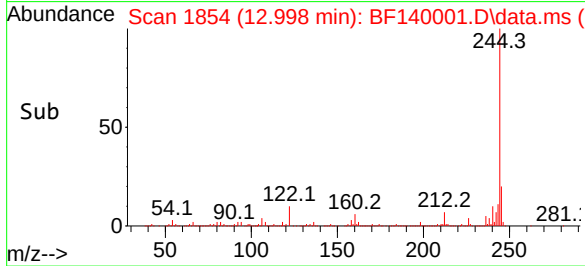
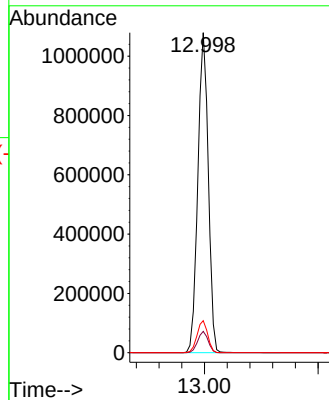
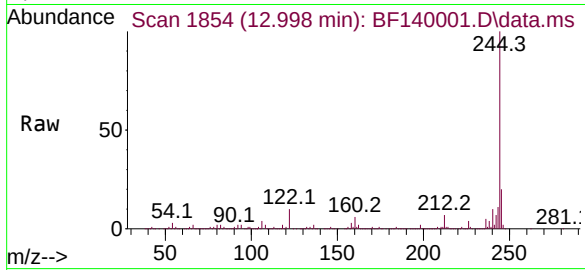
Tgt Ion:244 Resp: 1381525

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.0 8.6 13.0



#80

Butylbenzylphthalate

Concen: 41.445 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

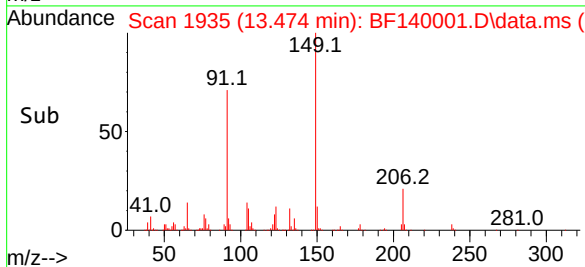
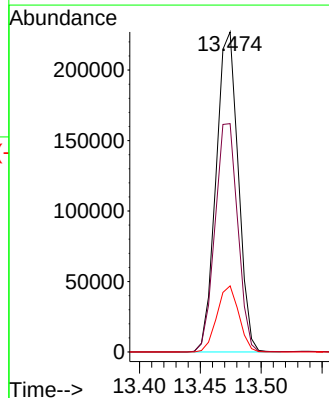
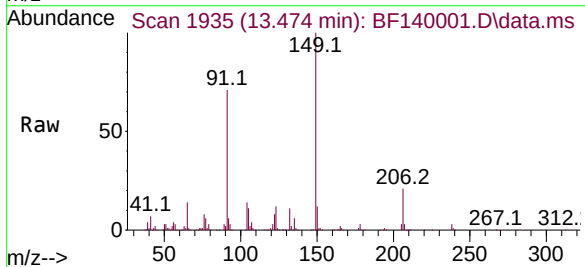
Tgt Ion:149 Resp: 287725

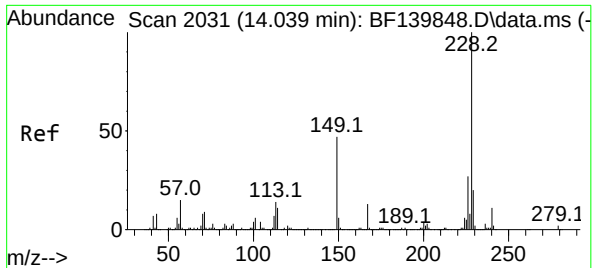
Ion Ratio Lower Upper

149 100

91 71.4 59.4 89.2

206 20.7 16.4 24.6

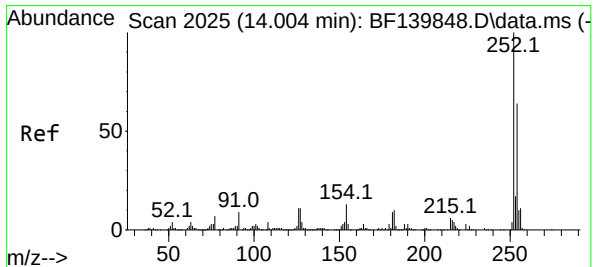
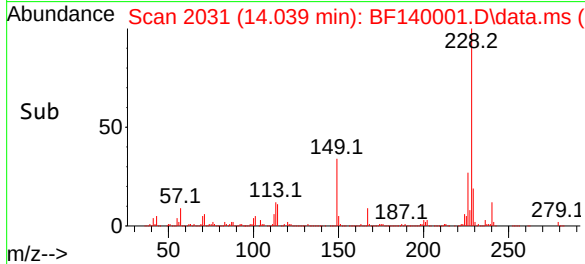
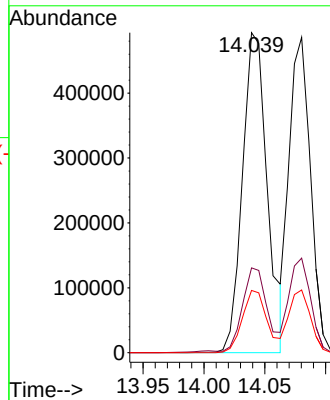
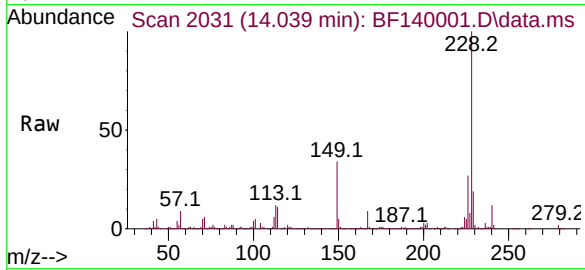




#81
Benzo(a)anthracene
Concen: 40.605 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

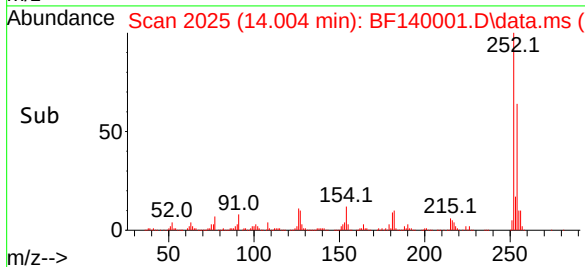
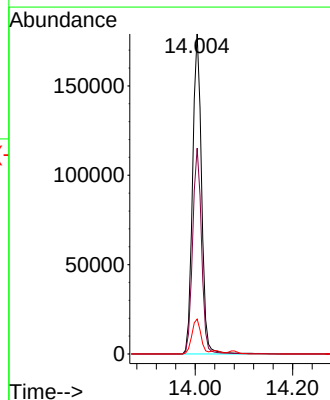
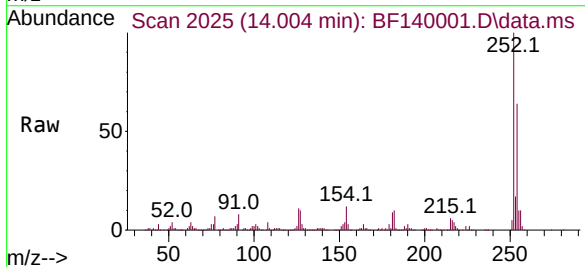
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

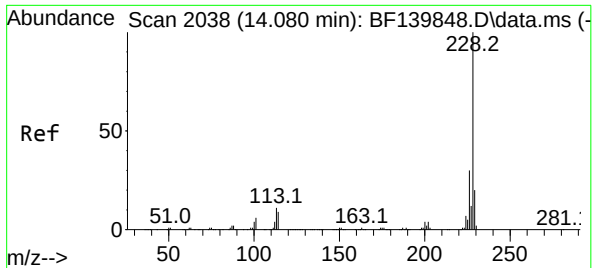
Tgt Ion:228 Resp: 699263
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 19.4 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 45.786 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:252 Resp: 229894
Ion Ratio Lower Upper
252 100
254 64.3 50.8 76.2
126 10.9 8.9 13.3





#83

Chrysene

Concen: 37.681 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

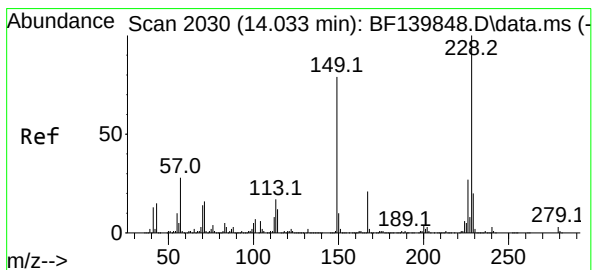
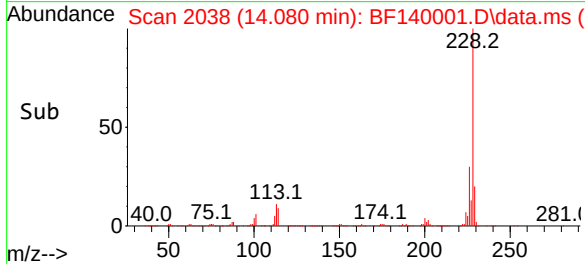
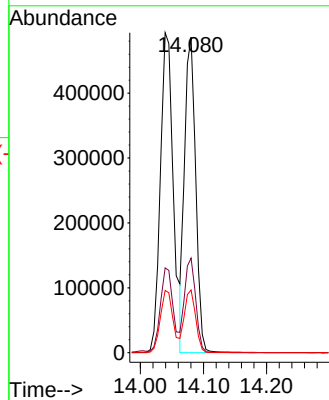
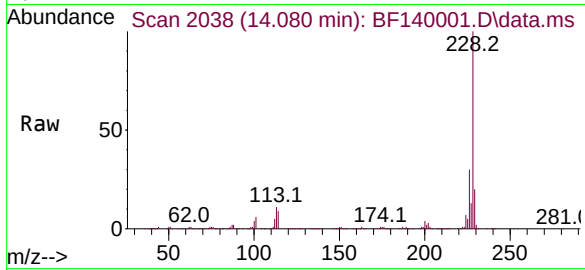
Tgt Ion:228 Resp: 594964

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 19.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.582 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

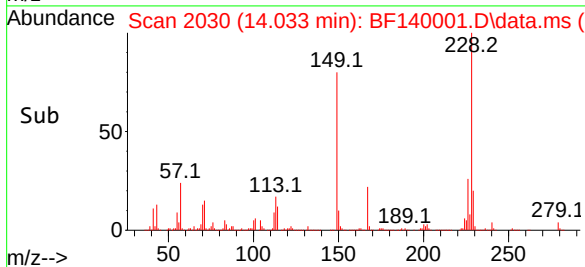
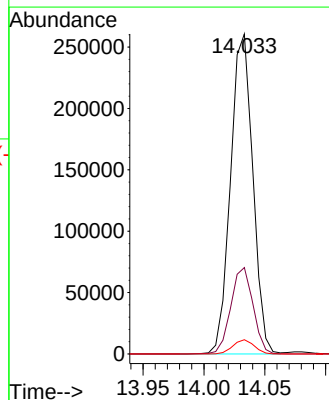
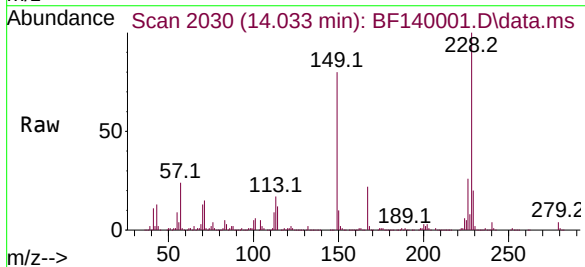
Tgt Ion:149 Resp: 331672

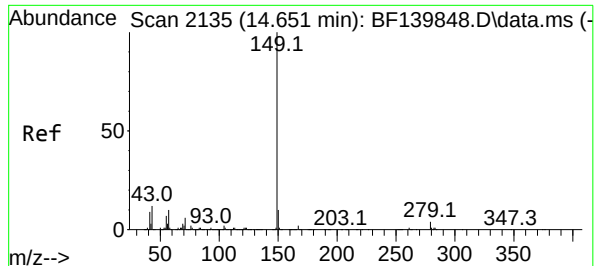
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 4.5 3.0 4.4#

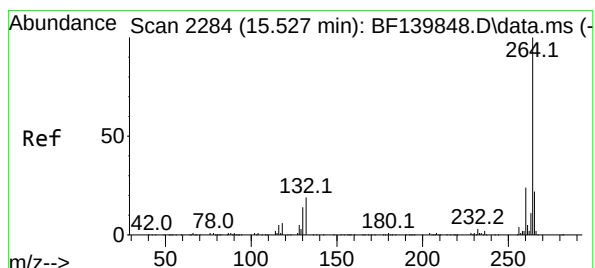
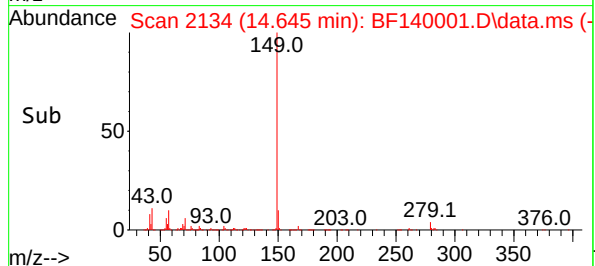
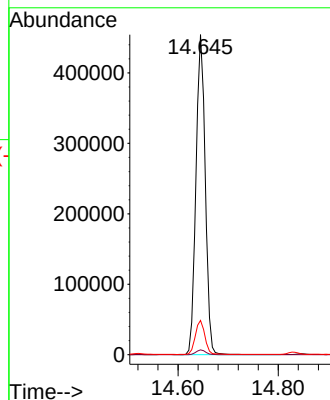
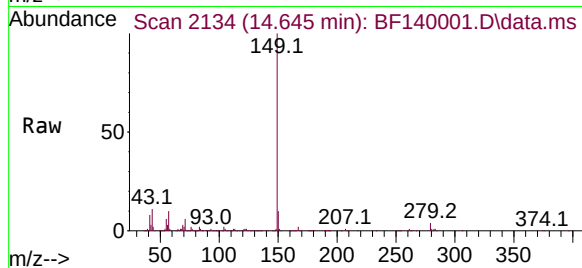




#85
Di-n-octyl phthalate
Concen: 41.159 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

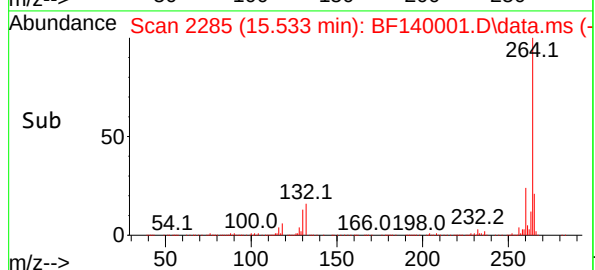
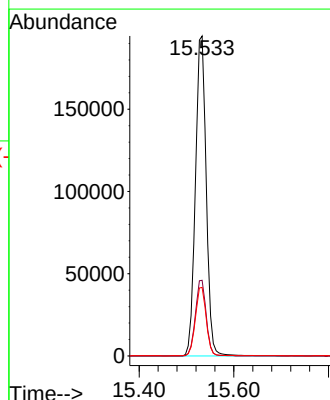
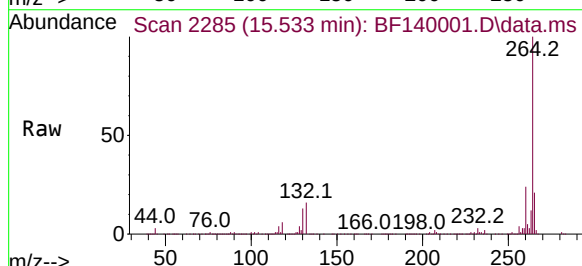
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

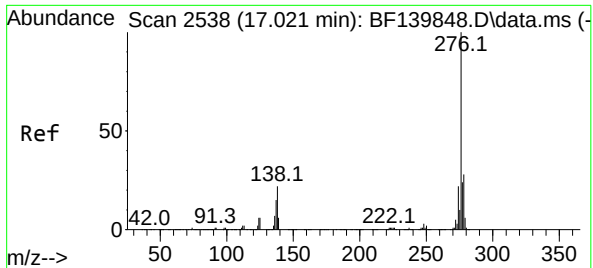
Tgt Ion:149 Resp: 583105
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.0 9.8 14.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:264 Resp: 308388
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.090 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

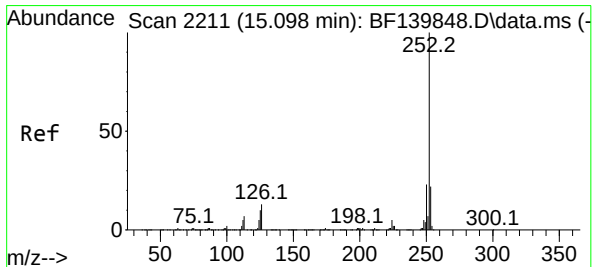
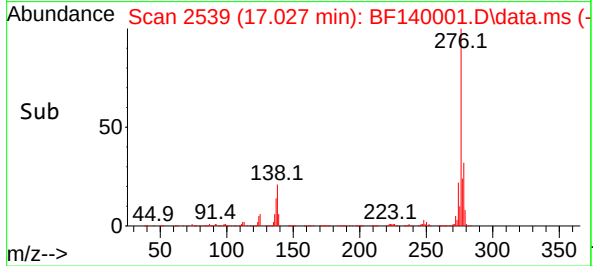
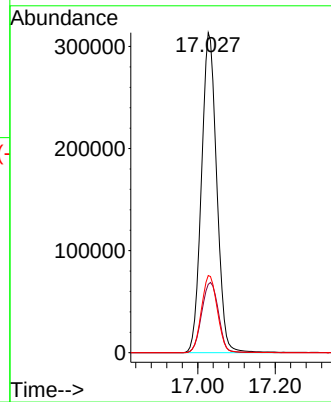
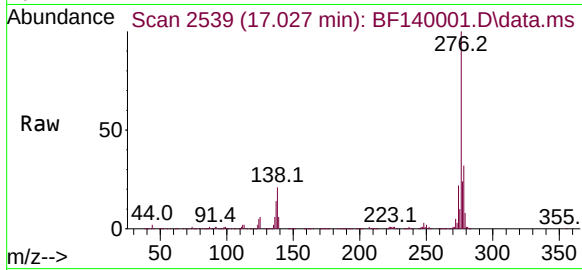
Tgt Ion:276 Resp: 854880

Ion Ratio Lower Upper

276 100

138 24.0 20.4 30.6

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 35.677 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

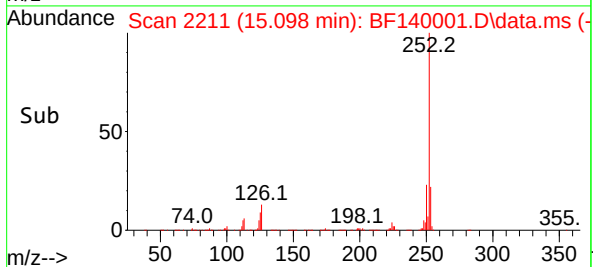
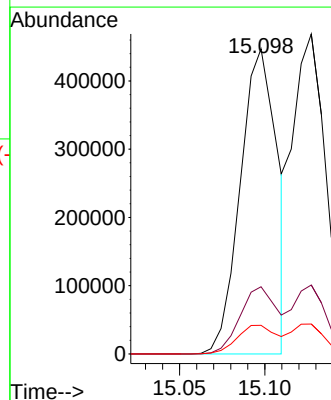
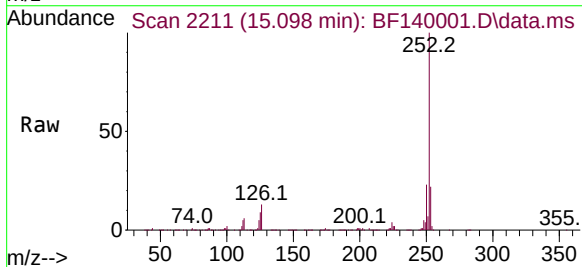
Tgt Ion:252 Resp: 670218

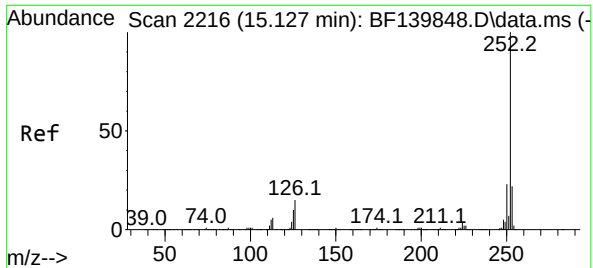
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.299 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

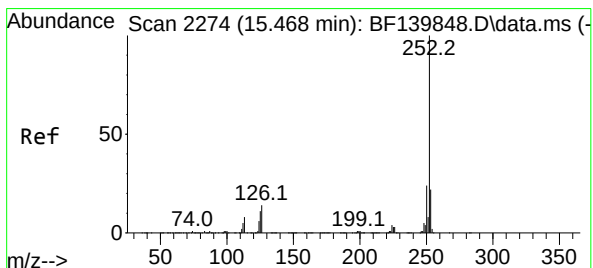
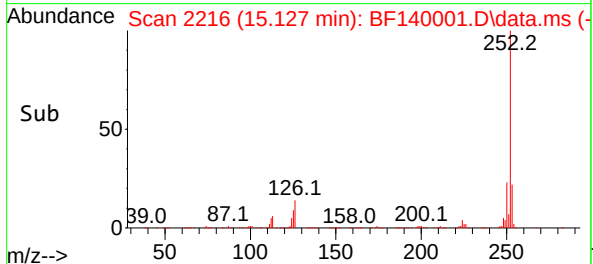
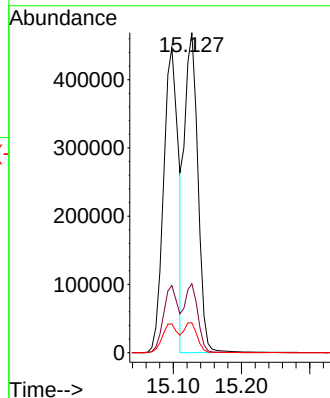
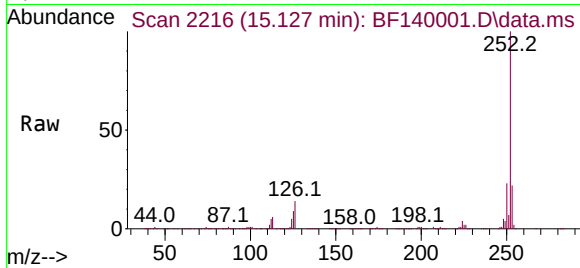
Tgt Ion:252 Resp: 636690

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 9.4 7.9 11.9



#90

Benzo(a)pyrene

Concen: 39.262 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

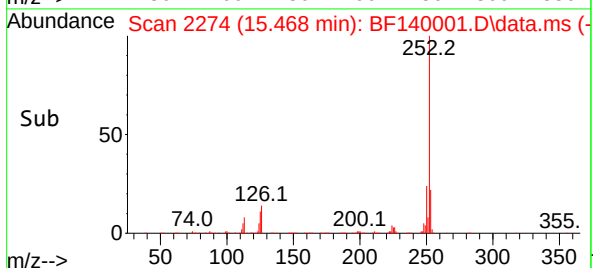
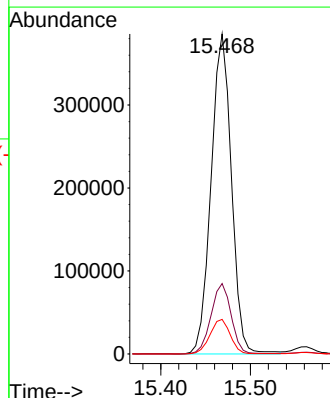
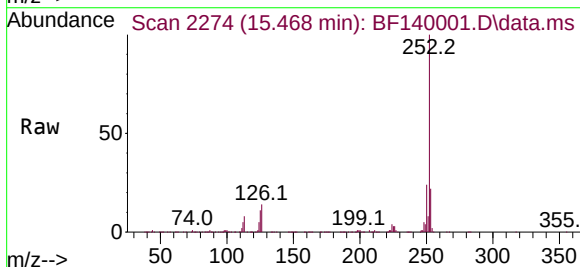
Tgt Ion:252 Resp: 606890

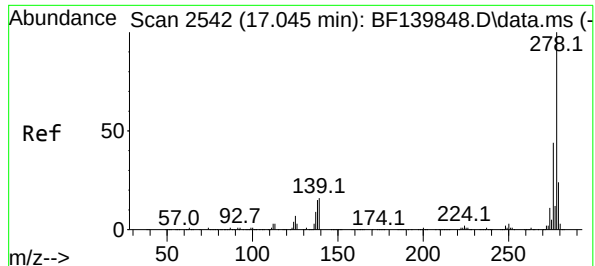
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 43.023 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

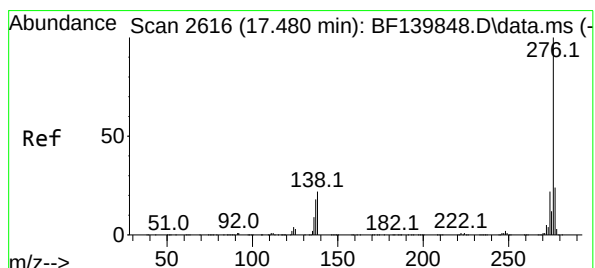
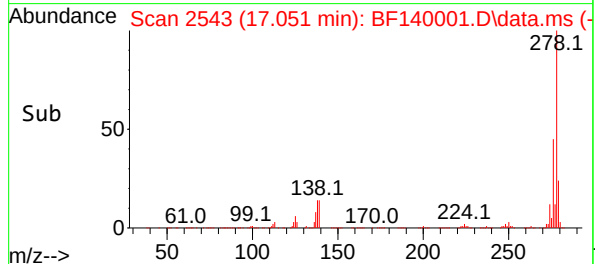
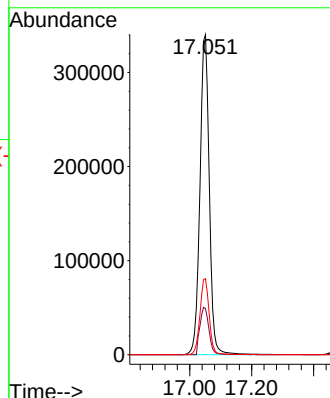
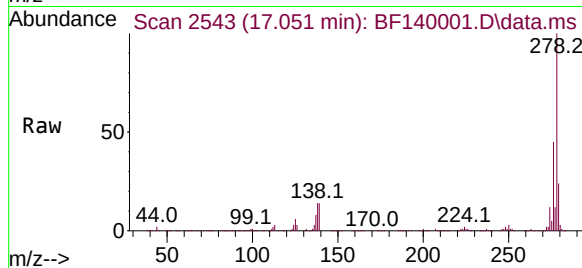
Tgt Ion:278 Resp: 712057

Ion Ratio Lower Upper

278 100

139 14.4 13.1 19.7

279 23.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 43.554 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF140001.D

Acq: 24 Oct 2024 15:16

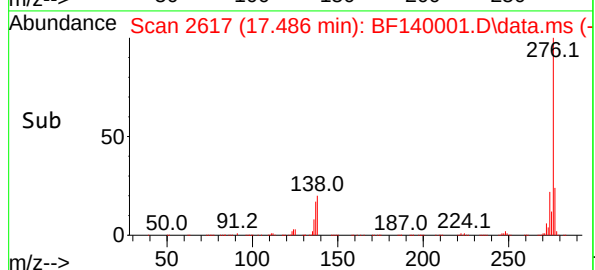
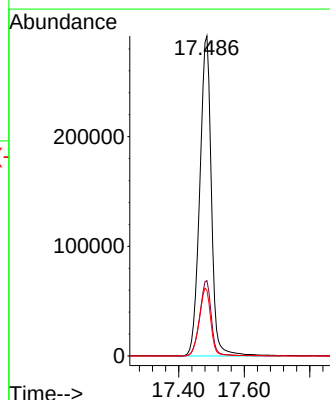
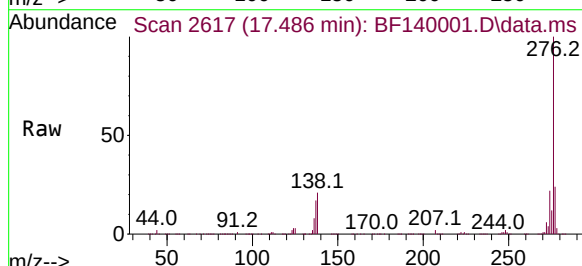
Tgt Ion:276 Resp: 720021

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140001.D
 Acq On : 24 Oct 2024 15:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	89	0.00
2	1,4-Dioxane	0.596	0.573	3.9	87	-0.02
3	Pyridine	1.476	1.408	4.6	84	-0.01
4	n-Nitrosodimethylamine	0.793	0.688	13.2	76	-0.01
5 S	2-Fluorophenol	1.278	1.208	5.5	84	0.00
6	Aniline	1.542	1.435	6.9	81	0.00
7 S	Phenol-d6	1.655	1.521	8.1	83	0.00
8	2-Chlorophenol	1.306	1.259	3.6	86	0.00
9	Benzaldehyde	0.931	0.931	0.0	88	0.00
10 C	Phenol	1.706	1.601	6.2	84	0.00
11	bis(2-Chloroethyl)ether	1.319	1.259	4.5	87	0.00
12	1,3-Dichlorobenzene	1.499	1.462	2.5	87	0.00
13 C	1,4-Dichlorobenzene	1.498	1.466	2.1	88	0.00
14	1,2-Dichlorobenzene	1.398	1.368	2.1	89	0.00
15	Benzyl Alcohol	1.214	1.131	6.8	83	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	1.948	13.3	77	0.00
17	2-Methylphenol	1.114	1.047	6.0	84	0.00
18	Hexachloroethane	0.534	0.526	1.5	87	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.889	11.5	81	0.00
20	3+4-Methylphenols	1.424	1.322	7.2	83	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.490	0.472	3.7	84	0.00
23 S	Nitrobenzene-d5	0.361	0.374	-3.6	87	0.00
24	Nitrobenzene	0.396	0.397	-0.3	85	0.00
25	Isophorone	0.685	0.655	4.4	83	0.00
26 C	2-Nitrophenol	0.149	0.178	-19.5	98	0.00
27	2,4-Dimethylphenol	0.249	0.238	4.4	83	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.407	1.9	85	0.00
29 C	2,4-Dichlorophenol	0.283	0.285	-0.7	87	0.00
30	1,2,4-Trichlorobenzene	0.314	0.319	-1.6	87	0.00
31	Naphthalene	1.031	1.015	1.6	86	0.00
32	Benzoic acid	0.217	0.241	-11.1	95	0.00
33	4-Chloroaniline	0.352	0.336	4.5	82	0.00
34 C	Hexachlorobutadiene	0.197	0.203	-3.0	89	0.00
35	Caprolactam	0.090	0.089	1.1	83	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.306	2.5	84	0.00
37	2-Methylnaphthalene	0.632	0.623	1.4	86	0.00
38	1-Methylnaphthalene	0.620	0.608	1.9	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.560	-3.7	89	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.199	-5.9	86	0.00
42 S	2,4,6-Tribromophenol	0.187	0.207	-10.7	95	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.387	-1.3	86	0.00
44	2,4,5-Trichlorophenol	0.394	0.415	-5.3	89	0.00
45 S	2-Fluorobiphenyl	1.210	1.197	1.1	88	0.00
46	1,1'-Biphenyl	1.392	1.393	-0.1	87	0.00
47	2-Chloronaphthalene	1.121	1.127	-0.5	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140001.D
 Acq On : 24 Oct 2024 15:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	0.343	0.369	-7.6	87	0.00
49	Acenaphthylene	1.621	1.600	1.3	85	0.00
50	Dimethylphthalate	1.246	1.232	1.1	85	0.00
51	2,6-Dinitrotoluene	0.270	0.292	-8.1	89	0.00
52 C	Acenaphthene	1.049	1.061	-1.1	87	0.00
53	3-Nitroaniline	0.278	0.285	-2.5	84	0.00
54 P	2,4-Dinitrophenol	0.093	0.142	-52.7#	120	0.00
55	Dibenzofuran	1.505	1.482	1.5	85	0.00
56 P	4-Nitrophenol	0.214	0.216	-0.9	80	0.00
57	2,4-Dinitrotoluene	0.332	0.371	-11.7	89	0.00
58	Fluorene	1.146	1.115	2.7	86	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.321	-3.9	89	0.00
60	Diethylphthalate	1.223	1.183	3.3	83	0.00
61	4-Chlorophenyl-phenylether	0.579	0.577	0.3	87	0.00
62	4-Nitroaniline	0.263	0.268	-1.9	83	0.00
63	Azobenzene	1.297	1.207	6.9	79	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.115	-40.2#	110	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.597	0.3	83	0.00
67	4-Bromophenyl-phenylether	0.206	0.220	-6.8	90	0.00
68	Hexachlorobenzene	0.232	0.242	-4.3	87	0.00
69	Atrazine	0.162	0.163	-0.6	78	0.00
70 C	Pentachlorophenol	0.141	0.159	-12.8	87	0.00
71	Phenanthrene	0.945	0.922	2.4	82	0.00
72	Anthracene	0.922	0.910	1.3	83	0.00
73	Carbazole	0.857	0.810	5.5	80	0.00
74	Di-n-butylphthalate	0.990	0.945	4.5	77	0.00
75 C	Fluoranthene	0.955	0.896	6.2	79	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77	Benzidine	0.329	0.542	-64.7#	113	0.00
78	Pyrene	1.751	1.855	-5.9	79	0.00
79 S	Terphenyl-d14	1.227	1.306	-6.4	80	0.00
80	Butylbenzylphthalate	0.525	0.544	-3.6	75	0.00
81	Benzo(a)anthracene	1.302	1.322	-1.5	76	0.00
82	3,3'-Dichlorobenzidine	0.380	0.435	-14.5	86	0.00
83	Chrysene	1.194	1.125	5.8	74	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.627	-6.5	77	0.00
85 c	Di-n-octyl phthalate	1.071	1.102	-2.9	74	0.00
86 I	Perylene-d12	1.000	1.000	0.0	84	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.386	-7.7	87	0.00
88	Benzo(b)fluoranthene	1.218	1.087	10.8	77	0.00
89	Benzo(k)fluoranthene	1.051	1.032	1.8	82	0.00
90 C	Benzo(a)pyrene	1.002	0.984	1.8	81	0.00
91	Dibenzo(a,h)anthracene	1.073	1.154	-7.5	87	0.00
92	Benzo(g,h,i)perylene	1.072	1.167	-8.9	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 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\BF102424\
 Data File : BF140001.D
 Acq On : 24 Oct 2024 15:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	89	0.00
2	1,4-Dioxane	40.000	38.479	3.8	87	-0.02
3	Pyridine	40.000	38.153	4.6	84	-0.01
4	n-Nitrosodimethylamine	40.000	34.702	13.2	76	-0.01
5 S	2-Fluorophenol	80.000	75.672	5.4	84	0.00
6	Aniline	40.000	37.209	7.0	81	0.00
7 S	Phenol-d6	80.000	73.541	8.1	83	0.00
8	2-Chlorophenol	40.000	38.564	3.6	86	0.00
9	Benzaldehyde	40.000	40.001	-0.0	88	0.00
10 C	Phenol	40.000	37.544	6.1	84	0.00
11	bis(2-Chloroethyl)ether	40.000	38.186	4.5	87	0.00
12	1,3-Dichlorobenzene	40.000	39.005	2.5	87	0.00
13 C	1,4-Dichlorobenzene	40.000	39.154	2.1	88	0.00
14	1,2-Dichlorobenzene	40.000	39.134	2.2	89	0.00
15	Benzyl Alcohol	40.000	37.266	6.8	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	34.654	13.4	77	0.00
17	2-Methylphenol	40.000	37.597	6.0	84	0.00
18	Hexachloroethane	40.000	39.364	1.6	87	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.422	11.4	81	0.00
20	3+4-Methylphenols	40.000	37.117	7.2	83	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	38.519	3.7	84	0.00
23 S	Nitrobenzene-d5	80.000	82.969	-3.7	87	0.00
24	Nitrobenzene	40.000	40.170	-0.4	85	0.00
25	Isophorone	40.000	38.266	4.3	83	0.00
26 C	2-Nitrophenol	40.000	47.835	-19.6	98	0.00
27	2,4-Dimethylphenol	40.000	38.208	4.5	83	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.197	2.0	85	0.00
29 C	2,4-Dichlorophenol	40.000	40.223	-0.6	87	0.00
30	1,2,4-Trichlorobenzene	40.000	40.717	-1.8	87	0.00
31	Naphthalene	40.000	39.358	1.6	86	0.00
32	Benzoic acid	40.000	44.404	-11.0	95	0.00
33	4-Chloroaniline	40.000	38.210	4.5	82	0.00
34 C	Hexachlorobutadiene	40.000	41.298	-3.2	89	0.00
35	Caprolactam	40.000	39.419	1.5	83	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.961	2.6	84	0.00
37	2-Methylnaphthalene	40.000	39.467	1.3	86	0.00
38	1-Methylnaphthalene	40.000	39.253	1.9	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.507	-3.8	89	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.369	-5.9	86	0.00
42 S	2,4,6-Tribromophenol	80.000	88.611	-10.8	95	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.531	-1.3	86	0.00
44	2,4,5-Trichlorophenol	40.000	42.166	-5.4	89	0.00
45 S	2-Fluorobiphenyl	80.000	79.111	1.1	88	0.00
46	1,1'-Biphenyl	40.000	40.017	-0.0	87	0.00
47	2-Chloronaphthalene	40.000	40.195	-0.5	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140001.D
 Acq On : 24 Oct 2024 15:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 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	42.983	-7.5	87	0.00
49	Acenaphthylene	40.000	39.476	1.3	85	0.00
50	Dimethylphthalate	40.000	39.563	1.1	85	0.00
51	2,6-Dinitrotoluene	40.000	43.315	-8.3	89	0.00
52 C	Acenaphthene	40.000	40.473	-1.2	87	0.00
53	3-Nitroaniline	40.000	41.030	-2.6	84	0.00
54 P	2,4-Dinitrophenol	40.000	52.914	-32.3#	120	0.00
55	Dibenzofuran	40.000	39.406	1.5	85	0.00
56 P	4-Nitrophenol	40.000	40.368	-0.9	80	0.00
57	2,4-Dinitrotoluene	40.000	44.750	-11.9	89	0.00
58	Fluorene	40.000	38.903	2.7	86	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.495	-3.7	89	0.00
60	Diethylphthalate	40.000	38.673	3.3	83	0.00
61	4-Chlorophenyl-phenylether	40.000	39.877	0.3	87	0.00
62	4-Nitroaniline	40.000	40.734	-1.8	83	0.00
63	Azobenzene	40.000	37.225	6.9	79	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	40.000	56.462	-41.2#	110	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.892	0.3	83	0.00
67	4-Bromophenyl-phenylether	40.000	42.680	-6.7	90	0.00
68	Hexachlorobenzene	40.000	41.827	-4.6	87	0.00
69	Atrazine	40.000	40.265	-0.7	78	0.00
70 C	Pentachlorophenol	40.000	45.178	-12.9	87	0.00
71	Phenanthrene	40.000	39.028	2.4	82	0.00
72	Anthracene	40.000	39.491	1.3	83	0.00
73	Carbazole	40.000	37.808	5.5	80	0.00
74	Di-n-butylphthalate	40.000	38.163	4.6	77	0.00
75 C	Fluoranthene	40.000	37.517	6.2	79	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77	Benzydine	40.000	65.959	-64.9#	113	0.00
78	Pyrene	40.000	42.378	-5.9	79	0.00
79 S	Terphenyl-d14	80.000	85.096	-6.4	80	0.00
80	Butylbenzylphthalate	40.000	41.445	-3.6	75	0.00
81	Benzo(a)anthracene	40.000	40.605	-1.5	76	0.00
82	3,3'-Dichlorobenzidine	40.000	45.786	-14.5	86	0.00
83	Chrysene	40.000	37.681	5.8	74	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.582	-6.5	77	0.00
85 c	Di-n-octyl phthalate	40.000	41.159	-2.9	74	0.00
86 I	Perylene-d12	20.000	20.000	0.0	84	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.090	-7.7	87	0.00
88	Benzo(b)fluoranthene	40.000	35.677	10.8	77	0.00
89	Benzo(k)fluoranthene	40.000	39.299	1.8	82	0.00
90 C	Benzo(a)pyrene	40.000	39.262	1.8	81	0.00
91	Dibenzo(a,h)anthracene	40.000	43.023	-7.6	87	0.00
92	Benzo(g,h,i)perylene	40.000	43.554	-8.9	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



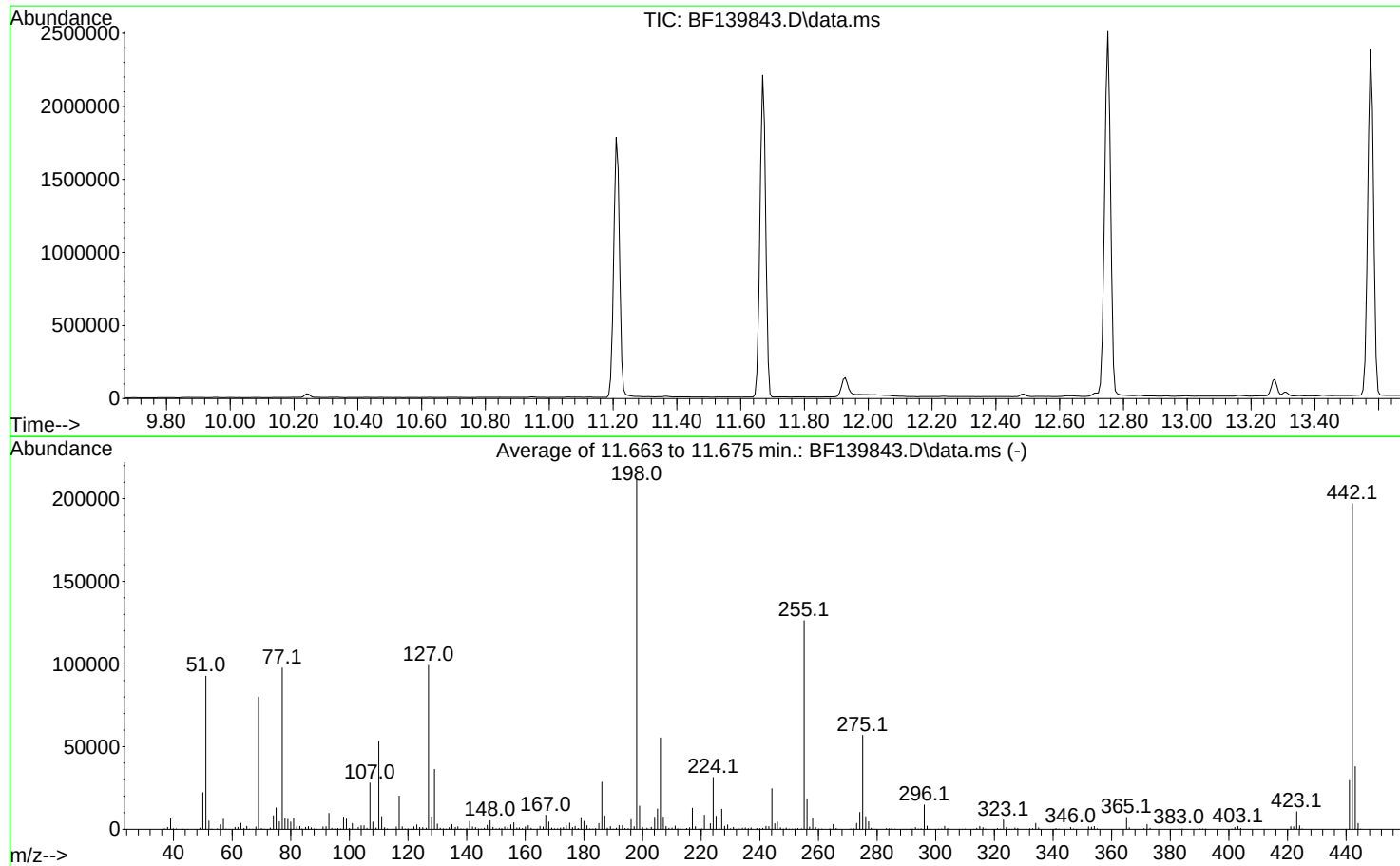
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1621

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.8	92701	PASS
68	69	0.00	2	1.9	1486	PASS
69	198	0.00	100	37.8	79959	PASS
70	69	0.00	2	0.7	529	PASS
127	198	10	80	46.9	99176	PASS
197	198	0.00	2	0.8	1650	PASS
198	198	100	100	100.0	211520	PASS
199	198	5	9	6.7	14078	PASS
275	198	10	60	26.9	56867	PASS
365	198	1	100	3.4	7148	PASS
441	198	0.01	100	14.0	29512	PASS
442	442	50	100	100.0	196979	PASS
443	442	15	24	19.2	37896	PASS

DDT Breakdown

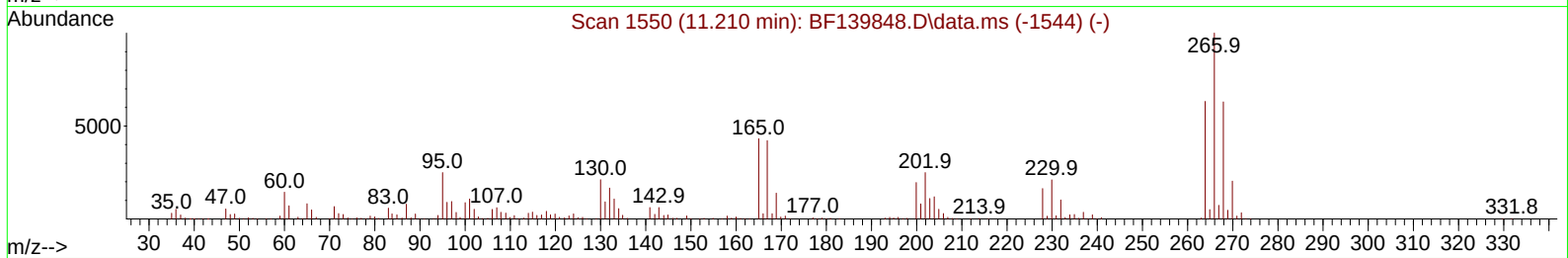
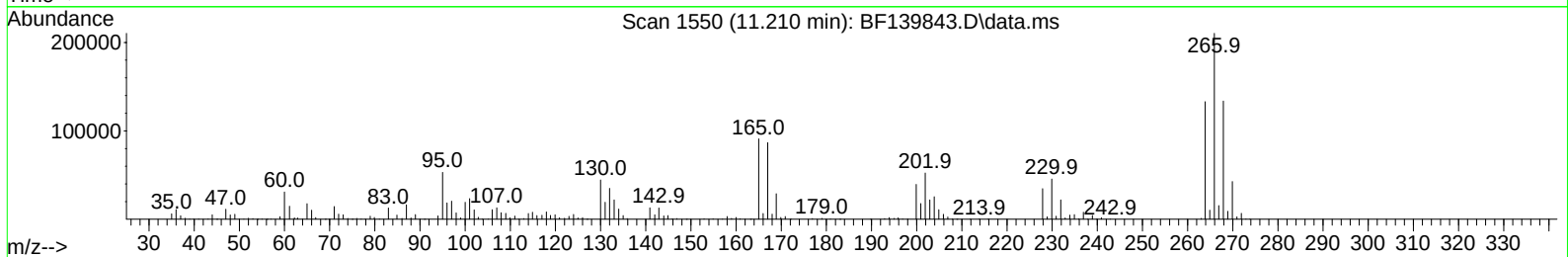
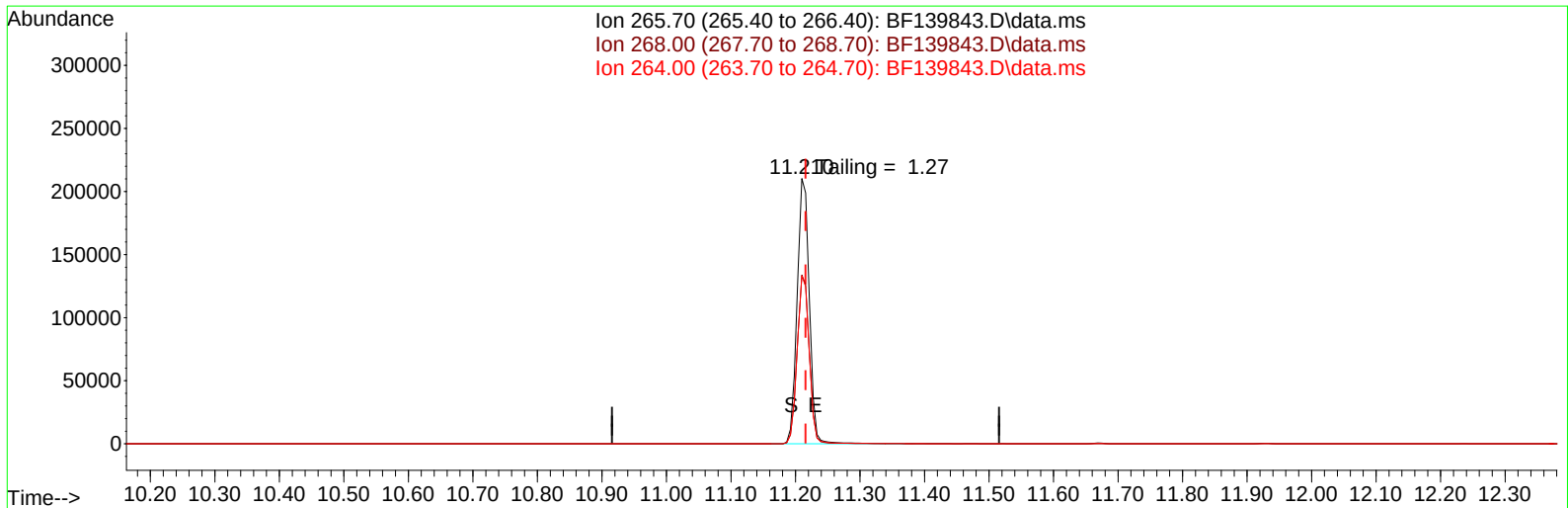
Date	Instrument Name	DFTPP Data File
10/18/2024	BNA_F	<u>BF139843.D</u>
Compound Name	Response	Retention Time
DDT	585942	13.574
DDD	33558	13.274
DDE	421	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
33979	619921	5.48

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 18 11:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 11:03:04 2024
Response via : Initial Calibration



TIC: BF139843.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 60102.24 ng

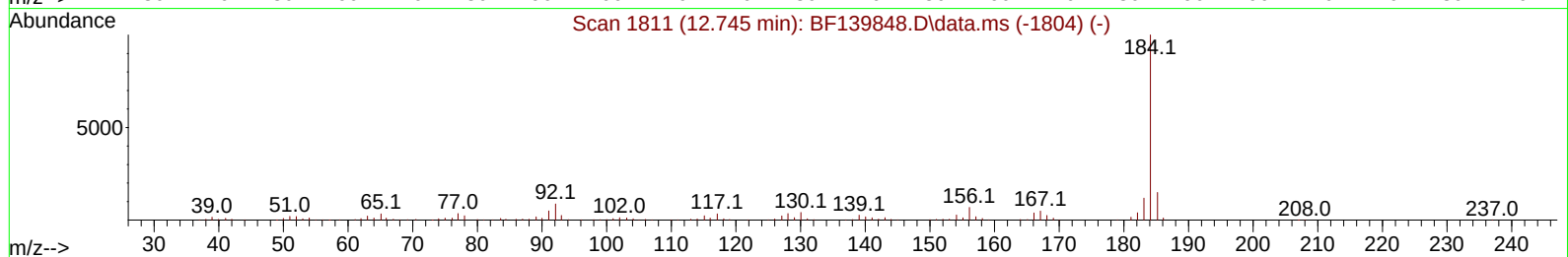
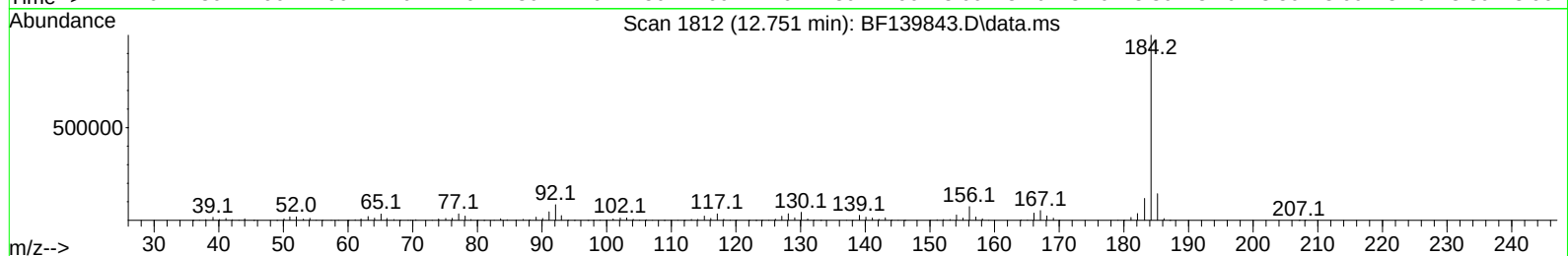
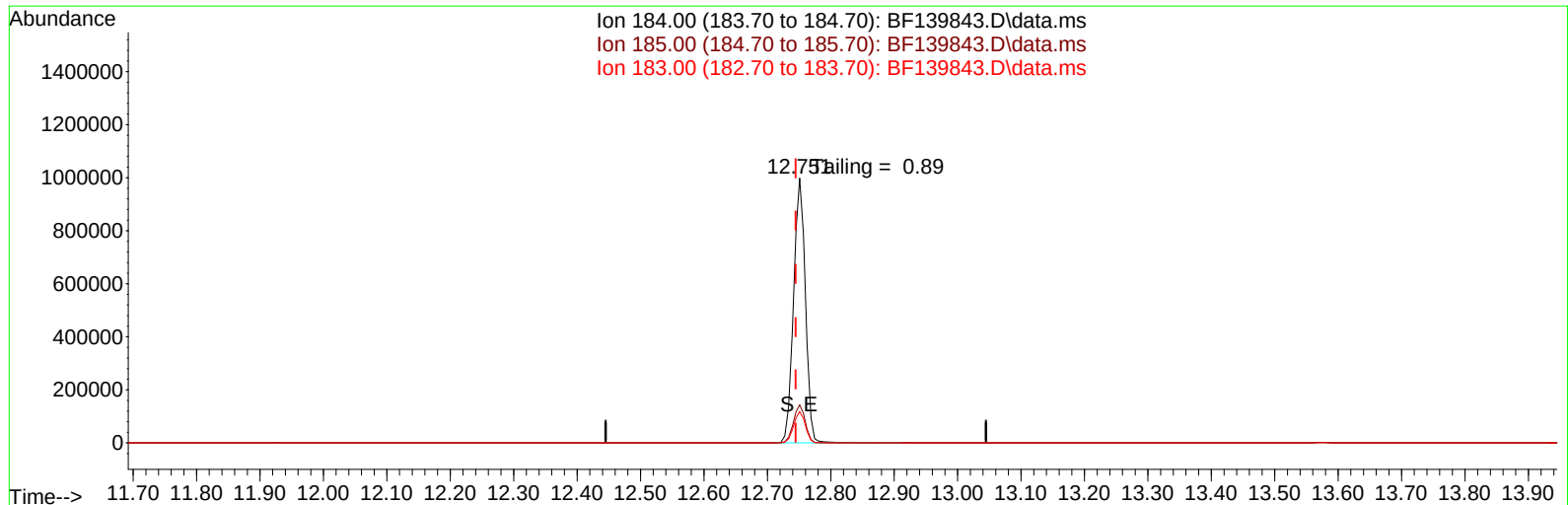
response 277191

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.60
264.00	62.50	63.30
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 18 11:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 11:03:04 2024
Response via : Initial Calibration



TIC: BF139843.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 86231.01 ng

response 1303015

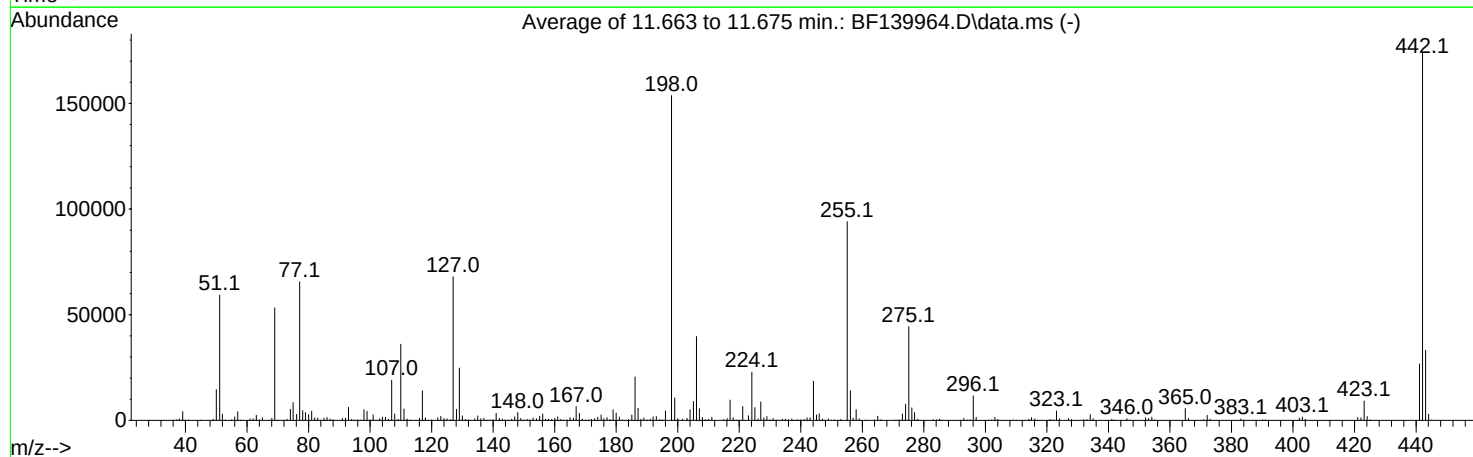
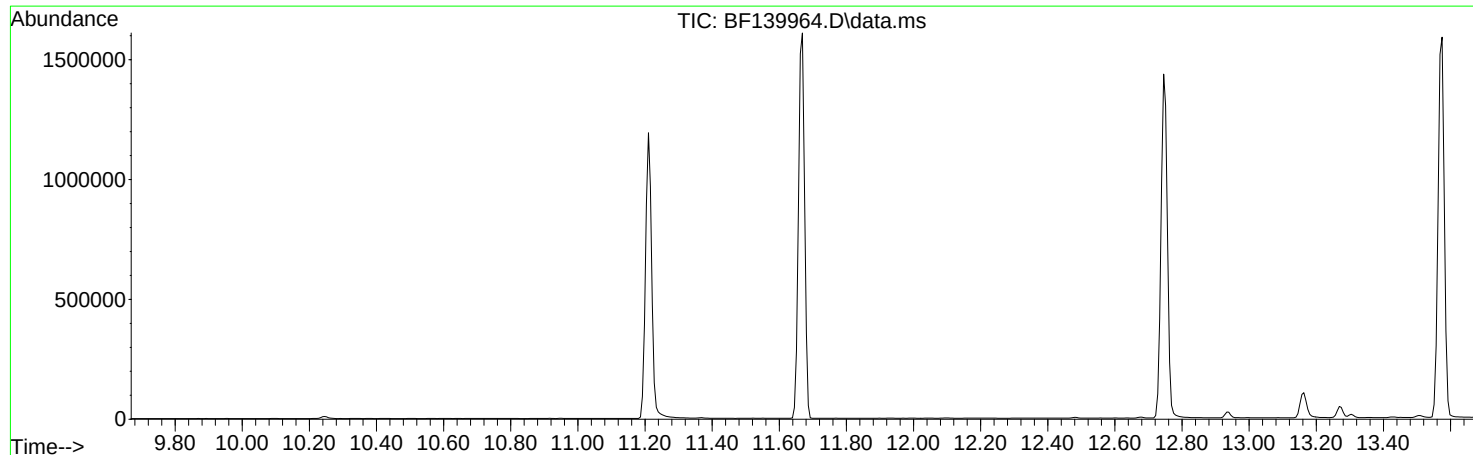
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.39
183.00	11.70	11.82
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139964.D
Acq On : 23 Oct 2024 15:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.6	59323	PASS
68	69	0.00	2	1.8	983	PASS
69	198	0.00	100	34.6	53243	PASS
70	69	0.00	2	0.4	190	PASS
127	198	10	80	44.2	67984	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153731	PASS
199	198	5	9	6.9	10579	PASS
275	198	10	60	28.8	44264	PASS
365	198	1	100	3.6	5593	PASS
441	198	0.01	100	17.4	26768	PASS
442	442	50	100	100.0	174101	PASS
443	442	15	24	19.1	33184	PASS

DDT Breakdown

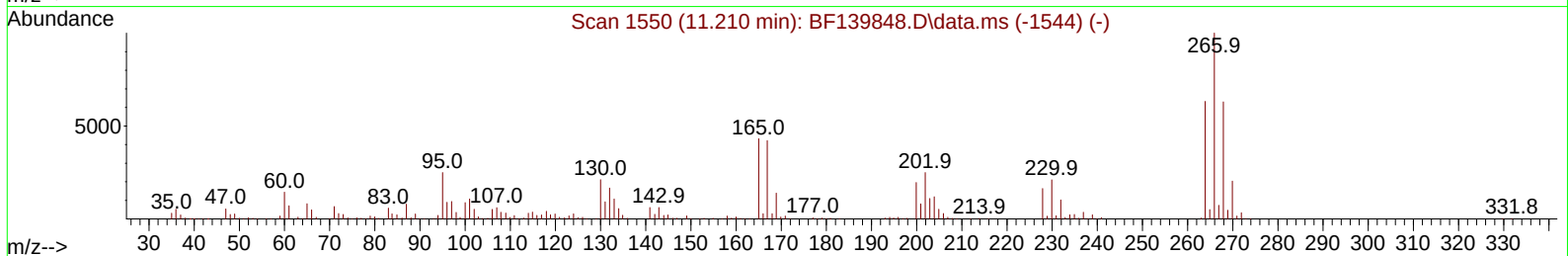
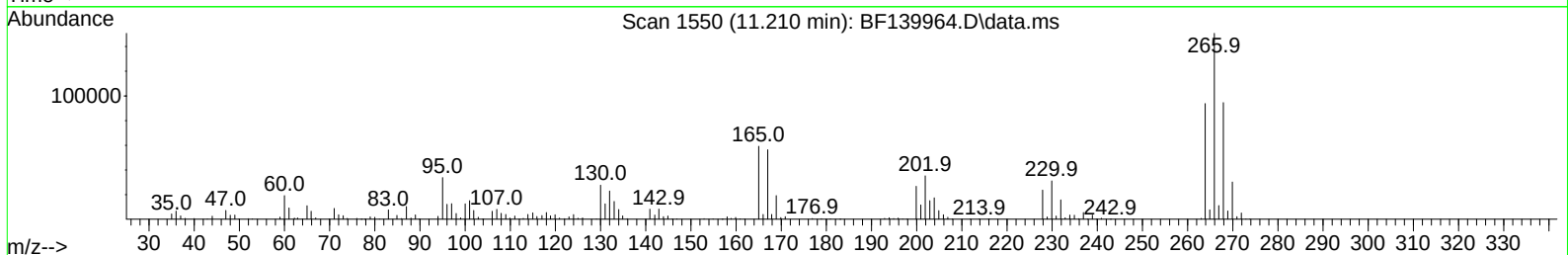
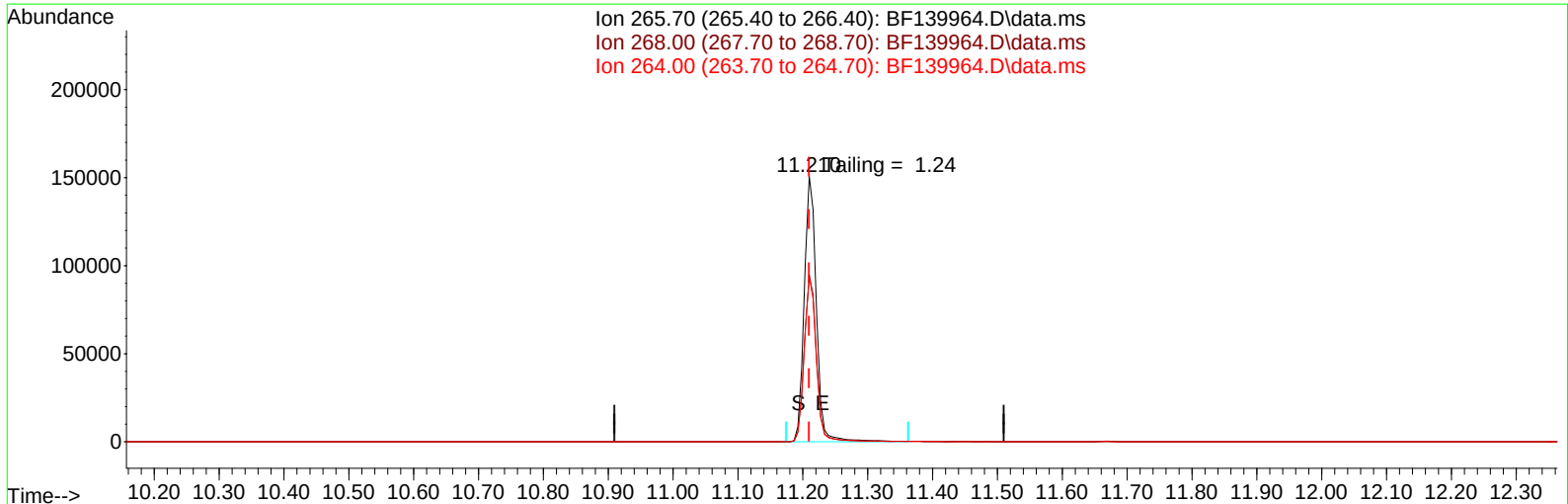
Date	Instrument Name	DFTPP Data File
10/23/2024	BNA_F	<u>BF139964.D</u>
Compound Name	Response	Retention Time
DDT	418094	13.575
DDD	17070	13.269
DDE	5569	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
22639	440733	5.14

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139964.D
Acq On : 23 Oct 2024 15:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 23 15:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139964.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 37980.39 ng

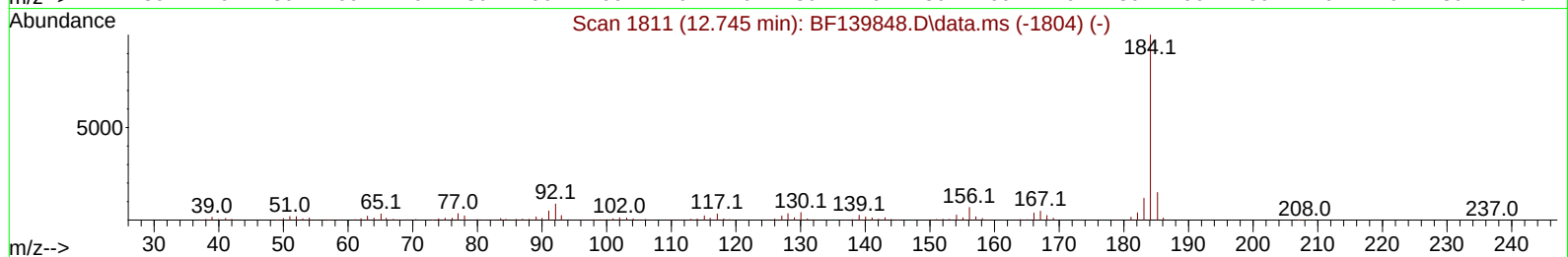
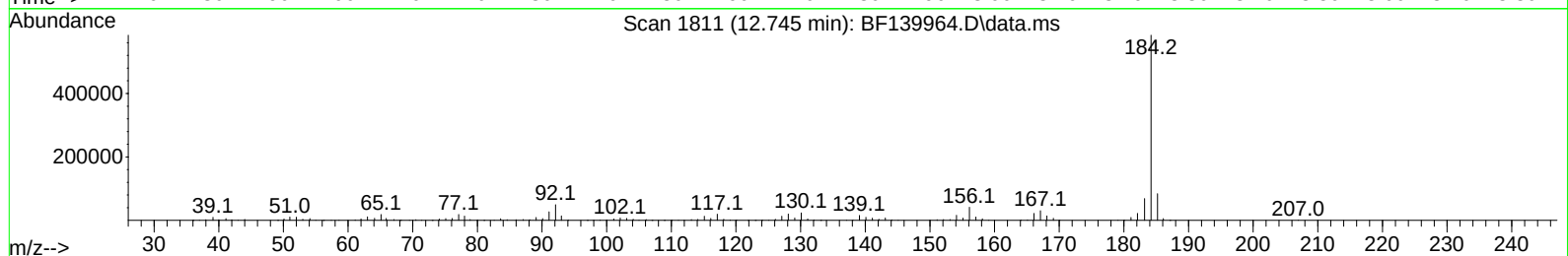
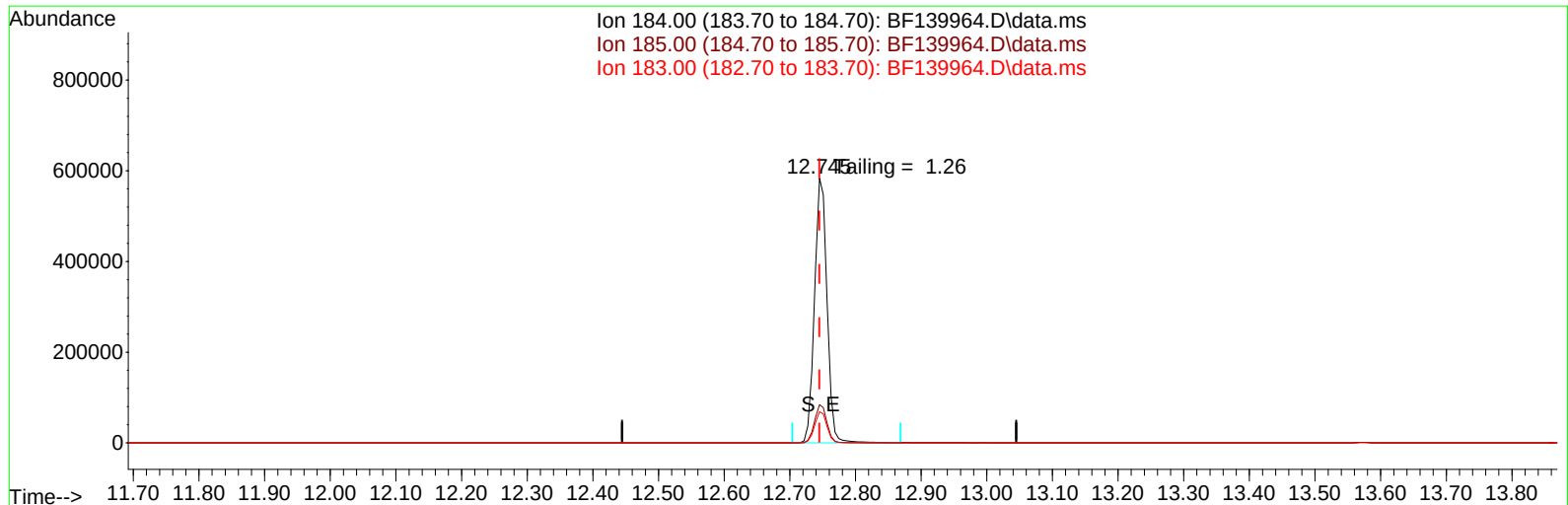
response 197630

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	62.75
264.00	63.20	62.27
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139964.D
Acq On : 23 Oct 2024 15:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 23 15:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139964.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 775484

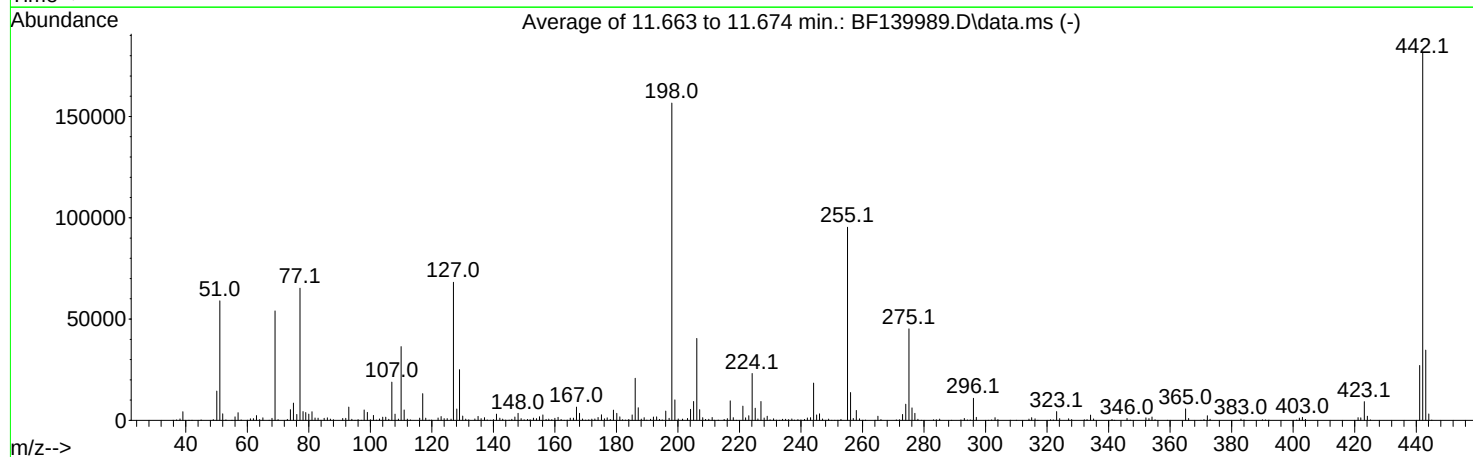
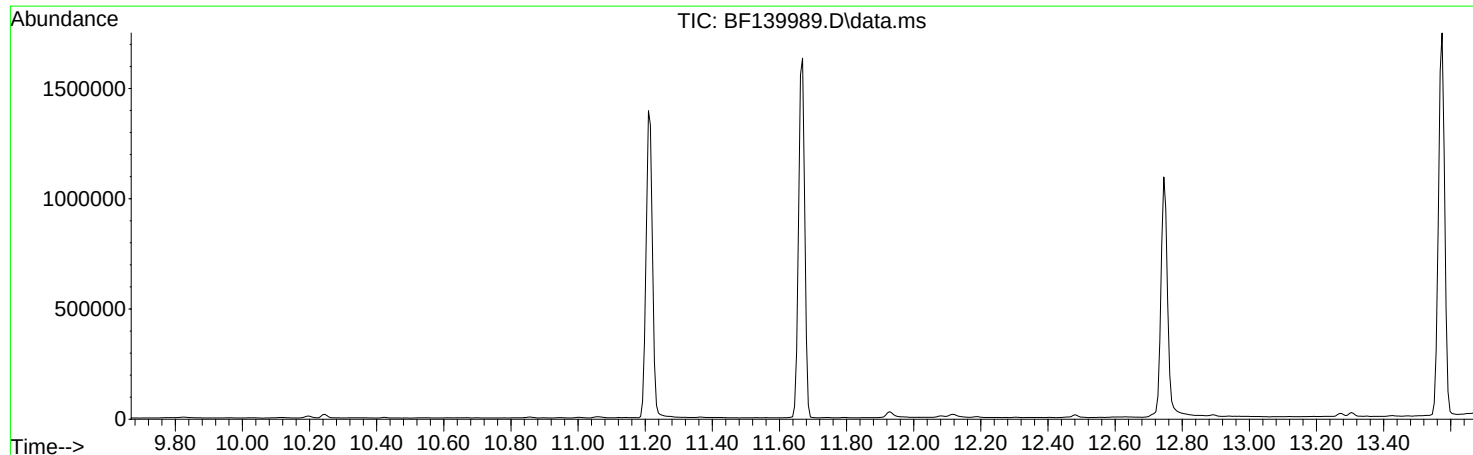
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.45
183.00	11.80	11.75
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139989.D
Acq On : 24 Oct 2024 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.6	58978	PASS
68	69	0.00	2	1.9	1013	PASS
69	198	0.00	100	34.5	54048	PASS
70	69	0.00	2	0.7	372	PASS
127	198	10	80	43.5	68144	PASS
197	198	0.00	2	0.7	1061	PASS
198	198	100	100	100.0	156656	PASS
199	198	5	9	6.5	10146	PASS
275	198	10	60	28.9	45216	PASS
365	198	1	100	3.7	5733	PASS
441	198	0.01	100	17.3	27125	PASS
442	442	50	100	100.0	181589	PASS
443	442	15	24	19.1	34717	PASS

DDT Breakdown

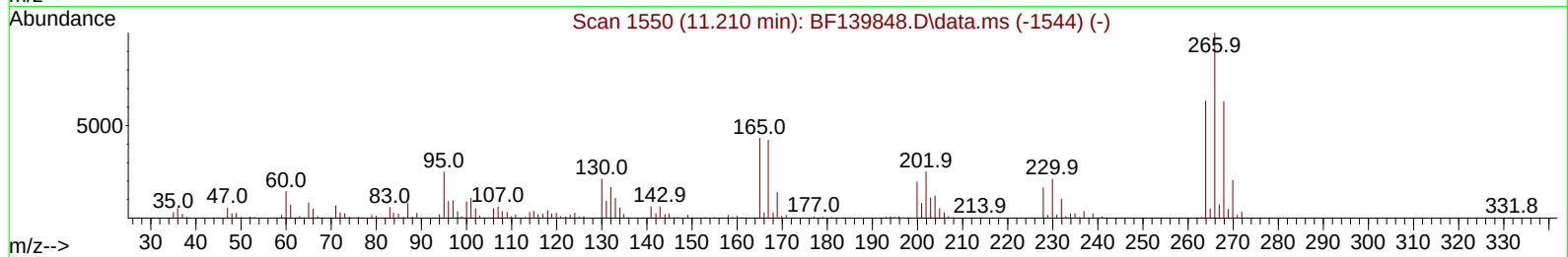
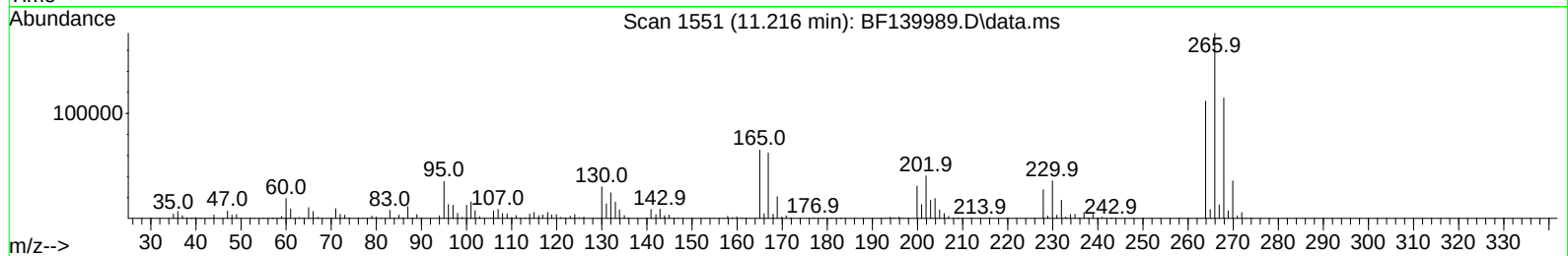
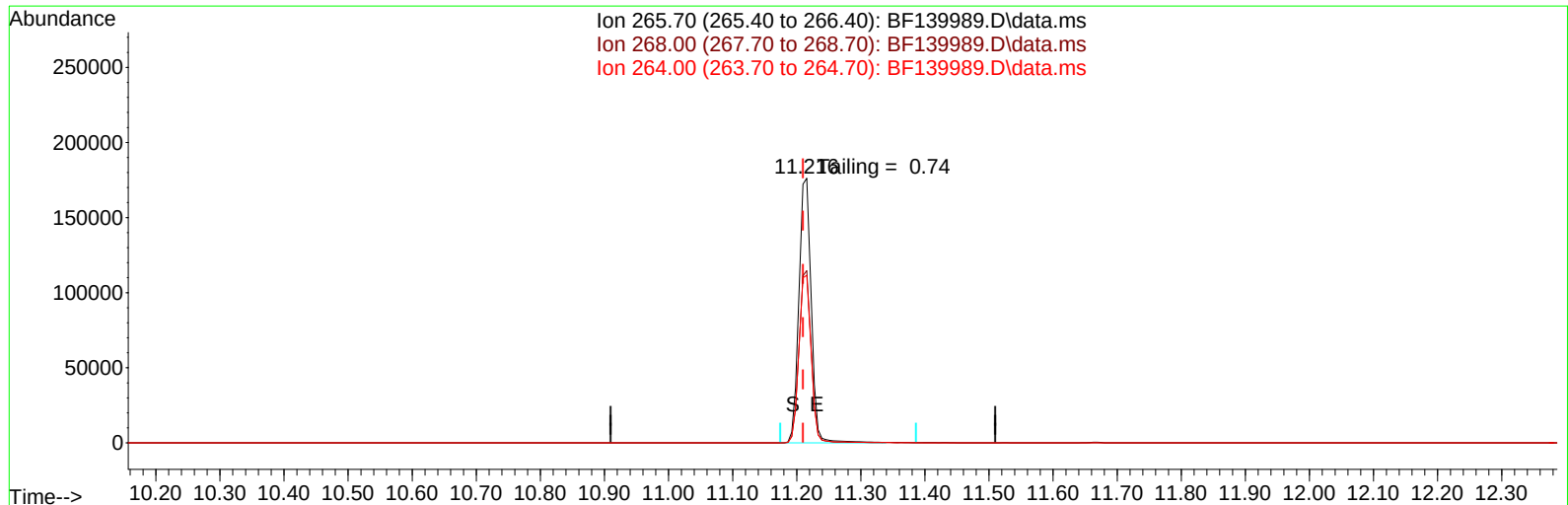
Date	Instrument Name	DFTPP Data File
10/24/2024	BNA_F	<u>BF139989.D</u>
Compound Name	Response	Retention Time
DDT	459539	13.574
DDD	8411	13.304
DDE	2706	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
11117	470656	2.36

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139989.D
Acq On : 24 Oct 2024 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 15:15:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139989.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 53480.74 ng

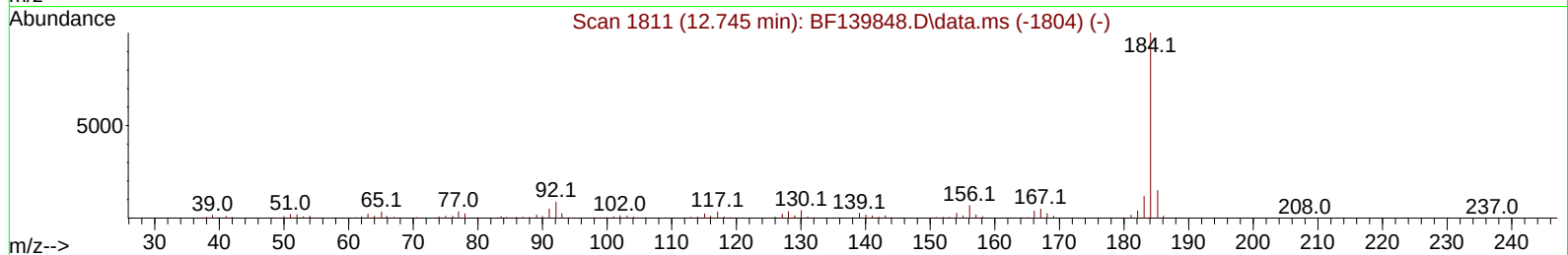
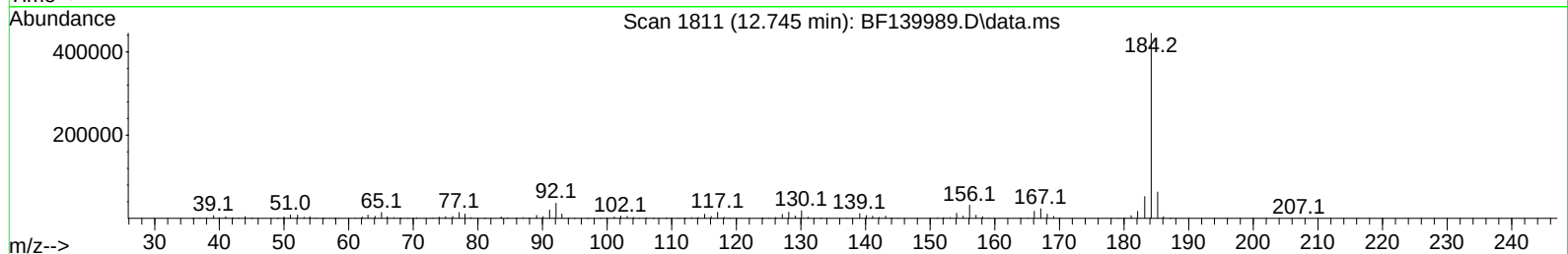
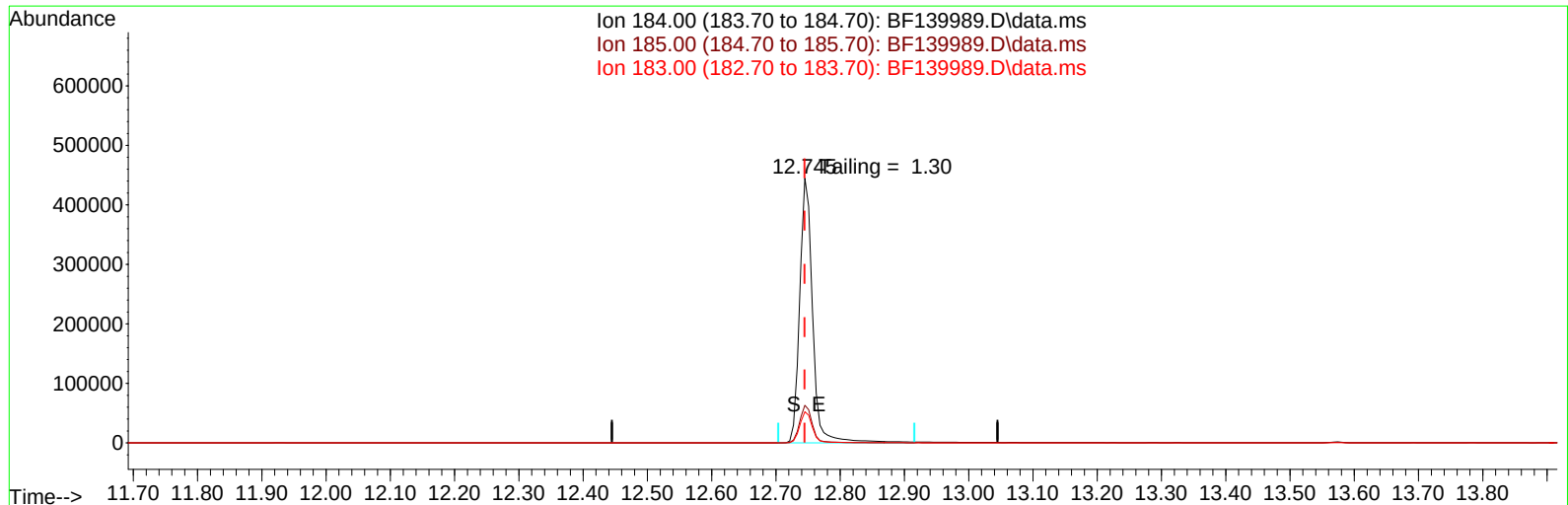
response 237671

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	65.03
264.00	63.20	63.34
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139989.D
Acq On : 24 Oct 2024 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 15:15:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139989.D\data.ms

(77) Benzidine

12.745min (-0.000) 78892.96 ng

response 623986

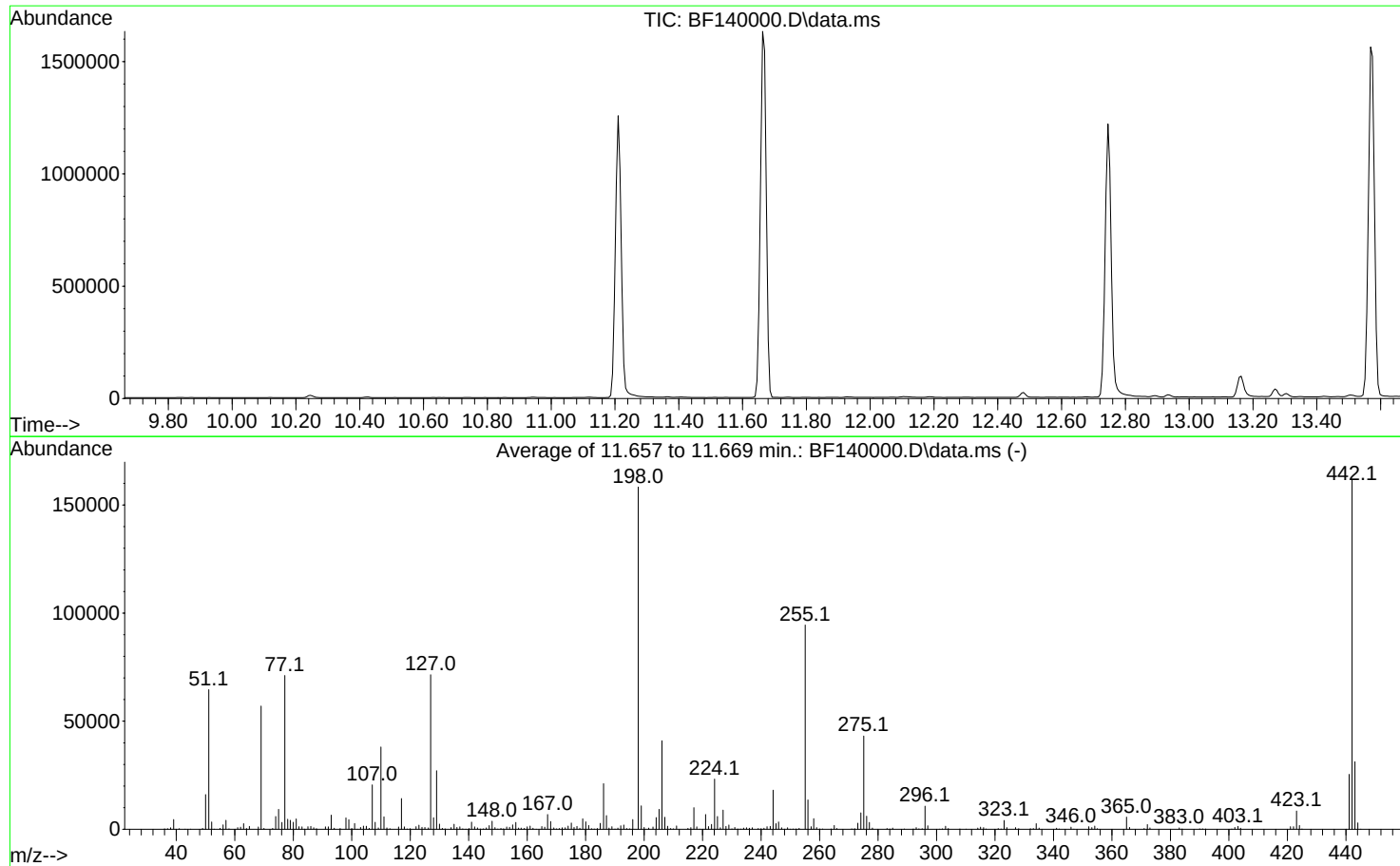
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.22
183.00	11.80	11.75
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140000.D
Acq On : 24 Oct 2024 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.8	64629	PASS
68	69	0.00	2	1.9	1095	PASS
69	198	0.00	100	36.0	57000	PASS
70	69	0.00	2	0.7	403	PASS
127	198	10	80	45.1	71469	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	158301	PASS
199	198	5	9	6.8	10841	PASS
275	198	10	60	27.3	43141	PASS
365	198	1	100	3.6	5671	PASS
441	198	0.01	100	16.0	25384	PASS
442	442	50	100	100.0	161765	PASS
443	442	15	24	19.3	31248	PASS

DDT Breakdown

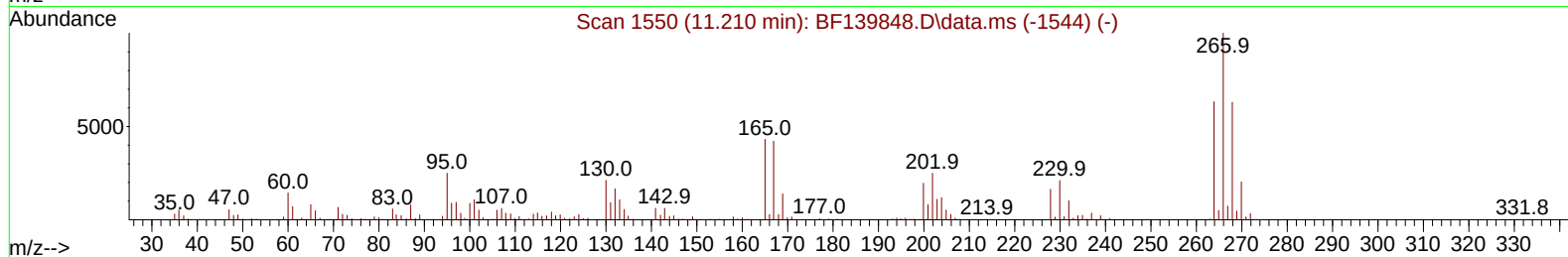
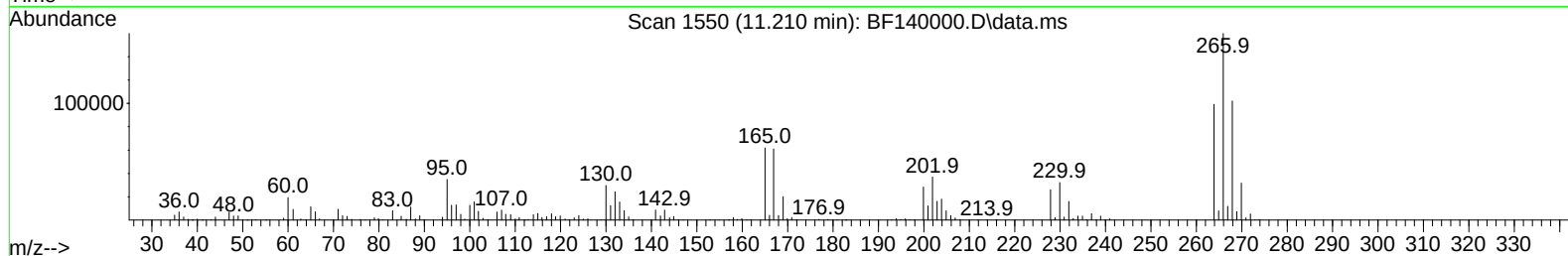
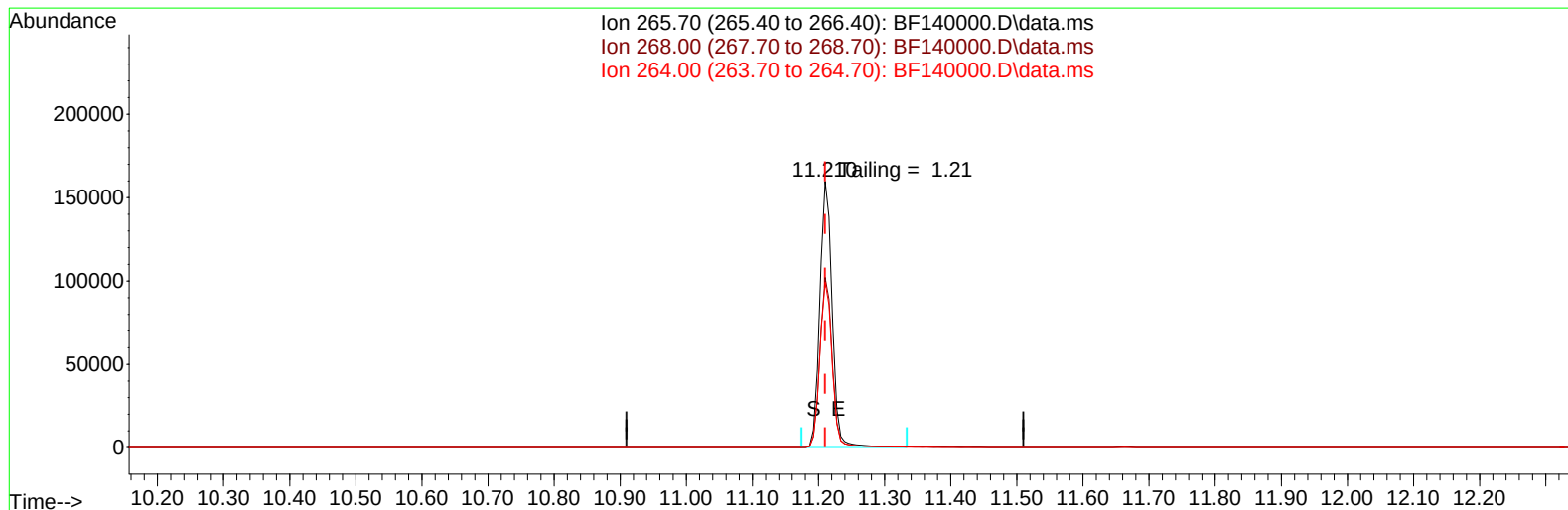
Date	Instrument Name	DFTPP Data File
10/24/2024	BNA_F	<u>BF140000.D</u>
Compound Name	Response	Retention Time
DDT	418161	13.575
DDD	12931	13.269
DDE	2295	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
15226	433387	3.51

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140000.D
Acq On : 24 Oct 2024 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 15:14:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF140000.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 39709.65 ng

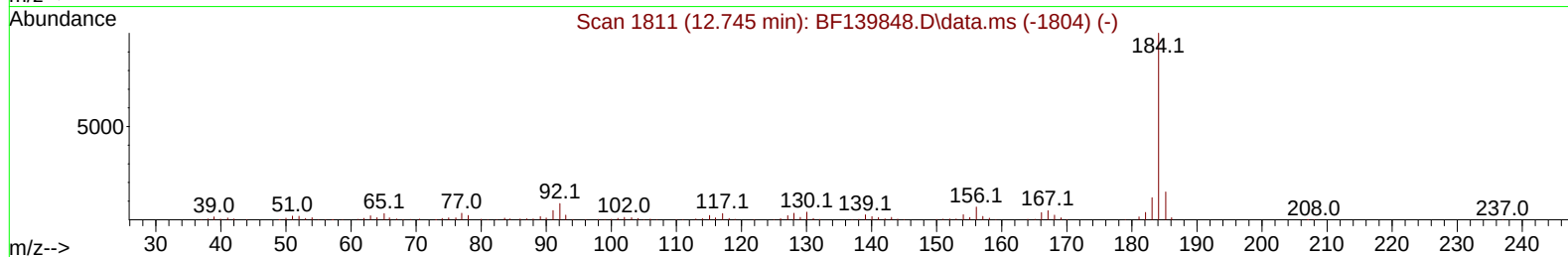
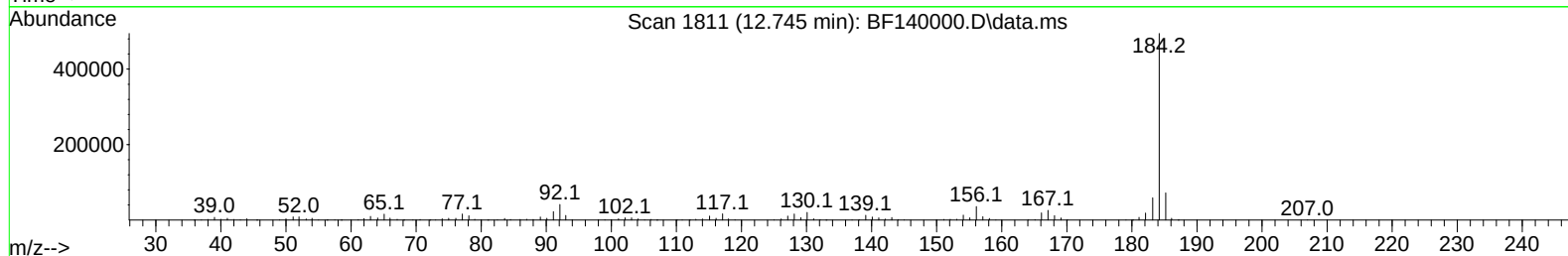
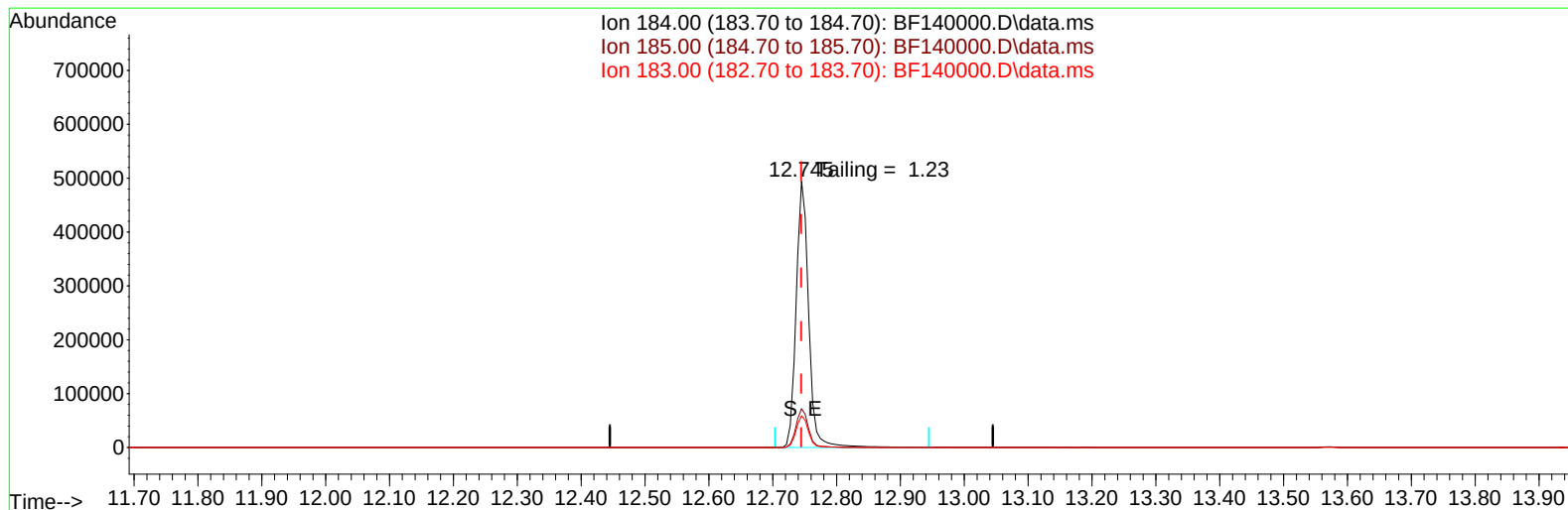
response 208862

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.86
264.00	63.20	62.10
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140000.D
Acq On : 24 Oct 2024 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 15:14:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF140000.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 156375.06 ng

response 678833

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.62
183.00	11.80	11.94
0.00	0.00	0.00

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BL	SDG No.:	P4397
Lab Sample ID:	PB164315BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139993.D	1	10/22/24 10:30	10/24/24 11:20	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.9		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	95.3		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.886			
1146-65-2	Naphthalene-d8	574000	8.169			
15067-26-2	Acenaphthene-d10	328000	9.927			
1517-22-2	Phenanthrene-d10	592000	11.41			
1719-03-5	Chrysene-d12	364000	14.051			
1520-96-3	Perylene-d12	290000	15.527			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BL	SDG No.:	P4397
Lab Sample ID:	PB164315BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139993.D	1	10/22/24 10:30	10/24/24 11:20	PB164315

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\BF102424\
Data File : BF139993.D
Acq On : 24 Oct 2024 11:20
Operator : RC/JU
Sample : PB164315BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Quant Time: Oct 24 11:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	148560	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	574491	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	327603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	592376	20.000	ng	0.00
76) Chrysene-d12	14.051	240	363554	20.000	ng	0.00
86) Perylene-d12	15.527	264	290384	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1274979	134.354	ng	0.02
7) Phenol-d6	6.510	99	1593884	129.682	ng	0.00
23) Nitrobenzene-d5	7.451	82	1033088	99.666	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	494475	161.367	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1880319	94.859	ng	0.00
79) Terphenyl-d14	13.004	244	2127175	95.342	ng	0.00

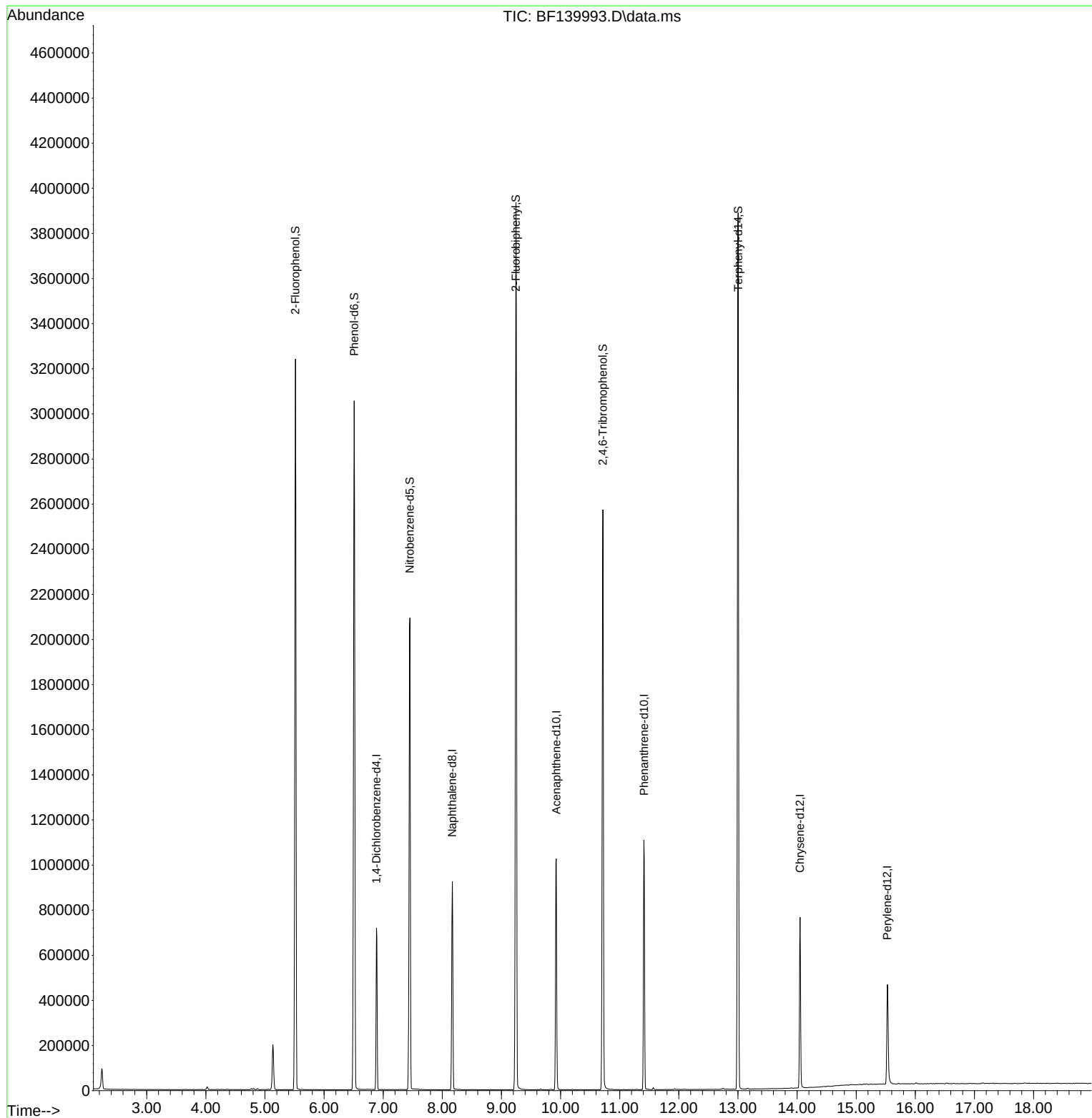
Target Compounds	Qvalue

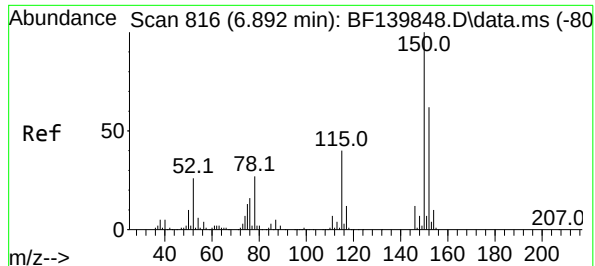
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139993.D
Acq On : 24 Oct 2024 11:20
Operator : RC/JU
Sample : PB164315BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Quant Time: Oct 24 11:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

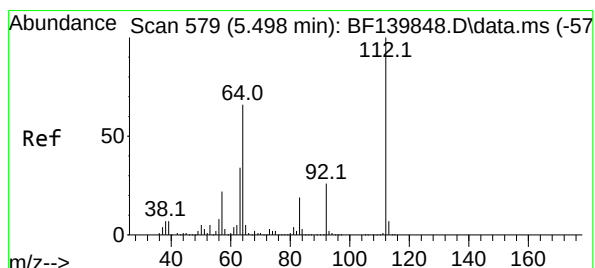
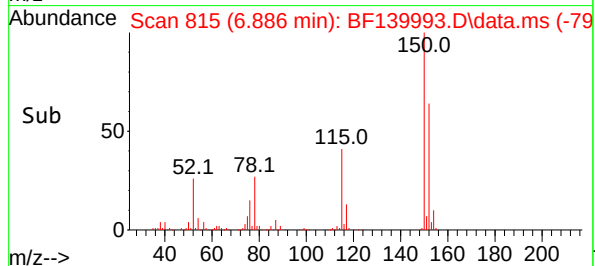
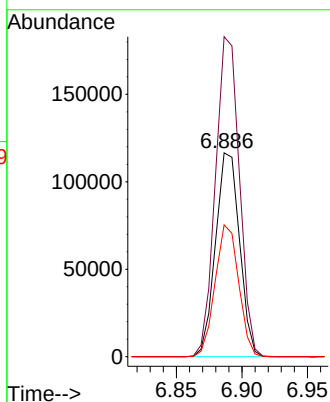
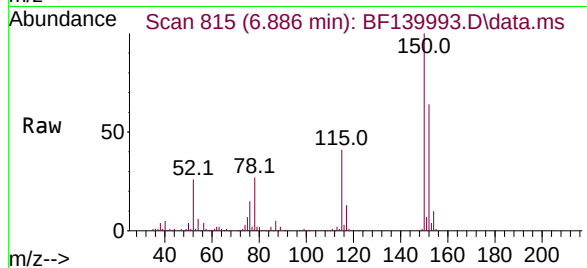




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

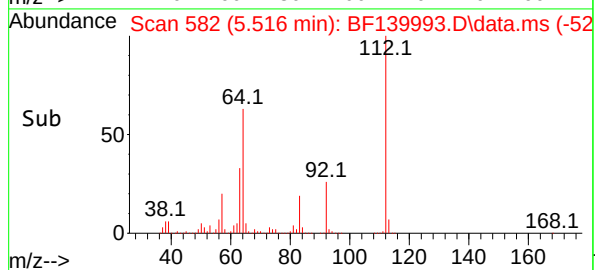
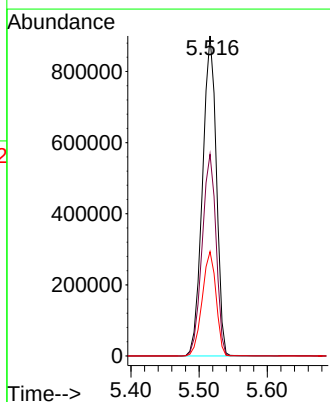
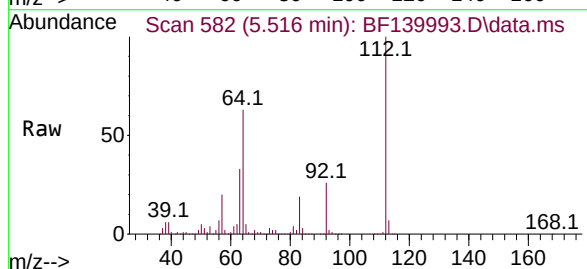
Instrument :
BNA_F
ClientSampleId :
PB164315BL

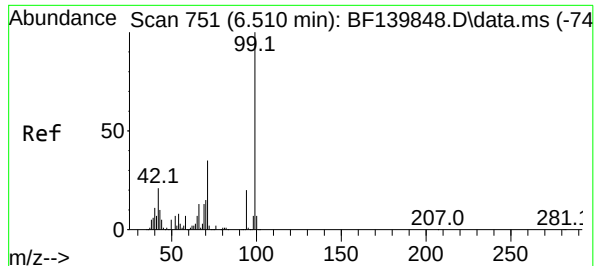
Tgt Ion:152 Resp: 148560
Ion Ratio Lower Upper
152 100
150 156.9 130.2 195.2
115 64.6 51.4 77.2



#5
2-Fluorophenol
Concen: 134.354 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

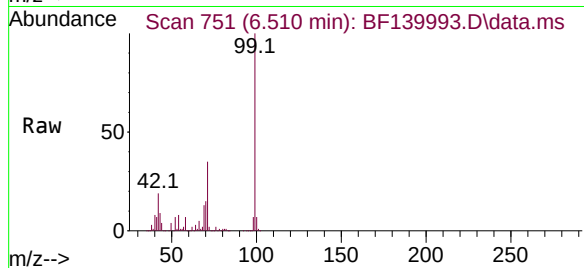
Tgt Ion:112 Resp: 1274979
Ion Ratio Lower Upper
112 100
64 63.0 53.0 79.6
63 32.6 27.0 40.4





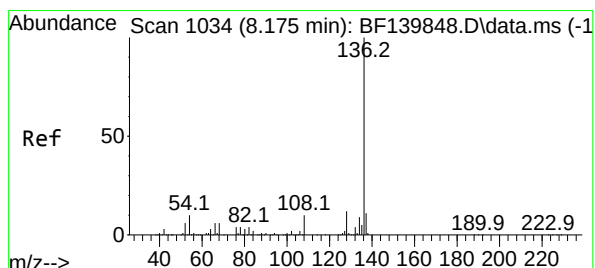
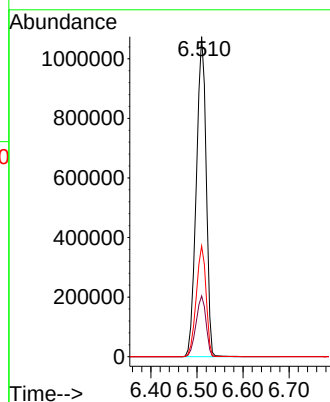
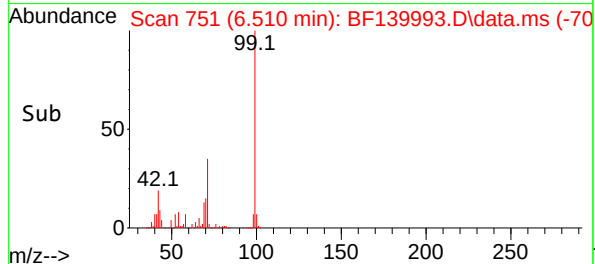
#7
Phenol-d6
Concen: 129.682 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL



Tgt Ion: 99 Resp: 1593884

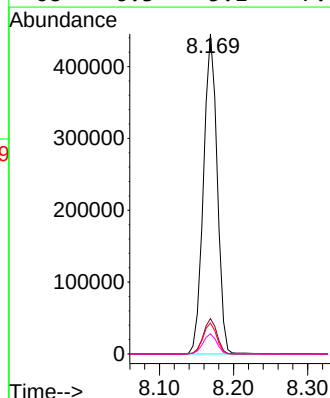
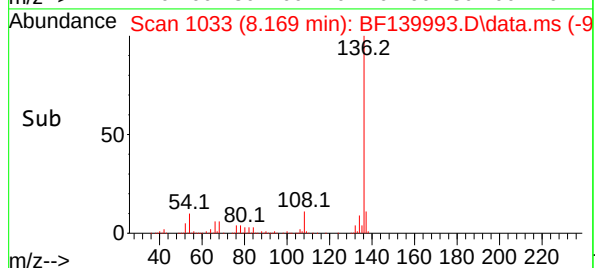
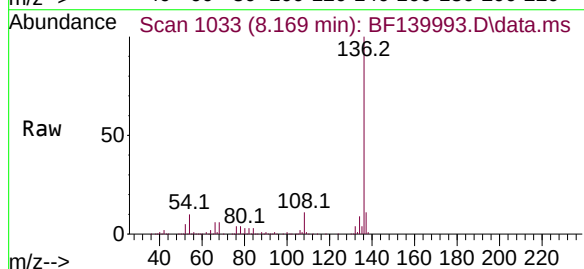
Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.6	27.7	41.5

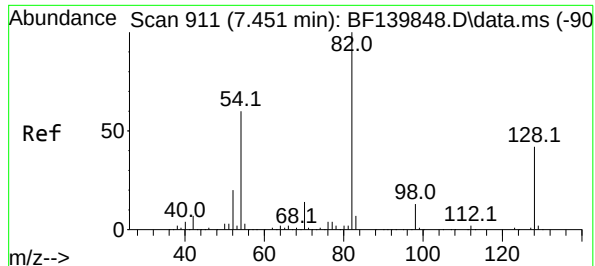


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion: 136 Resp: 574491

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.7	8.4	12.6
68	6.3	5.1	7.7





#23

Nitrobenzene-d5

Concen: 99.666 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

Instrument :

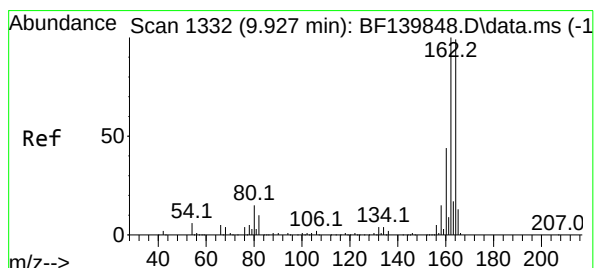
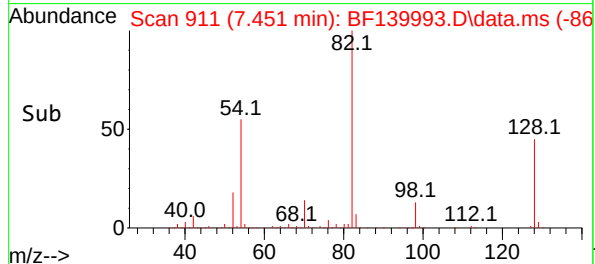
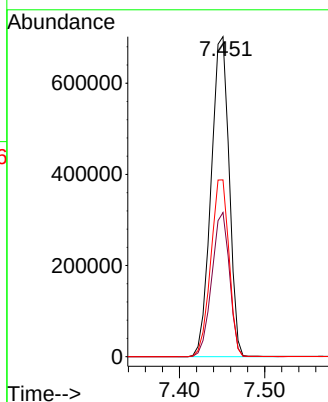
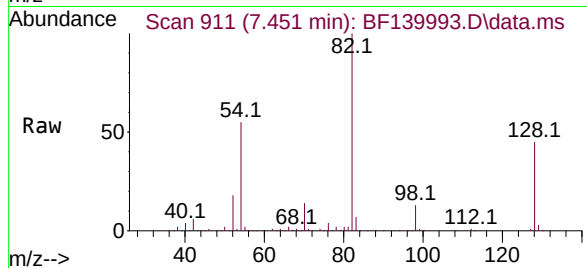
BNA_F

ClientSampleId :

PB164315BL

Tgt Ion: 82 Resp: 1033088

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.4	50.0
54	55.3	47.8	71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1332

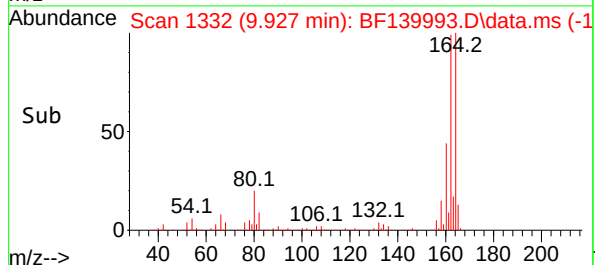
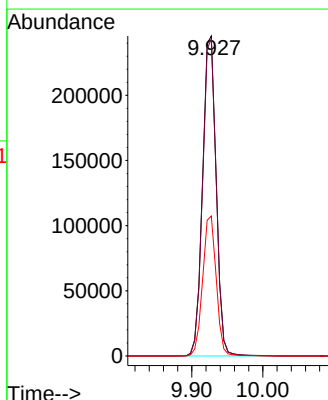
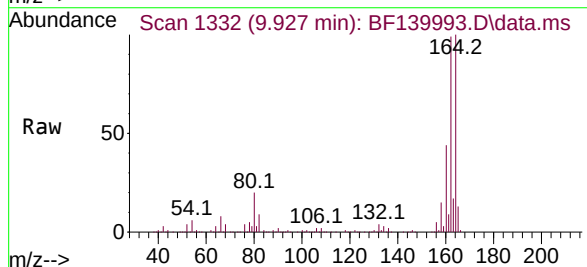
Delta R.T. 0.000 min

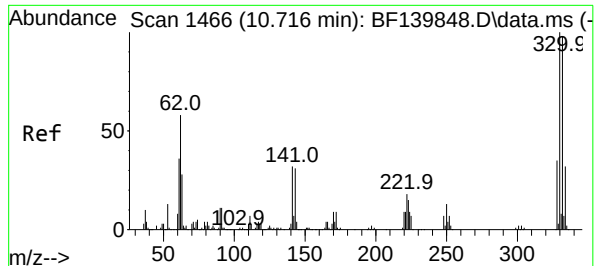
Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

Tgt Ion: 164 Resp: 327603

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.4
160	43.7	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 161.367 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF139993.D

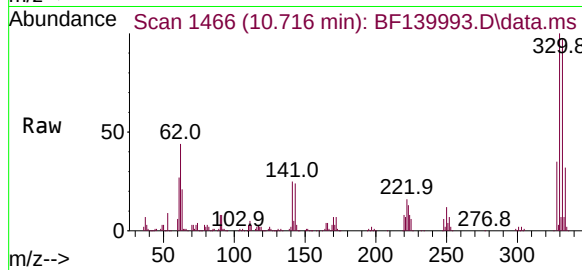
Acq: 24 Oct 2024 11:20

Instrument :

BNA_F

ClientSampleId :

PB164315BL



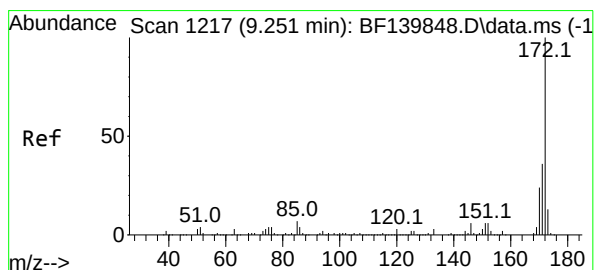
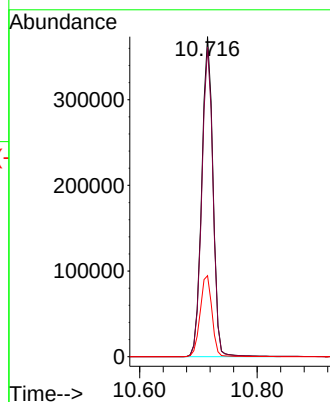
Tgt Ion:330 Resp: 494475

Ion Ratio Lower Upper

330 100

332 96.5 78.1 117.1

141 26.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 94.859 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

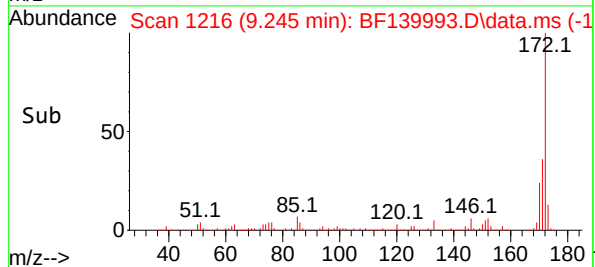
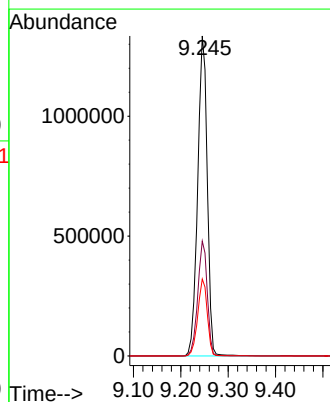
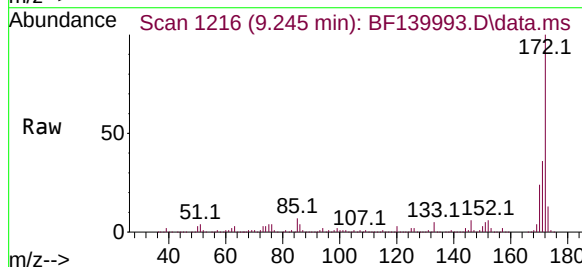
Tgt Ion:172 Resp: 1880319

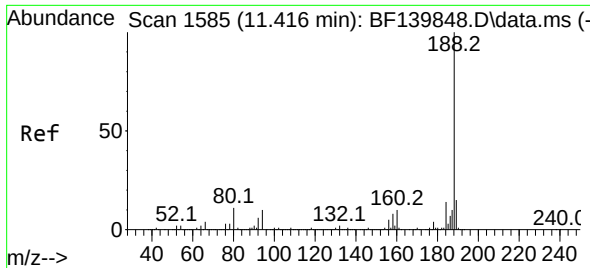
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.0 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

Instrument :

BNA_F

ClientSampleId :

PB164315BL

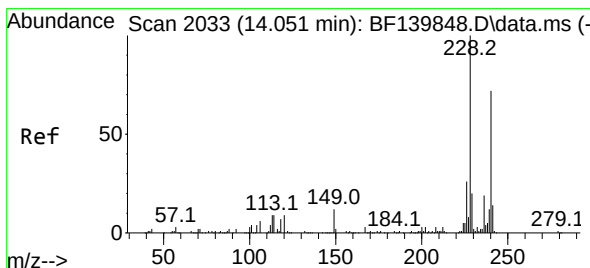
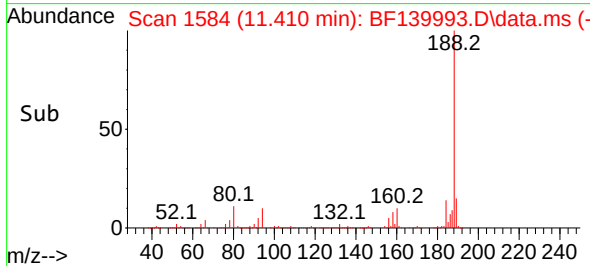
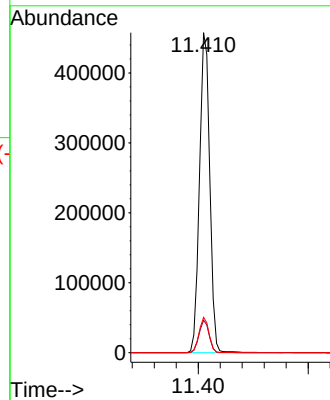
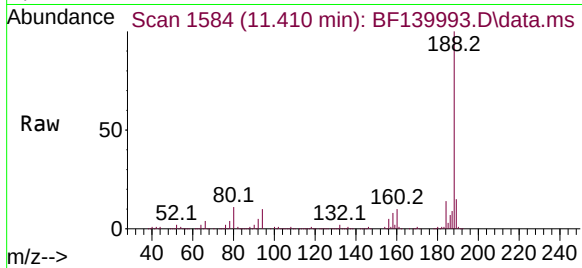
Tgt Ion:188 Resp: 592376

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.0 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

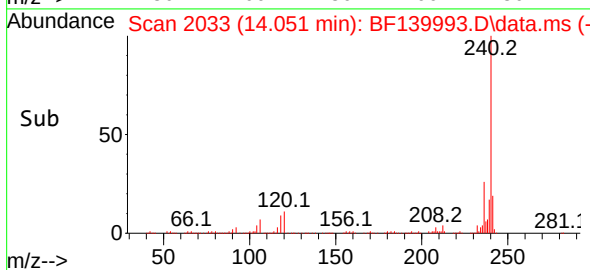
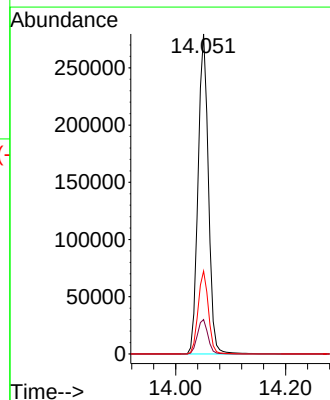
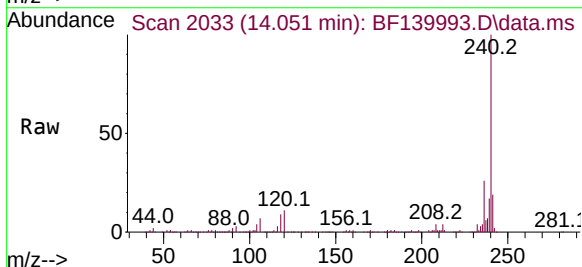
Tgt Ion:240 Resp: 363554

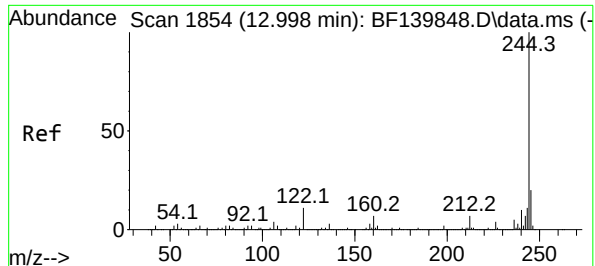
Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 25.9 20.9 31.3





#79

Terphenyl-d14

Concen: 95.342 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

Instrument :

BNA_F

ClientSampleId :

PB164315BL

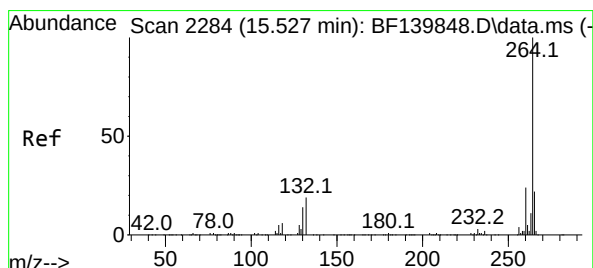
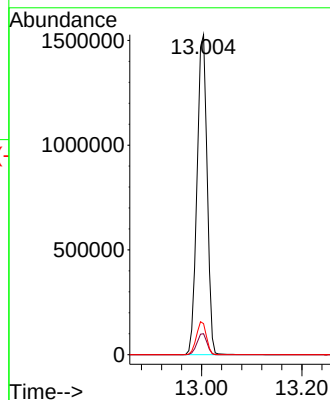
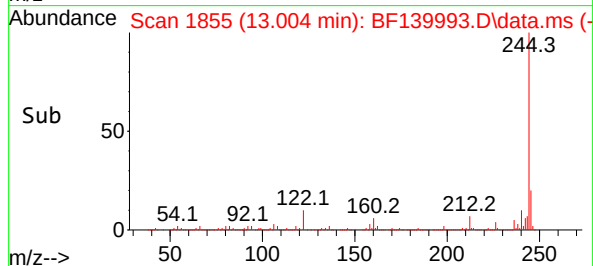
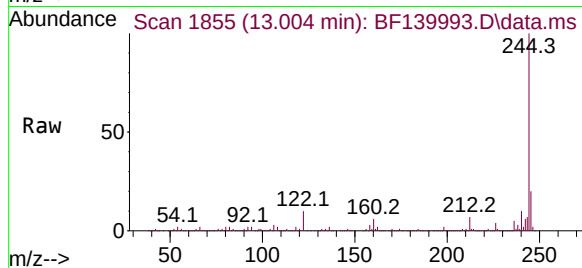
Tgt Ion:244 Resp: 2127175

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 9.7 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF139993.D

Acq: 24 Oct 2024 11:20

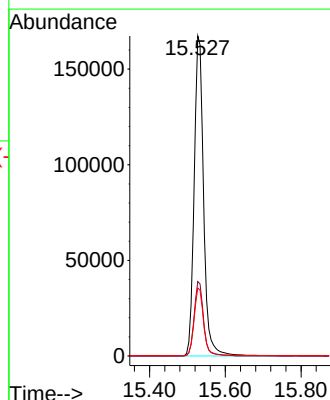
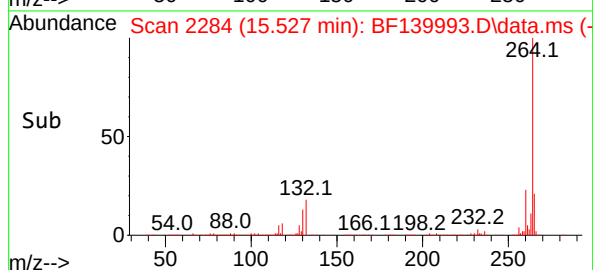
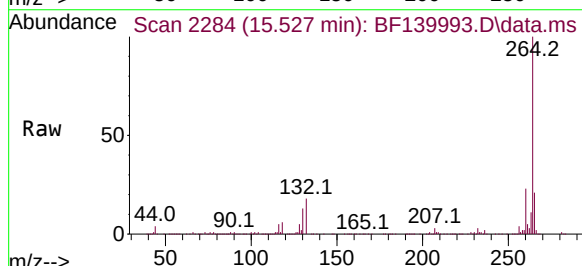
Tgt Ion:264 Resp: 290384

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 21.3 17.4 26.0



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BS	SDG No.:	P4397
Lab Sample ID:	PB164315BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139994.D	1	10/22/24 10:30	10/24/24 11:49	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	38.8		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.84	5.00	ug/L
95-48-7	2-Methylphenol	46.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	44.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	45.5		1.00	5.00	ug/L
98-95-3	Nitrobenzene	43.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.3		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.9		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.7		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	54.7		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	49.6		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	99.2	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		15 (10) - 110 (139)	84%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.4		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	144000	6.892			
1146-65-2	Naphthalene-d8	567000	8.175			
15067-26-2	Acenaphthene-d10	302000	9.928			
1517-22-2	Phenanthrene-d10	536000	11.416			
1719-03-5	Chrysene-d12	261000	14.051			
1520-96-3	Perylene-d12	283000	15.527			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BS	SDG No.:	P4397
Lab Sample ID:	PB164315BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139994.D	1	10/22/24 10:30	10/24/24 11:49	PB164315

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\BF102424\
 Data File : BF139994.D
 Acq On : 24 Oct 2024 11:49
 Operator : RC/JU
 Sample : PB164315BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164315BS

Quant Time: Oct 24 12:21:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	143702	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	566601	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	302186	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	535948	20.000	ng	0.00
76) Chrysene-d12	14.051	240	260625	20.000	ng	0.00
86) Perylene-d12	15.527	264	282742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1160292	126.402	ng	0.02
7) Phenol-d6	6.516	99	1462769	123.038	ng	0.00
23) Nitrobenzene-d5	7.451	82	954892	93.405	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	446749	158.054	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1707500	93.386	ng	0.00
79) Terphenyl-d14	12.998	244	1703690	106.518	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	154698	36.146	ng	95
3) Pyridine	3.516	79	411484	38.788	ng	95
4) n-Nitrosodimethylamine	3.463	42	234738	41.185	ng	96
6) Aniline	6.551	93	439543	39.670	ng	99
8) 2-Chlorophenol	6.675	128	450392	47.995	ng	96
9) Benzaldehyde	6.440	77	107591	16.087	ng	98
10) Phenol	6.528	94	549026m	44.794	ng	
11) bis(2-Chloroethyl)ether	6.628	93	430120	45.402	ng	97
12) 1,3-Dichlorobenzene	6.834	146	476596	44.243	ng	99
13) 1,4-Dichlorobenzene	6.910	146	487421	45.290	ng	98
14) 1,2-Dichlorobenzene	7.063	146	465007	46.296	ng	99
15) Benzyl Alcohol	7.028	79	404111	46.338	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	708497	43.860	ng	97
17) 2-Methylphenol	7.140	107	372824	46.592	ng	99
18) Hexachloroethane	7.404	117	174507	45.471	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	324409	44.991	ng	95
20) 3+4-Methylphenols	7.287	107	452339	44.196	ng	94
22) Acetophenone	7.298	105	606884	43.730	ng	98
24) Nitrobenzene	7.469	77	489244	43.649	ng	100
25) Isophorone	7.710	82	884582	45.589	ng	99
26) 2-Nitrophenol	7.787	139	236831	56.009	ng	95
27) 2,4-Dimethylphenol	7.816	122	371793	52.731	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	532172	45.268	ng	100
29) 2,4-Dichlorophenol	8.022	162	370712	46.160	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	393537	44.285	ng	99
31) Naphthalene	8.192	128	1298729	44.444	ng	100
32) Benzoic acid	7.934	122	295362	48.029	ng	94
33) 4-Chloroaniline	8.239	127	191995	19.268	ng	98
34) Hexachlorobutadiene	8.310	225	252882	45.291	ng	100
35) Caprolactam	8.610	113	120736m	47.281	ng	
36) 4-Chloro-3-methylphenol	8.716	107	403239	45.345	ng	97
37) 2-Methylnaphthalene	8.886	142	823280	46.002	ng	99
38) 1-Methylnaphthalene	8.986	142	760399	43.306	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	388519	47.656	ng	99
41) Hexachlorocyclopentadiene	9.039	237	514537	181.387	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	293862	50.913	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF139994.D
 Acq On : 24 Oct 2024 11:49
 Operator : RC/JU
 Sample : PB164315BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164315BS

Quant Time: Oct 24 12:21:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

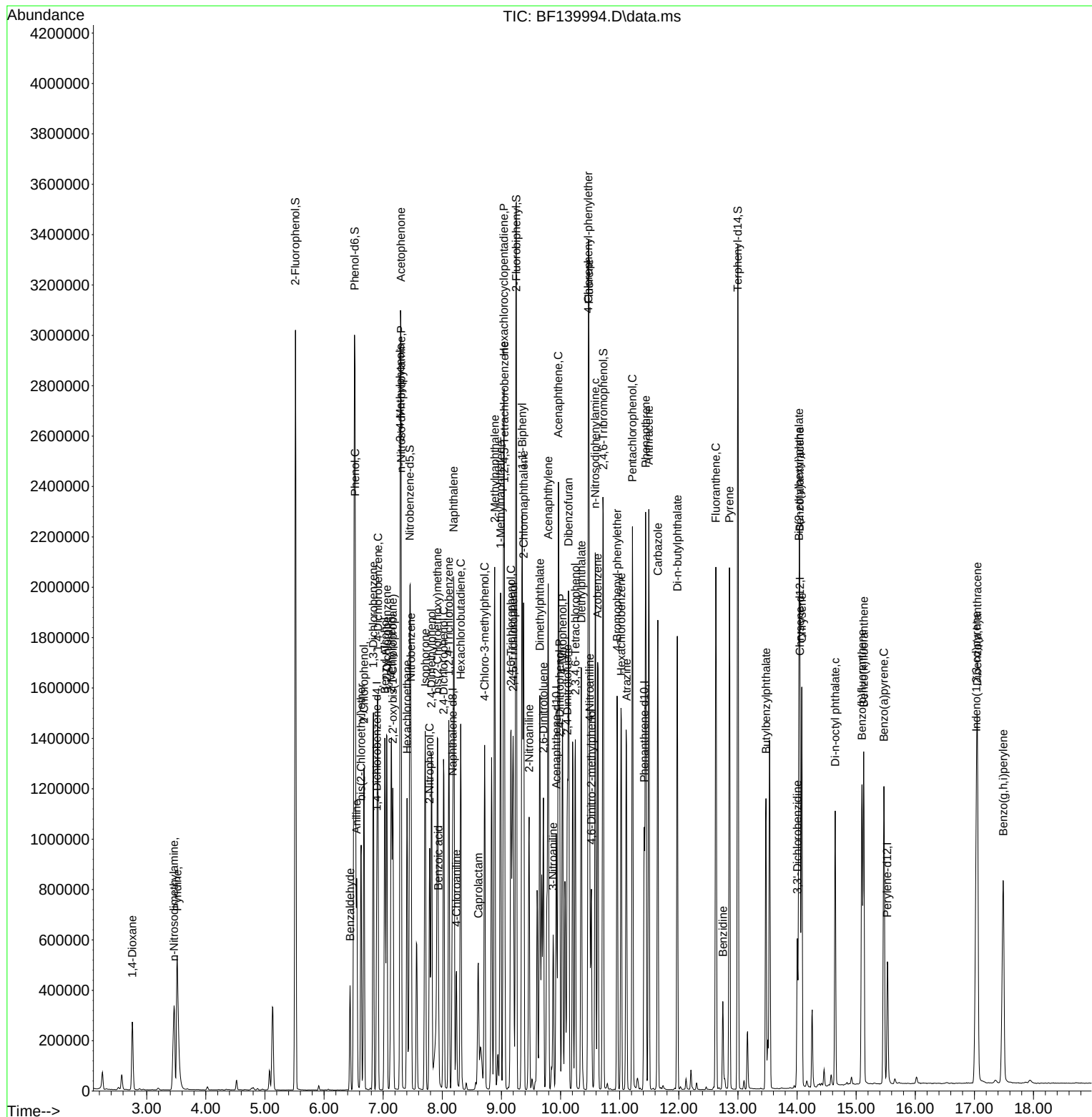
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	295995	49.705	ng	99
46) 1,1'-Biphenyl	9.351	154	990678	47.093	ng	99
47) 2-Chloronaphthalene	9.375	162	789590	46.602	ng	99
48) 2-Nitroaniline	9.469	65	269390	51.986	ng	93
49) Acenaphthylene	9.792	152	1234528	50.400	ng	99
50) Dimethylphthalate	9.651	163	921453	48.955	ng	100
51) 2,6-Dinitrotoluene	9.710	165	205171	50.343	ng	95
52) Acenaphthene	9.963	154	863112	54.470	ng	99
53) 3-Nitroaniline	9.875	138	125115	29.770	ng	97
54) 2,4-Dinitrophenol	9.986	184	224090	128.071	ng	# 1
55) Dibenzofuran	10.133	168	1095379	48.181	ng	99
56) 4-Nitrophenol	10.033	139	342409	105.897	ng	96
57) 2,4-Dinitrotoluene	10.116	165	274243	54.720	ng	96
58) Fluorene	10.480	166	821779	47.458	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	246416	52.785	ng	96
60) Diethylphthalate	10.351	149	883265	47.793	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	419283	47.948	ng	98
62) 4-Nitroaniline	10.492	138	195741	49.313	ng	95
63) Azobenzene	10.628	77	905569	46.220	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	150164	68.690	ng	90
66) n-Nitrosodiphenylamine	10.586	169	771009	48.066	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	274971	49.802	ng	97
68) Hexachlorobenzene	11.028	284	308047	49.608	ng	94
69) Atrazine	11.116	200	249571	57.436	ng	99
70) Pentachlorophenol	11.216	266	373703	99.161	ng	99
71) Phenanthrene	11.439	178	1205859	47.632	ng	100
72) Anthracene	11.492	178	1233007	49.919	ng	100
73) Carbazole	11.645	167	1052474	45.816	ng	99
74) Di-n-butylphthalate	11.975	149	1249126	47.065	ng	100
75) Fluoranthene	12.627	202	1184700	46.291	ng	100
77) Benzidine	12.745	184	199428	46.535	ng	99
78) Pyrene	12.857	202	1178350	51.652	ng	100
80) Butylbenzylphthalate	13.474	149	366950	53.652	ng	98
81) Benzo(a)anthracene	14.045	228	854961	50.393	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	178968	36.180	ng	98
83) Chrysene	14.080	228	755642	48.577	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	411236	53.591	ng	99
85) Di-n-octyl phthalate	14.645	149	701121	50.233	ng	96
87) Indeno(1,2,3-cd)pyrene	17.033	276	1030056	56.629	ng	98
88) Benzo(b)fluoranthene	15.098	252	745894	43.307	ng	99
89) Benzo(k)fluoranthene	15.127	252	765437	51.531	ng	99
90) Benzo(a)pyrene	15.468	252	745619	52.612	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	843072	55.560	ng	99
92) Benzo(g,h,i)perylene	17.486	276	798685	52.694	ng	99

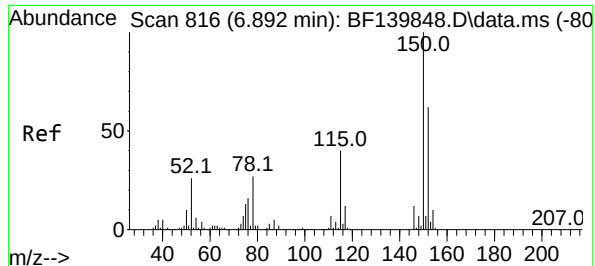
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\  
Data File : BF139994.D  
Acq On    : 24 Oct 2024  11:49  
Operator  : RC/JU  
Sample    : PB164315BS  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

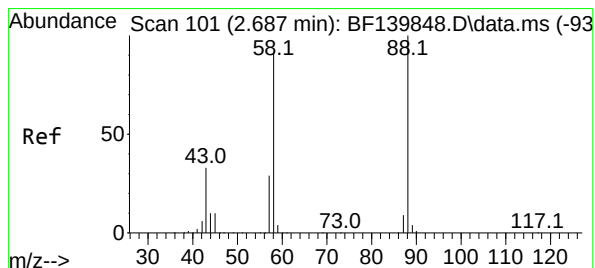
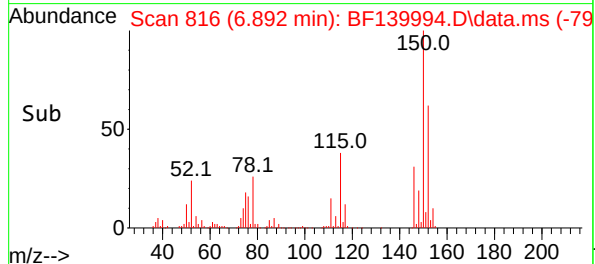
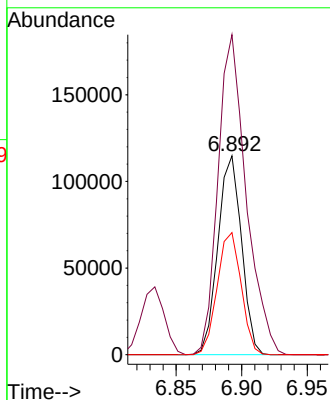
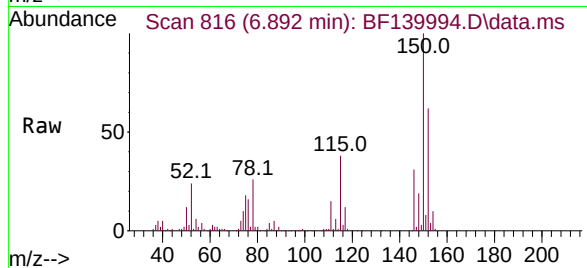




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

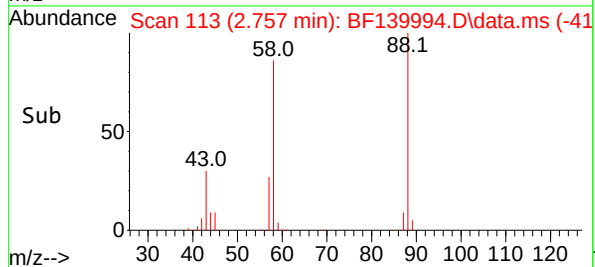
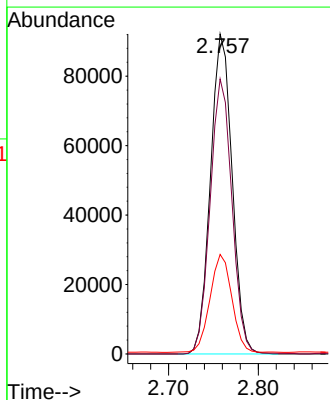
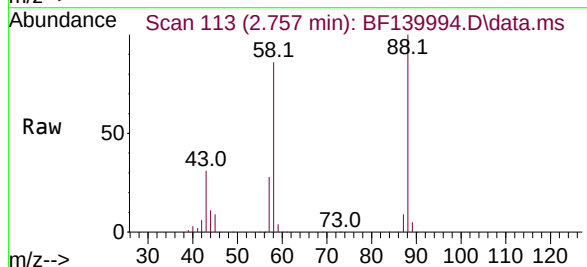
Instrument :
BNA_F
ClientSampleId :
PB164315BS

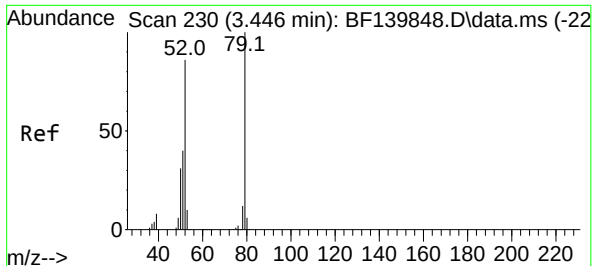
Tgt Ion:152 Resp: 143702
Ion Ratio Lower Upper
152 100
150 160.9 130.2 195.2
115 61.4 51.4 77.2



#2
1,4-Dioxane
Concen: 36.146 ng
RT: 2.757 min Scan# 113
Delta R.T. 0.071 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion: 88 Resp: 154698
Ion Ratio Lower Upper
88 100
58 86.6 73.3 109.9
43 30.9 27.1 40.7





#3

Pyridine

Concen: 38.788 ng

RT: 3.516 min Scan# 24

Delta R.T. 0.071 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

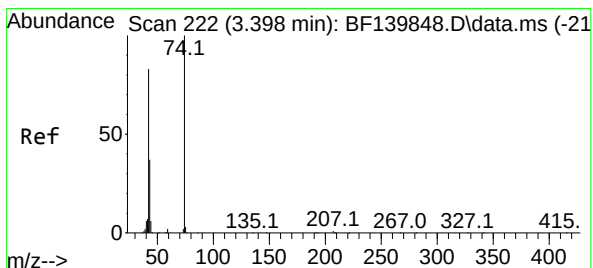
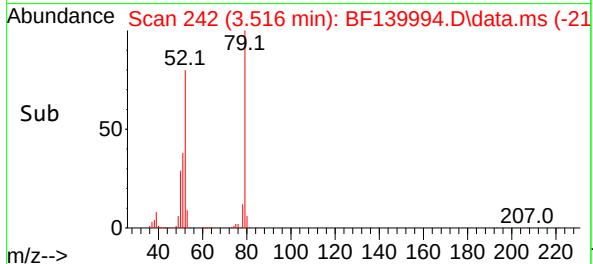
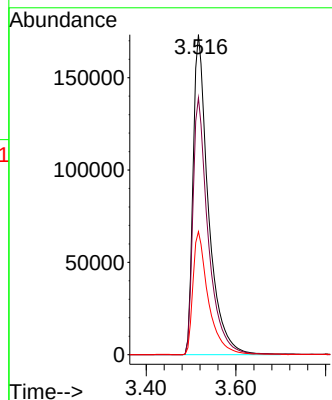
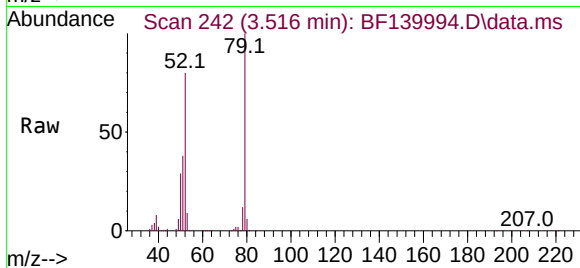
Tgt Ion: 79 Resp: 411484

Ion Ratio Lower Upper

79 100

52 80.2 68.5 102.7

51 38.4 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 41.185 ng

RT: 3.463 min Scan# 233

Delta R.T. 0.065 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

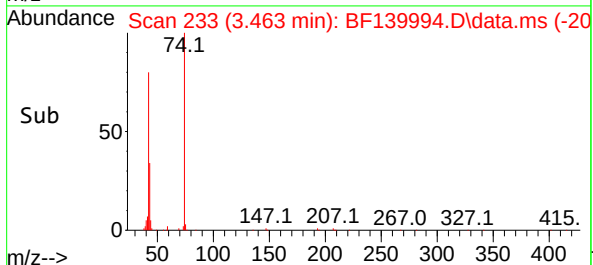
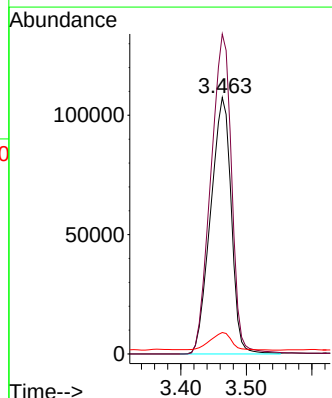
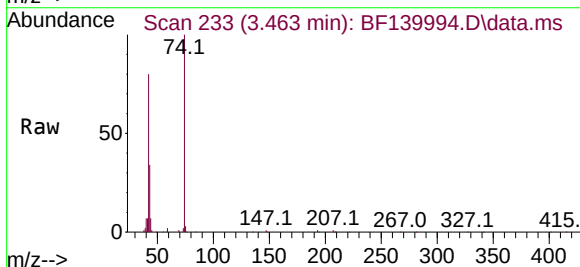
Tgt Ion: 42 Resp: 234738

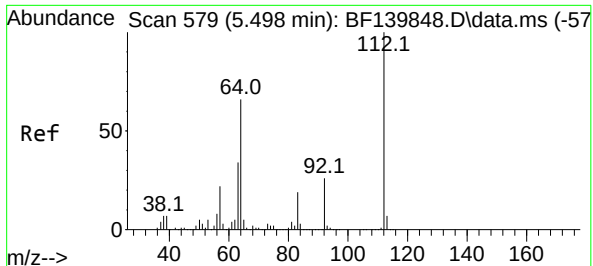
Ion Ratio Lower Upper

42 100

74 124.8 96.2 144.4

44 8.3 6.2 9.2

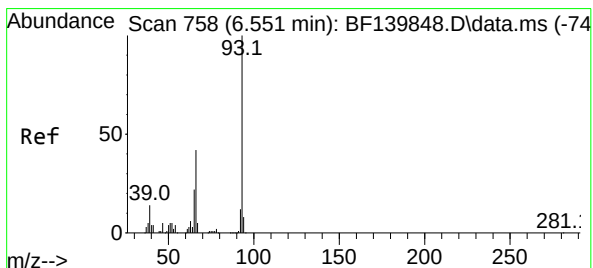
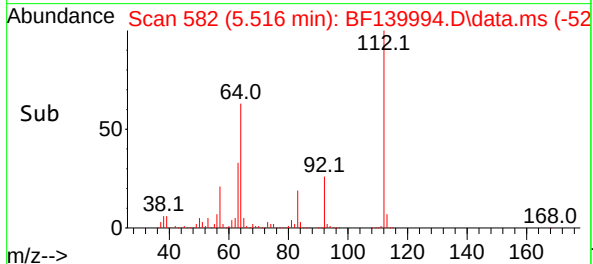
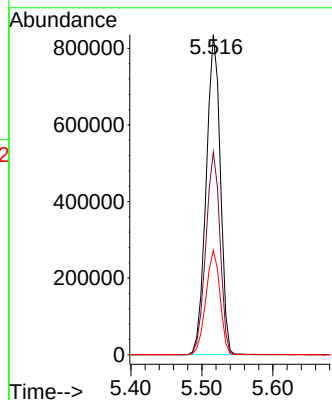
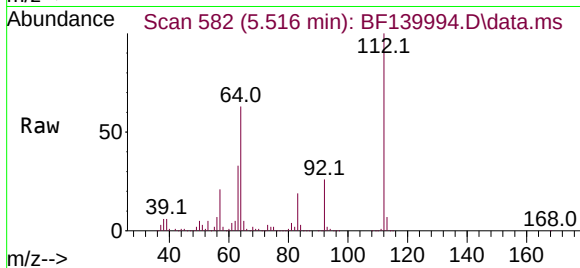




#5
2-Fluorophenol
Concen: 126.402 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

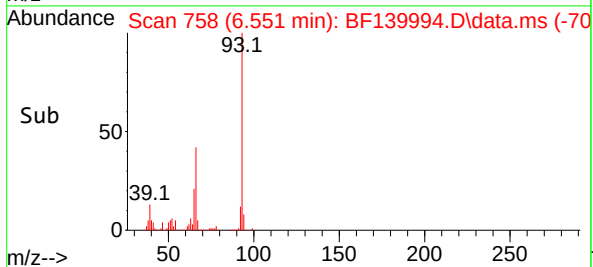
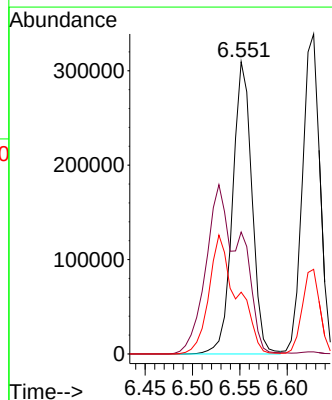
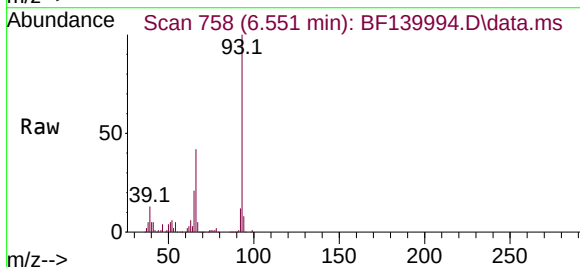
Instrument :
BNA_F
ClientSampleId :
PB164315BS

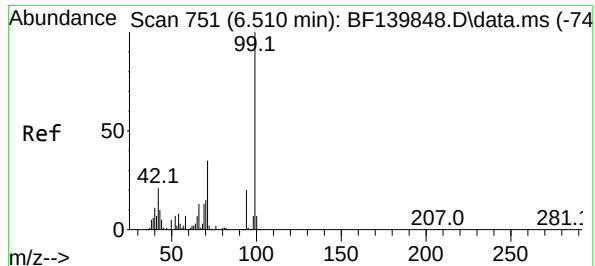
Tgt Ion:112 Resp: 1160292
Ion Ratio Lower Upper
112 100
64 63.4 53.0 79.6
63 32.6 27.0 40.4



#6
Aniline
Concen: 39.670 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion: 93 Resp: 439543
Ion Ratio Lower Upper
93 100
66 41.7 34.0 51.0
65 21.1 17.4 26.0

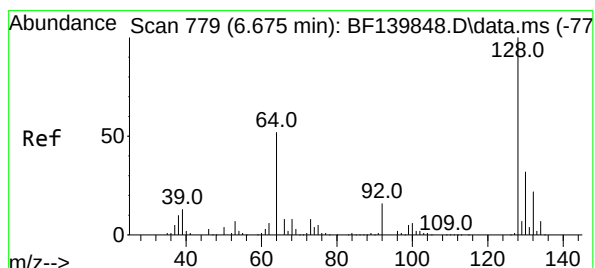
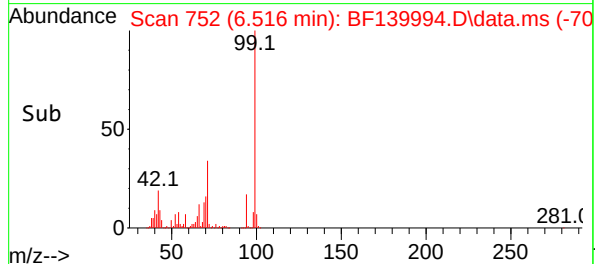
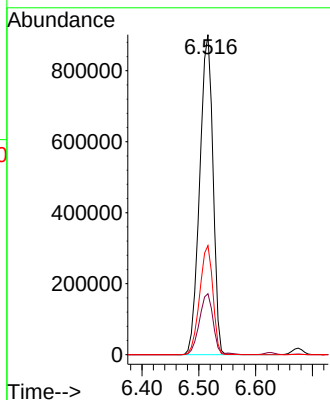
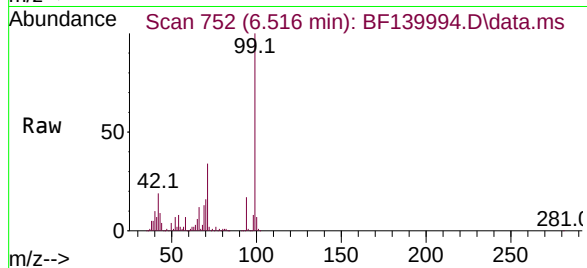




#7
Phenol-d6
Concen: 123.038 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

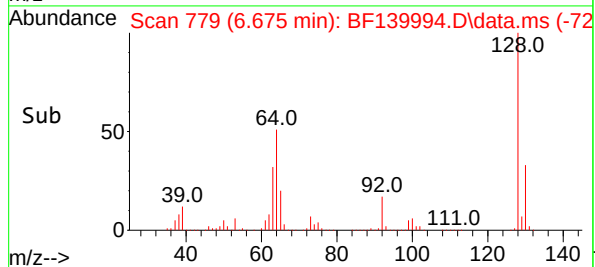
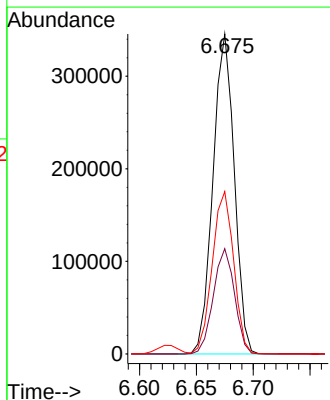
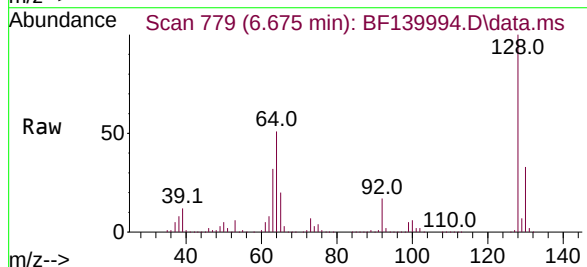
Instrument :
BNA_F
ClientSampleId :
PB164315BS

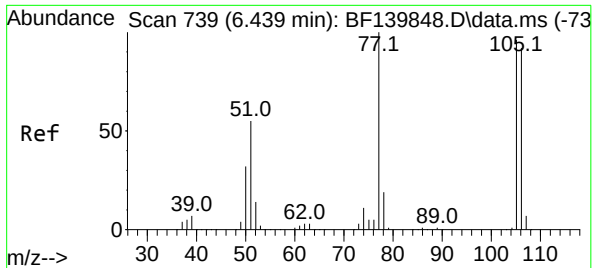
Tgt Ion: 99 Resp: 1462769
Ion Ratio Lower Upper
99 100
42 19.1 16.7 25.1
71 34.1 27.7 41.5



#8
2-Chlorophenol
Concen: 47.995 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion: 128 Resp: 450392
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 50.7 34.6 74.6





#9

Benzaldehyde

Concen: 16.087 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

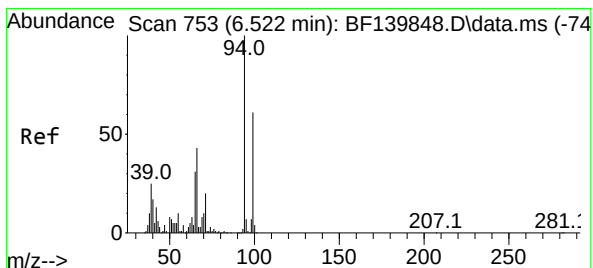
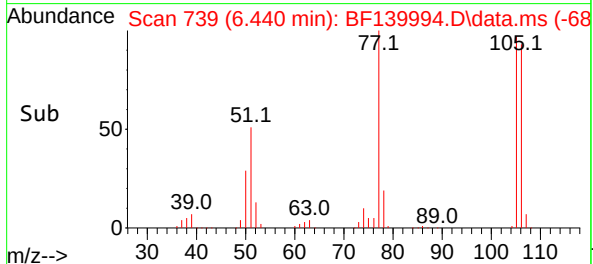
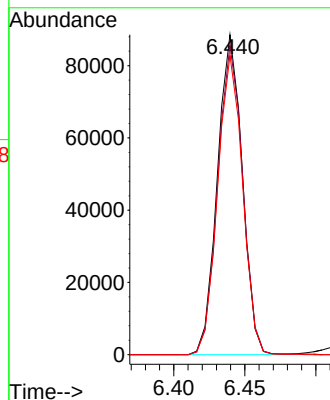
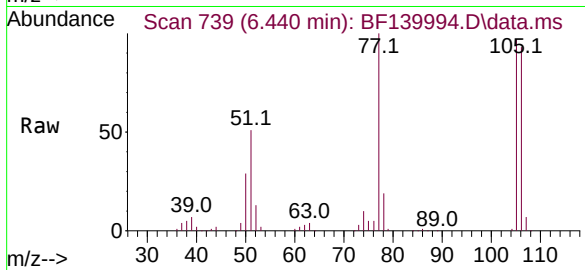
Tgt Ion: 77 Resp: 107591

Ion Ratio Lower Upper

77 100

105 96.7 75.5 115.5

106 93.5 71.7 111.7



#10

Phenol

Concen: 44.794 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

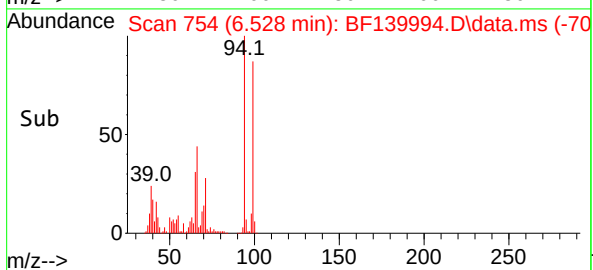
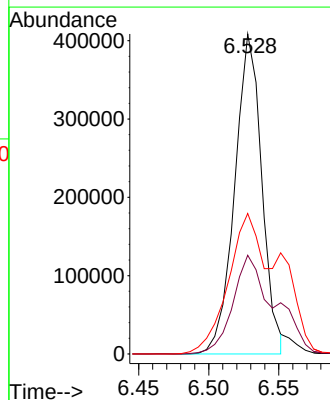
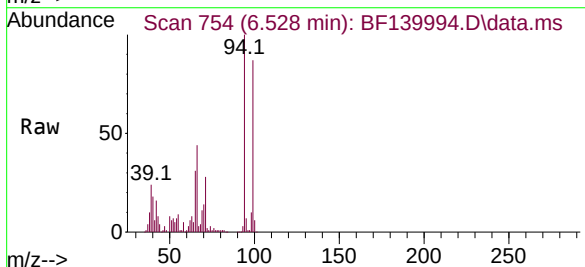
Tgt Ion: 94 Resp: 549026

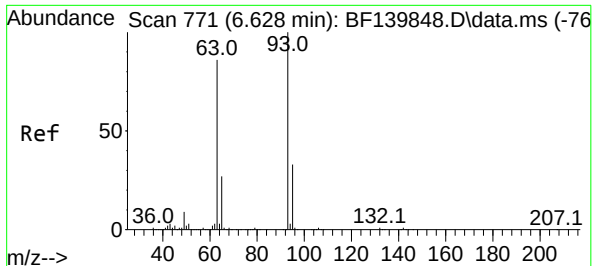
Ion Ratio Lower Upper

94 100

65 30.8 11.1 51.1

66 43.9 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 45.402 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

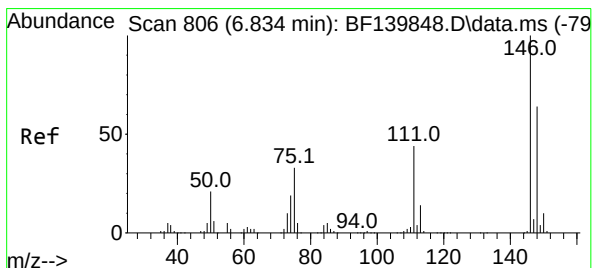
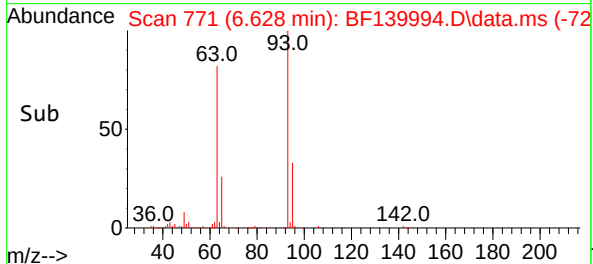
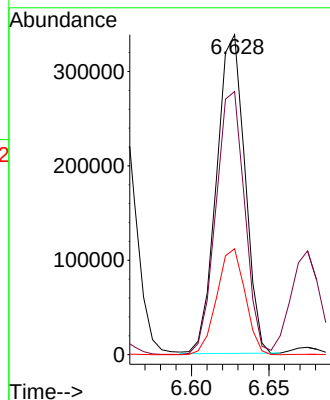
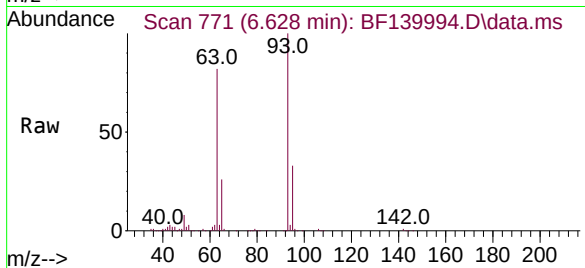
Tgt Ion: 93 Resp: 430120

Ion Ratio Lower Upper

93 100

63 82.2 65.0 105.0

95 33.1 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 44.243 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

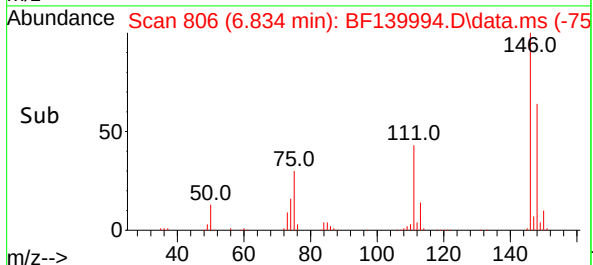
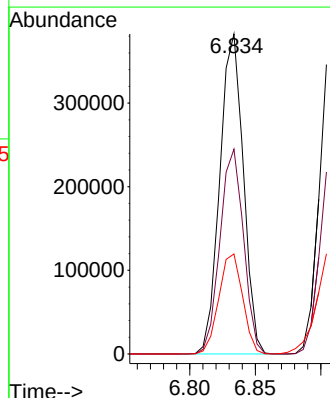
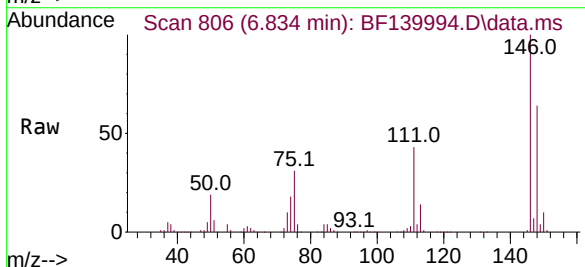
Tgt Ion: 146 Resp: 476596

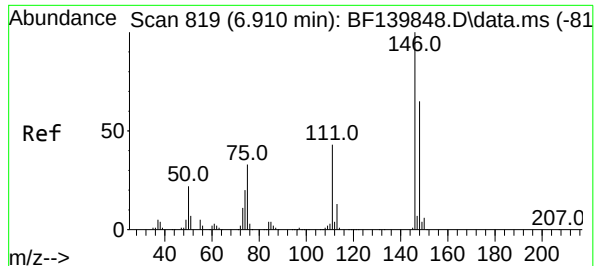
Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.4

75 31.3 26.4 39.6

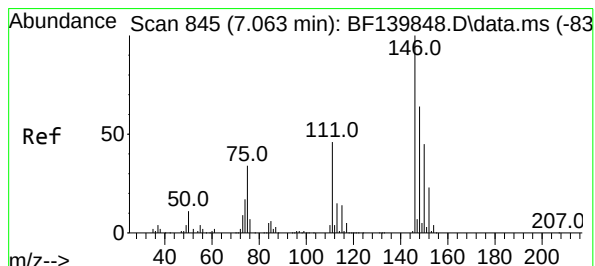
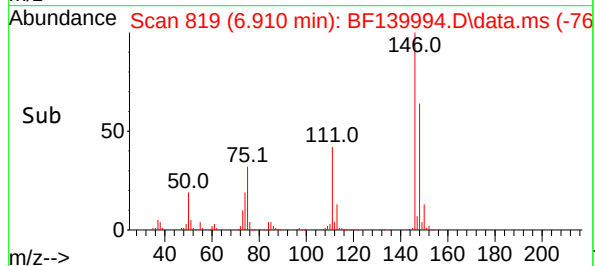
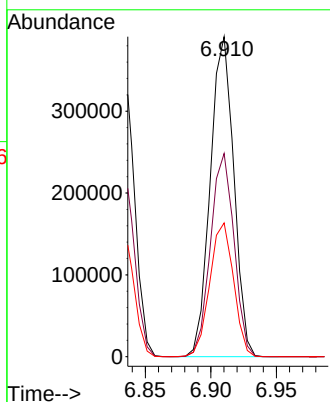
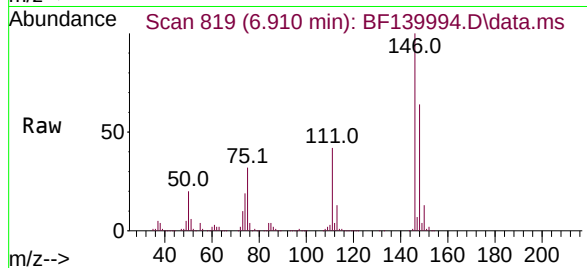




#13
1,4-Dichlorobenzene
Concen: 45.290 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

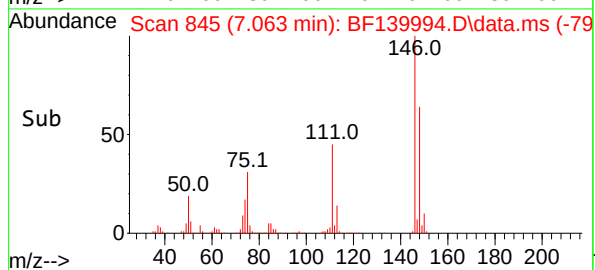
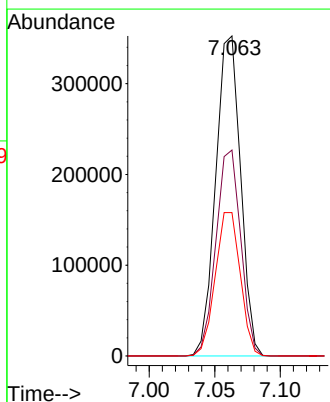
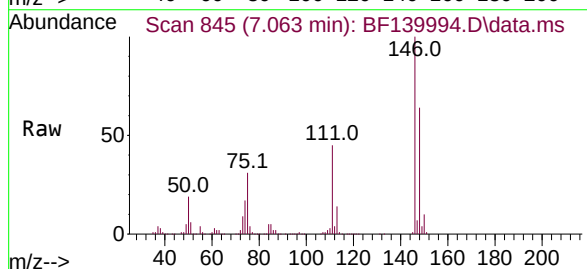
Instrument :
BNA_F
ClientSampleId :
PB164315BS

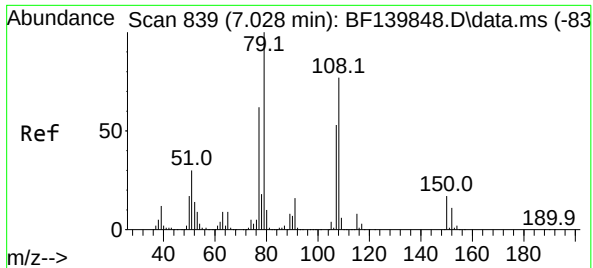
Tgt Ion:146 Resp: 487421
Ion Ratio Lower Upper
146 100
148 63.5 51.8 77.8
111 41.8 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 46.296 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:146 Resp: 465007
Ion Ratio Lower Upper
146 100
148 64.4 51.4 77.2
111 44.8 36.7 55.1





#15

Benzyl Alcohol

Concen: 46.338 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

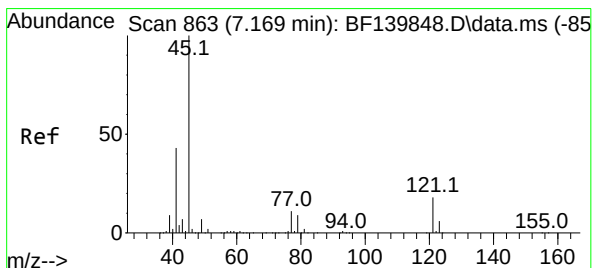
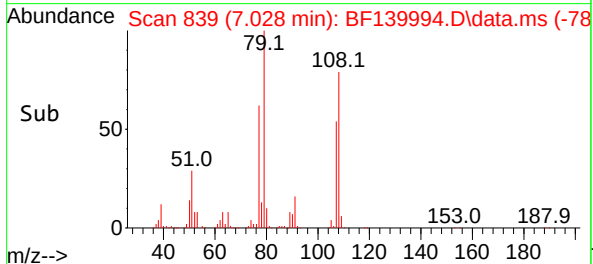
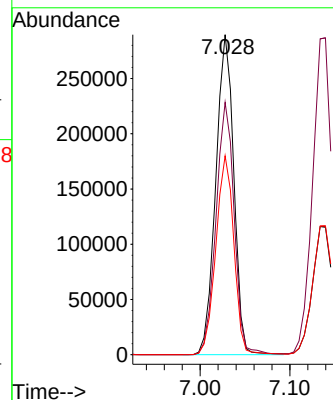
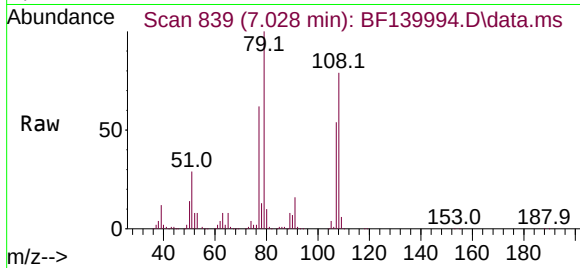
Tgt Ion: 79 Resp: 404111

Ion Ratio Lower Upper

79 100

108 78.8 61.4 92.0

77 62.1 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.860 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

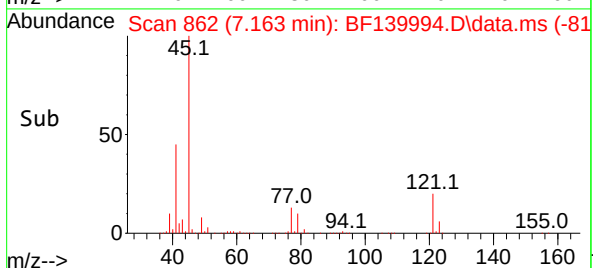
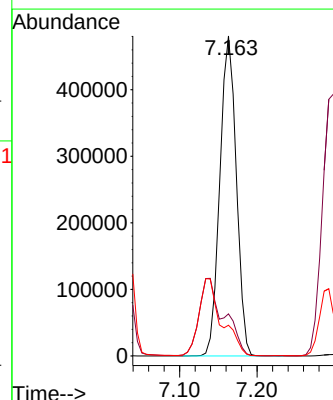
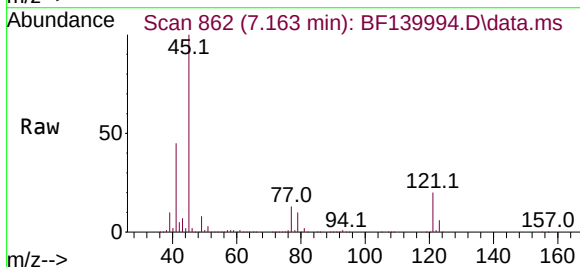
Tgt Ion: 45 Resp: 708497

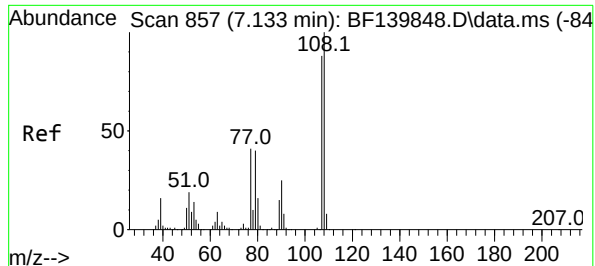
Ion Ratio Lower Upper

45 100

77 13.2 0.0 31.5

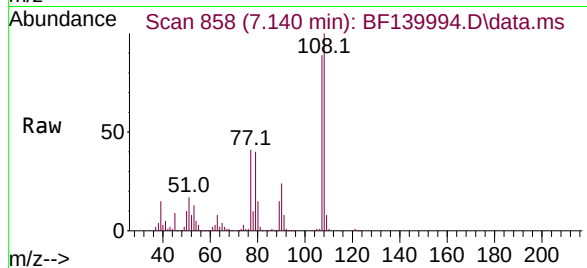
79 9.6 0.0 29.1



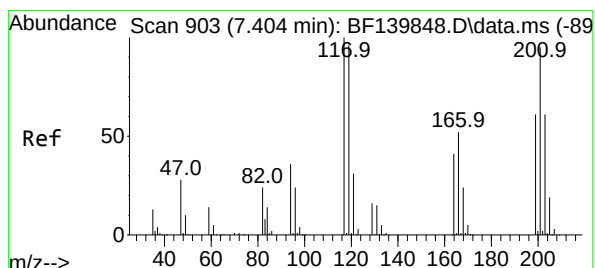
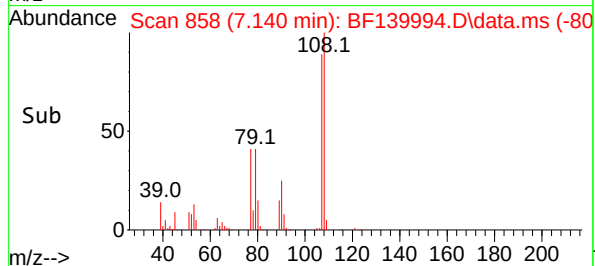
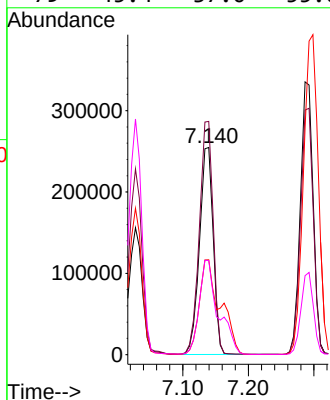


#17
2-Methylphenol
Concen: 46.592 ng
RT: 7.140 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Instrument :
BNA_F
ClientSampleId :
PB164315BS

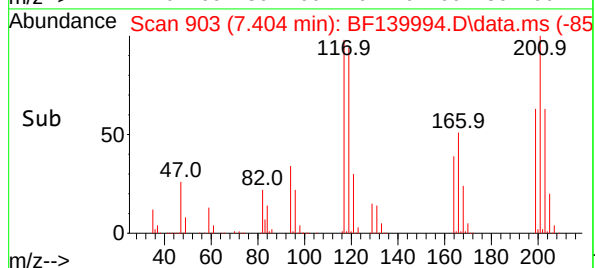
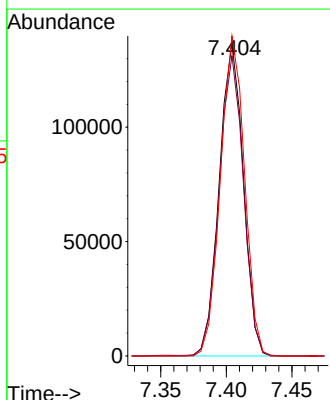
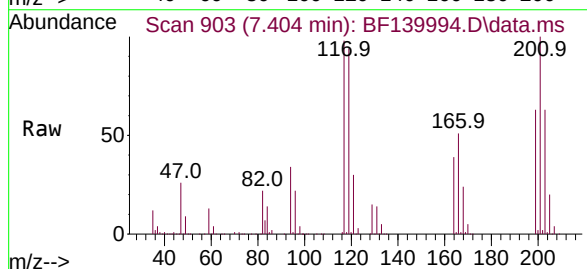


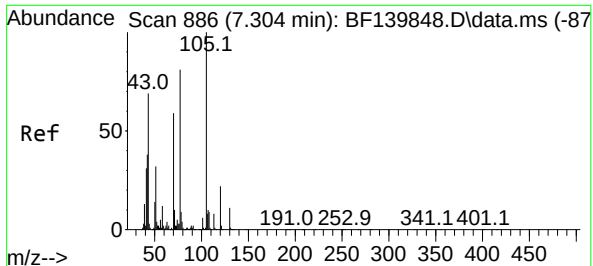
Tgt Ion:107 Resp: 372824
Ion Ratio Lower Upper
107 100
108 112.6 91.3 136.9
77 45.8 37.1 55.7
79 45.4 37.0 55.6



#18
Hexachloroethane
Concen: 45.471 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:117 Resp: 174507
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
201 102.3 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 44.991 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

Tgt Ion: 70 Resp: 324409

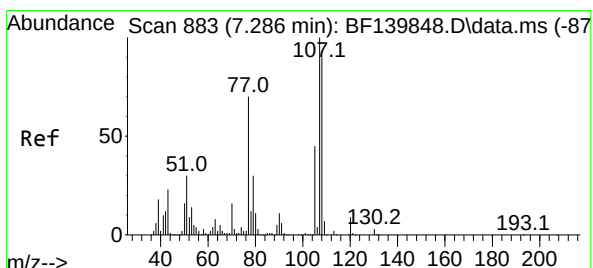
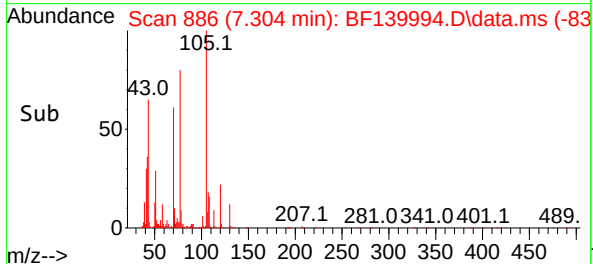
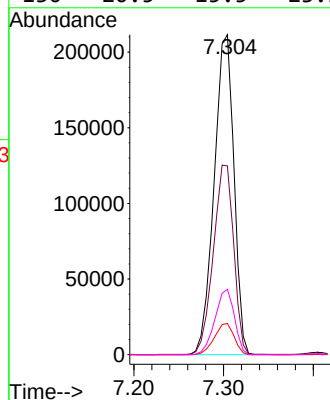
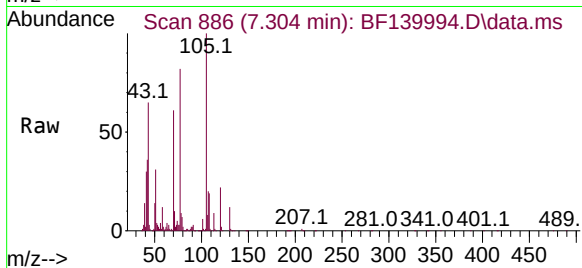
Ion Ratio Lower Upper

70 100

42 59.0 51.5 77.3

101 9.7 7.5 11.3

130 20.5 15.5 23.3



#20

3+4-Methylphenols

Concen: 44.196 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Tgt Ion: 107 Resp: 452339

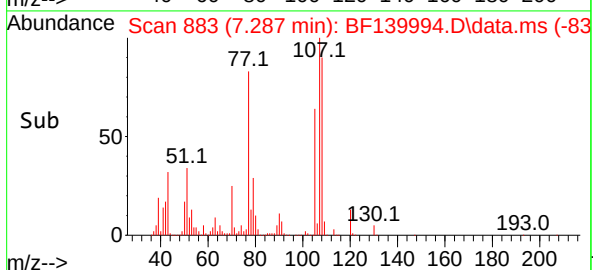
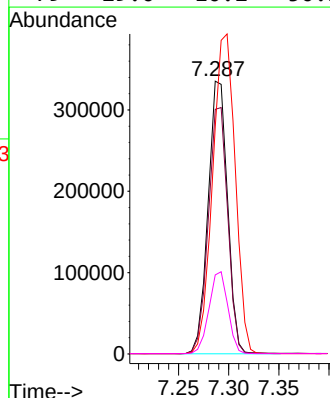
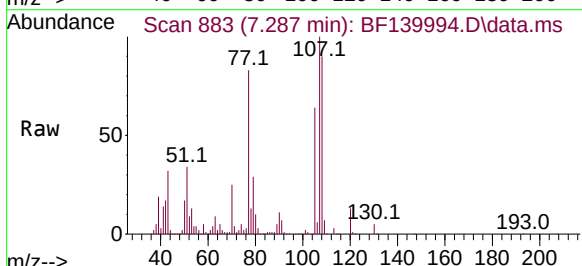
Ion Ratio Lower Upper

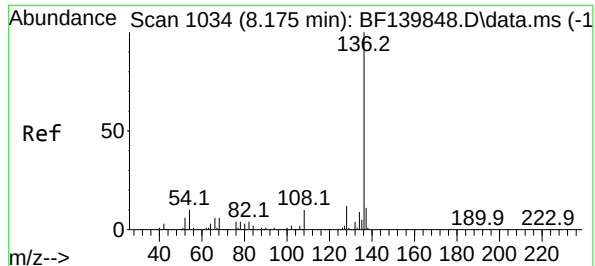
107 100

108 89.7 69.8 109.8

77 83.2 50.5 90.5

79 29.0 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

Tgt Ion:136 Resp: 566601

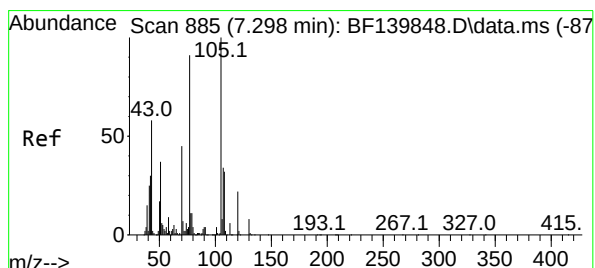
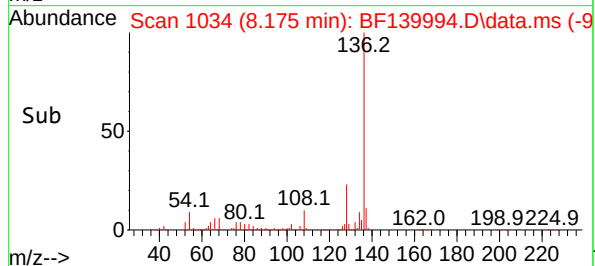
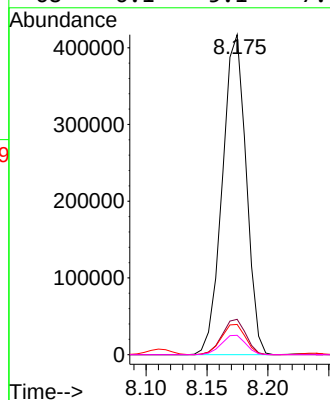
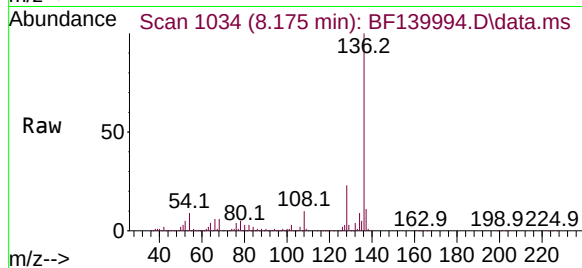
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 9.4 8.4 12.6

68 6.1 5.1 7.7



#22

Acetophenone

Concen: 43.730 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Tgt Ion:105 Resp: 606884

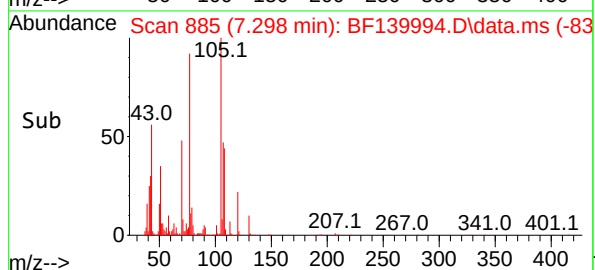
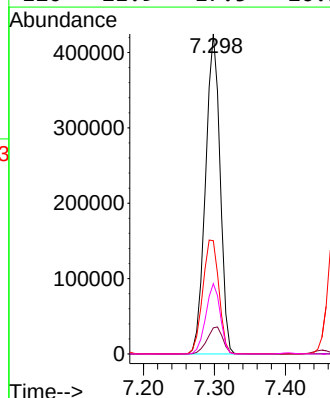
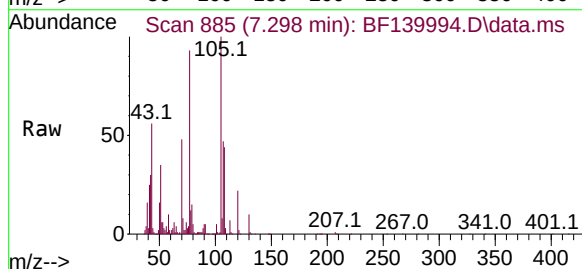
Ion Ratio Lower Upper

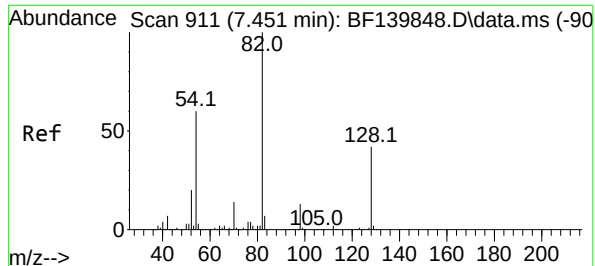
105 100

71 8.2 5.9 8.9

51 35.4 29.4 44.2

120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 93.405 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

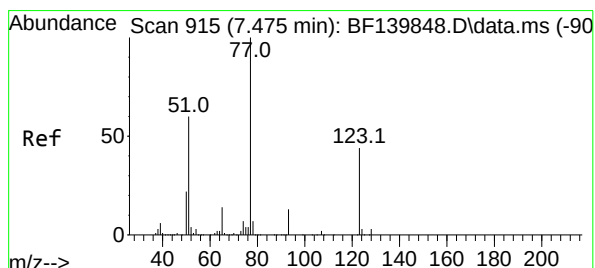
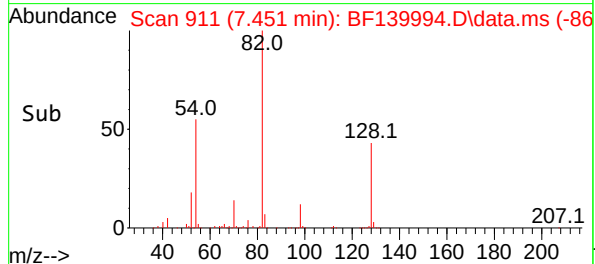
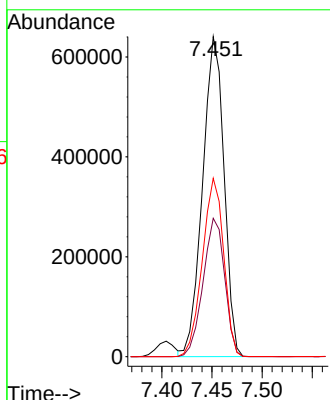
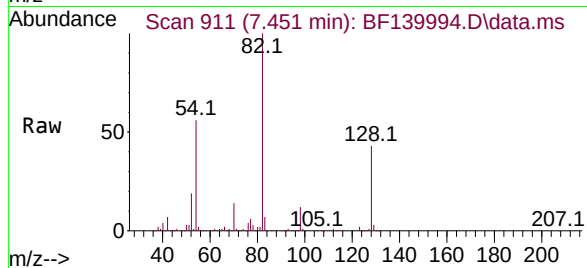
Tgt Ion: 82 Resp: 954892

Ion Ratio Lower Upper

82 100

128 43.3 33.4 50.0

54 55.7 47.8 71.8



#24

Nitrobenzene

Concen: 43.649 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

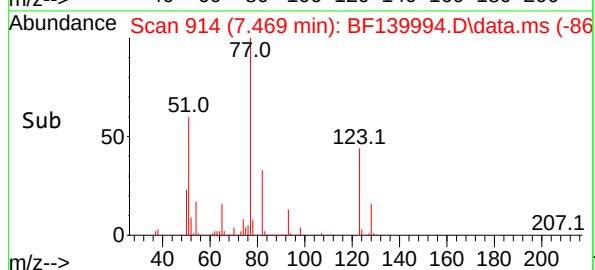
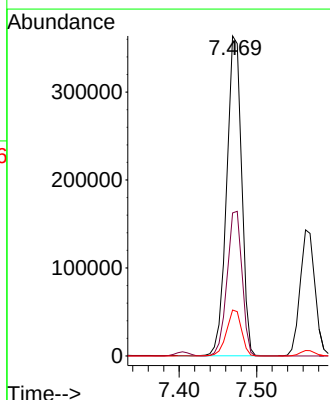
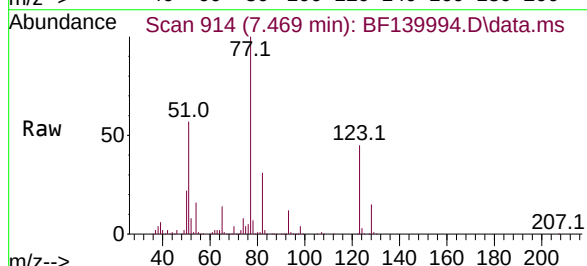
Tgt Ion: 77 Resp: 489244

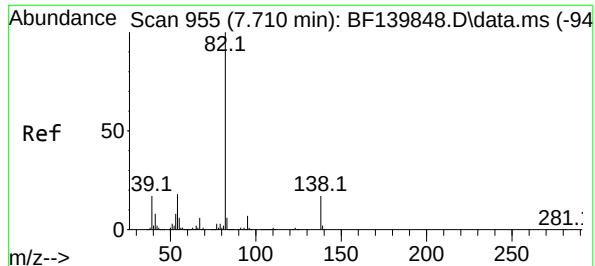
Ion Ratio Lower Upper

77 100

123 44.7 35.7 53.5

65 14.4 11.5 17.3

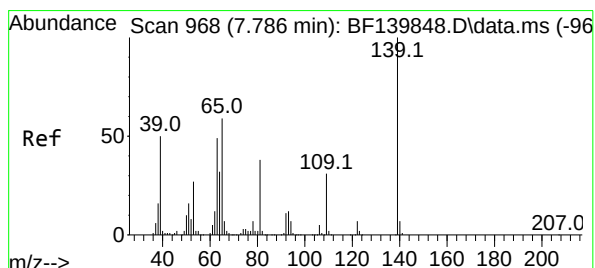
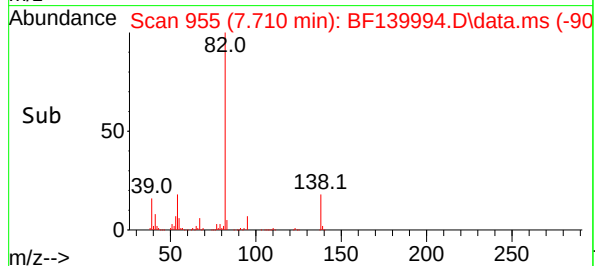
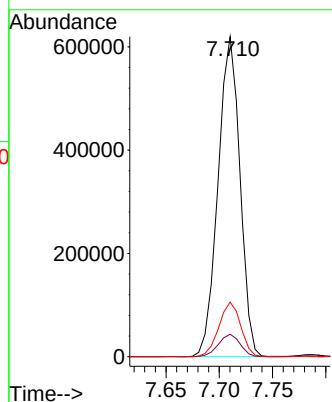
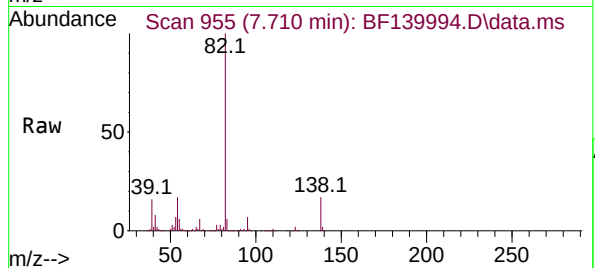




#25
Isophorone
Concen: 45.589 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

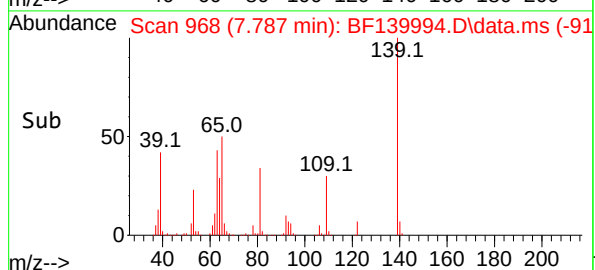
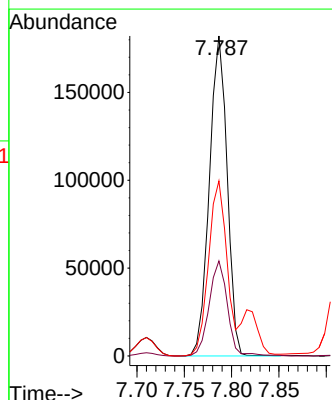
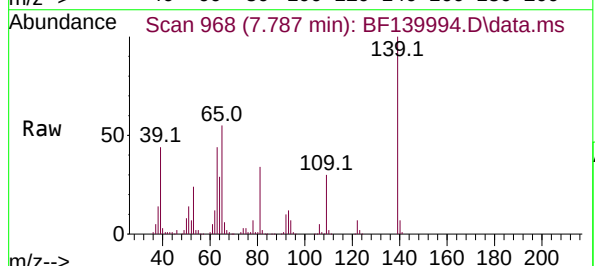
Instrument :
BNA_F
ClientSampleId :
PB164315BS

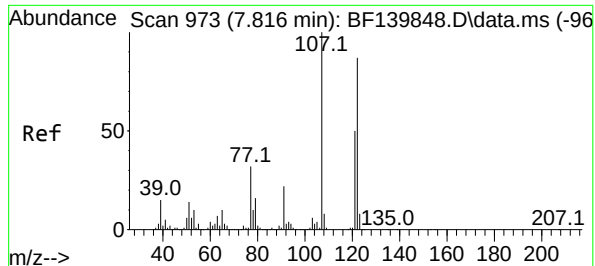
Tgt Ion: 82 Resp: 884582
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.0 13.2 19.8



#26
2-Nitrophenol
Concen: 56.009 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:139 Resp: 236831
Ion Ratio Lower Upper
139 100
109 29.7 25.1 37.7
65 54.7 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 52.731 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

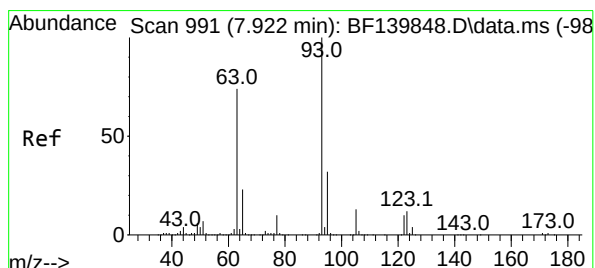
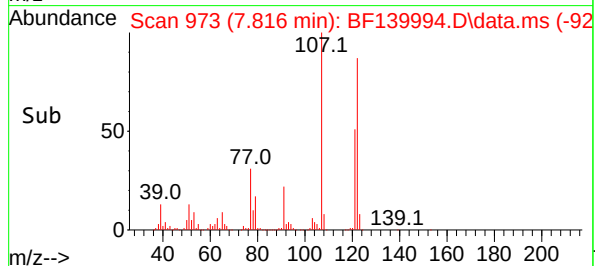
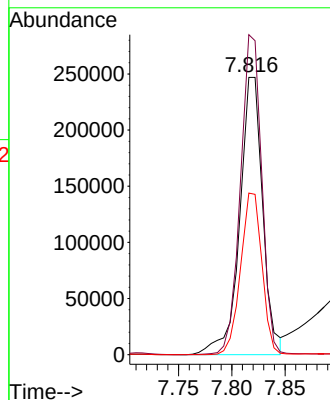
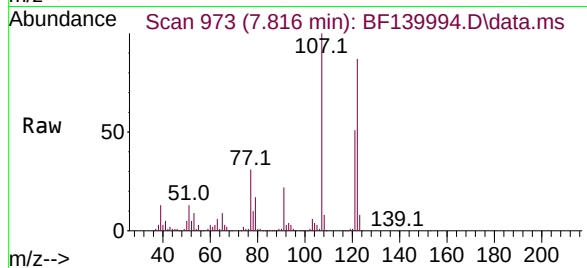
Tgt Ion:122 Resp: 371793

Ion Ratio Lower Upper

122 100

107 115.4 91.9 137.9

121 58.3 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 45.268 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

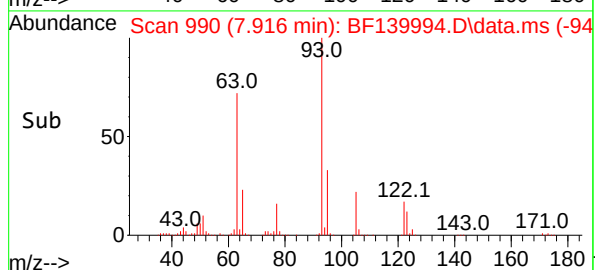
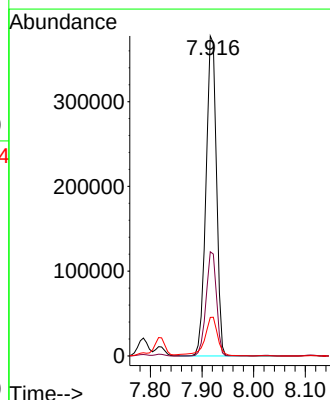
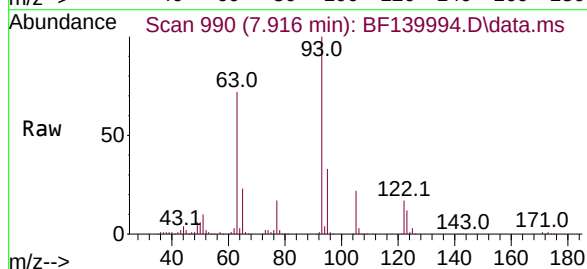
Tgt Ion: 93 Resp: 532172

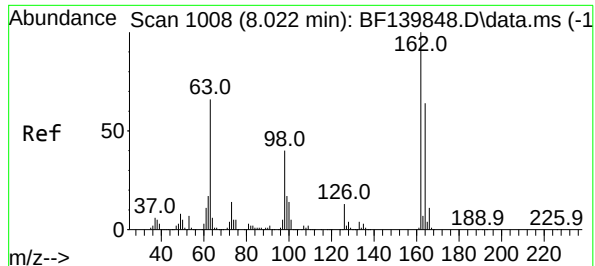
Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

123 12.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 46.160 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

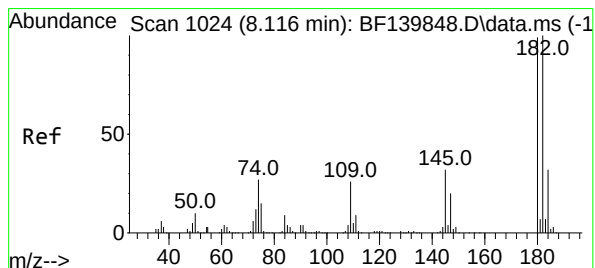
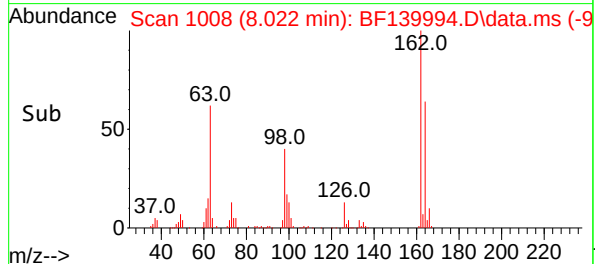
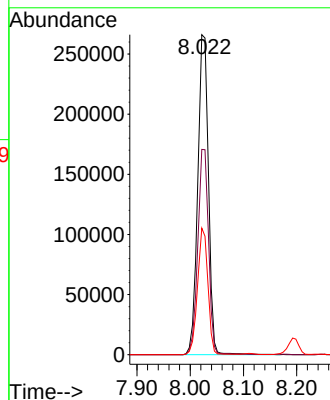
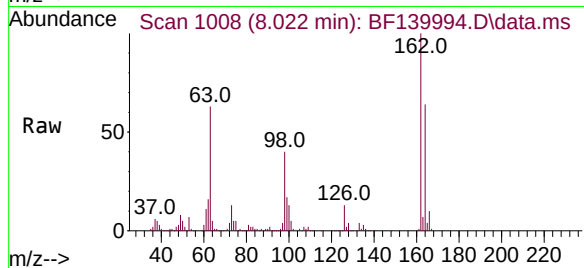
Tgt Ion:162 Resp: 370712

Ion Ratio Lower Upper

162 100

164 64.2 43.9 83.9

98 39.5 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 44.285 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

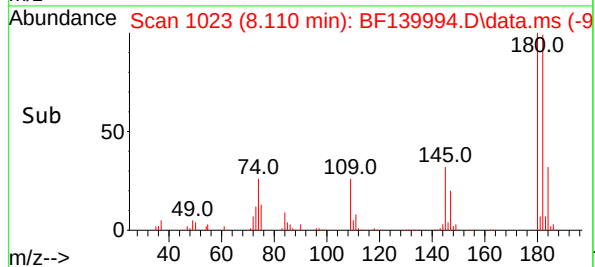
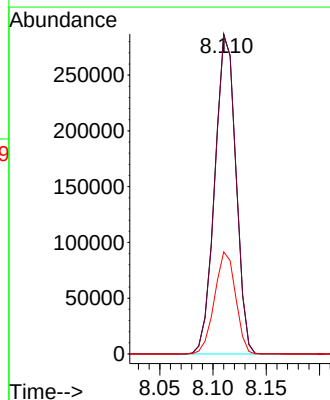
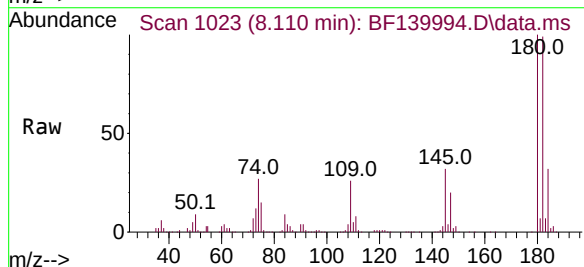
Tgt Ion:180 Resp: 393537

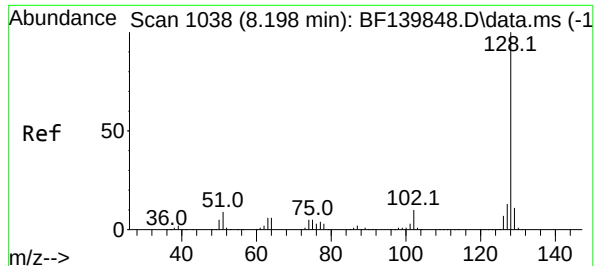
Ion Ratio Lower Upper

180 100

182 99.5 80.5 120.7

145 31.9 25.4 38.0





#31

Naphthalene

Concen: 44.444 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

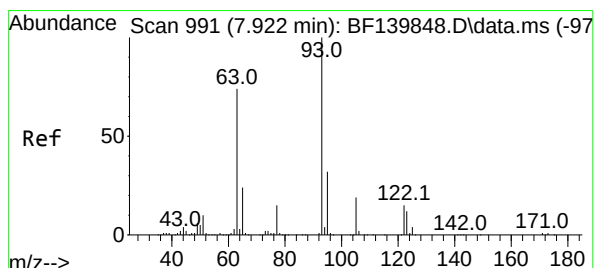
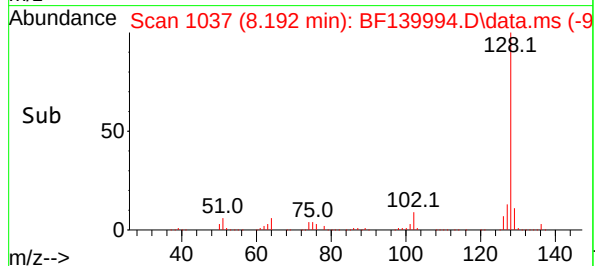
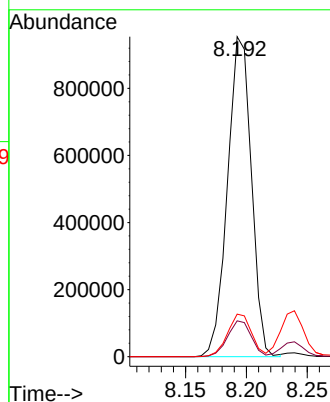
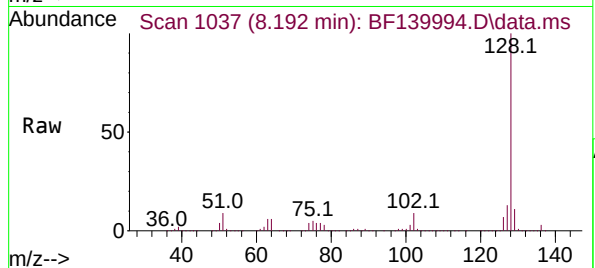
Tgt Ion:128 Resp: 1298729

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 48.029 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.012 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

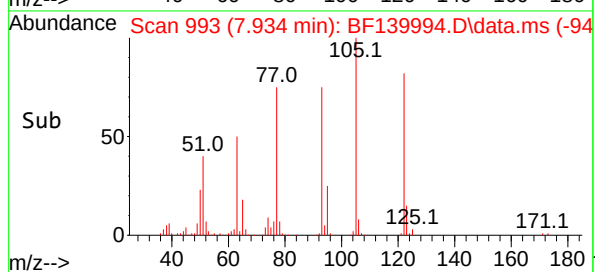
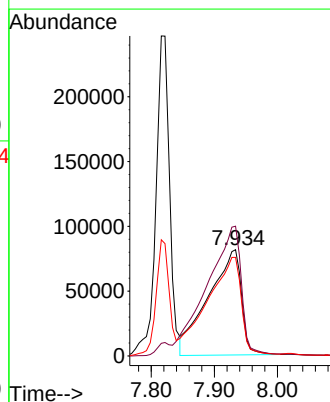
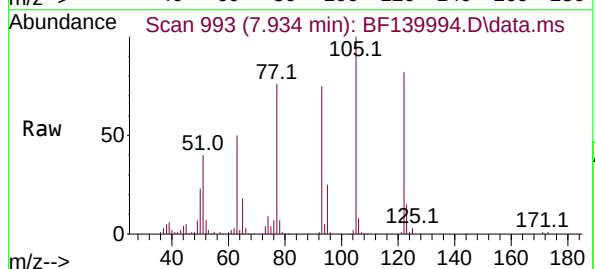
Tgt Ion:122 Resp: 295362

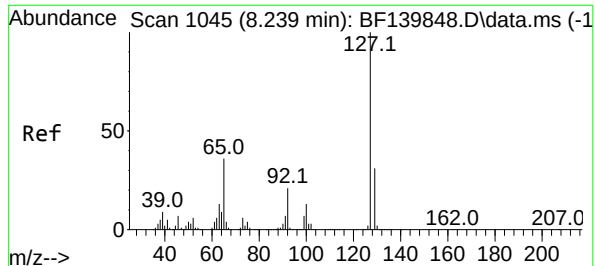
Ion Ratio Lower Upper

122 100

105 122.2 107.6 147.6

77 92.8 80.2 120.2





#33

4-Chloroaniline

Concen: 19.268 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

Tgt Ion:127 Resp: 191995

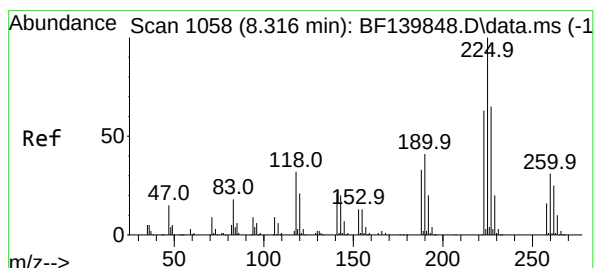
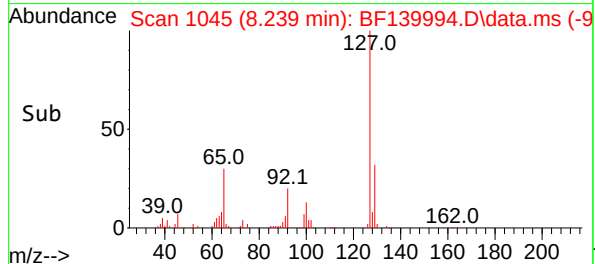
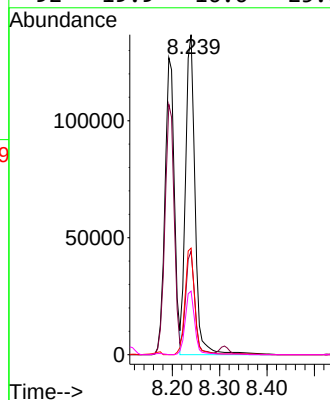
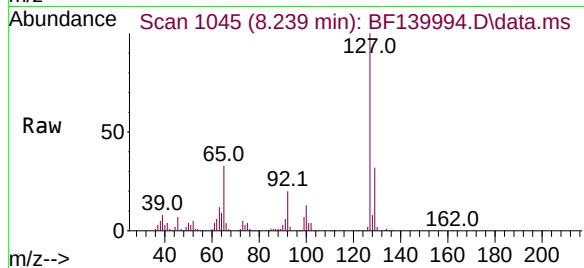
Ion Ratio Lower Upper

127 100

129 32.3 25.4 38.2

65 33.3 28.4 42.6

92 19.9 16.6 25.0



#34

Hexachlorobutadiene

Concen: 45.291 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

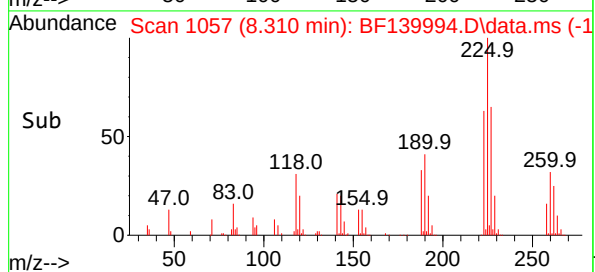
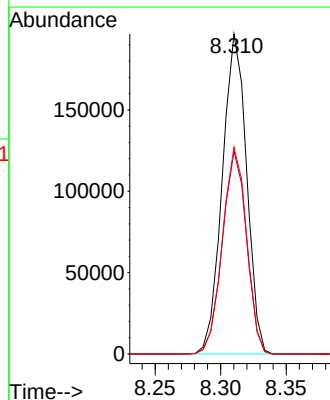
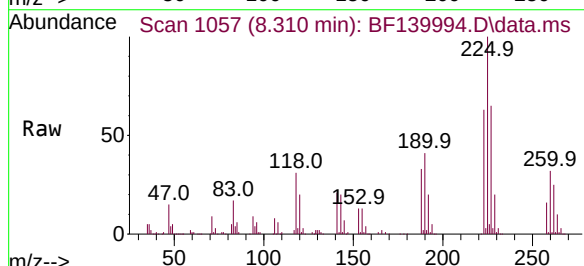
Tgt Ion:225 Resp: 252882

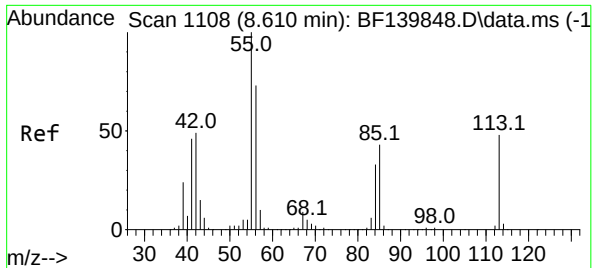
Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

227 64.5 51.8 77.8





#35

Caprolactam

Concen: 47.281 ng m

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

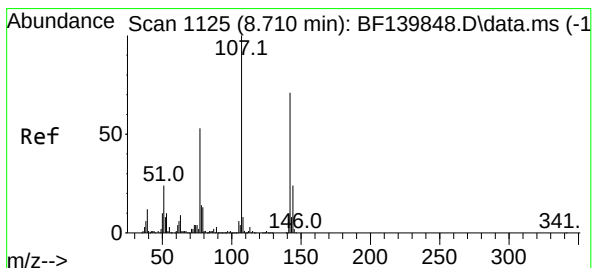
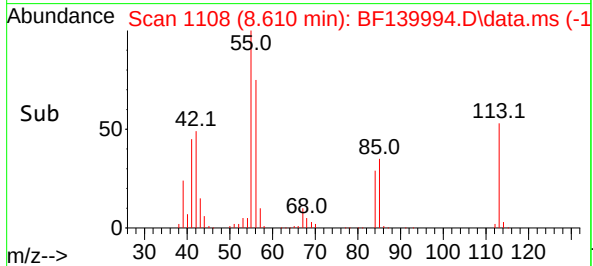
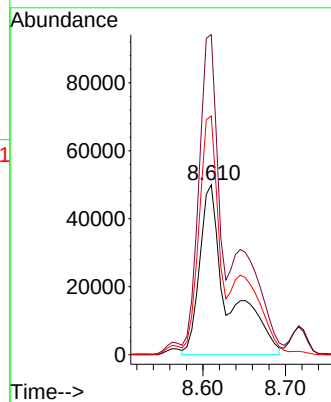
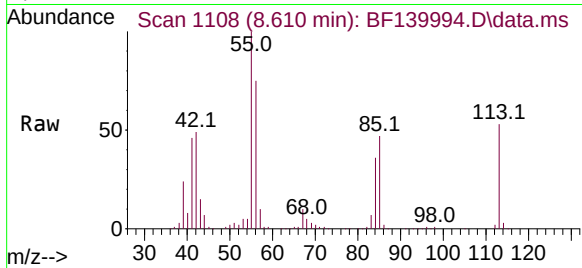
Tgt Ion:113 Resp: 120736

Ion Ratio Lower Upper

113 100

55 188.6 189.2 229.2#

56 140.7 132.5 172.5



#36

4-Chloro-3-methylphenol

Concen: 45.345 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

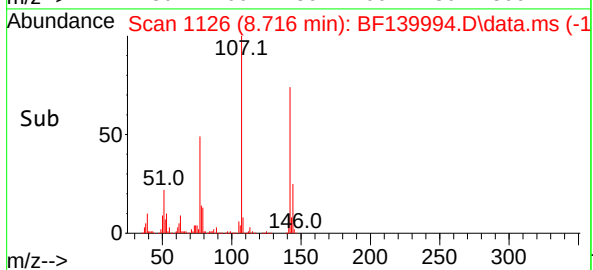
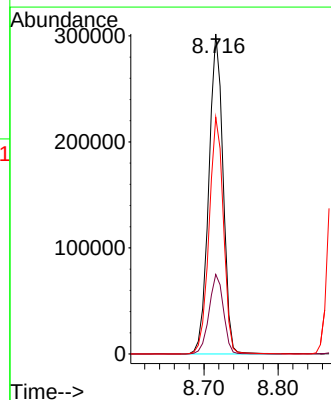
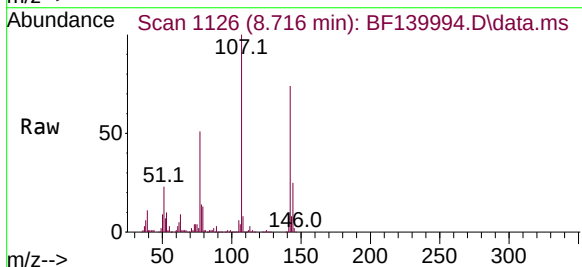
Tgt Ion:107 Resp: 403239

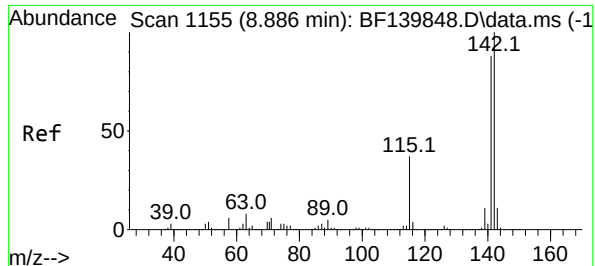
Ion Ratio Lower Upper

107 100

144 24.9 19.1 28.7

142 74.0 57.2 85.8





#37

2-Methylnaphthalene

Concen: 46.002 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

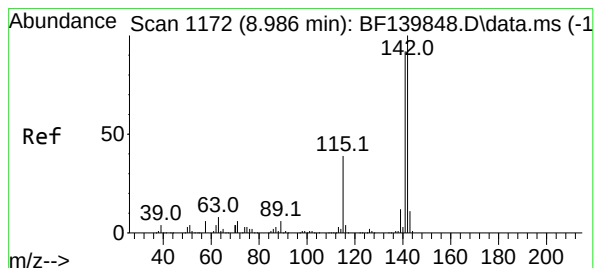
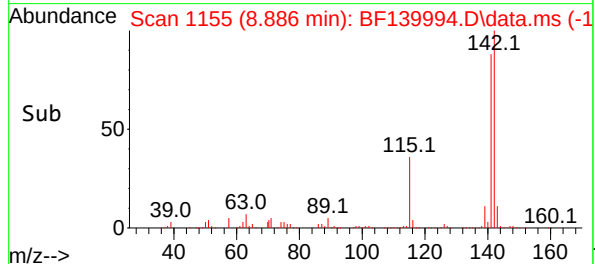
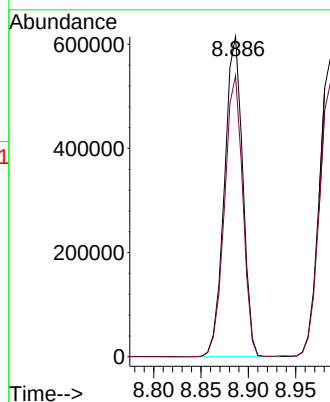
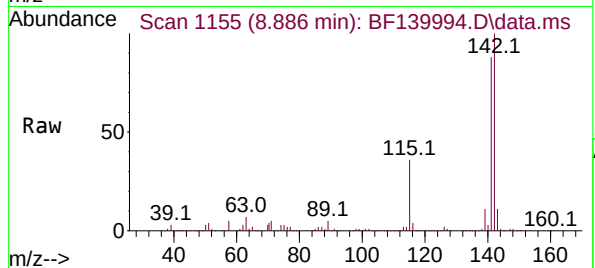
PB164315BS

Tgt Ion:142 Resp: 823280

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2



#38

1-Methylnaphthalene

Concen: 43.306 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139994.D

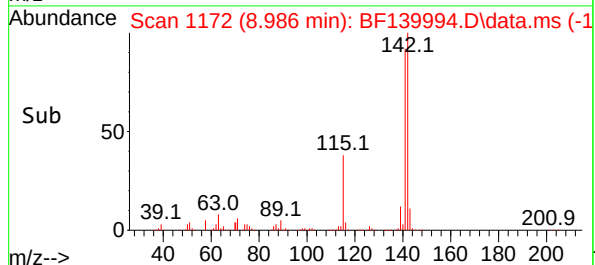
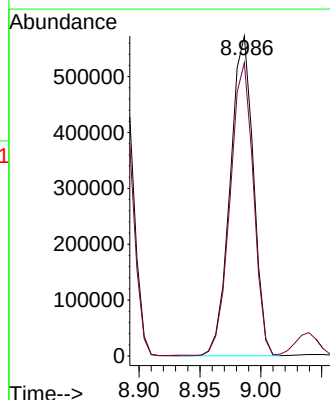
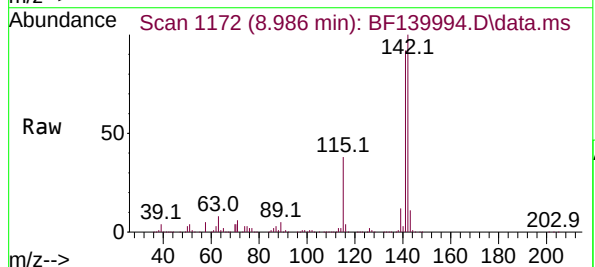
Acq: 24 Oct 2024 11:49

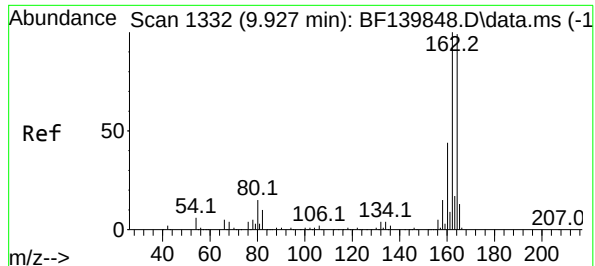
Tgt Ion:142 Resp: 760399

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

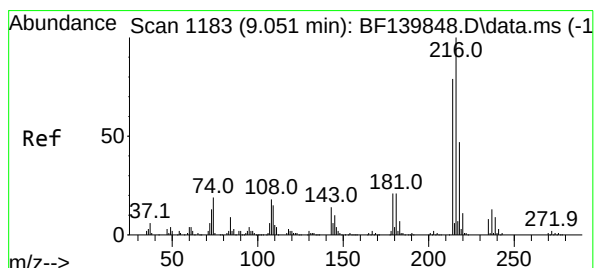
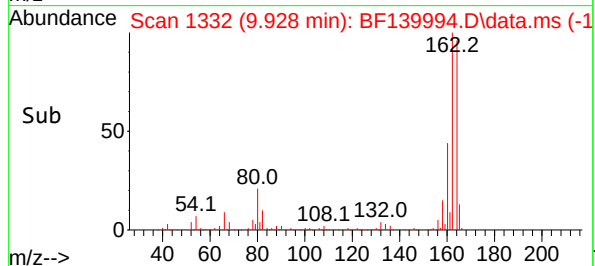
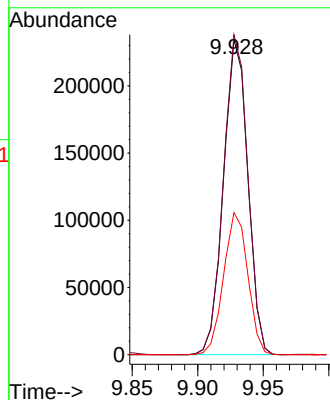
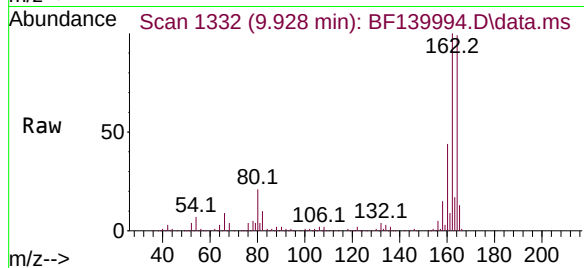
Tgt Ion:164 Resp: 302186

Ion Ratio Lower Upper

164 100

162 101.5 81.0 121.4

160 45.1 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.656 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Tgt Ion:216 Resp: 388519

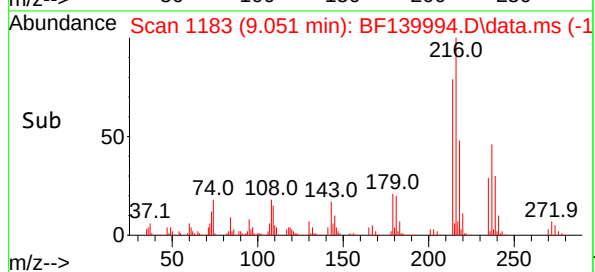
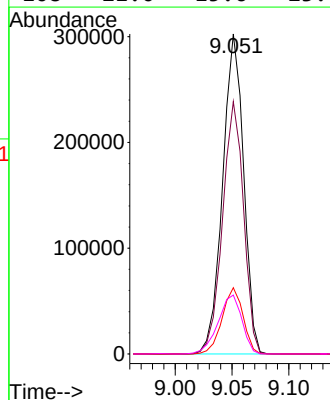
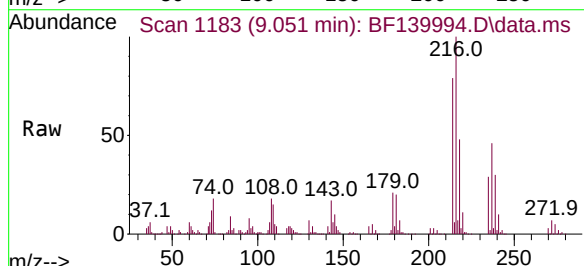
Ion Ratio Lower Upper

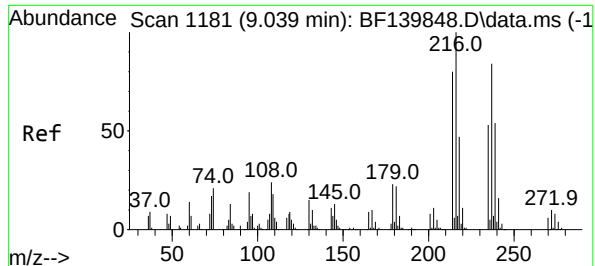
216 100

214 78.9 63.4 95.0

179 20.7 17.2 25.8

108 21.0 15.6 23.4

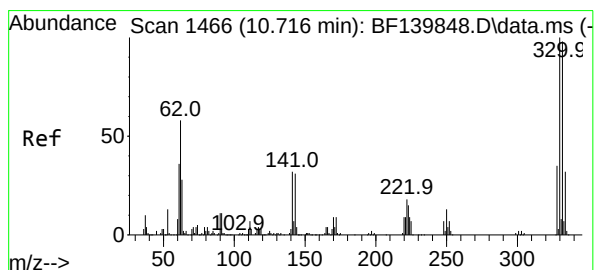
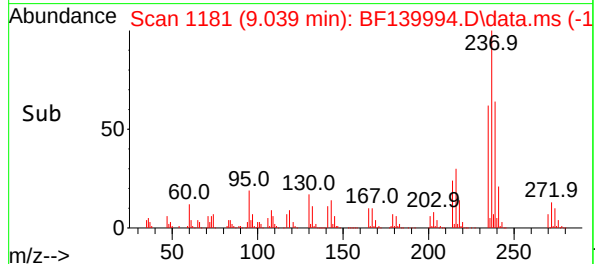
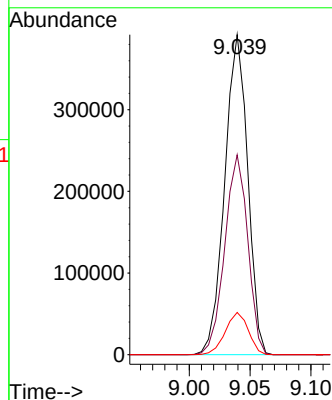
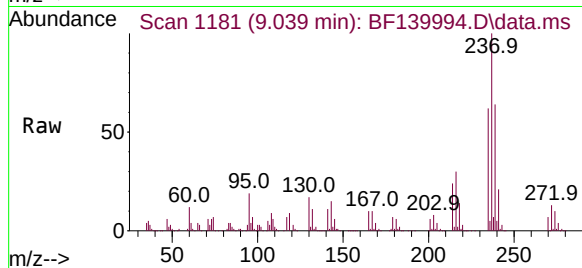




#41
Hexachlorocyclopentadiene
Concen: 181.387 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

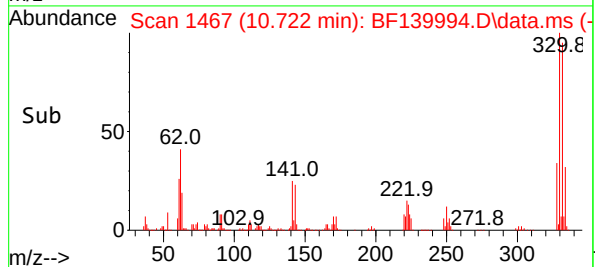
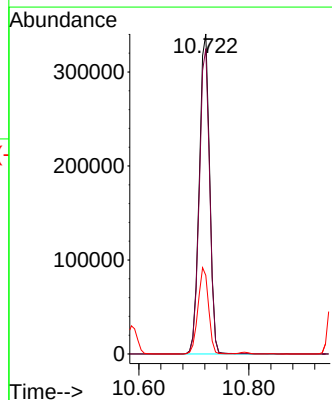
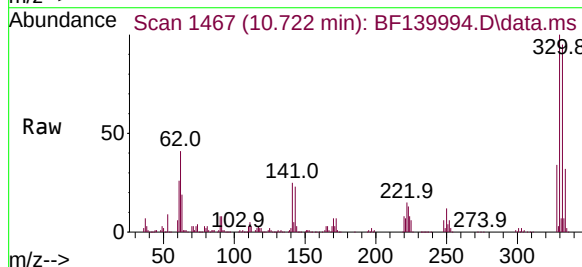
Instrument :
BNA_F
ClientSampleId :
PB164315BS

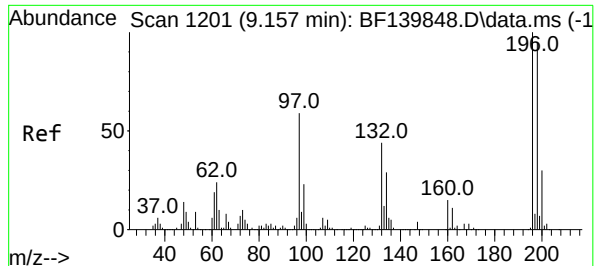
Tgt Ion:237 Resp: 514537
Ion Ratio Lower Upper
237 100
235 62.5 42.9 82.9
272 13.2 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 158.054 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:330 Resp: 446749
Ion Ratio Lower Upper
330 100
332 95.2 78.1 117.1
141 27.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 50.913 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

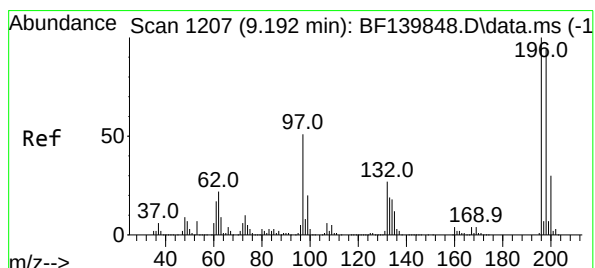
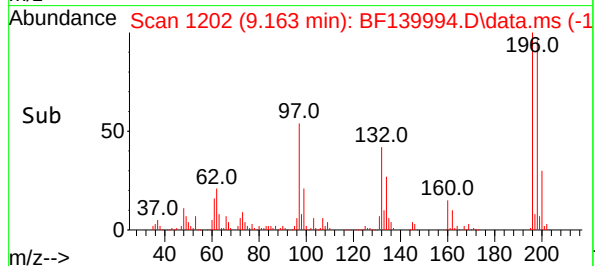
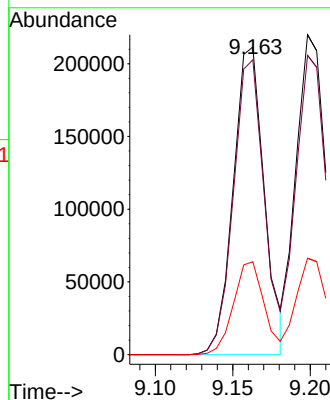
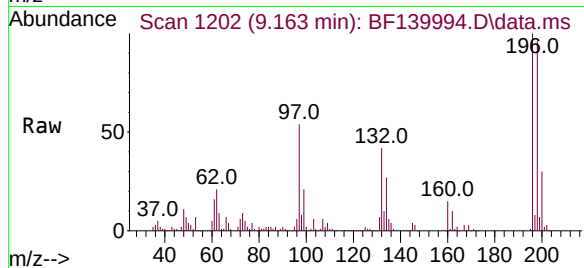
Tgt Ion:196 Resp: 293862

Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

200 30.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 49.705 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Tgt Ion:196 Resp: 295995

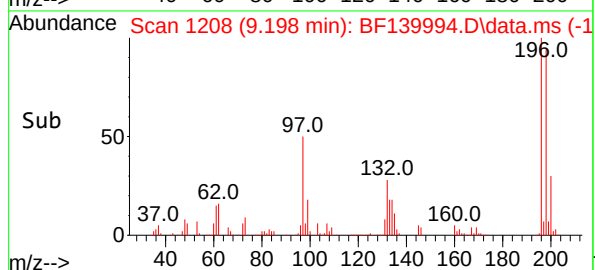
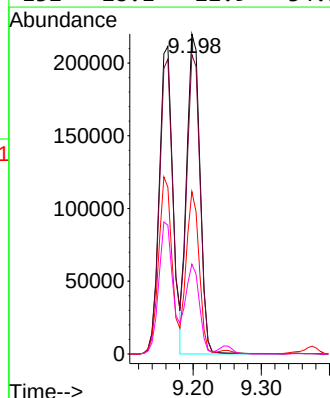
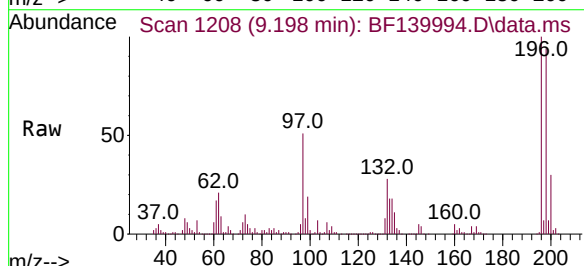
Ion Ratio Lower Upper

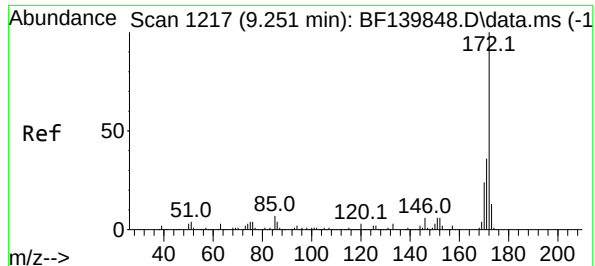
196 100

198 93.6 75.8 113.6

97 50.8 41.8 62.6

132 28.1 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 93.386 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

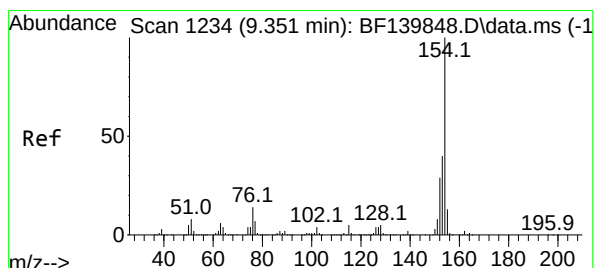
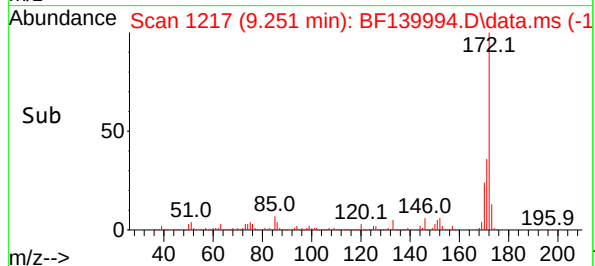
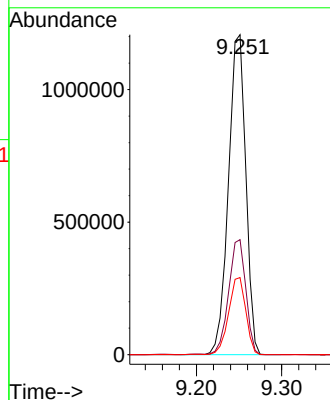
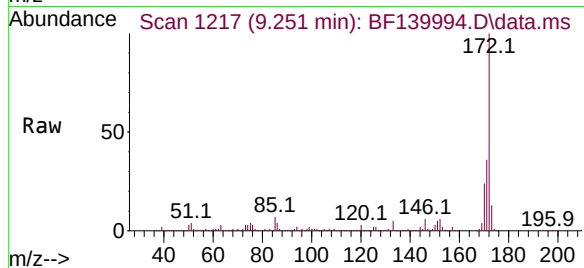
Tgt Ion:172 Resp: 1707500

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 24.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 47.093 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

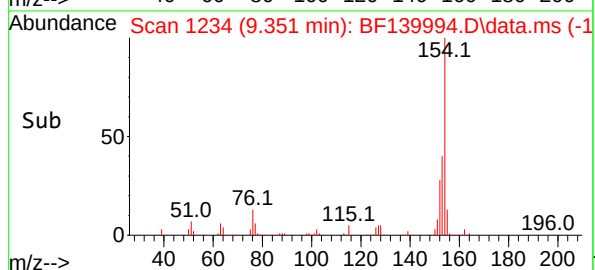
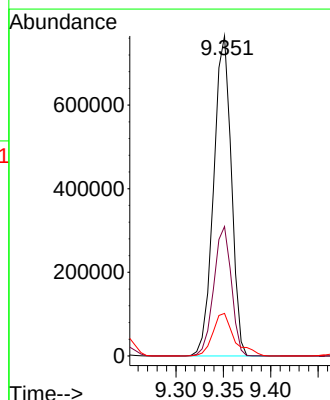
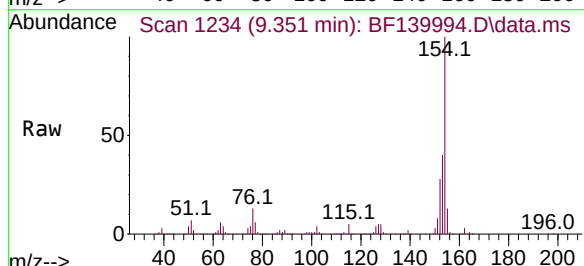
Tgt Ion:154 Resp: 990678

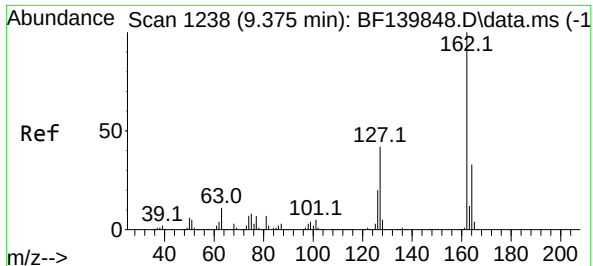
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 13.3 0.0 33.9





#47

2-Chloronaphthalene

Concen: 46.602 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

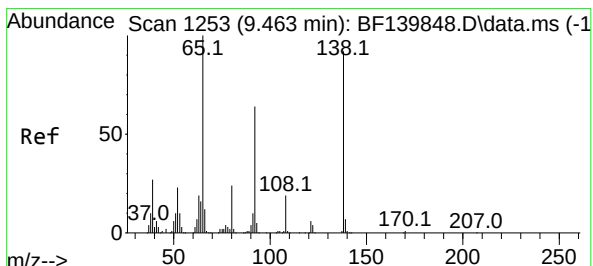
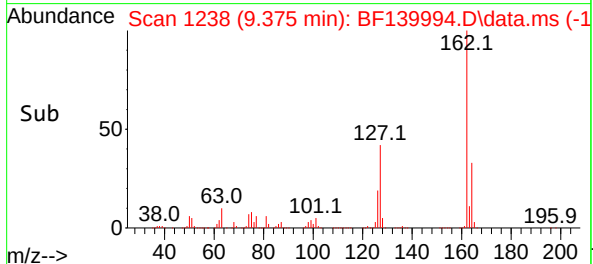
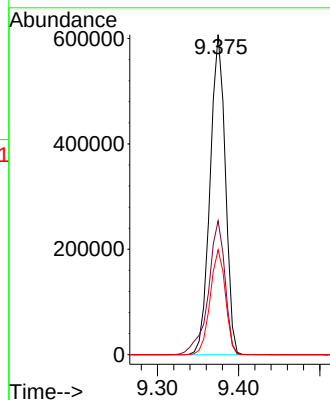
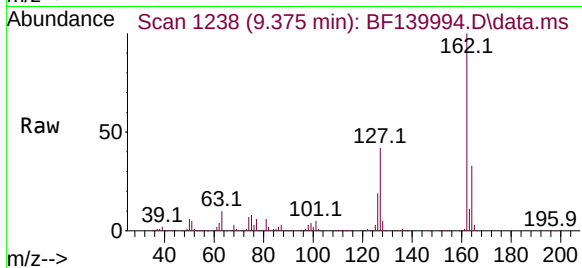
Tgt Ion:162 Resp: 789590

Ion Ratio Lower Upper

162 100

127 41.9 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 51.986 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

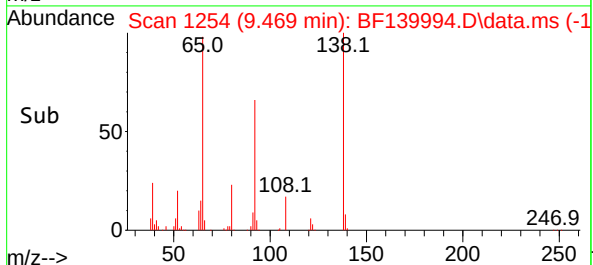
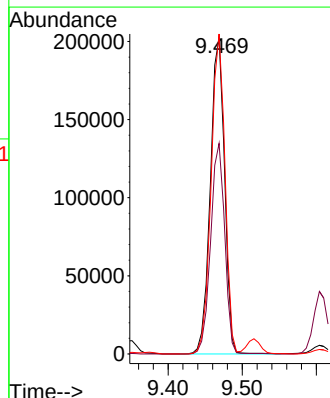
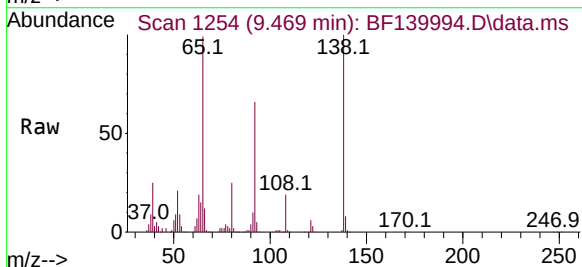
Tgt Ion: 65 Resp: 269390

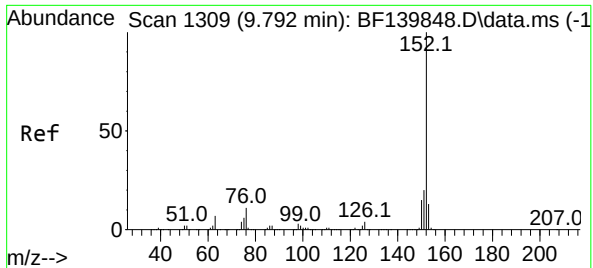
Ion Ratio Lower Upper

65 100

92 66.5 50.9 76.3

138 101.1 73.4 110.0





#49

Acenaphthylene

Concen: 50.400 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

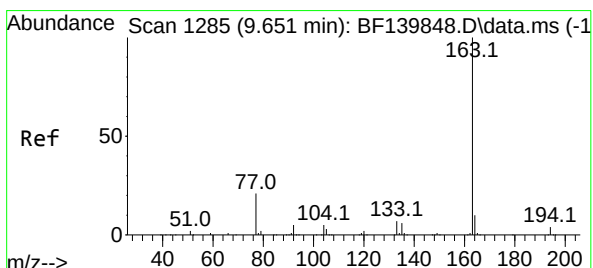
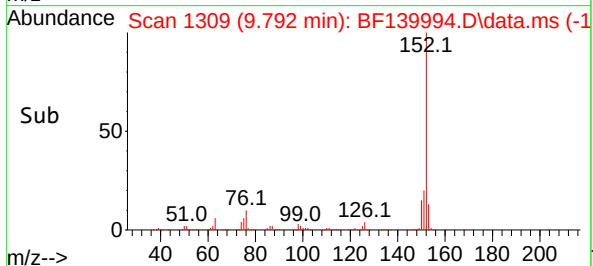
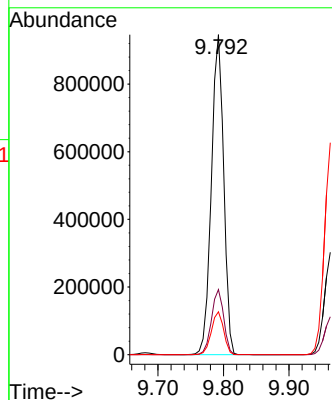
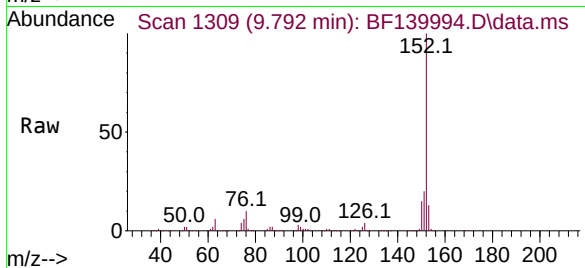
Tgt Ion:152 Resp: 1234528

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.4 10.7 16.1



#50

Dimethylphthalate

Concen: 48.955 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

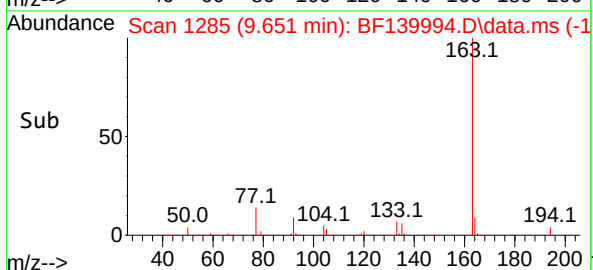
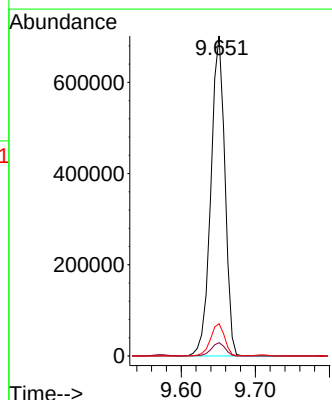
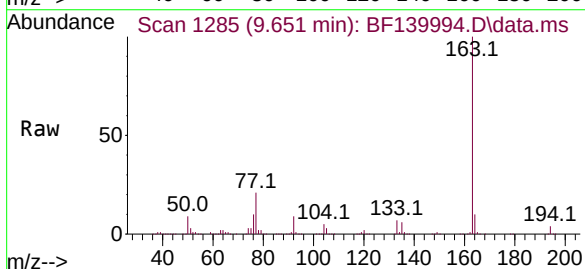
Tgt Ion:163 Resp: 921453

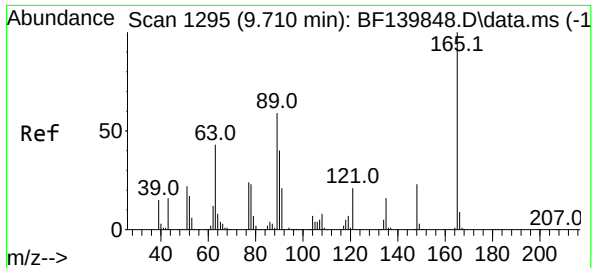
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2

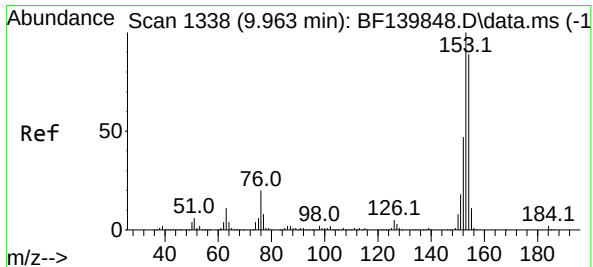
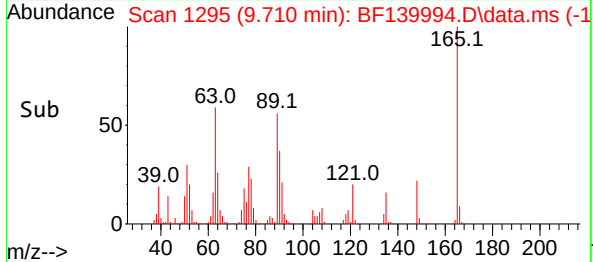
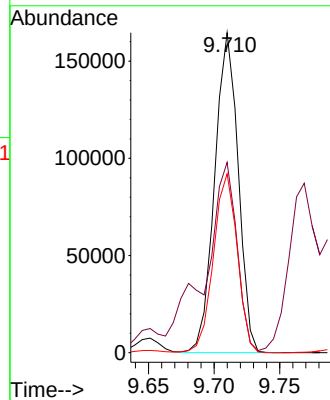
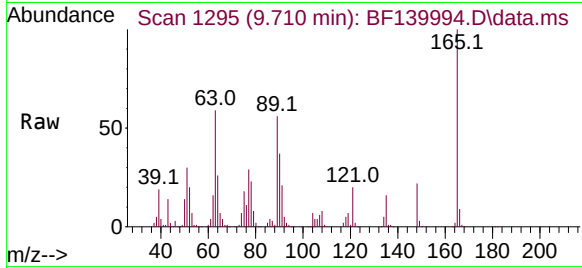




#51
2,6-Dinitrotoluene
Concen: 50.343 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

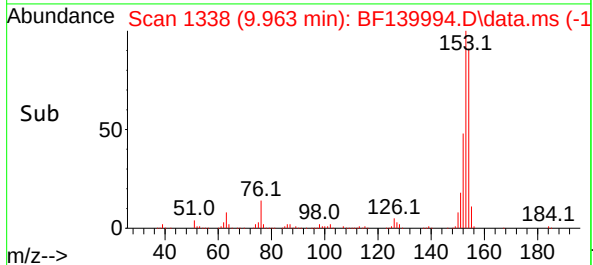
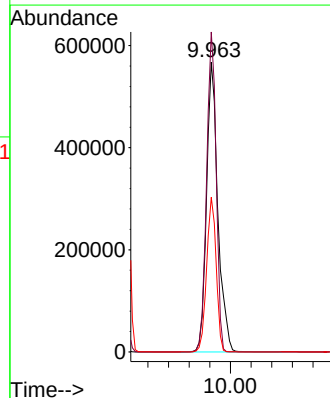
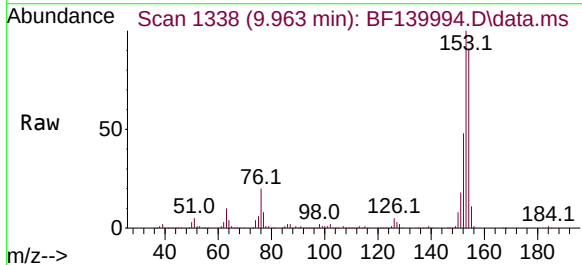
Instrument :
BNA_F
ClientSampleId :
PB164315BS

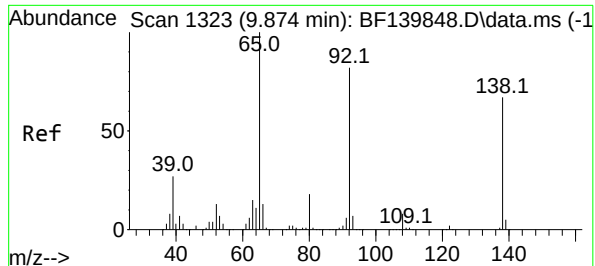
Tgt Ion:165 Resp: 205171
Ion Ratio Lower Upper
165 100
63 59.4 50.6 75.8
89 55.9 47.5 71.3



#52
Acenaphthene
Concen: 54.470 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:154 Resp: 863112
Ion Ratio Lower Upper
154 100
153 110.4 89.8 134.6
152 53.4 42.4 63.6





#53

3-Nitroaniline

Concen: 29.770 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

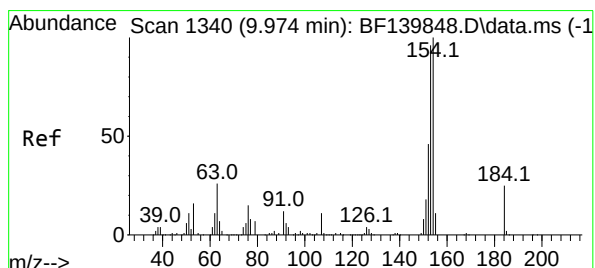
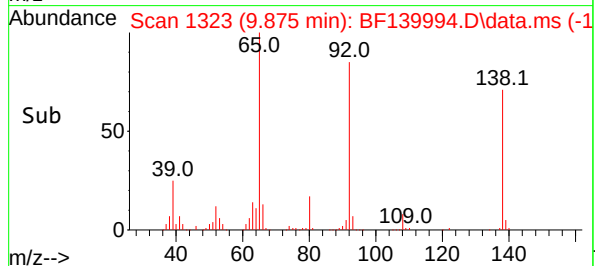
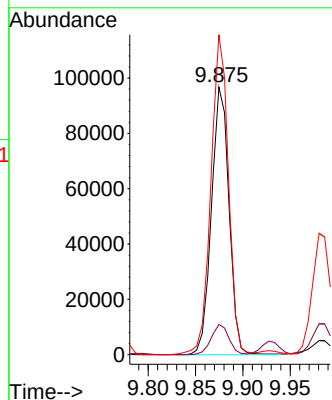
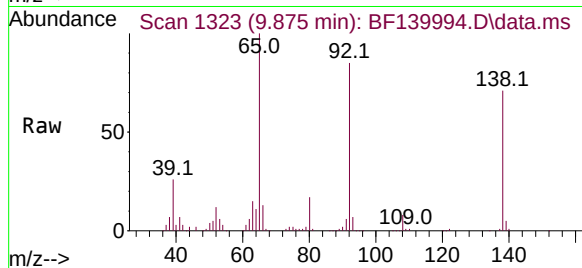
Tgt Ion:138 Resp: 125115

Ion Ratio Lower Upper

138 100

108 11.3 10.2 15.2

92 119.6 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 128.071 ng

RT: 9.986 min Scan# 1342

Delta R.T. 0.012 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

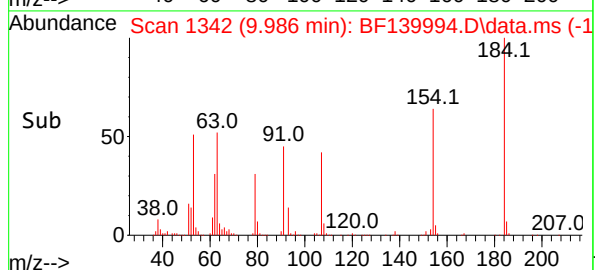
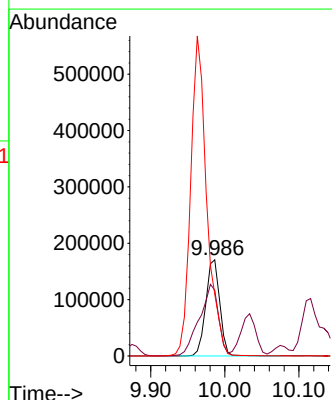
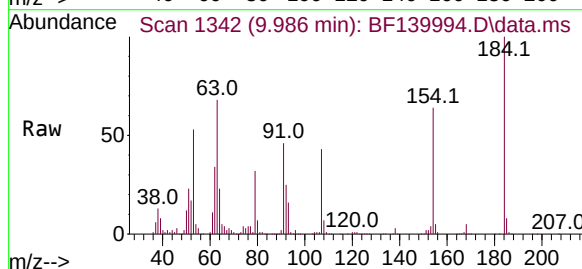
Tgt Ion:184 Resp: 224090

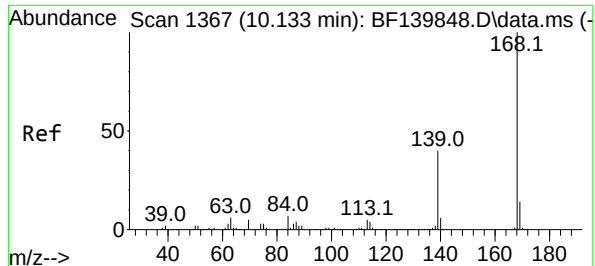
Ion Ratio Lower Upper

184 100

63 68.4 84.7 127.1#

154 64.3 338.2 507.2#





#55

Dibenzofuran

Concen: 48.181 ng

RT: 10.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

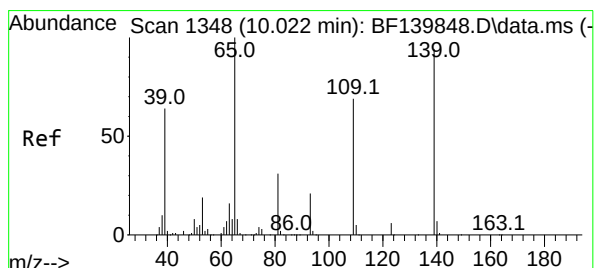
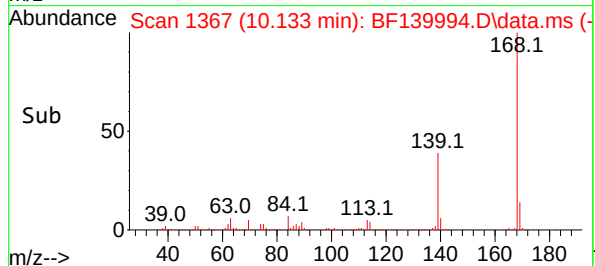
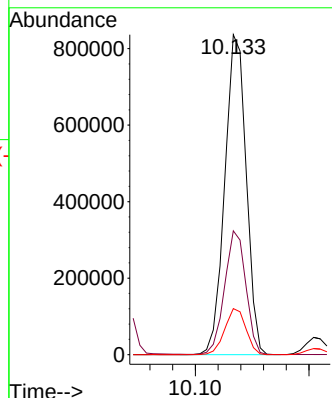
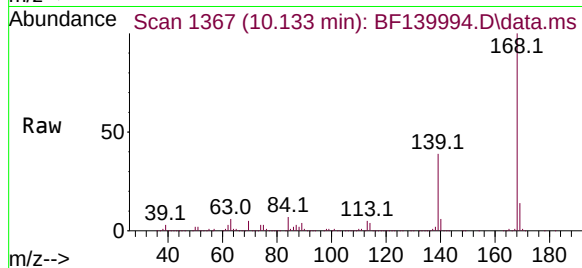
Tgt Ion:168 Resp: 1095379

Ion Ratio Lower Upper

168 100

139 38.7 31.8 47.6

169 14.4 11.6 17.4



#56

4-Nitrophenol

Concen: 105.897 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.012 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

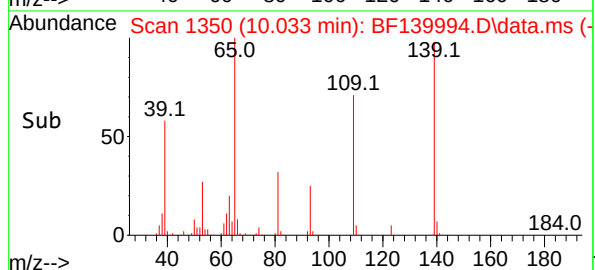
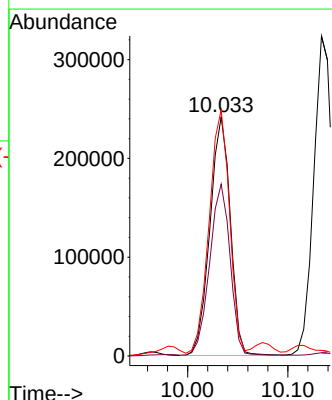
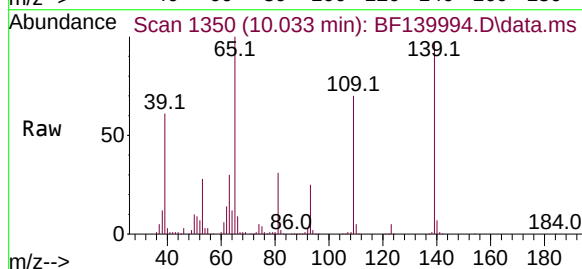
Tgt Ion:139 Resp: 342409

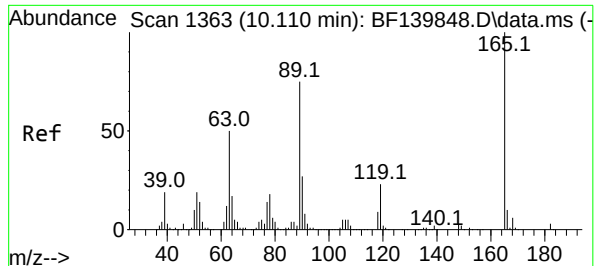
Ion Ratio Lower Upper

139 100

109 71.9 53.6 93.6

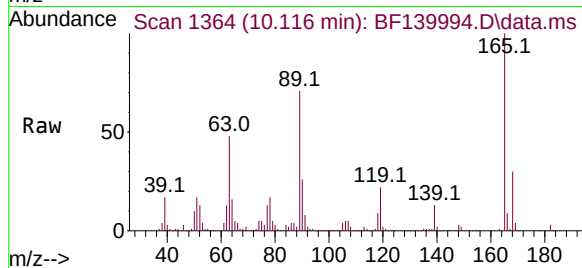
65 102.9 87.8 127.8



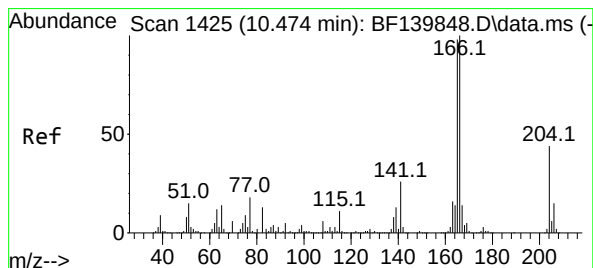
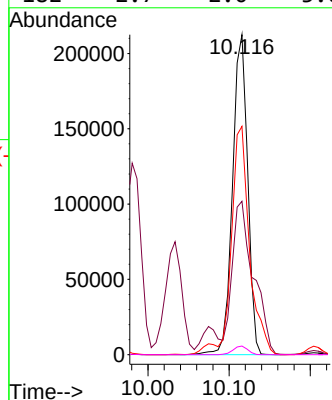
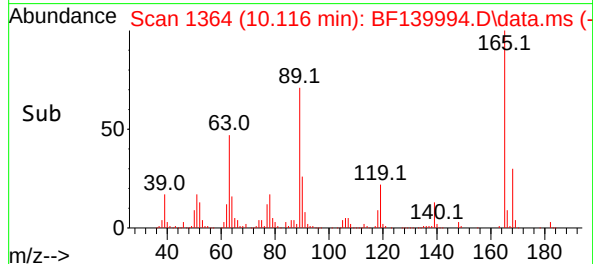


#57
2,4-Dinitrotoluene
Concen: 54.720 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

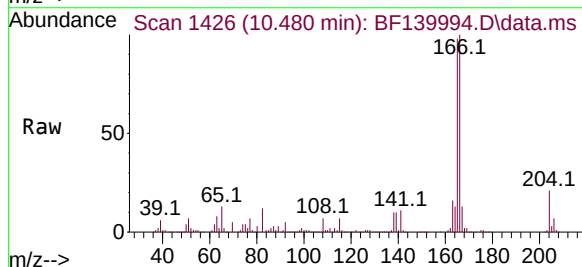
Instrument :
BNA_F
ClientSampleId :
PB164315BS



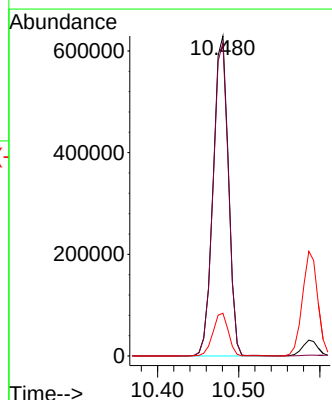
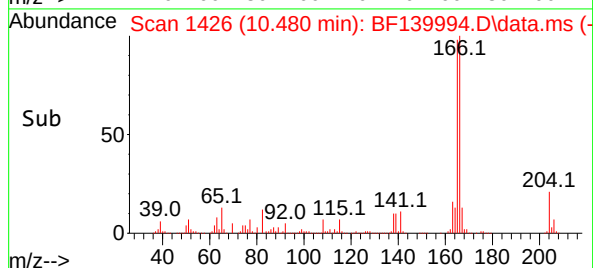
Tgt Ion:165 Resp: 274243
Ion Ratio Lower Upper
165 100
63 48.0 40.1 60.1
89 71.4 60.4 90.6
182 2.7 2.0 3.0

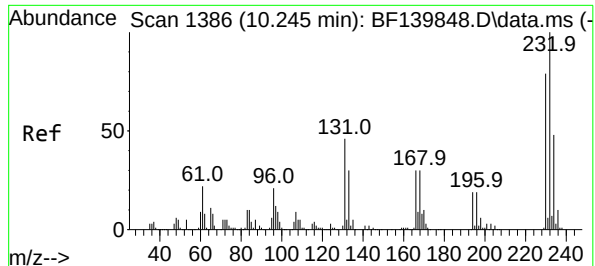


#58
Fluorene
Concen: 47.458 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49



Tgt Ion:166 Resp: 821779
Ion Ratio Lower Upper
166 100
165 97.8 78.5 117.7
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 52.785 ng

RT: 10.251 min Scan# 1386

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

Tgt Ion:232 Resp: 246416

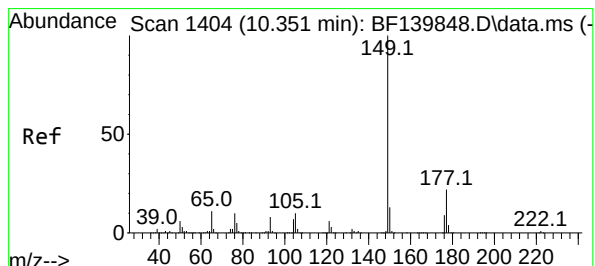
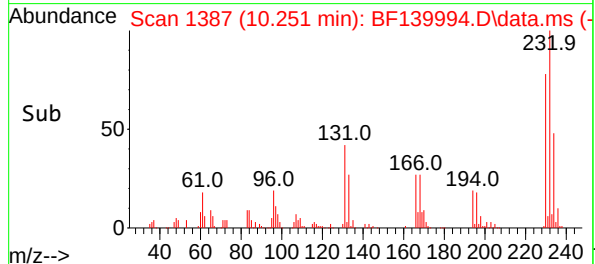
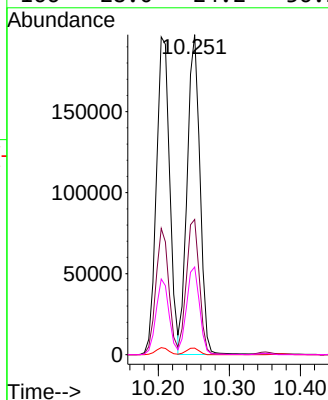
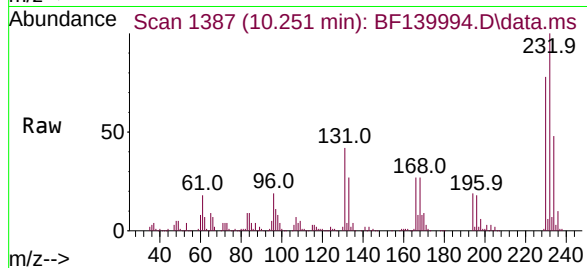
Ion Ratio Lower Upper

232 100

131 43.2 37.0 55.6

130 2.1 1.9 2.9

166 28.0 24.2 36.2



#60

Diethylphthalate

Concen: 47.793 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

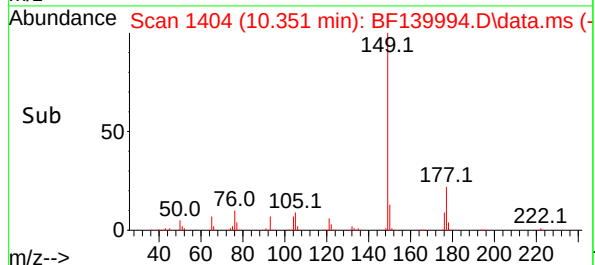
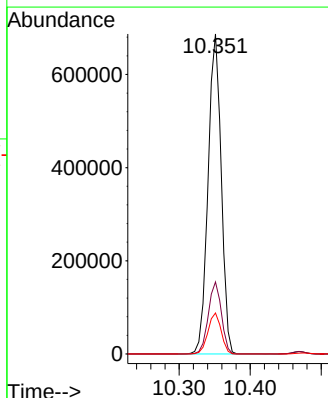
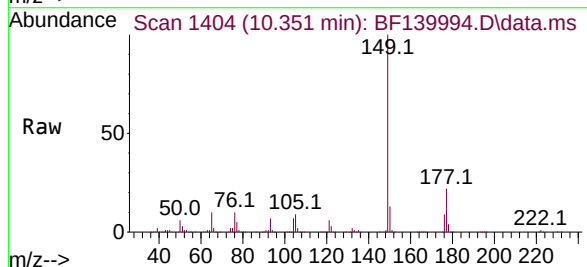
Tgt Ion:149 Resp: 883265

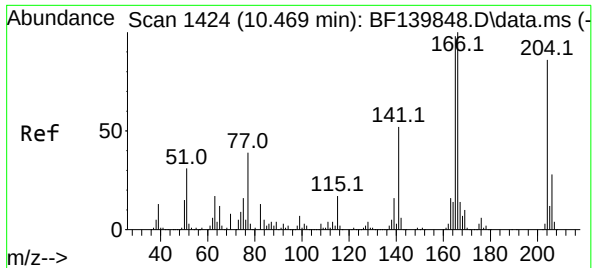
Ion Ratio Lower Upper

149 100

177 22.5 17.9 26.9

150 12.8 10.1 15.1

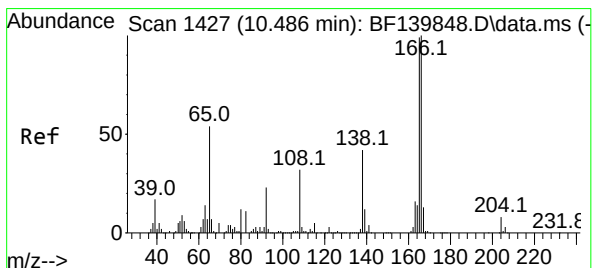
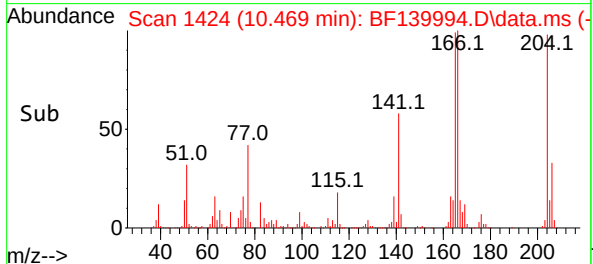
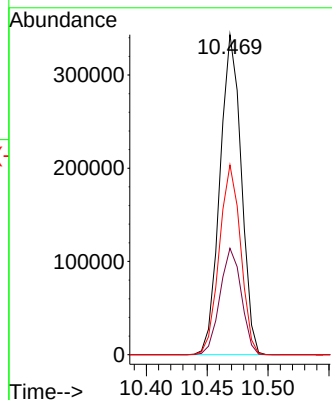
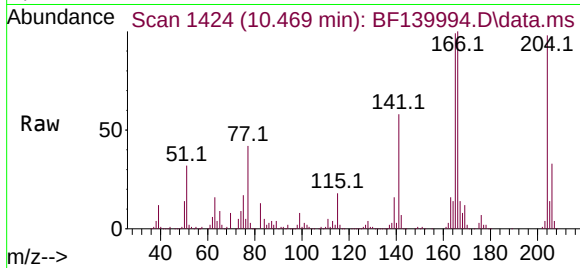




#61
4-Chlorophenyl-phenylether
Concen: 47.948 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

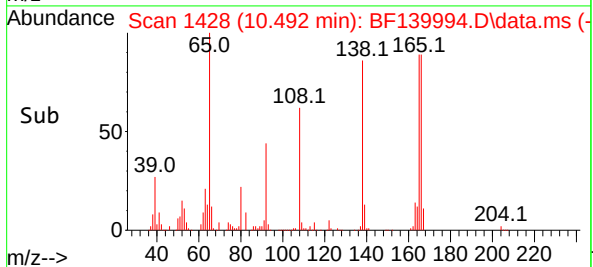
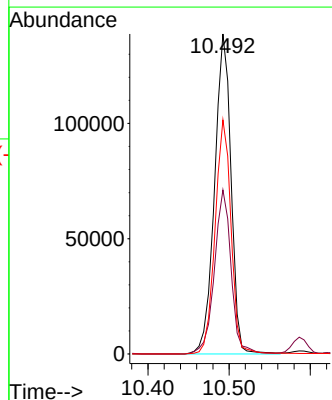
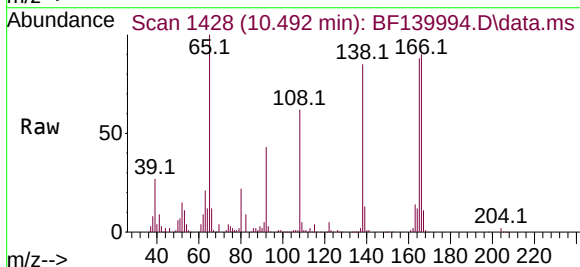
Instrument :
BNA_F
ClientSampleId :
PB164315BS

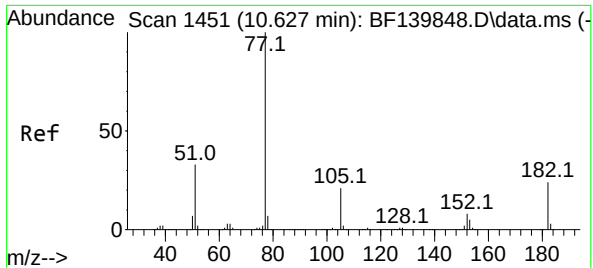
Tgt Ion:204 Resp: 419283
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 59.3 48.6 73.0



#62
4-Nitroaniline
Concen: 49.313 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:138 Resp: 195741
Ion Ratio Lower Upper
138 100
92 51.3 35.7 75.7
108 73.2 57.5 97.5

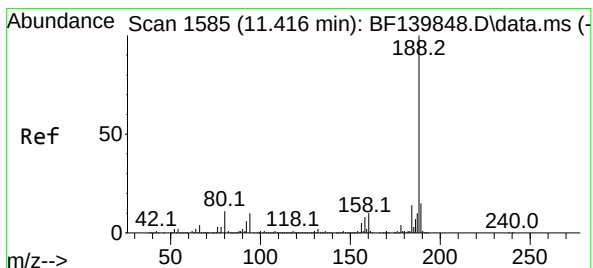
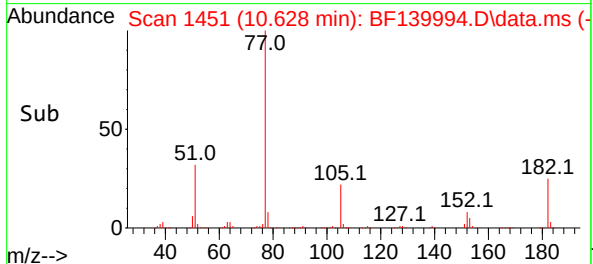
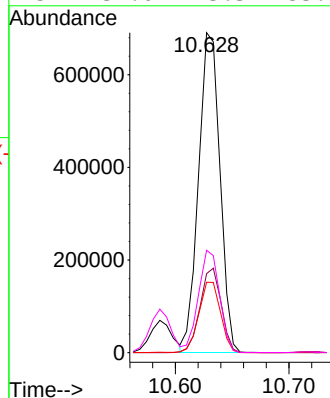
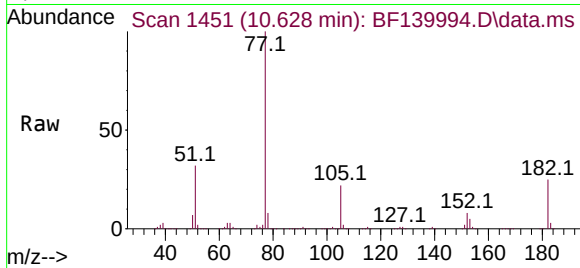




#63
Azobenzene
Concen: 46.220 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

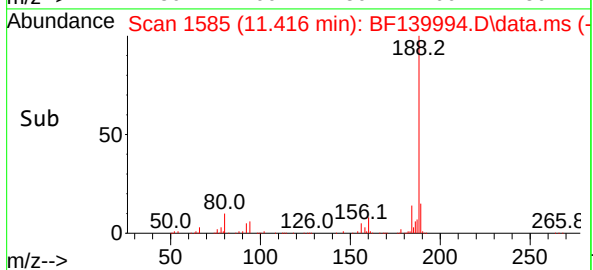
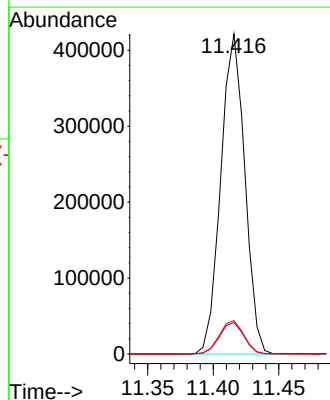
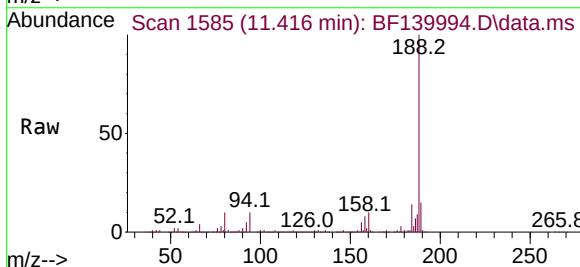
Instrument :
BNA_F
ClientSampleId :
PB164315BS

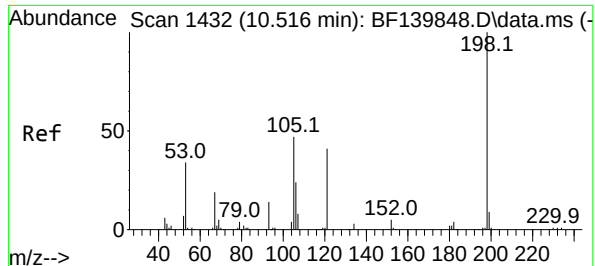
Tgt Ion: 77	Resp: 905569
Ion Ratio	Lower Upper
77 100	
182 24.7	3.3 43.3
105 22.0	1.2 41.2
51 32.0	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:188	Resp: 535948		
Ion Ratio	Lower	Upper	
188 100			
94 9.8	7.9	11.9	
80 10.4	9.0	13.4	

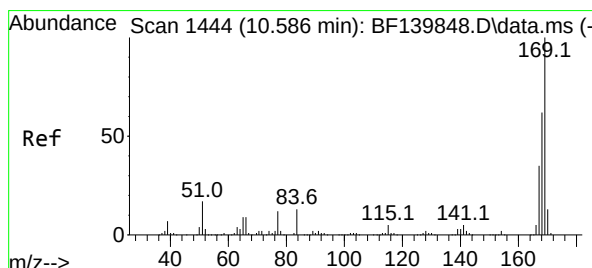
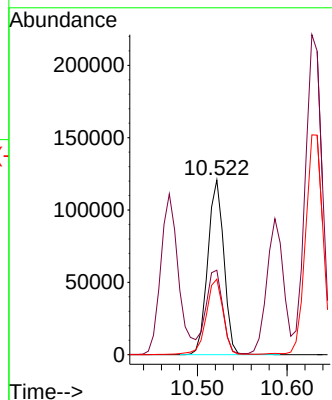
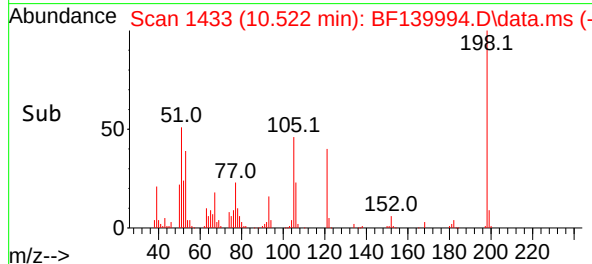
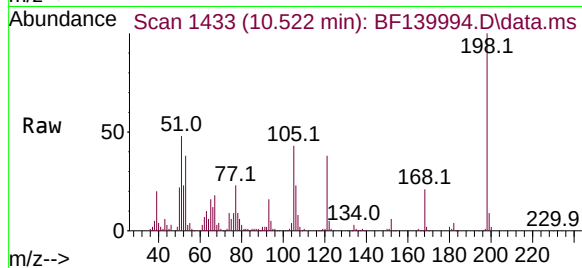




#65
4,6-Dinitro-2-methylphenol
Concen: 68.690 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

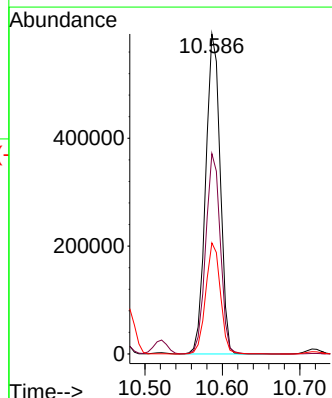
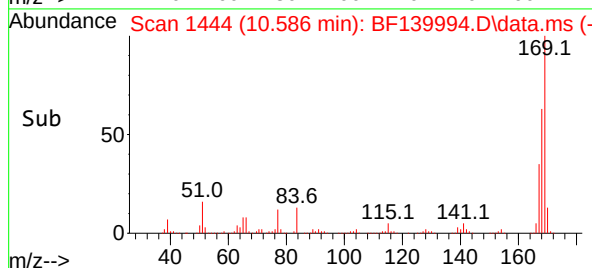
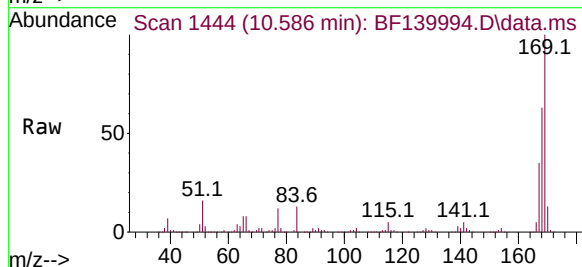
Instrument :
BNA_F
ClientSampleId :
PB164315BS

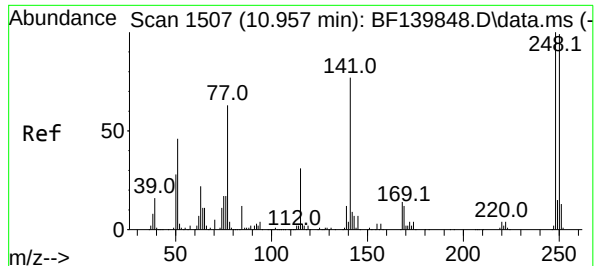
Tgt Ion:198 Resp: 150164
Ion Ratio Lower Upper
198 100
51 48.3 38.2 78.2
105 43.2 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 48.066 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:169 Resp: 771009
Ion Ratio Lower Upper
169 100
168 62.6 49.8 74.6
167 34.7 28.0 42.0

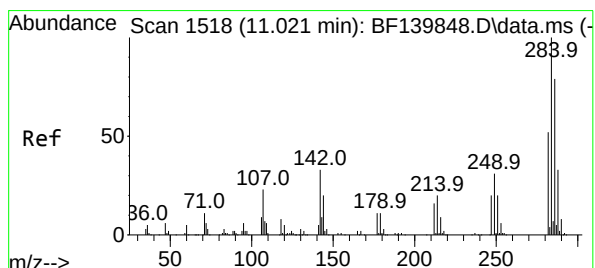
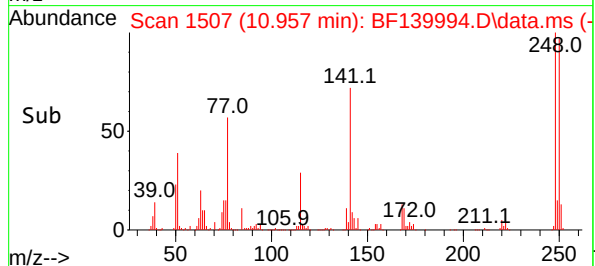
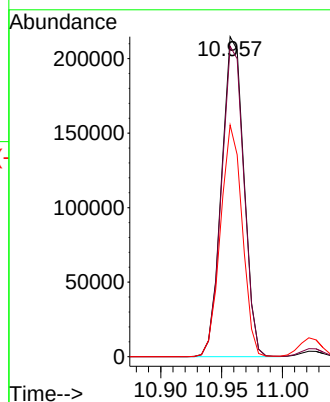
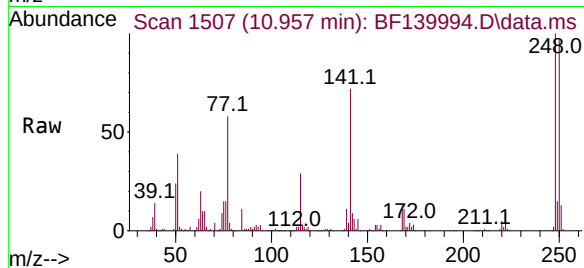




#67
4-Bromophenyl-phenylether
Concen: 49.802 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

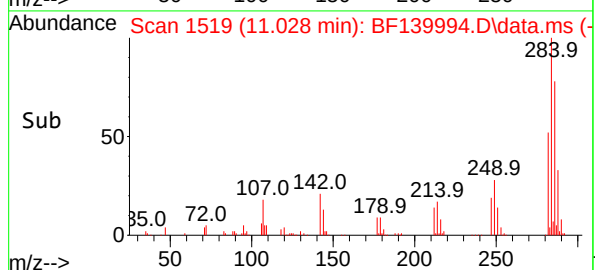
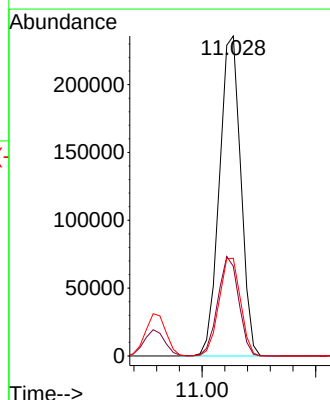
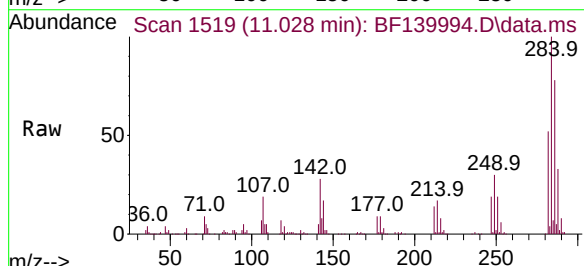
Instrument :
BNA_F
ClientSampleId :
PB164315BS

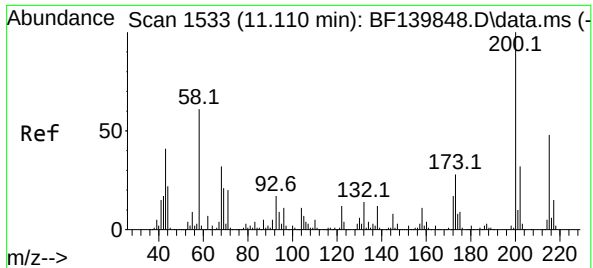
Tgt Ion:248 Resp: 274971
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.6
141 72.4 61.7 92.5



#68
Hexachlorobenzene
Concen: 49.608 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:284 Resp: 308047
Ion Ratio Lower Upper
284 100
142 28.0 26.9 40.3
249 30.5 25.3 37.9





#69

Atrazine

Concen: 57.436 ng

RT: 11.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

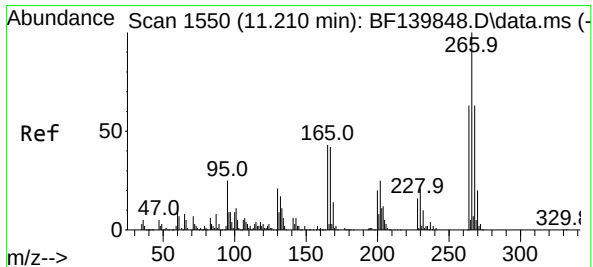
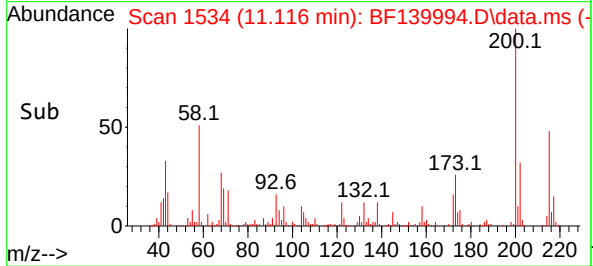
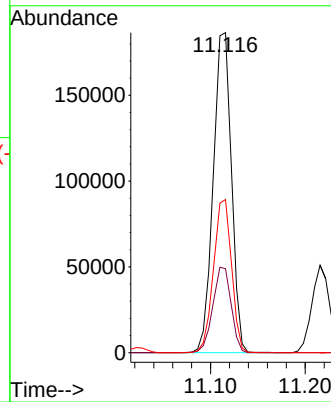
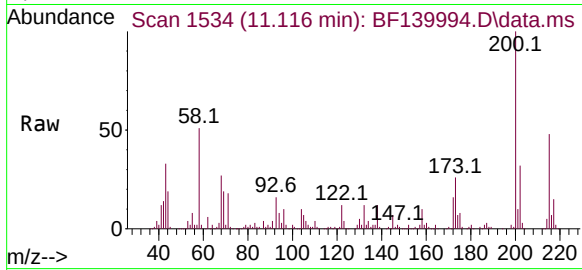
Tgt Ion:200 Resp: 249571

Ion Ratio Lower Upper

200 100

173 26.2 7.7 47.7

215 47.9 27.7 67.7



#70

Pentachlorophenol

Concen: 99.161 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

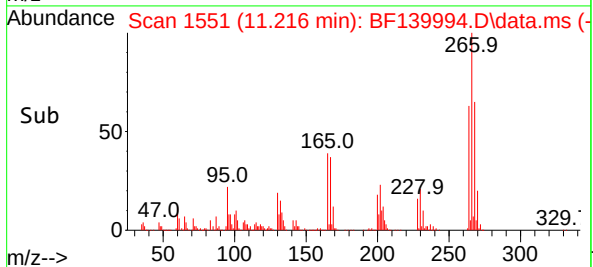
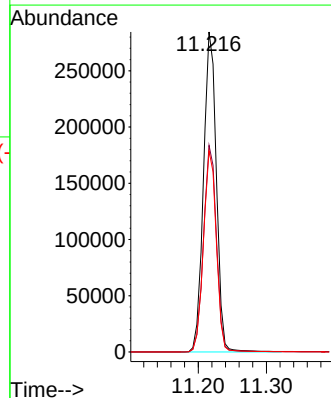
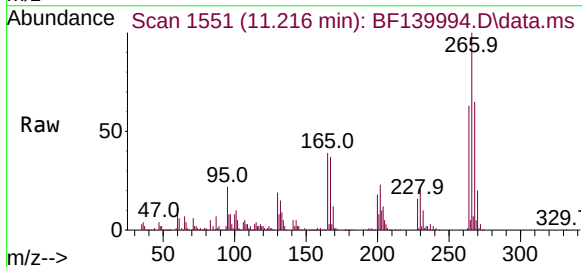
Tgt Ion:266 Resp: 373703

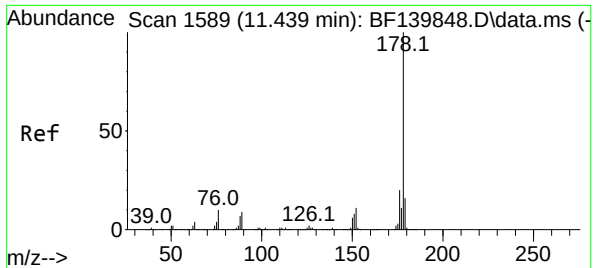
Ion Ratio Lower Upper

266 100

268 64.6 50.4 75.6

264 62.8 50.6 75.8

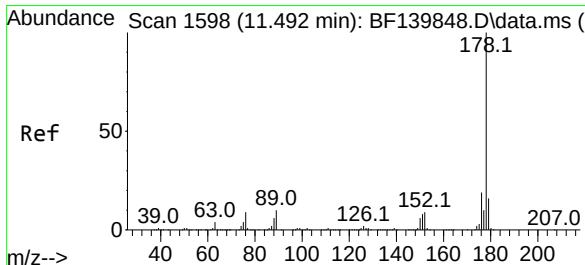
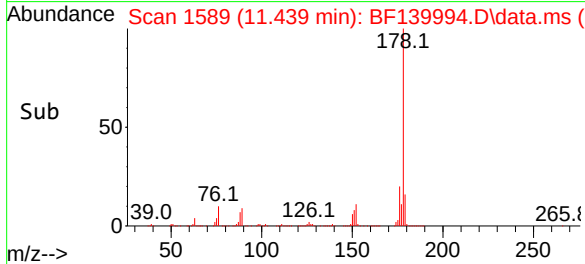
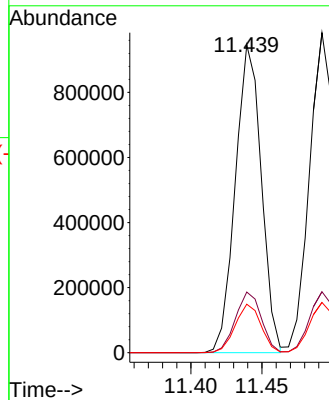
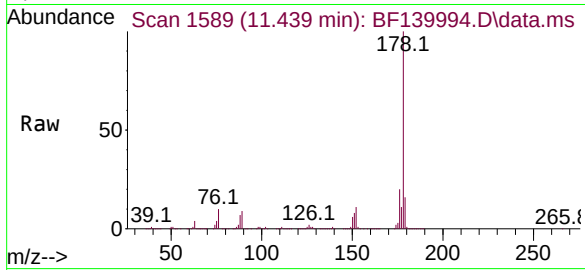




#71
Phenanthrene
Concen: 47.632 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

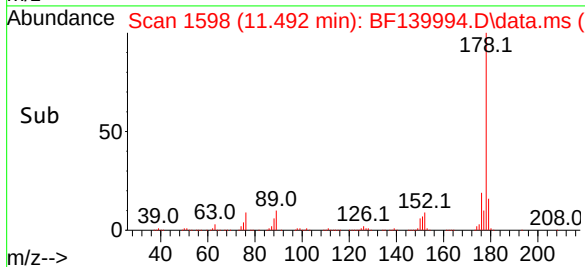
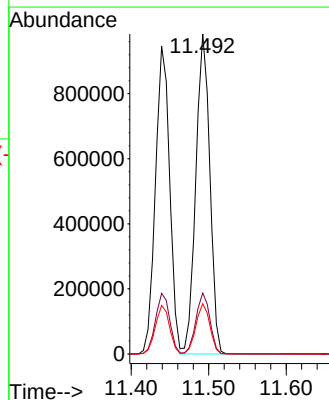
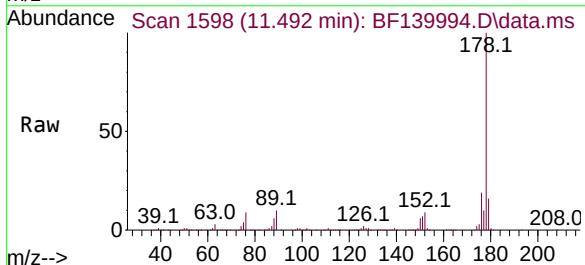
Instrument :
BNA_F
ClientSampleId :
PB164315BS

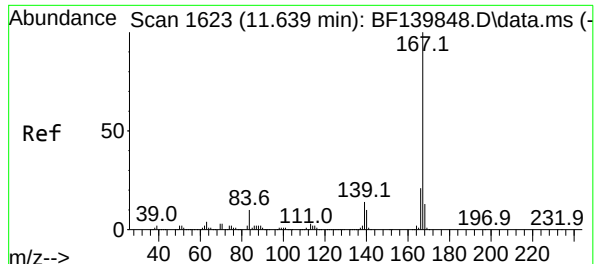
Tgt Ion:178 Resp: 1205859
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.8 12.6 18.8



#72
Anthracene
Concen: 49.919 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:178 Resp: 1233007
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.7 12.4 18.6

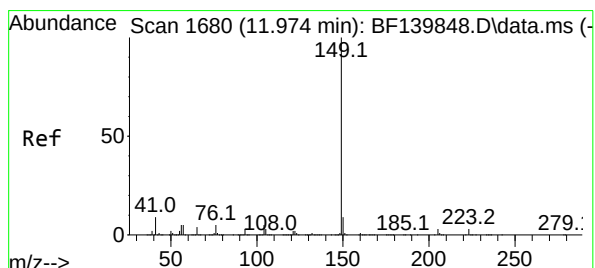
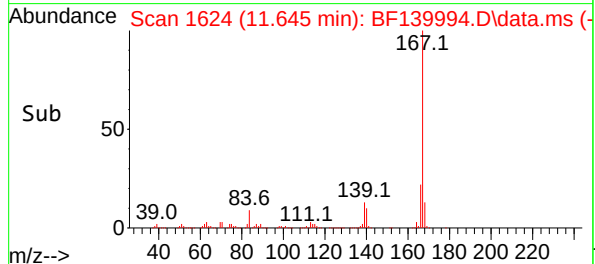
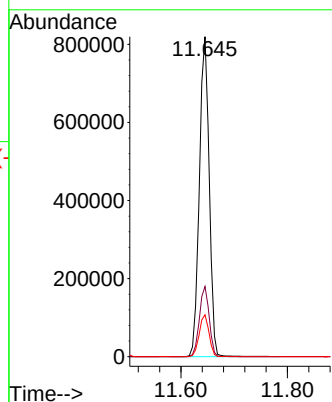
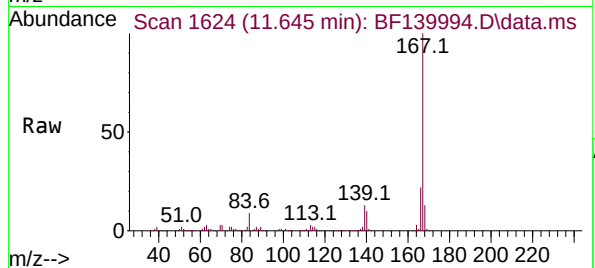




#73
Carbazole
Concen: 45.816 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

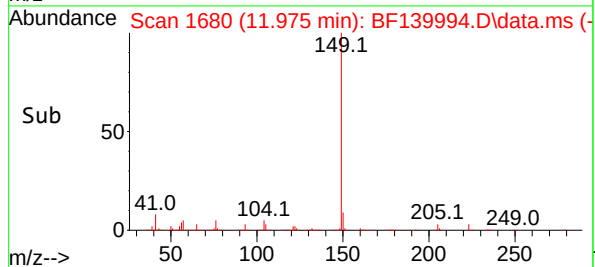
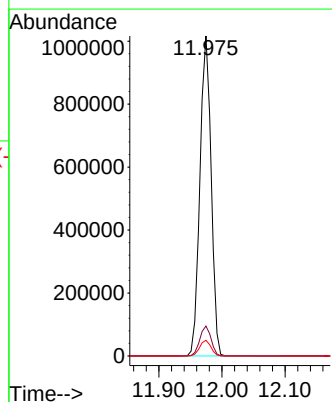
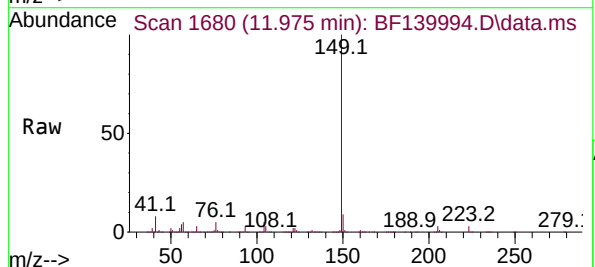
Instrument :
BNA_F
ClientSampleId :
PB164315BS

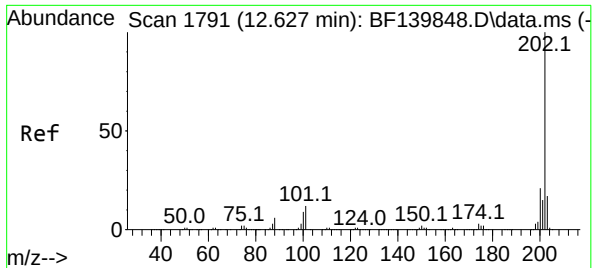
Tgt Ion:167 Resp: 1052474
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.1 10.8 16.2



#74
Di-n-butylphthalate
Concen: 47.065 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:149 Resp: 1249126
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 4.9 4.1 6.1

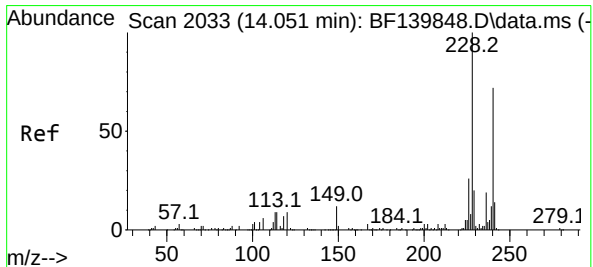
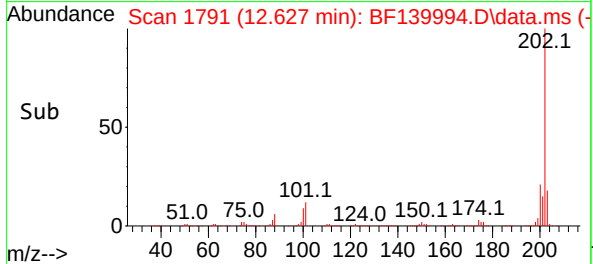
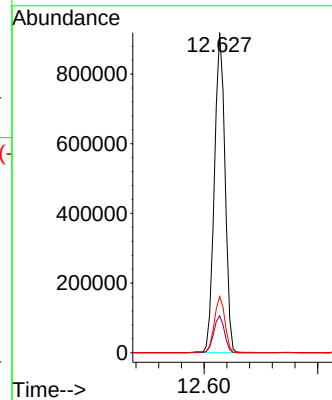
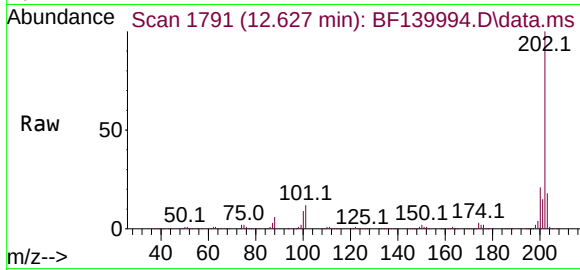




#75
Fluoranthene
Concen: 46.291 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

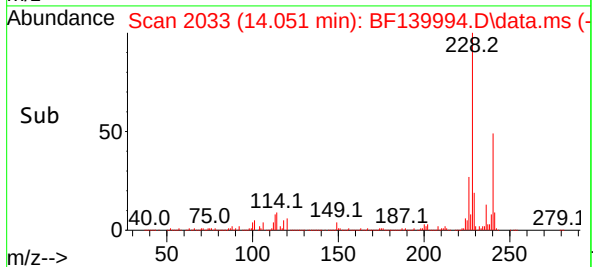
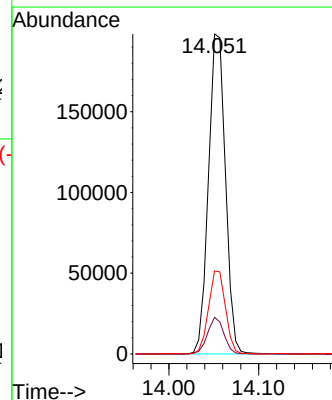
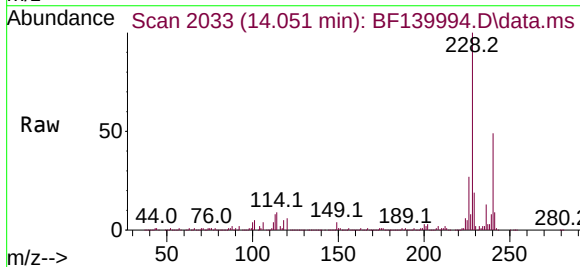
Instrument :
BNA_F
ClientSampleId :
PB164315BS

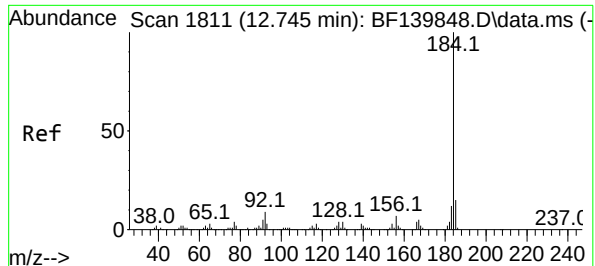
Tgt Ion:202 Resp: 1184700
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:240 Resp: 260625
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.9 20.9 31.3





#77

Benzidine

Concen: 46.535 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

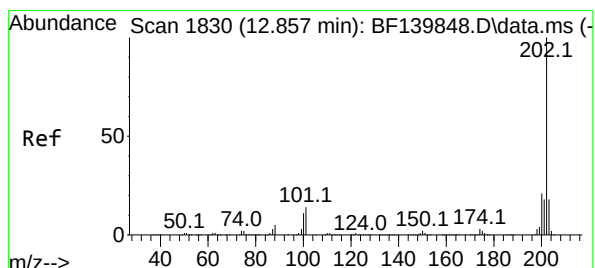
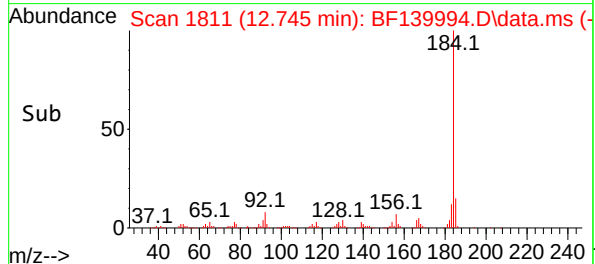
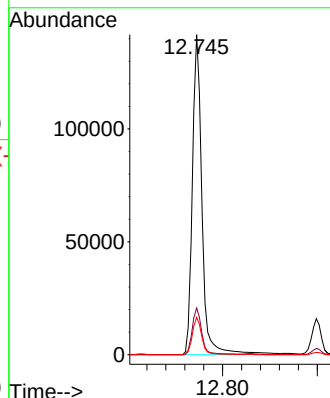
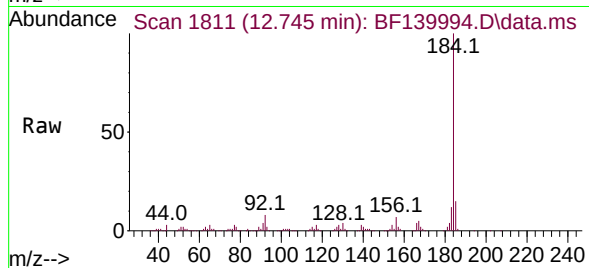
Tgt Ion:184 Resp: 199428

Ion Ratio Lower Upper

184 100

185 14.6 12.0 18.0

183 11.6 9.4 14.2



#78

Pyrene

Concen: 51.652 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

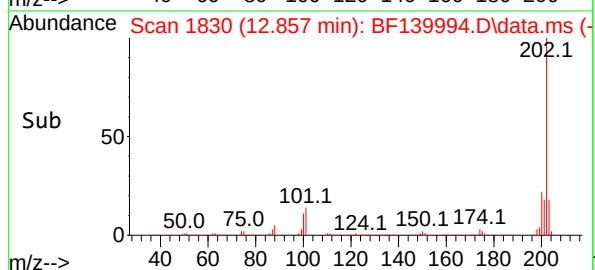
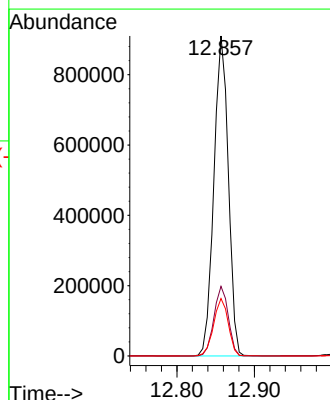
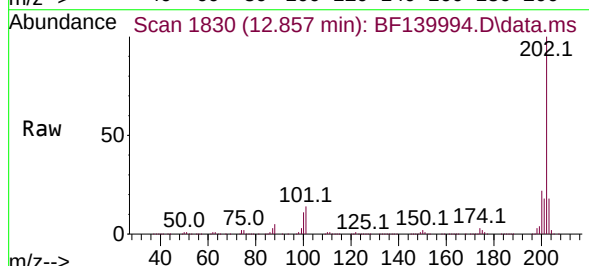
Tgt Ion:202 Resp: 1178350

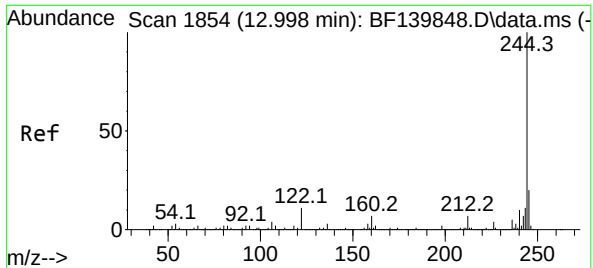
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 17.9 14.2 21.4

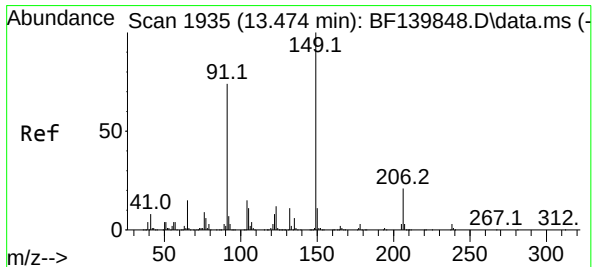
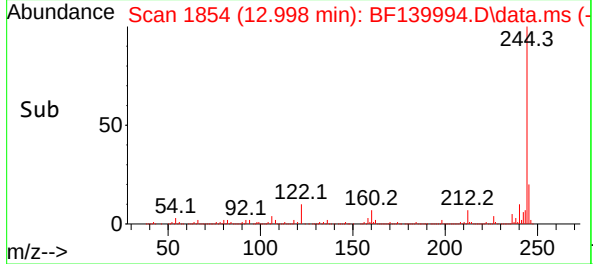
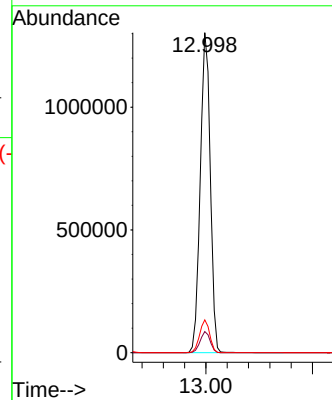
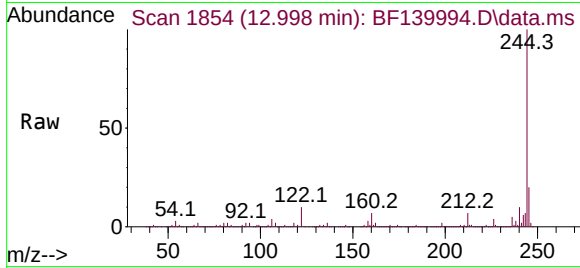




#79
Terphenyl-d14
Concen: 106.518 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

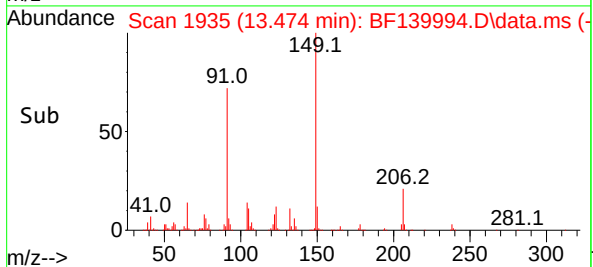
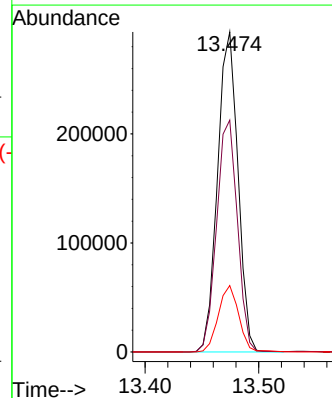
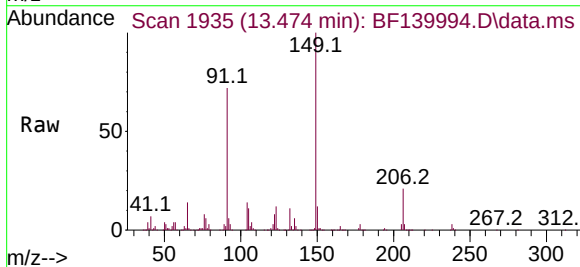
Instrument :
BNA_F
ClientSampleId :
PB164315BS

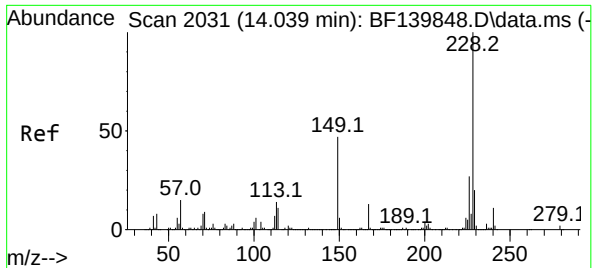
Tgt Ion:244 Resp: 1703690
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.3 8.6 13.0



#80
Butylbenzylphthalate
Concen: 53.652 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:149 Resp: 366950
Ion Ratio Lower Upper
149 100
91 72.4 59.4 89.2
206 20.8 16.4 24.6

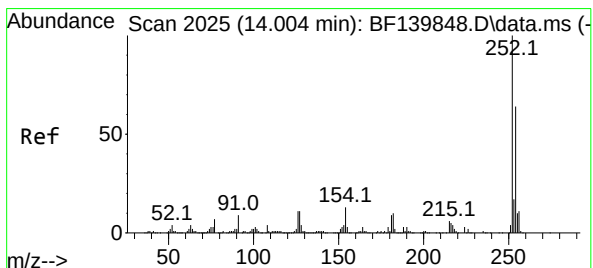
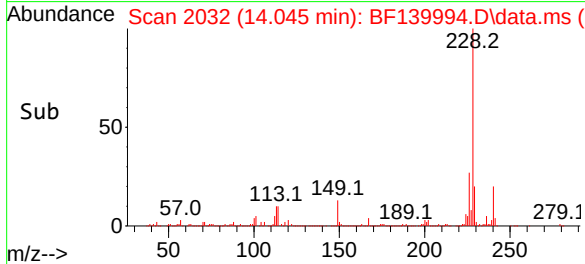
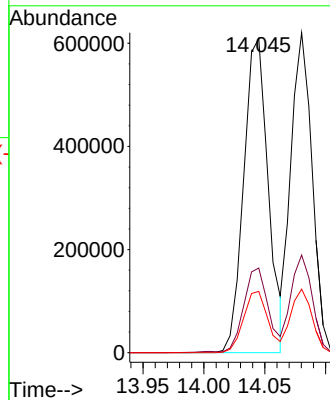
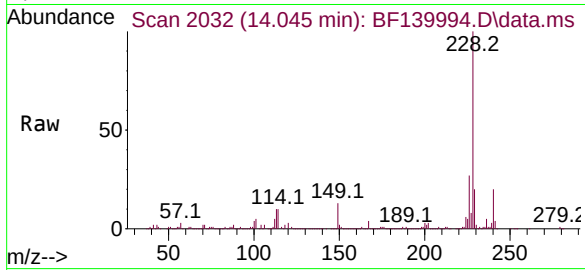




#81
Benzo(a)anthracene
Concen: 50.393 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

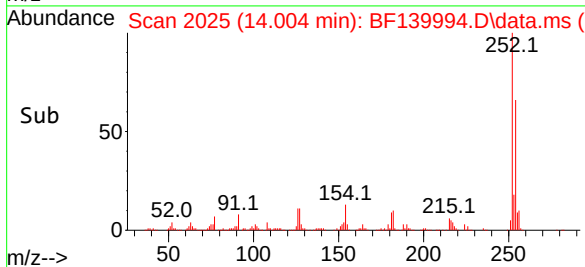
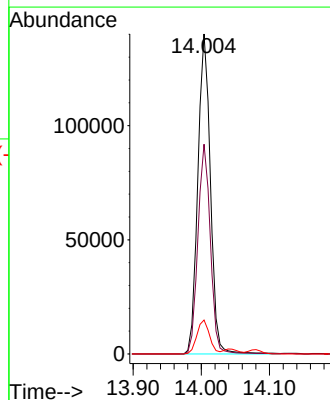
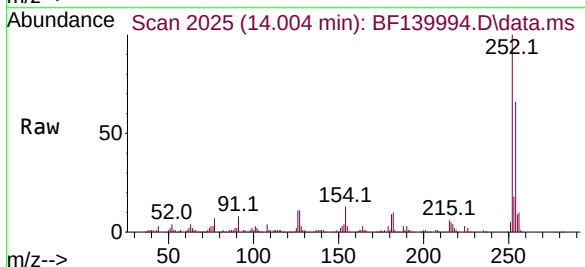
Instrument :
BNA_F
ClientSampleId :
PB164315BS

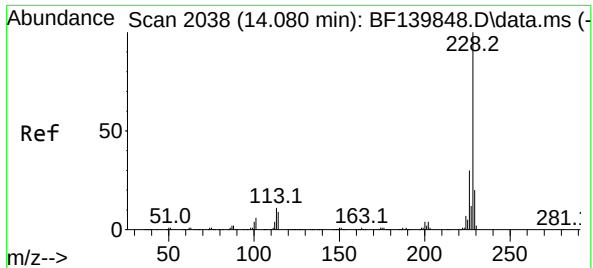
Tgt Ion:228 Resp: 854961
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.5 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 36.180 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139994.D
Acq: 24 Oct 2024 11:49

Tgt Ion:252 Resp: 178968
Ion Ratio Lower Upper
252 100
254 65.5 50.8 76.2
126 10.6 8.9 13.3





#83

Chrysene

Concen: 48.577 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

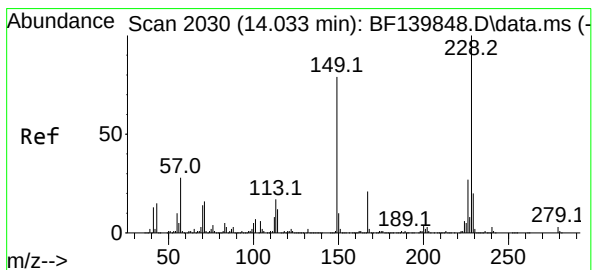
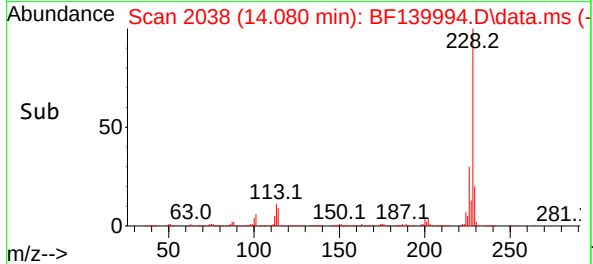
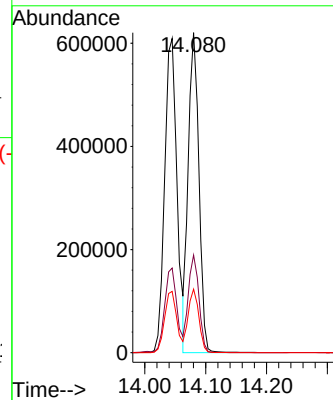
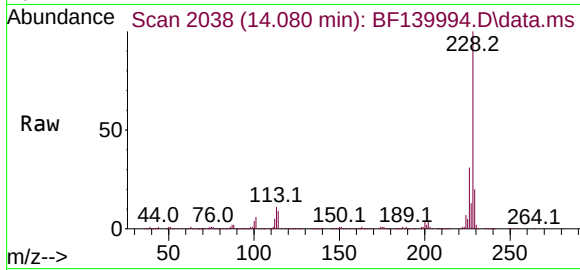
Tgt Ion:228 Resp: 755642

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 19.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.591 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

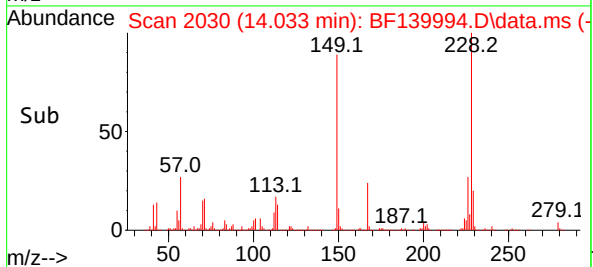
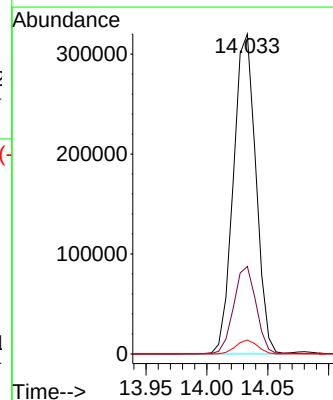
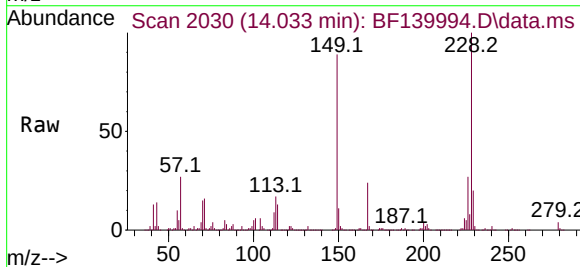
Tgt Ion:149 Resp: 411236

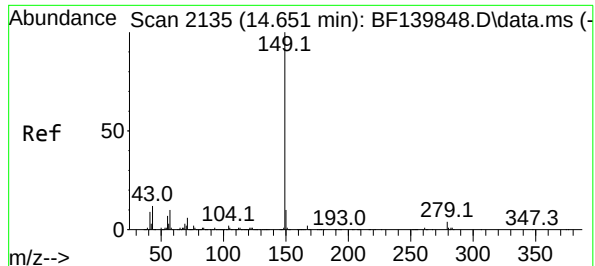
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 50.233 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

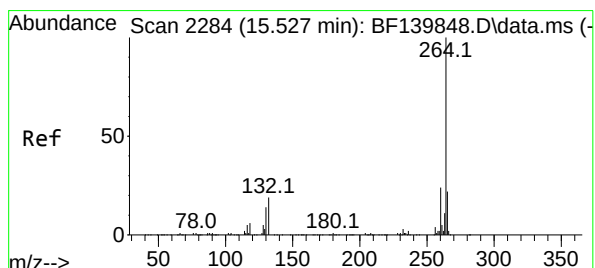
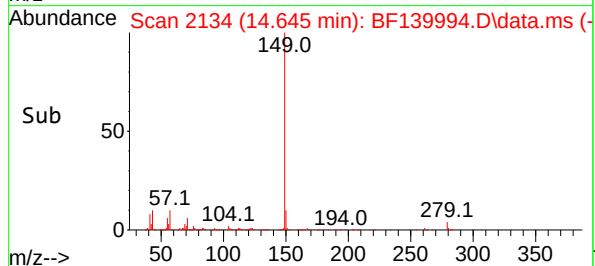
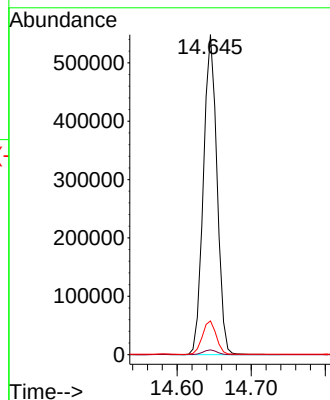
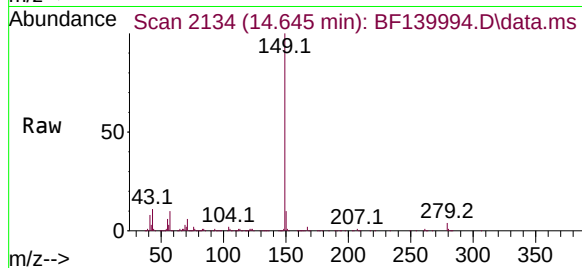
Tgt Ion:149 Resp: 701121

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.6 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

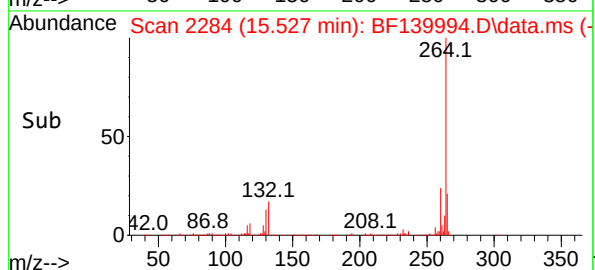
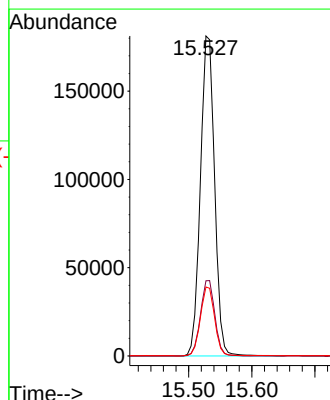
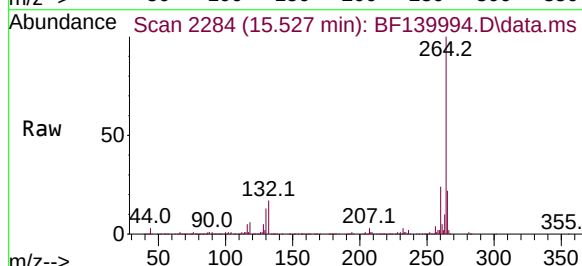
Tgt Ion:264 Resp: 282742

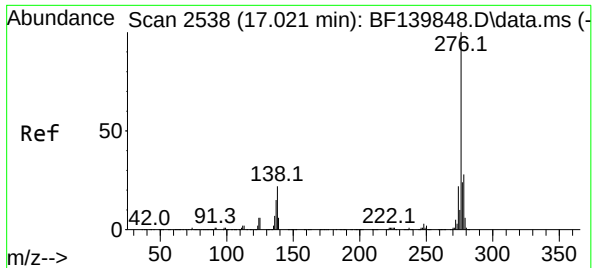
Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.6 17.4 26.0

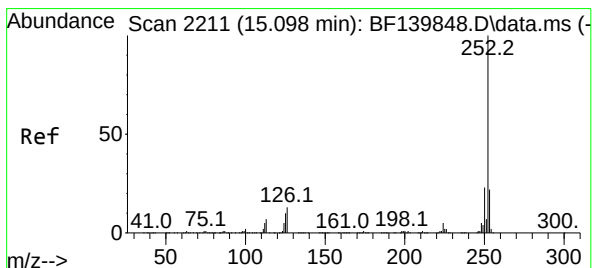
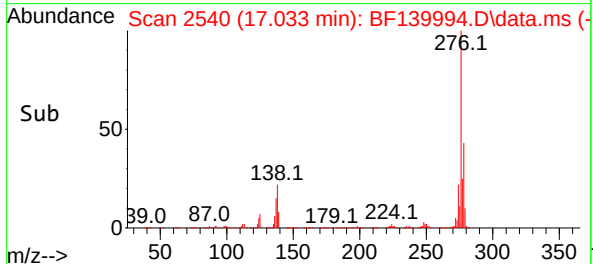
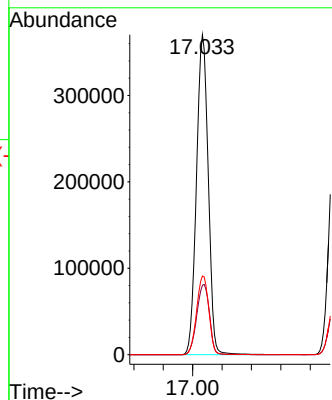
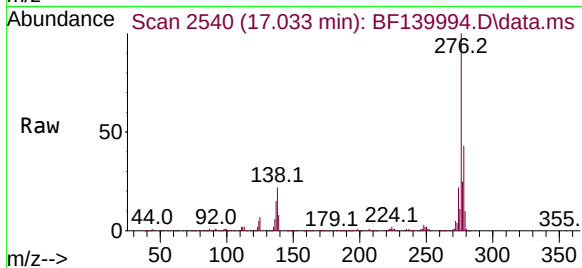




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 56.629 ng
 RT: 17.033 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139994.D
 Acq: 24 Oct 2024 11:49

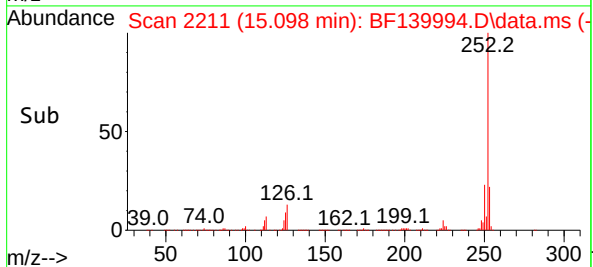
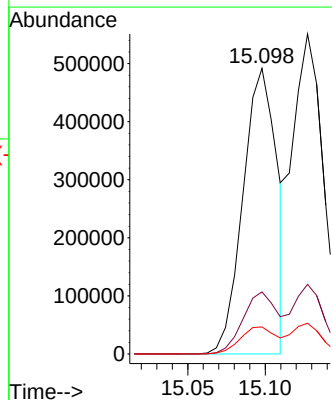
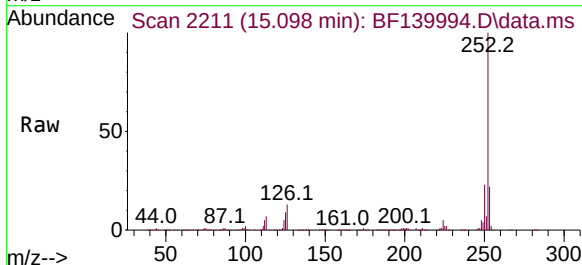
Instrument :
 BNA_F
 ClientSampleId :
 PB164315BS

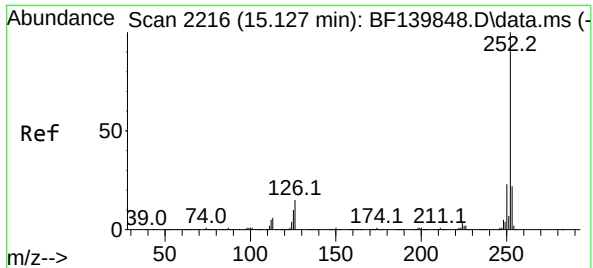
Tgt Ion:276 Resp: 1030056
 Ion Ratio Lower Upper
 276 100
 138 23.6 20.4 30.6
 277 25.6 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 43.307 ng
 RT: 15.098 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: BF139994.D
 Acq: 24 Oct 2024 11:49

Tgt Ion:252 Resp: 745894
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.6 26.4
 125 9.5 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 51.531 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

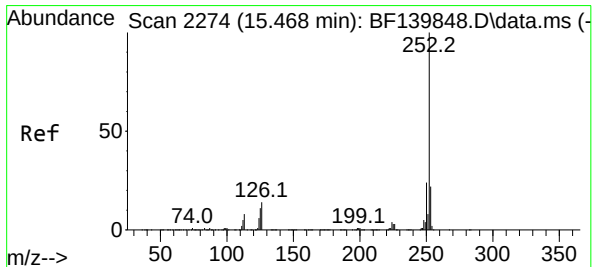
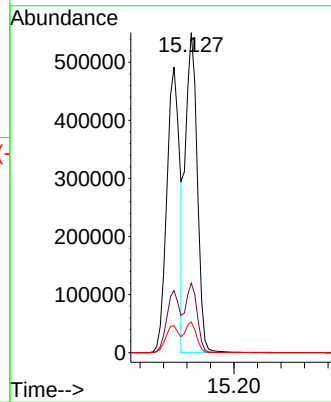
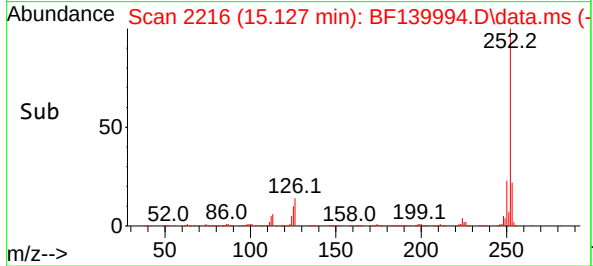
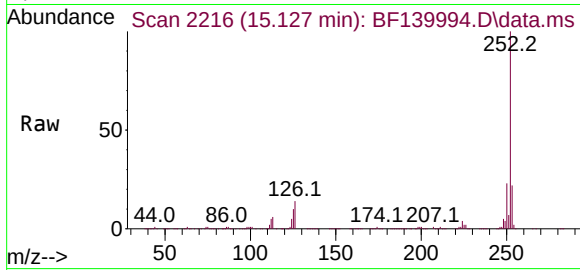
Tgt Ion:252 Resp: 765437

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 9.6 7.9 11.9



#90

Benzo(a)pyrene

Concen: 52.612 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

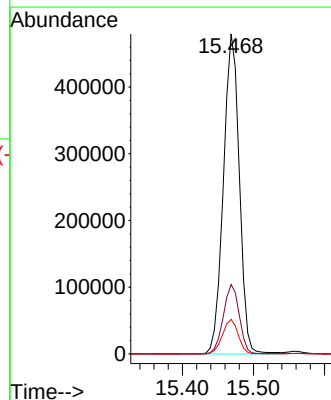
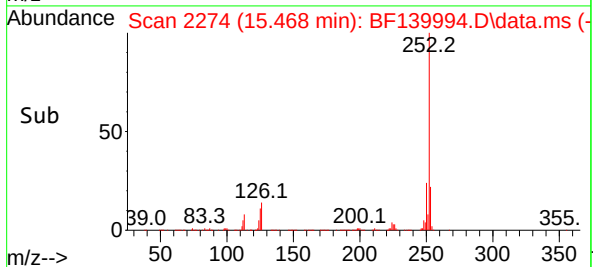
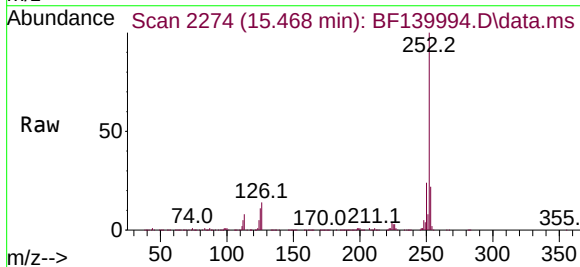
Tgt Ion:252 Resp: 745619

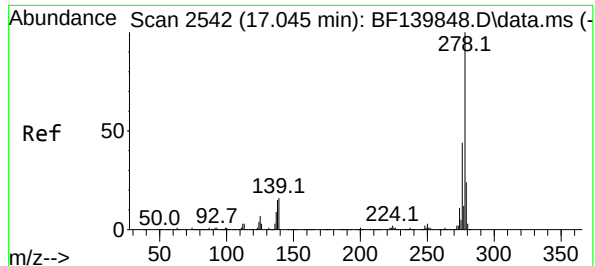
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 55.560 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

Instrument :

BNA_F

ClientSampleId :

PB164315BS

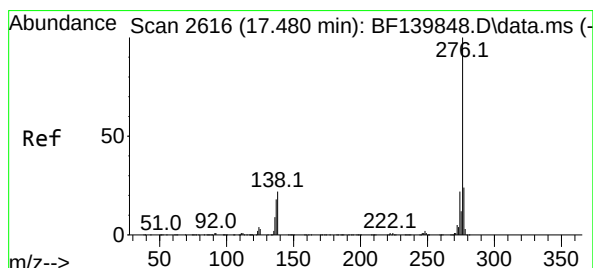
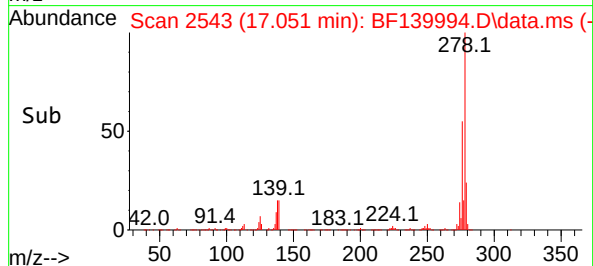
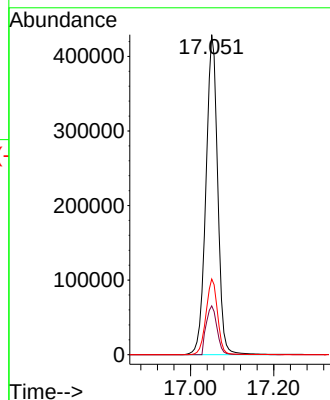
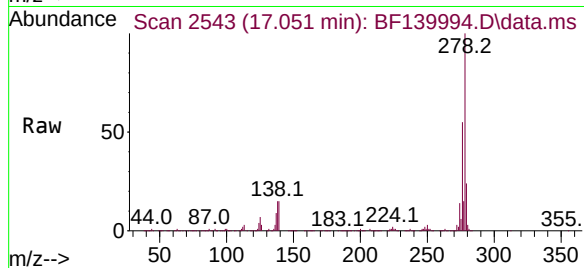
Tgt Ion:278 Resp: 843072

Ion Ratio Lower Upper

278 100

139 15.3 13.1 19.7

279 23.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 52.694 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF139994.D

Acq: 24 Oct 2024 11:49

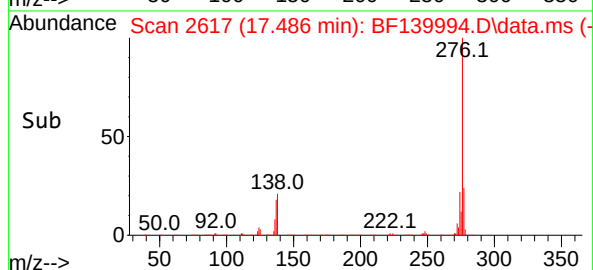
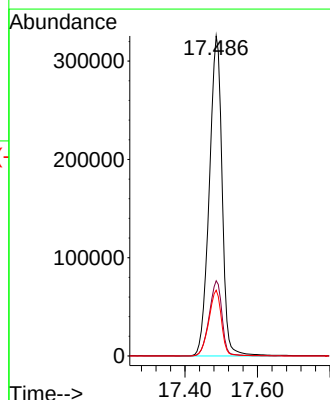
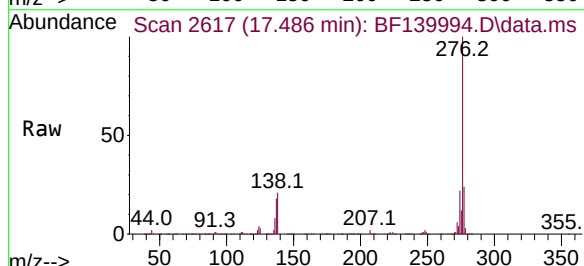
Tgt Ion:276 Resp: 798685

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.5 17.4 26.0



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139970.D	1	10/22/24 10:30	10/23/24 17:59	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	260		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	410		8.40	50.0	ug/L
95-48-7	2-Methylphenol	450		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	430		11.5	100	ug/L
67-72-1	Hexachloroethane	400		10.1	50.0	ug/L
98-95-3	Nitrobenzene	430		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	520		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	490		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	520		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		15 (10) - 110 (139)	85%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.6		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	79.0		30 (48) - 130 (125)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.893			
1146-65-2	Naphthalene-d8	540000	8.175			
15067-26-2	Acenaphthene-d10	260000	9.928			
1517-22-2	Phenanthrene-d10	395000	11.416			
1719-03-5	Chrysene-d12	320000	14.057			
1520-96-3	Perylene-d12	329000	15.533			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139970.D	1	10/22/24 10:30	10/23/24 17:59	PB164315

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\BF102324\
 Data File : BF139970.D
 Acq On : 23 Oct 2024 17:59
 Operator : RC/JU
 Sample : P4397-06MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOTMS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:10:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	145719	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	539980	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	259652	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	394534	20.000	ng	0.00
76) Chrysene-d12	14.057	240	319585	20.000	ng	0.00
86) Perylene-d12	15.533	264	328571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1184189	127.220	ng	0.03
7) Phenol-d6	6.516	99	1422654	118.007	ng	0.00
23) Nitrobenzene-d5	7.451	82	970341	99.596	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	341029	140.416	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1601722	101.950	ng	0.00
79) Terphenyl-d14	12.998	244	1549414	79.001	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.881	88	165499	38.134	ng	# 79
3) Pyridine	3.587	79	281056	26.127	ng	96
4) n-Nitrosodimethylamine	3.516	42	229291	39.672	ng	97
6) Aniline	6.557	93	163876	14.585	ng	97
8) 2-Chlorophenol	6.675	128	431885	45.386	ng	99
9) Benzaldehyde	6.446	77	27124	3.999	ng	92
10) Phenol	6.534	94	504851m	40.620	ng	
11) bis(2-Chloroethyl)ether	6.628	93	429093	44.667	ng	99
12) 1,3-Dichlorobenzene	6.834	146	446954	40.917	ng	99
13) 1,4-Dichlorobenzene	6.910	146	452366	41.451	ng	98
14) 1,2-Dichlorobenzene	7.063	146	437203	42.925	ng	98
15) Benzyl Alcohol	7.028	79	394187	44.575	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	692518	42.277	ng	97
17) 2-Methylphenol	7.140	107	362384	44.661	ng	99
18) Hexachloroethane	7.404	117	156969	40.335	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	318826	43.605	ng	96
20) 3+4-Methylphenols	7.293	107	447860	43.152	ng	# 81
22) Acetophenone	7.298	105	589821	44.596	ng	99
24) Nitrobenzene	7.475	77	464539	43.488	ng	98
25) Isophorone	7.710	82	850487	45.993	ng	99
26) 2-Nitrophenol	7.787	139	219714	54.522	ng	95
27) 2,4-Dimethylphenol	7.822	122	363608	54.112	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	511077	45.617	ng	100
29) 2,4-Dichlorophenol	8.028	162	351914	45.980	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	365443	43.151	ng	99
31) Naphthalene	8.193	128	1433262	51.466	ng	100
32) Benzoic acid	7.922	122	252244	43.040	ng	97
33) 4-Chloroaniline	8.240	127	56215	5.920	ng	98
34) Hexachlorobutadiene	8.310	225	231750	43.553	ng	99
35) Caprolactam	8.598	113	95747	39.344	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	367844	43.404	ng	96
37) 2-Methylnaphthalene	8.887	142	831760	48.767	ng	99
38) 1-Methylnaphthalene	8.987	142	773515	46.225	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	358813	51.222	ng	99
41) Hexachlorocyclopentadiene	9.040	237	201420	82.637	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	259089	52.241	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139970.D
 Acq On : 23 Oct 2024 17:59
 Operator : RC/JU
 Sample : P4397-06MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOTMS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:10:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	252046	49.258	ng	97
46) 1,1'-Biphenyl	9.351	154	904792	50.056	ng	99
47) 2-Chloronaphthalene	9.375	162	704968	48.424	ng	99
48) 2-Nitroaniline	9.463	65	234065	52.569	ng	96
49) Acenaphthylene	9.792	152	1069289	50.805	ng	100
50) Dimethylphthalate	9.645	163	840924	51.995	ng	100
51) 2,6-Dinitrotoluene	9.710	165	178345	50.929	ng	92
52) Acenaphthene	9.963	154	752606	55.277	ng	100
53) 3-Nitroaniline	9.875	138	71967	19.929	ng	94
54) 2,4-Dinitrophenol	9.981	184	127551	87.042	ng	# 1
55) Dibenzofuran	10.134	168	931769	47.698	ng	98
56) 4-Nitrophenol	10.028	139	248396	89.405	ng	97
57) 2,4-Dinitrotoluene	10.110	165	223785	51.967	ng	96
58) Fluorene	10.475	166	707194	47.531	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	195120	48.643	ng	95
60) Diethylphthalate	10.345	149	763940	48.108	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	352123	46.864	ng	99
62) 4-Nitroaniline	10.486	138	142265	41.712	ng	96
63) Azobenzene	10.628	77	737131	43.786	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	90649	56.329	ng	93
66) n-Nitrosodiphenylamine	10.586	169	631286	53.461	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	216597	53.291	ng	96
68) Hexachlorobenzene	11.022	284	226101	49.463	ng	99
69) Atrazine	11.110	200	161884	50.609	ng	98
70) Pentachlorophenol	11.216	266	281614	101.510	ng	99
71) Phenanthrene	11.439	178	974942	52.315	ng	99
72) Anthracene	11.492	178	953433	52.435	ng	100
73) Carbazole	11.645	167	815066	48.199	ng	99
74) Di-n-butylphthalate	11.975	149	1050412	53.764	ng	99
75) Fluoranthene	12.628	202	985425	52.306	ng	99
77) Benzidine	12.745	184	196024	37.302	ng	99
78) Pyrene	12.857	202	1030796	36.848	ng	100
80) Butylbenzylphthalate	13.475	149	443486	52.879	ng	98
81) Benzo(a)anthracene	14.045	228	1045118	50.237	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	237087	39.086	ng	99
83) Chrysene	14.080	228	966611	50.675	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	614398	65.295	ng	# 99
85) Di-n-octyl phthalate	14.645	149	1119671	65.421	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	705835	33.392	ng	99
88) Benzo(b)fluoranthene	15.098	252	1120485	55.982	ng	99
89) Benzo(k)fluoranthene	15.127	252	912998	52.892	ng	100
90) Benzo(a)pyrene	15.469	252	899666	54.628	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	598921	33.965	ng	98
92) Benzo(g,h,i)perylene	17.474	276	501683	28.483	ng	98

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

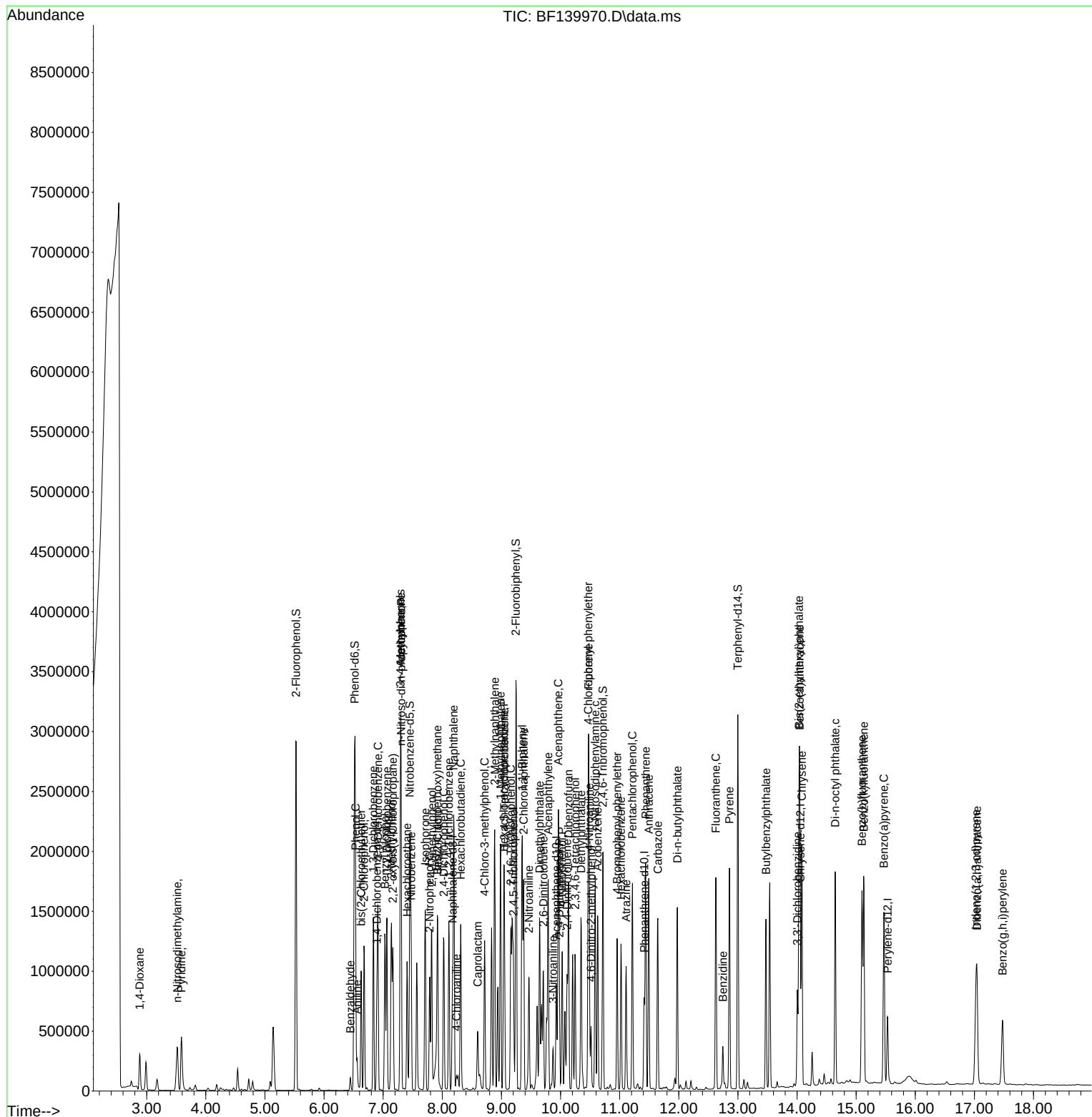
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139970.D
 Acq On : 23 Oct 2024 17:59
 Operator : RC/JU
 Sample : P4397-06MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

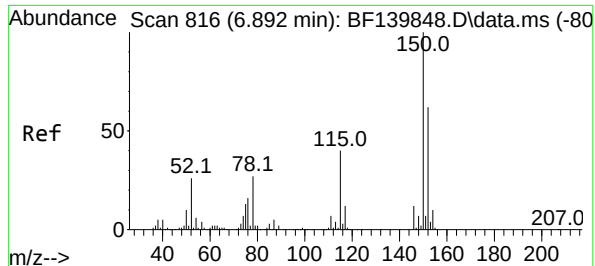
Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOTMS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

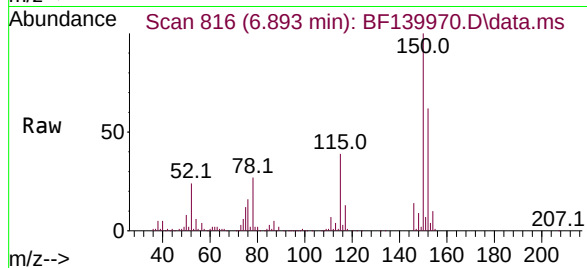
Quant Time: Oct 24 01:10:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

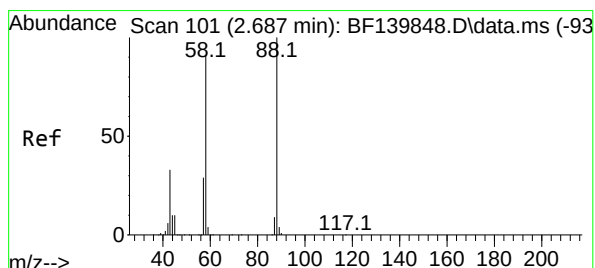
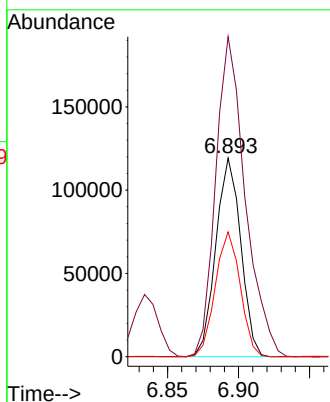
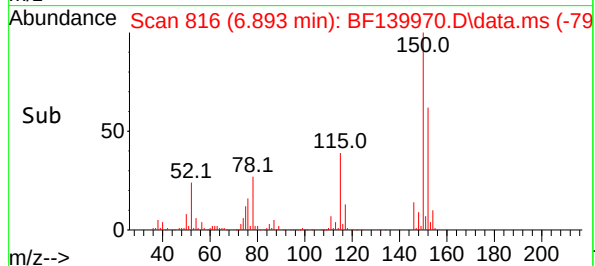
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:152 Resp: 145719
Ion Ratio Lower Upper
152 100
150 161.2 130.2 195.2
115 62.9 51.4 77.2

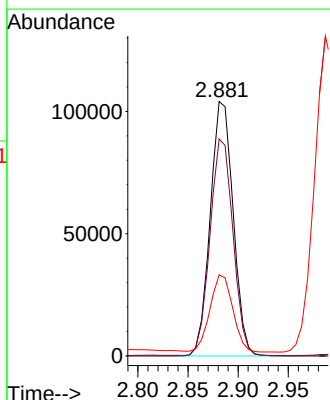
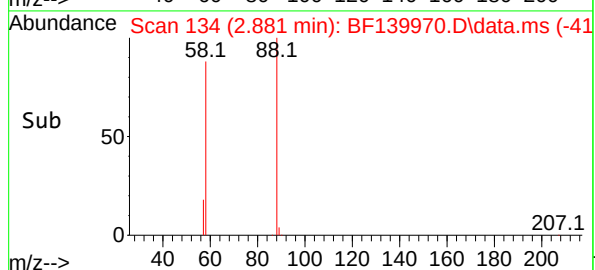
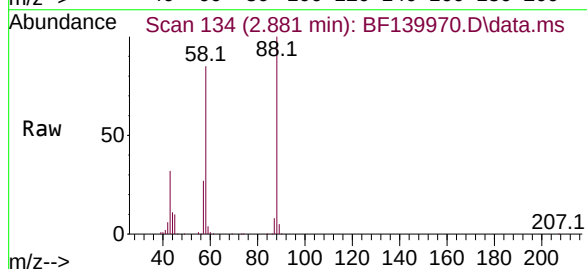
Manual Integrations
APPROVED

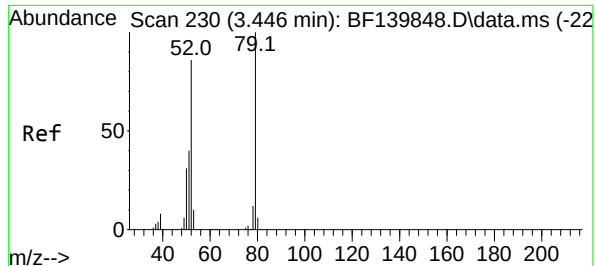
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#2
1,4-Dioxane
Concen: 38.134 ng
RT: 2.881 min Scan# 134
Delta R.T. 0.194 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion: 88 Resp: 165499
Ion Ratio Lower Upper
88 100
58 85.4 73.3 109.9
43 0.0 27.1 40.7#





#3

Pyridine

Concen: 26.127 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.141 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion: 79 Resp: 28105

Ion Ratio Lower Upper

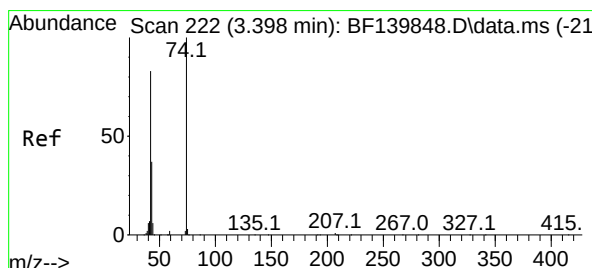
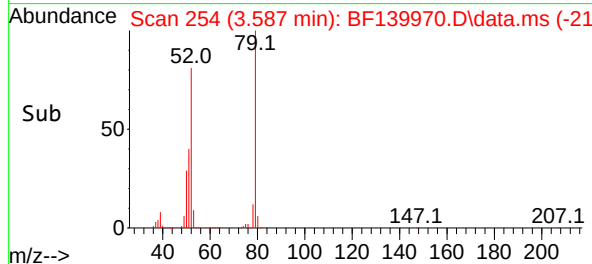
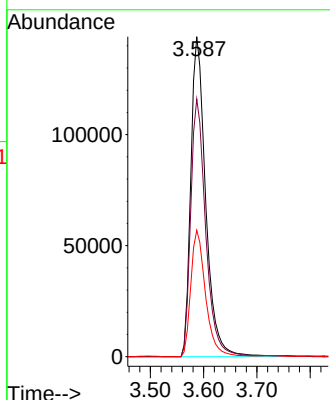
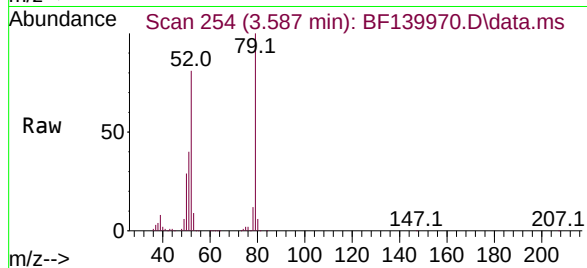
79 100

52 80.6 68.5 102.7

51 39.5 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#4

n-Nitrosodimethylamine

Concen: 39.672 ng

RT: 3.516 min Scan# 242

Delta R.T. 0.118 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

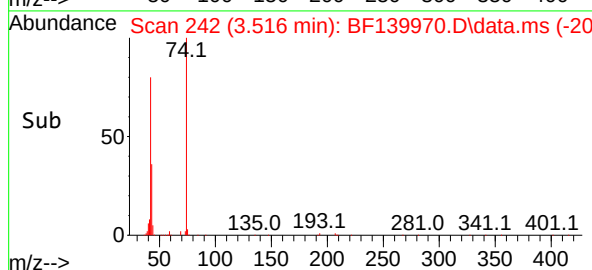
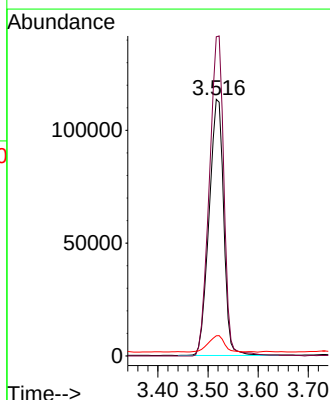
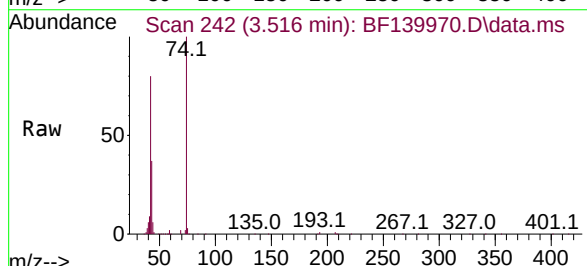
Tgt Ion: 42 Resp: 229291

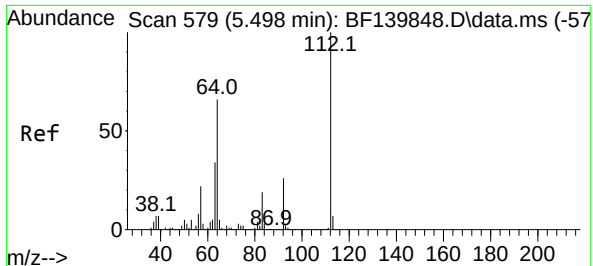
Ion Ratio Lower Upper

42 100

74 124.4 96.2 144.4

44 7.9 6.2 9.2





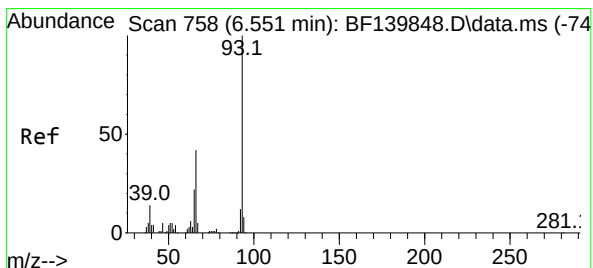
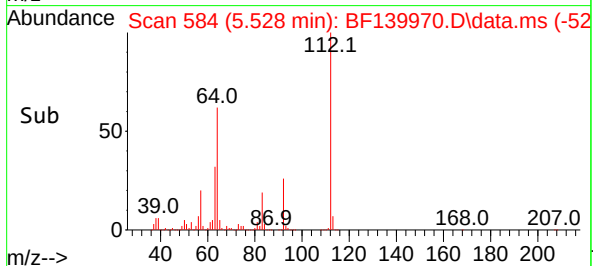
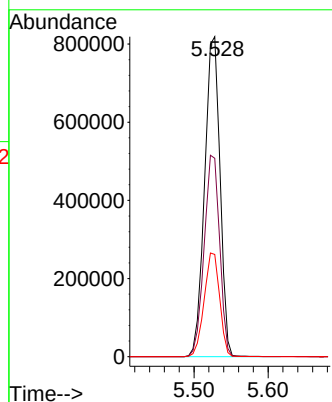
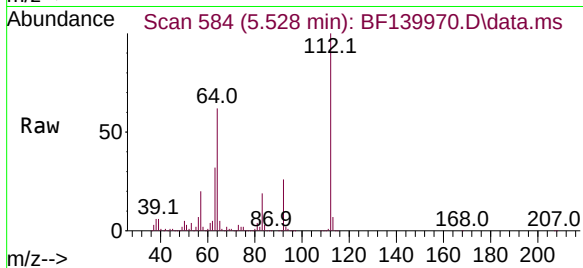
#5
2-Fluorophenol
Concen: 127.220 ng
RT: 5.528 min Scan# 50
Delta R.T. 0.030 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Tgt Ion:112 Resp: 1184189
Ion Ratio Lower Upper
112 100
64 62.0 53.0 79.6
63 32.0 27.0 40.4

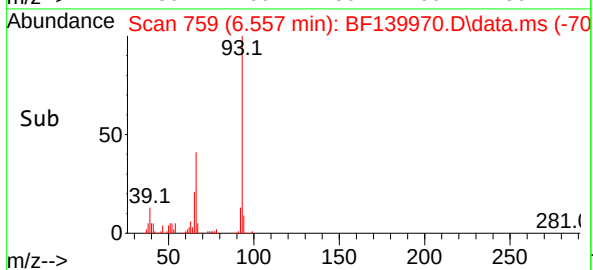
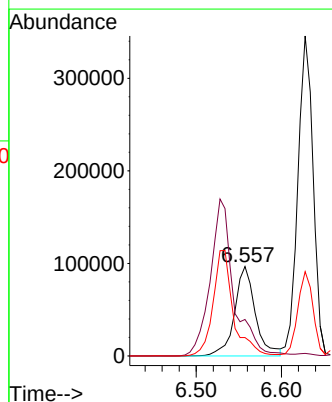
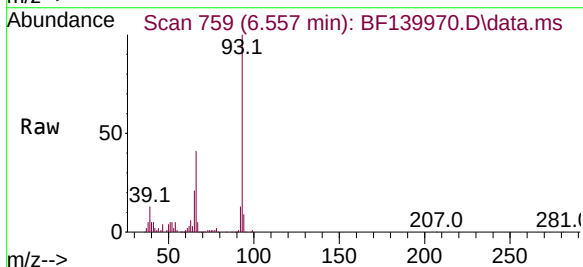
Manual Integrations
APPROVED

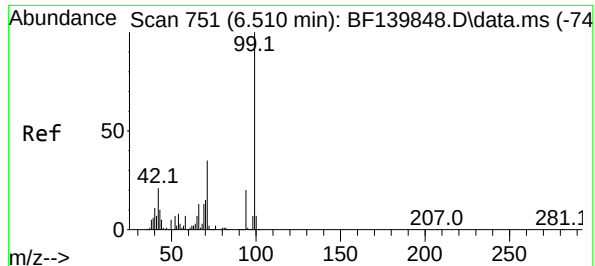
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#6
Aniline
Concen: 14.585 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

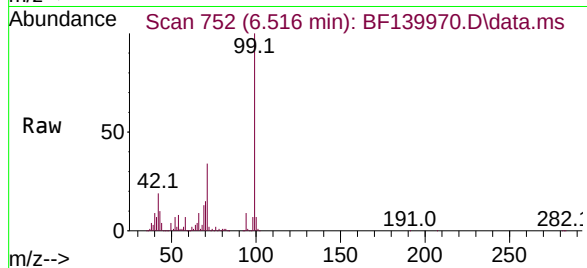
Tgt Ion: 93 Resp: 163876
Ion Ratio Lower Upper
93 100
66 40.8 34.0 51.0
65 20.6 17.4 26.0





#7
Phenol-d6
Concen: 118.007 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

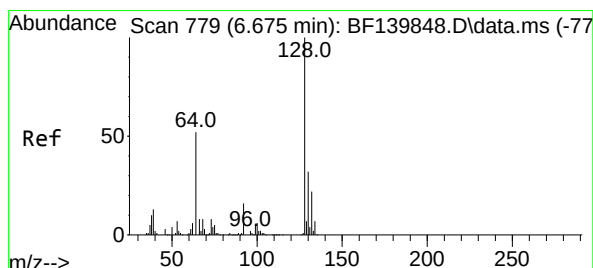
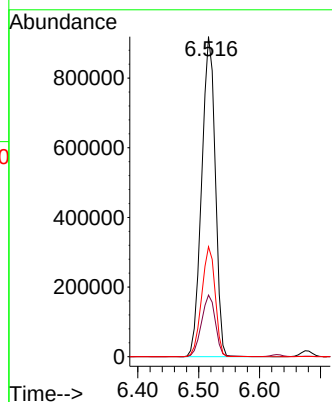
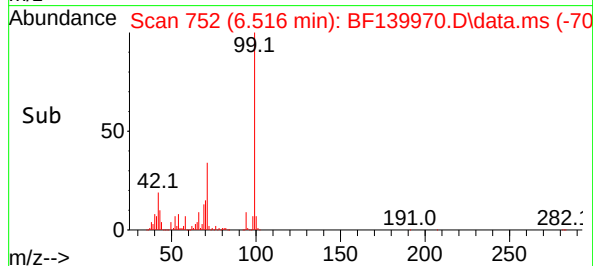
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion: 99 Resp: 1422654
Ion Ratio Lower Upper
99 100
42 19.2 16.7 25.1
71 34.4 27.7 41.5

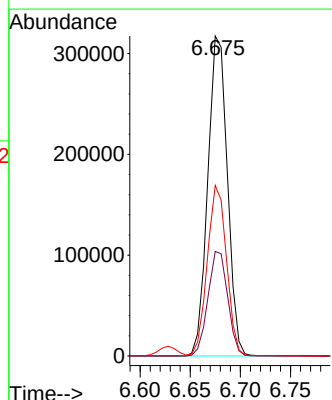
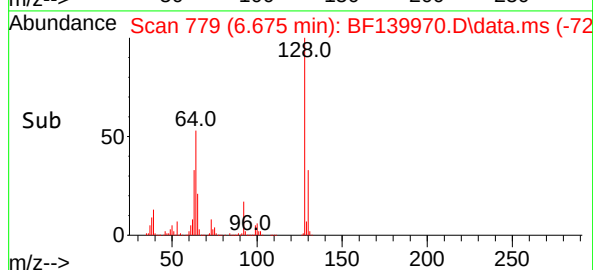
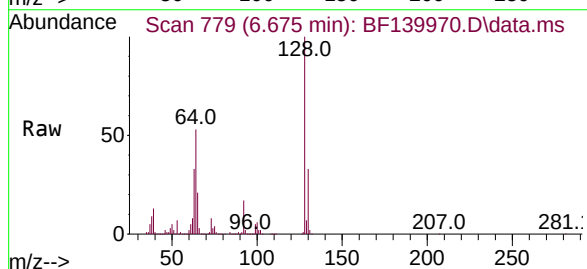
Manual Integrations
APPROVED

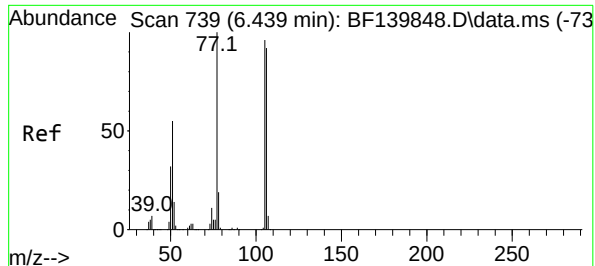
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#8
2-Chlorophenol
Concen: 45.386 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:128 Resp: 431885
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 53.3 34.6 74.6





#9

Benzaldehyde

Concen: 3.999 ng

RT: 6.446 min Scan# 740

Delta R.T. 0.007 min

Lab File: BF139970.D

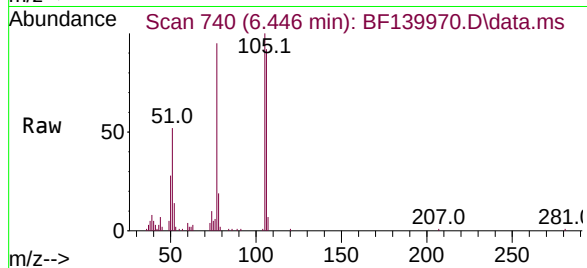
Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

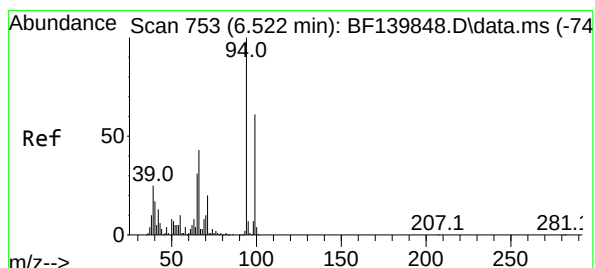
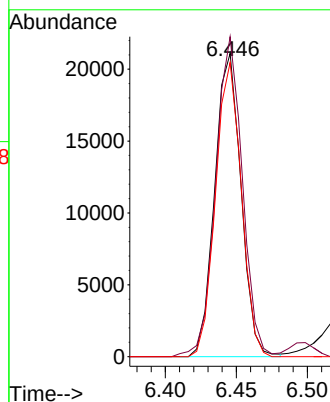
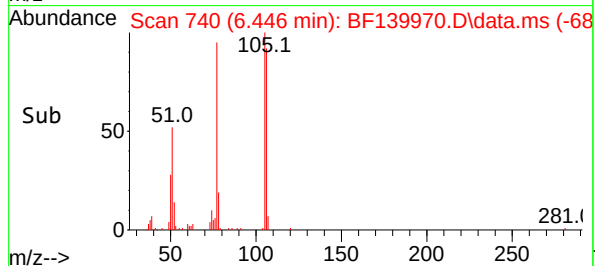


Tgt Ion:	77	Resp:	27124
Ion	Ratio	Lower	Upper
77	100		
105	105.5	75.5	115.5
106	97.0	71.7	111.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#10

Phenol

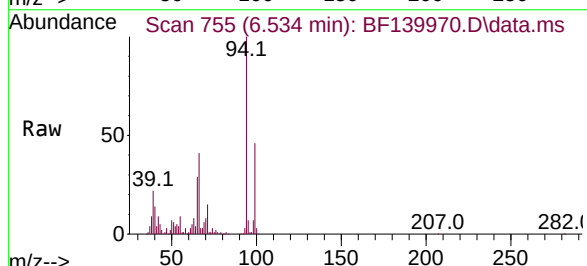
Concen: 40.620 ng m

RT: 6.534 min Scan# 755

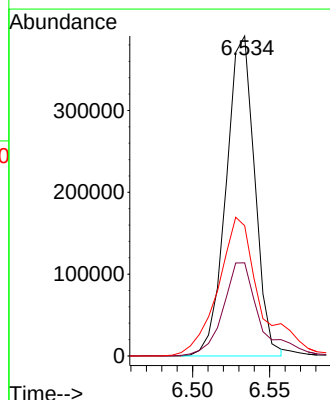
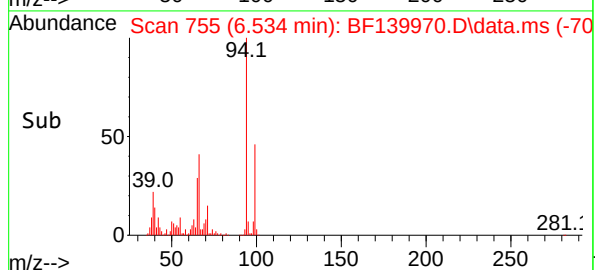
Delta R.T. 0.012 min

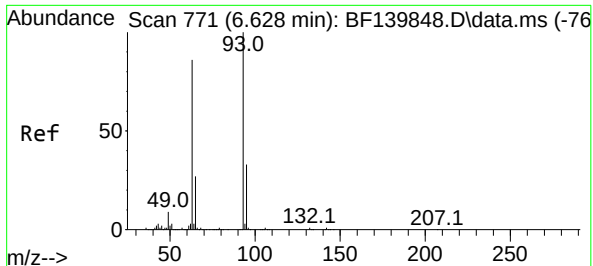
Lab File: BF139970.D

Acq: 23 Oct 2024 17:59



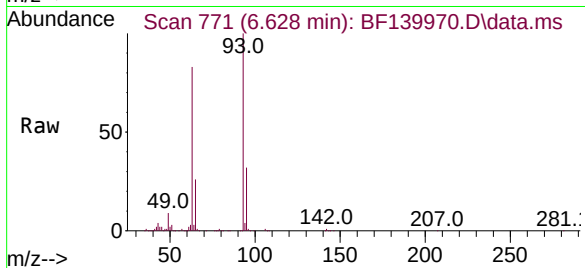
Tgt Ion:	94	Resp:	504851
Ion	Ratio	Lower	Upper
94	100		
65	29.1	11.1	51.1
66	40.7	22.7	62.7





#11
bis(2-Chloroethyl)ether
Concen: 44.667 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

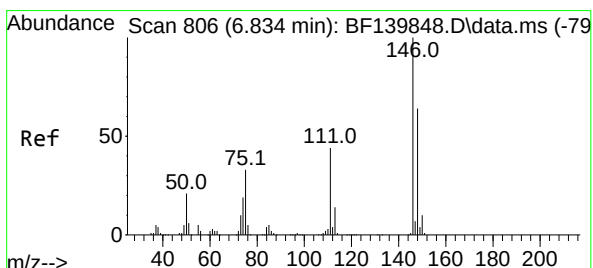
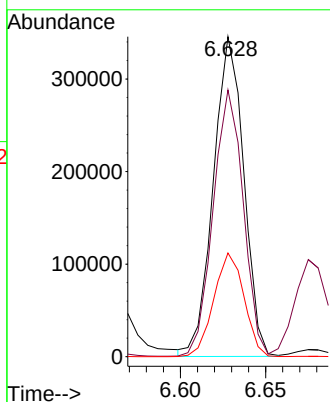
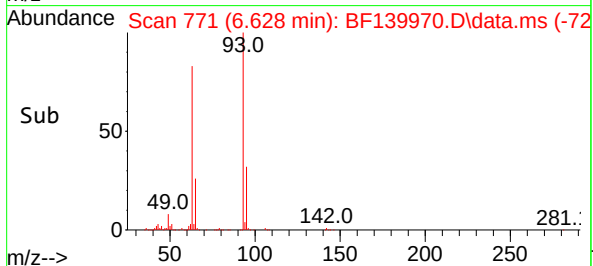
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



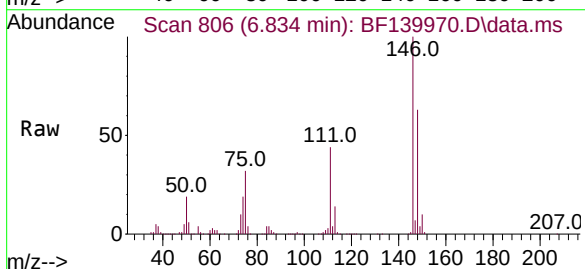
Tgt Ion: 93 Resp: 429093
Ion Ratio Lower Upper
93 100
63 83.3 65.0 105.0
95 32.4 12.4 52.4

Manual Integrations
APPROVED

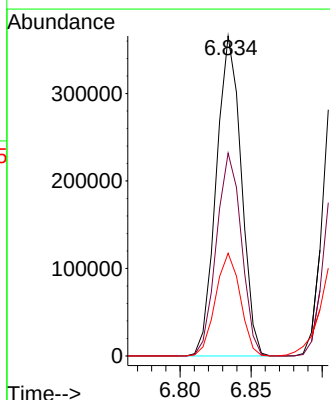
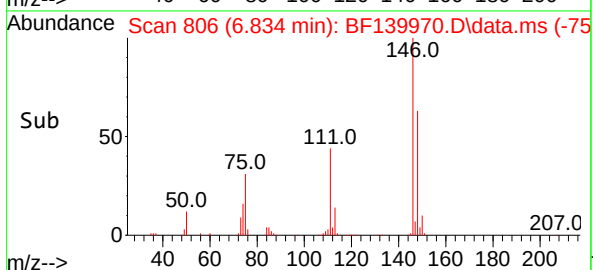
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

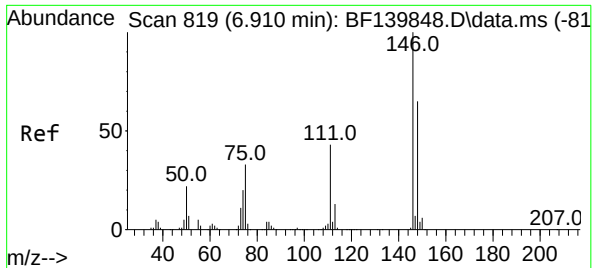


#12
1,3-Dichlorobenzene
Concen: 40.917 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59



Tgt Ion:146 Resp: 446954
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.4
75 32.1 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 41.451 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:146 Resp: 452360

Ion Ratio Lower Upper

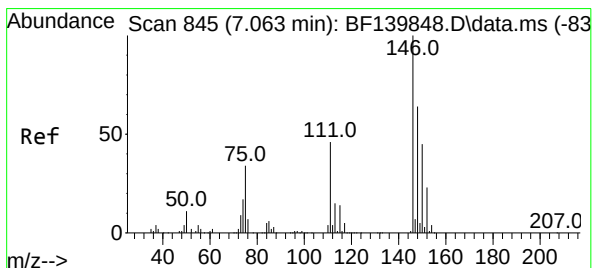
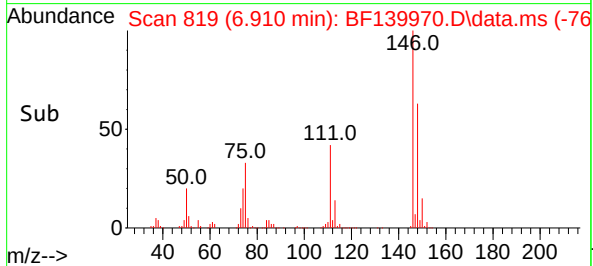
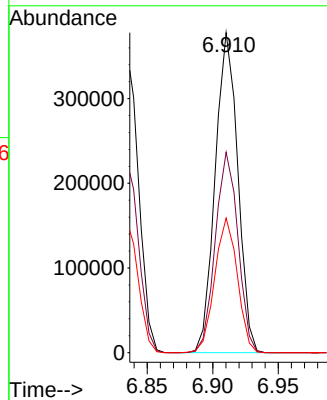
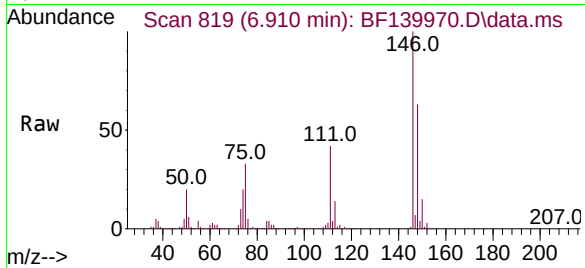
146 100

148 62.7 51.8 77.8

111 42.0 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#14

1,2-Dichlorobenzene

Concen: 42.925 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

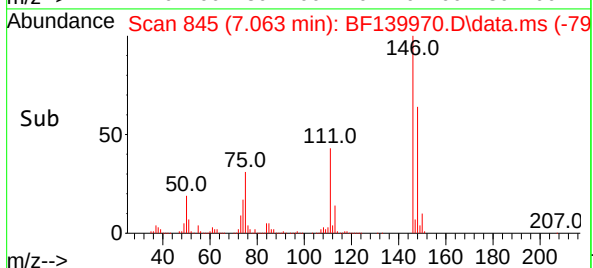
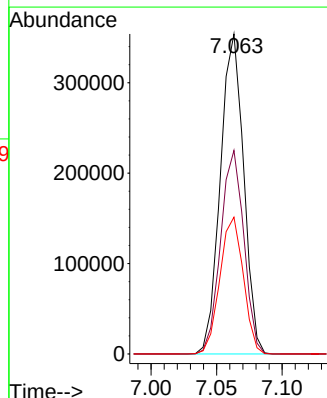
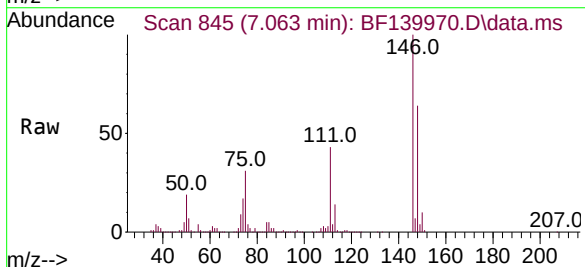
Tgt Ion:146 Resp: 437203

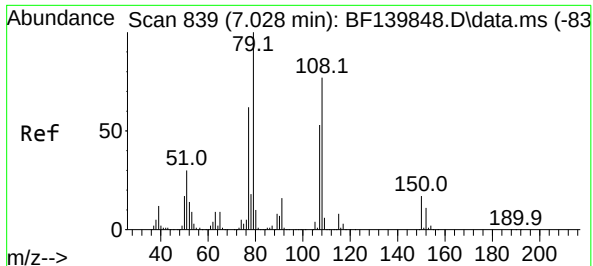
Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.2

111 42.8 36.7 55.1





#15

Benzyl Alcohol

Concen: 44.575 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion: 79 Resp: 39418

Ion Ratio Lower Upper

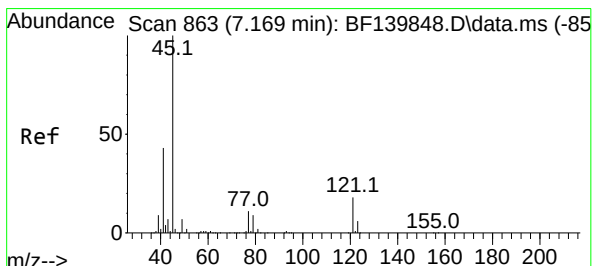
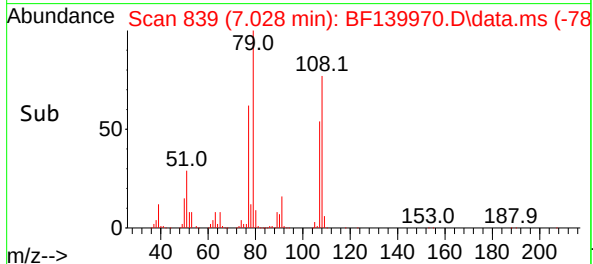
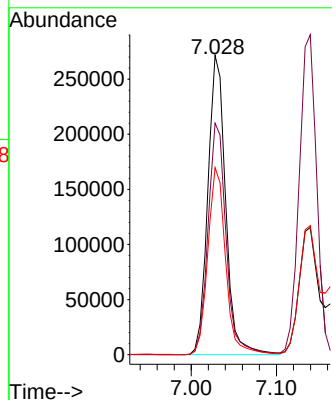
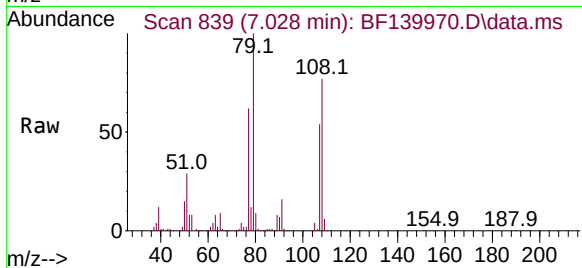
79 100

108 77.3 61.4 92.0

77 62.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.277 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

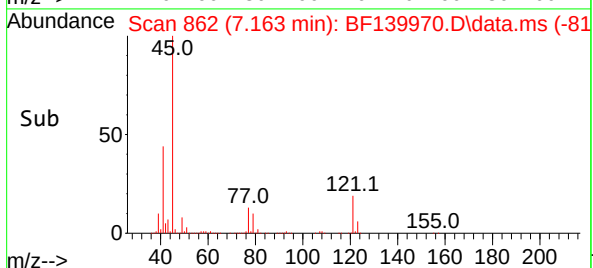
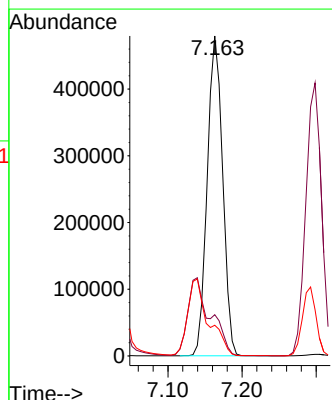
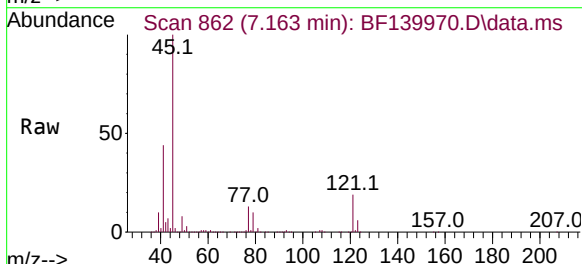
Tgt Ion: 45 Resp: 692518

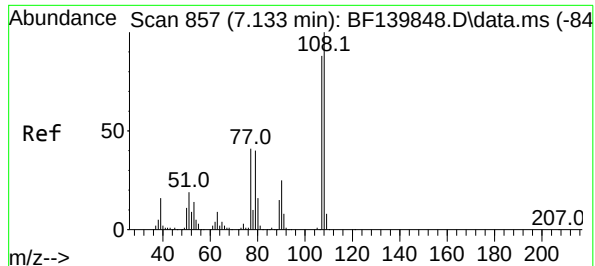
Ion Ratio Lower Upper

45 100

77 12.9 0.0 31.5

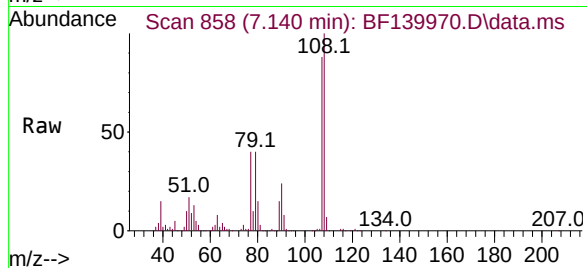
79 9.6 0.0 29.1





#17
2-Methylphenol
Concen: 44.661 ng
RT: 7.140 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

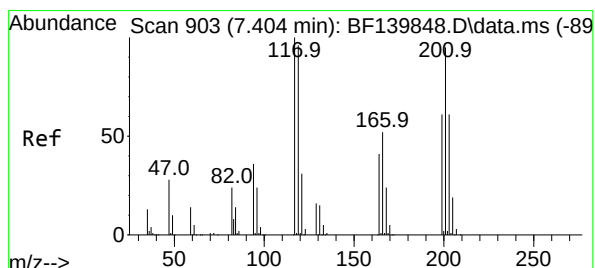
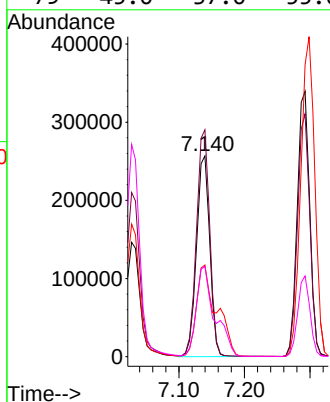
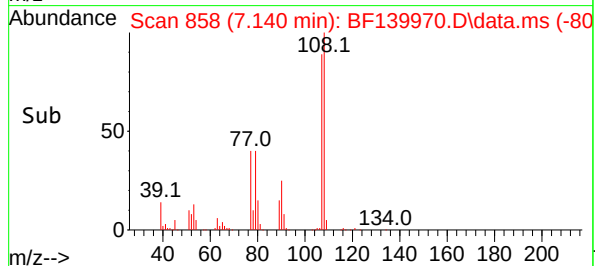
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:107 Resp: 362384
Ion Ratio Lower Upper
107 100
108 113.0 91.3 136.9
77 45.6 37.1 55.7
79 45.0 37.0 55.6

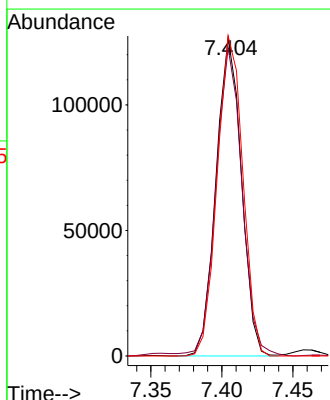
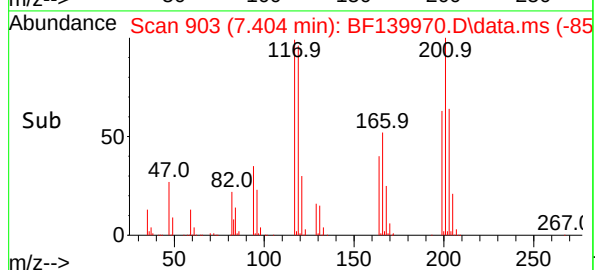
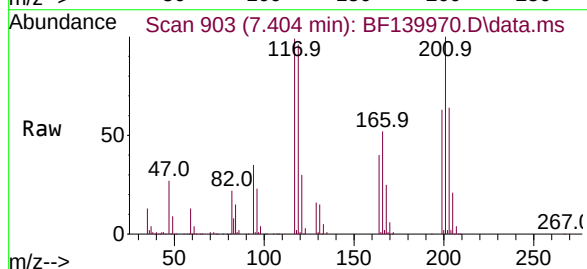
Manual Integrations
APPROVED

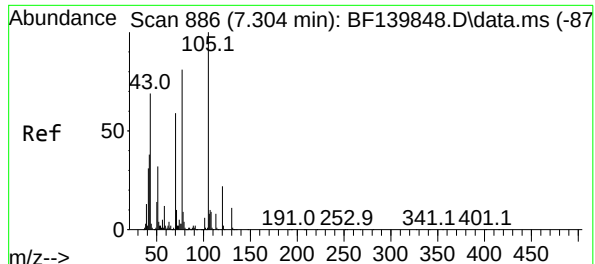
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#18
Hexachloroethane
Concen: 40.335 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:117 Resp: 156969
Ion Ratio Lower Upper
117 100
119 96.9 77.0 115.4
201 100.6 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 43.605 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion: 70 Resp: 318820

Ion Ratio Lower Upper

70 100

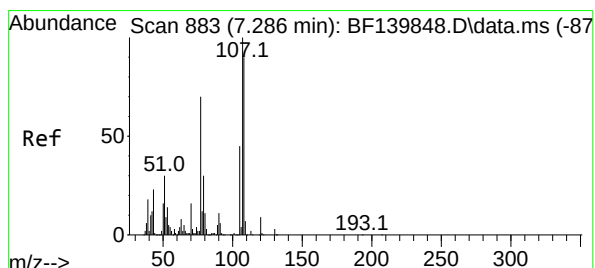
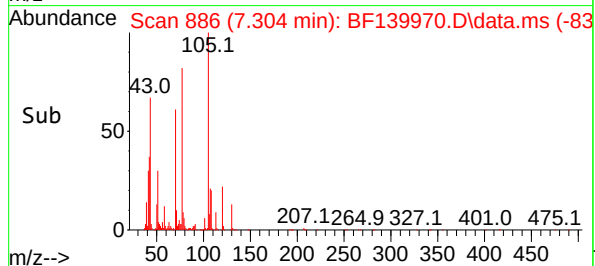
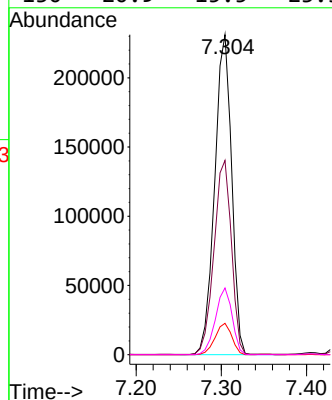
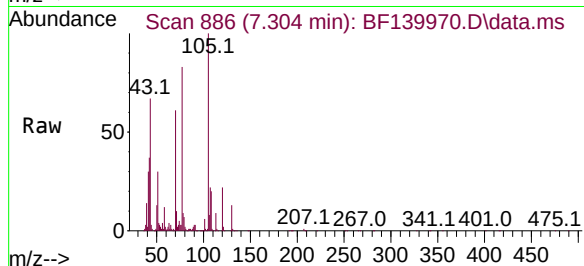
42 60.7 51.5 77.3

101 9.8 7.5 11.3

130 20.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#20

3+4-Methylphenols

Concen: 43.152 ng

RT: 7.293 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Tgt Ion:107 Resp: 447860

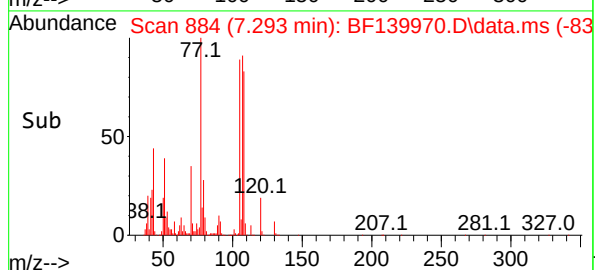
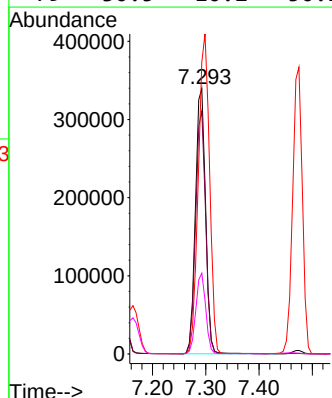
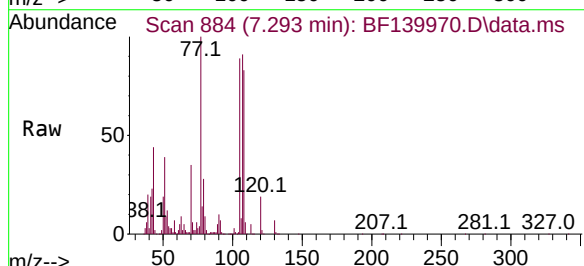
Ion Ratio Lower Upper

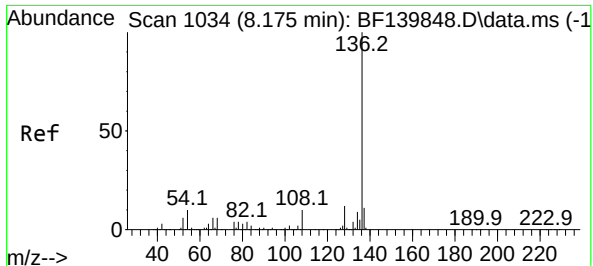
107 100

108 91.6 69.8 109.8

77 110.0 50.5 90.5#

79 30.5 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139970.D

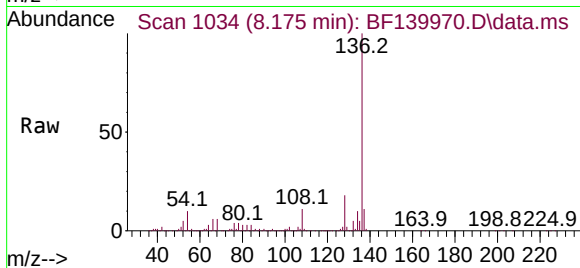
Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS



Tgt Ion:136 Resp: 539980

Ion Ratio Lower Upper

136 100

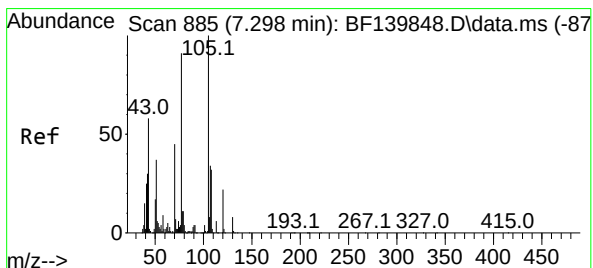
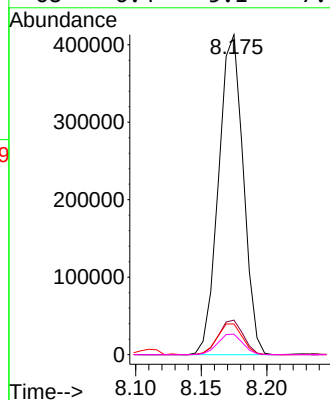
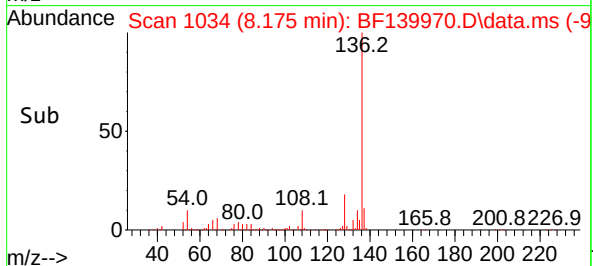
137 10.8 8.6 12.8

54 9.6 8.4 12.6

68 6.4 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#22

Acetophenone

Concen: 44.596 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Tgt Ion:105 Resp: 589821

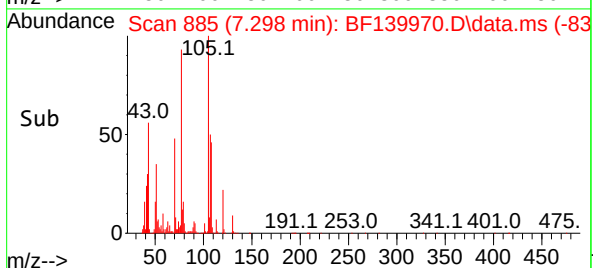
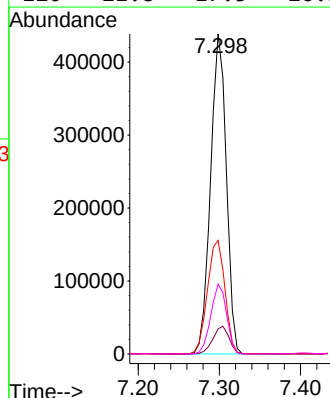
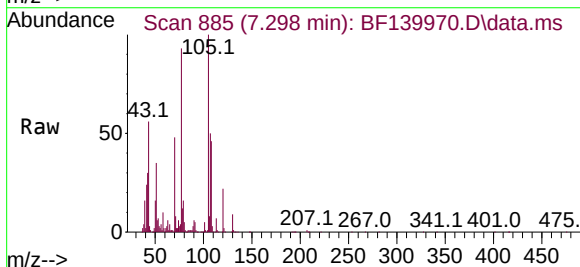
Ion Ratio Lower Upper

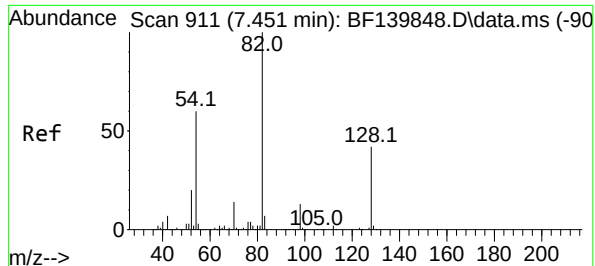
105 100

71 7.9 5.9 8.9

51 35.5 29.4 44.2

120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 99.596 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion: 82 Resp: 97034

Ion Ratio Lower Upper

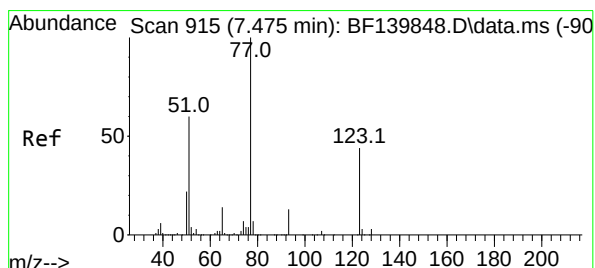
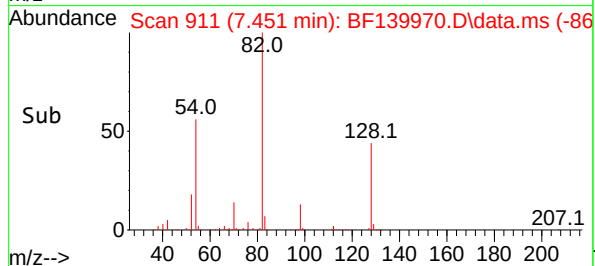
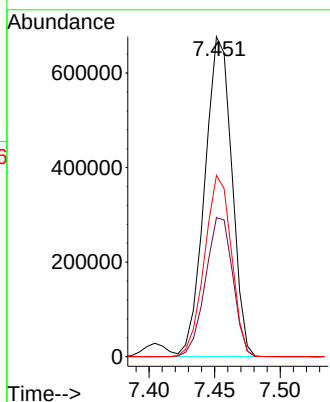
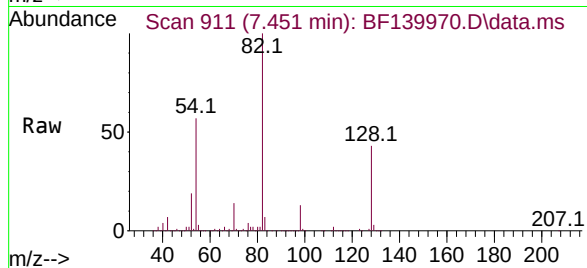
82 100

128 43.5 33.4 50.0

54 56.6 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#24

Nitrobenzene

Concen: 43.488 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

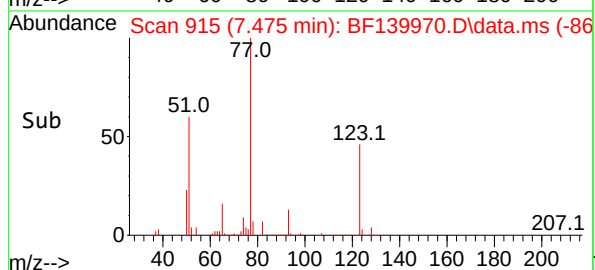
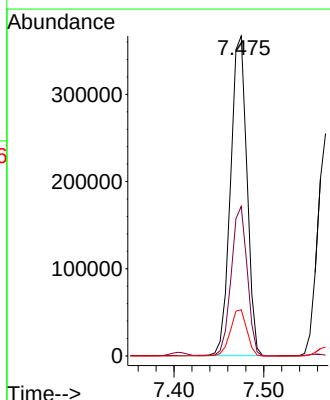
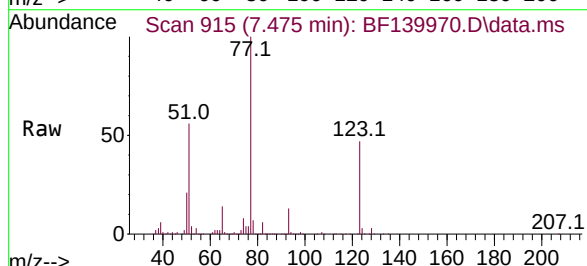
Tgt Ion: 77 Resp: 464539

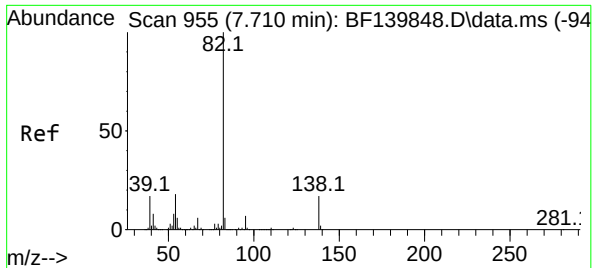
Ion Ratio Lower Upper

77 100

123 46.7 35.7 53.5

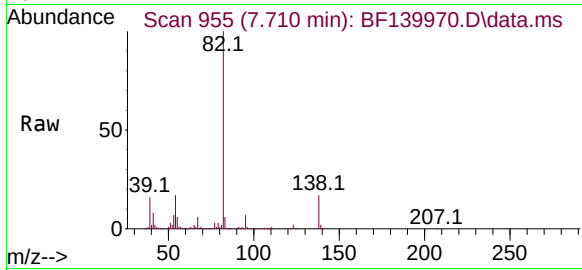
65 14.4 11.5 17.3





#25
Isophorone
Concen: 45.993 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

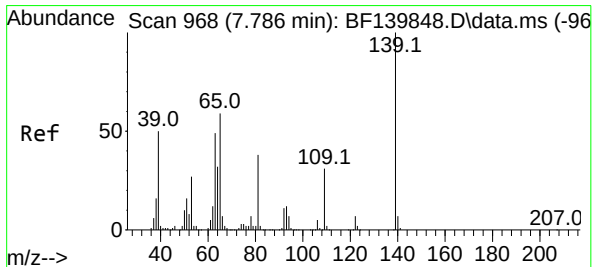
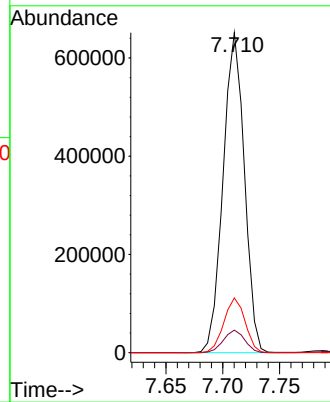
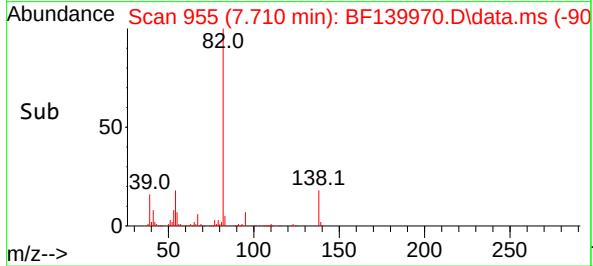
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion: 82 Resp: 85048
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.1 13.2 19.8

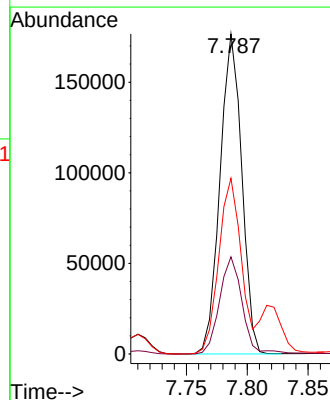
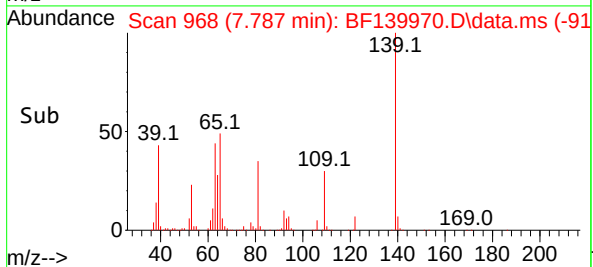
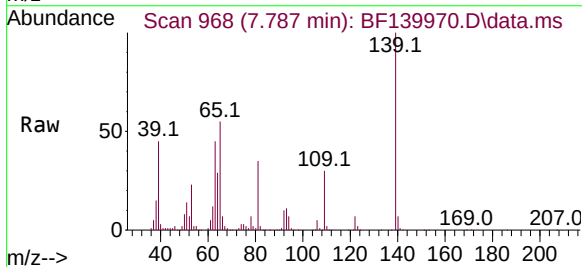
Manual Integrations
APPROVED

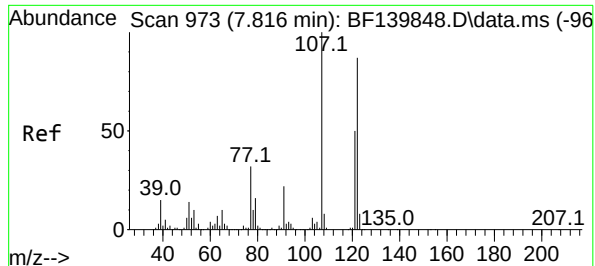
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#26
2-Nitrophenol
Concen: 54.522 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:139 Resp: 219714
Ion Ratio Lower Upper
139 100
109 30.3 25.1 37.7
65 54.9 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 54.112 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139970.D

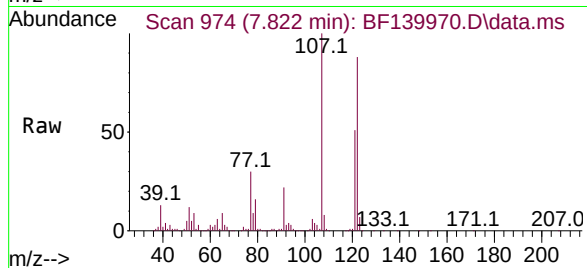
Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS



Tgt Ion:122 Resp: 363608

Ion Ratio Lower Upper

122 100

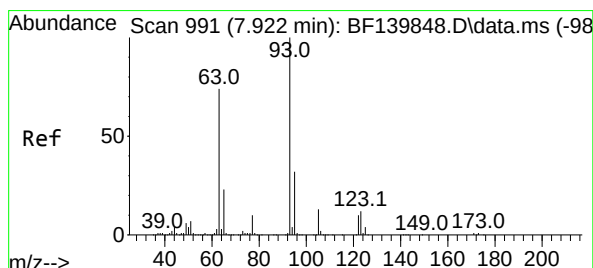
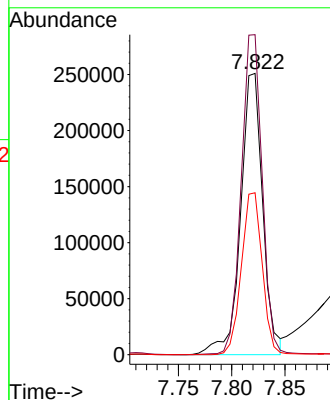
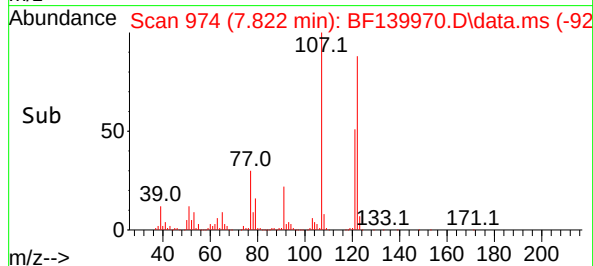
107 113.8 91.9 137.9

121 57.6 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024



#28

bis(2-Chloroethoxy)methane

Concen: 45.617 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

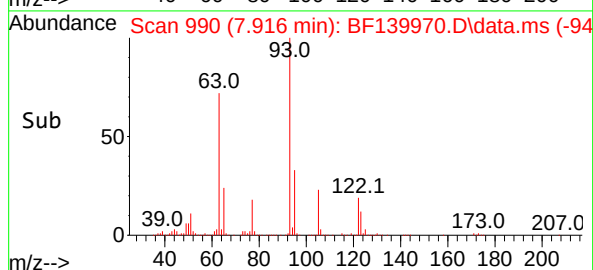
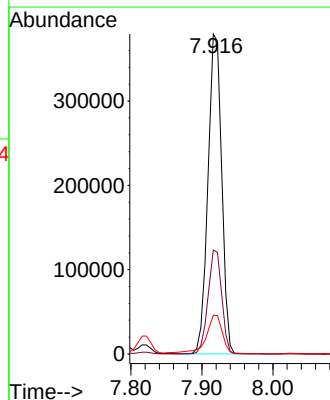
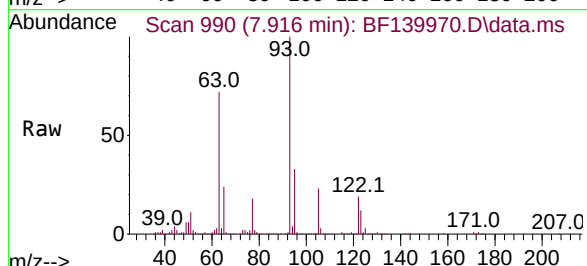
Tgt Ion: 93 Resp: 511077

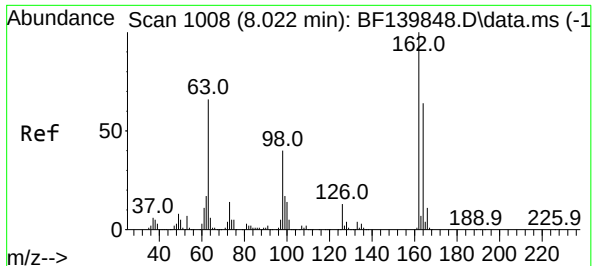
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 12.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 45.980 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:162 Resp: 351914

Ion Ratio Lower Upper

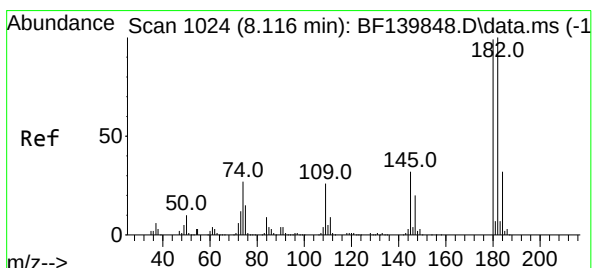
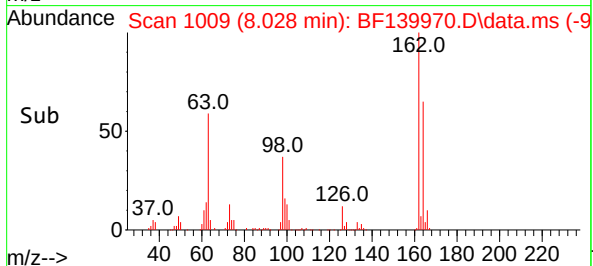
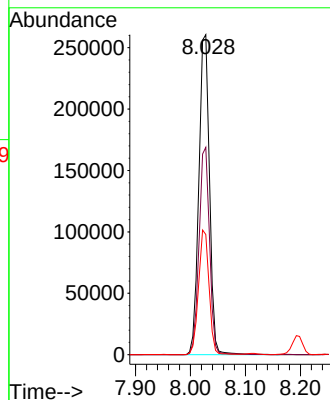
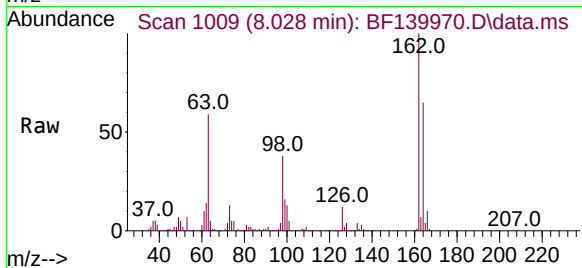
162 100

164 64.8 43.9 83.9

98 37.5 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#30

1,2,4-Trichlorobenzene

Concen: 43.151 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

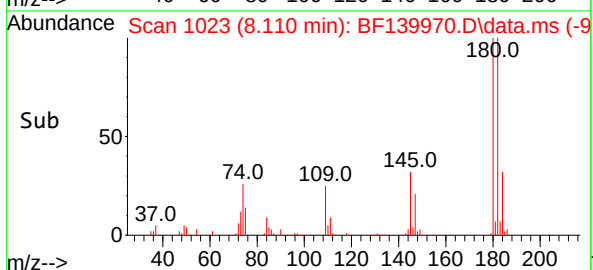
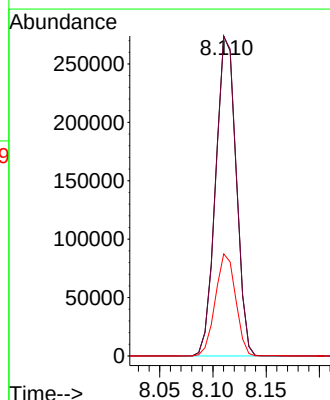
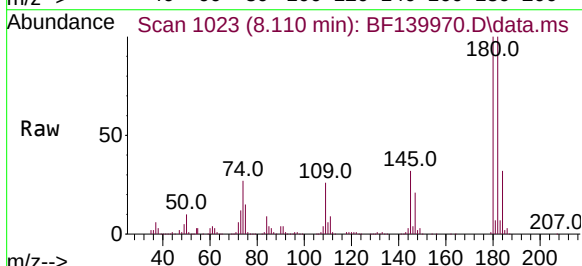
Tgt Ion:180 Resp: 365443

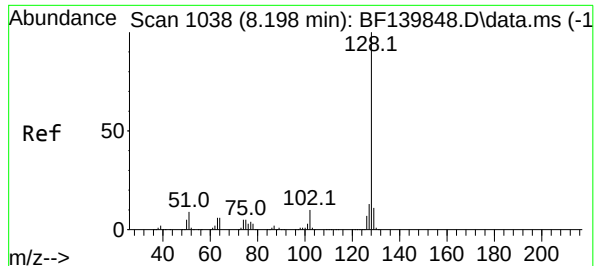
Ion Ratio Lower Upper

180 100

182 99.8 80.5 120.7

145 31.9 25.4 38.0





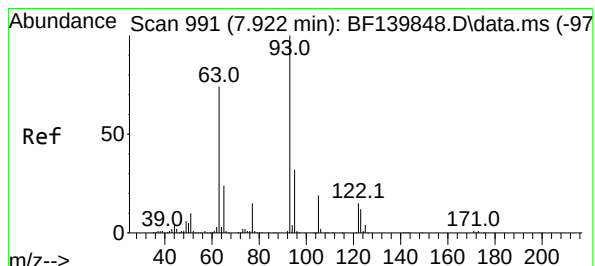
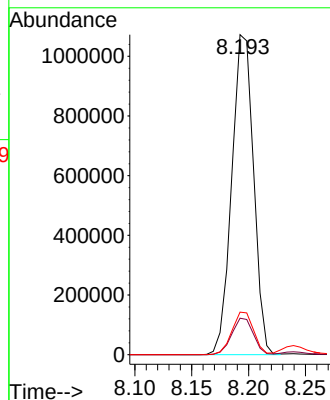
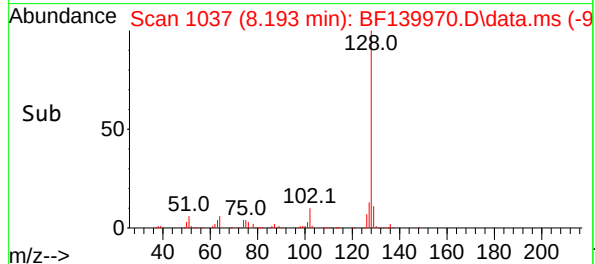
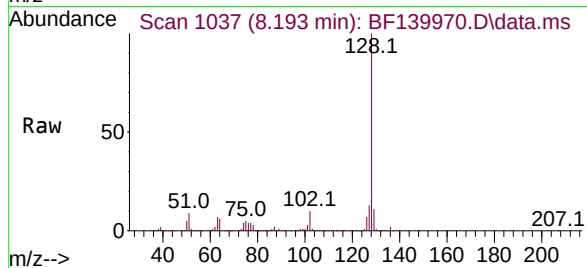
#31
Naphthalene
Concen: 51.466 ng
RT: 8.193 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Tgt Ion:128 Resp: 143326
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.3 10.6 16.0

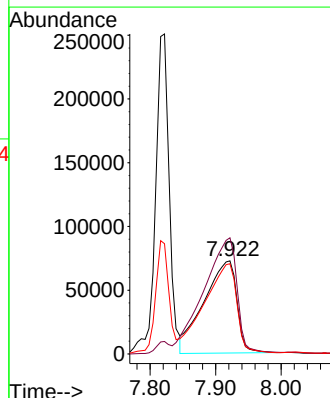
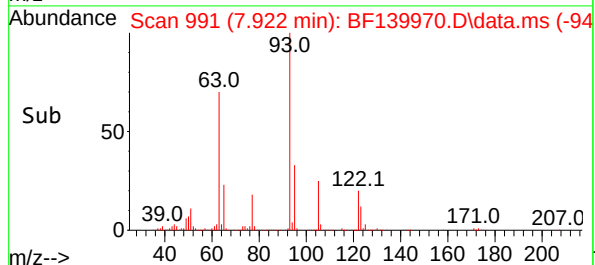
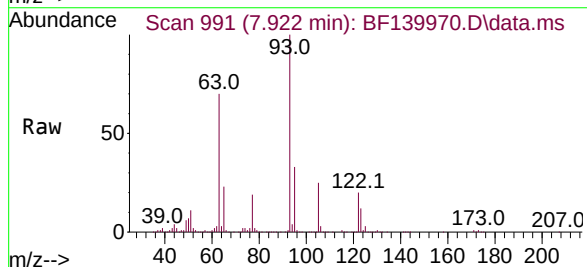
Manual Integrations
APPROVED

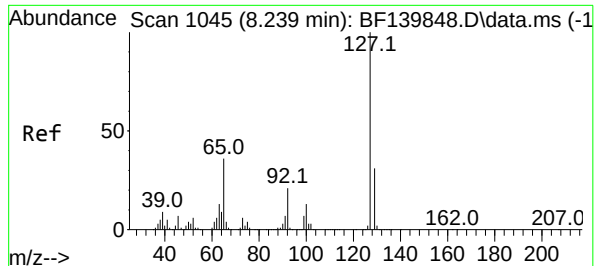
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#32
Benzoic acid
Concen: 43.040 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:122 Resp: 252244
Ion Ratio Lower Upper
122 100
105 124.8 107.6 147.6
77 96.9 80.2 120.2





#33

4-Chloroaniline

Concen: 5.920 ng

RT: 8.240 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:127 Resp: 56215

Ion Ratio Lower Upper

127 100

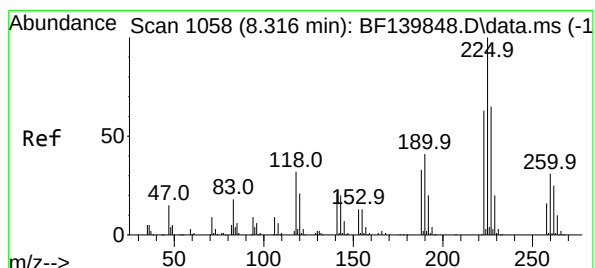
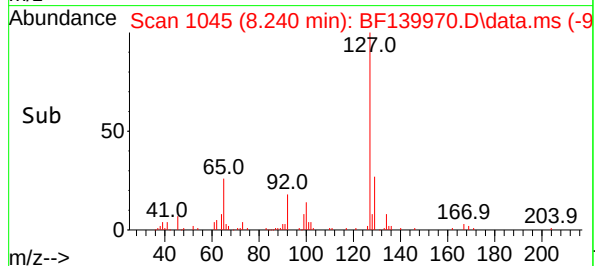
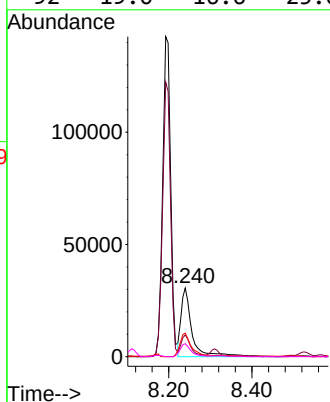
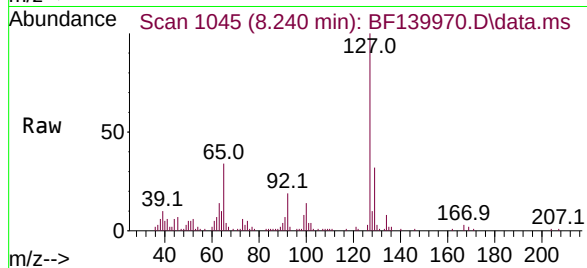
129 31.6 25.4 38.2

65 34.2 28.4 42.6

92 19.0 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#34

Hexachlorobutadiene

Concen: 43.553 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

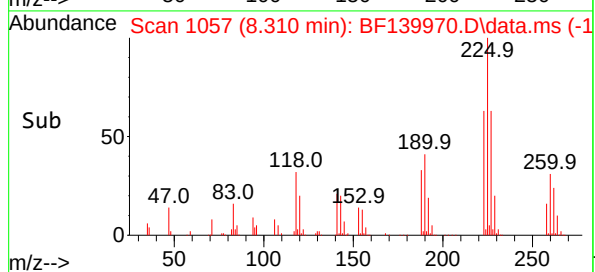
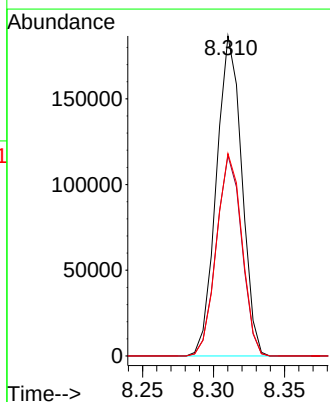
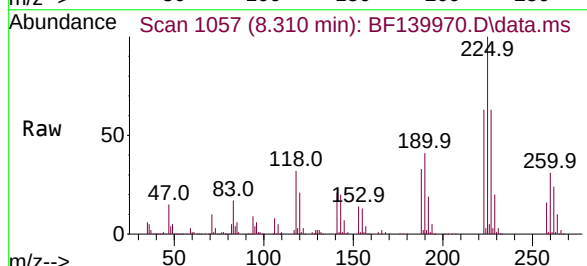
Tgt Ion:225 Resp: 231750

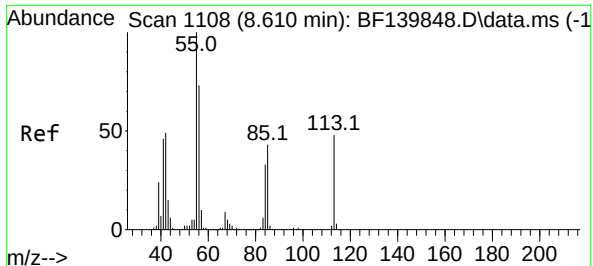
Ion Ratio Lower Upper

225 100

223 62.7 50.6 76.0

227 63.2 51.8 77.8





#35

Caprolactam

Concen: 39.344 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.012 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:113 Resp: 9574

Ion Ratio Lower Upper

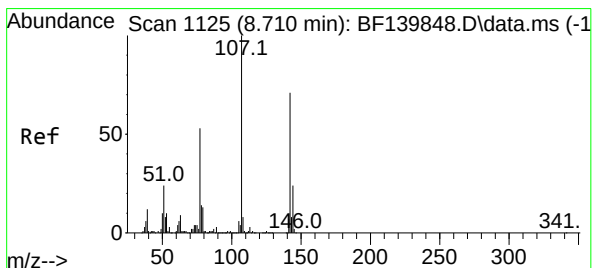
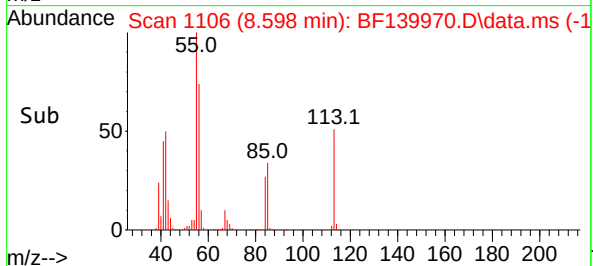
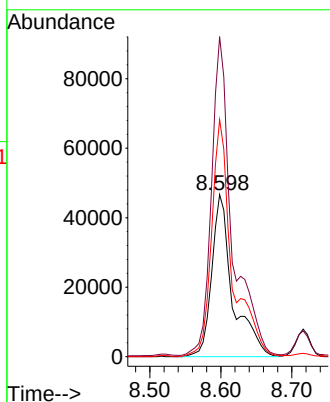
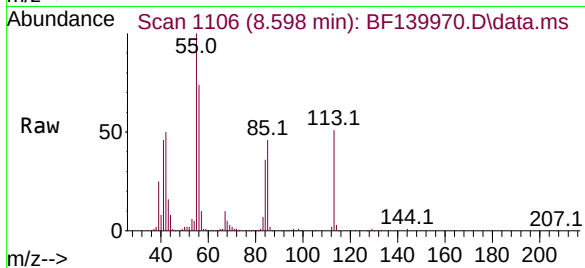
113 100

55 197.4 189.2 229.2

56 146.2 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#36

4-Chloro-3-methylphenol

Concen: 43.404 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

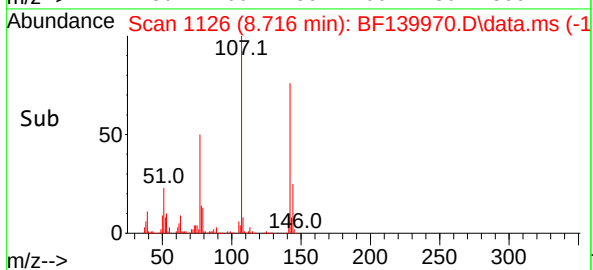
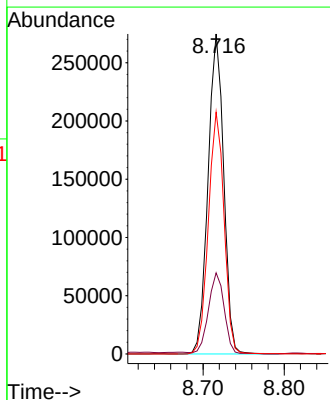
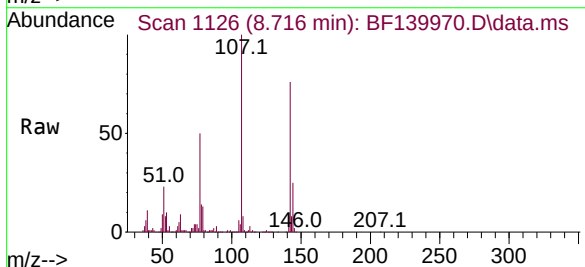
Tgt Ion:107 Resp: 367844

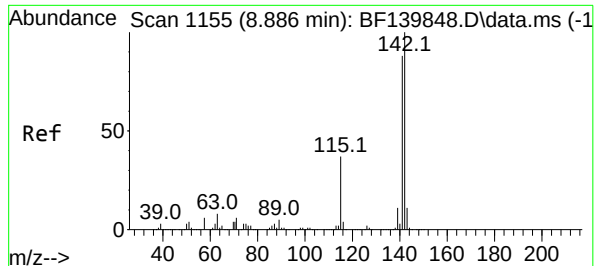
Ion Ratio Lower Upper

107 100

144 25.3 19.1 28.7

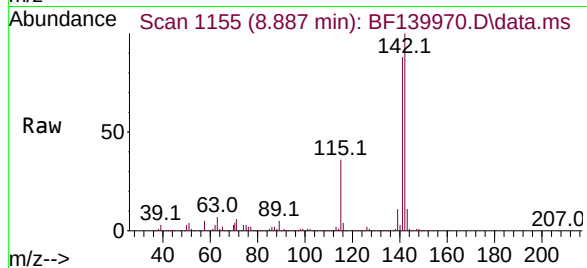
142 75.6 57.2 85.8





#37
2-Methylnaphthalene
Concen: 48.767 ng
RT: 8.887 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

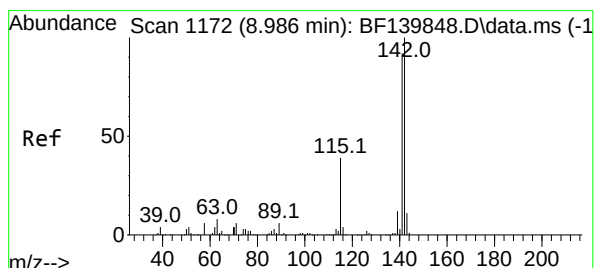
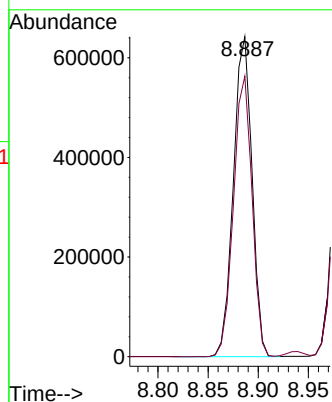
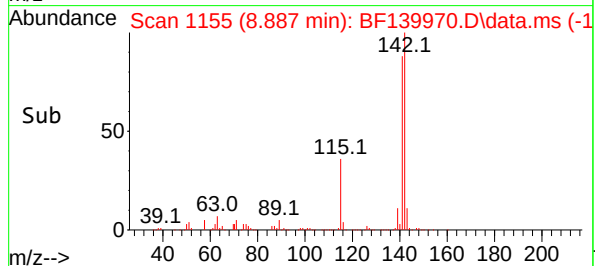
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:142 Resp: 831760
Ion Ratio Lower Upper
142 100
141 87.6 70.8 106.2

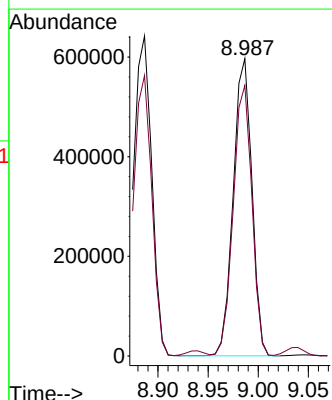
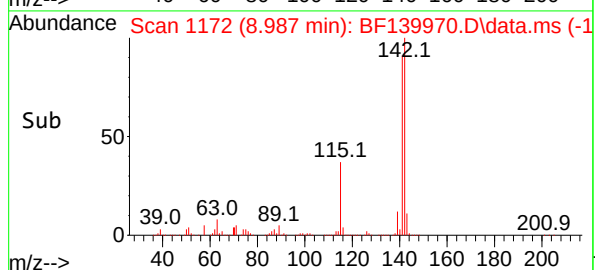
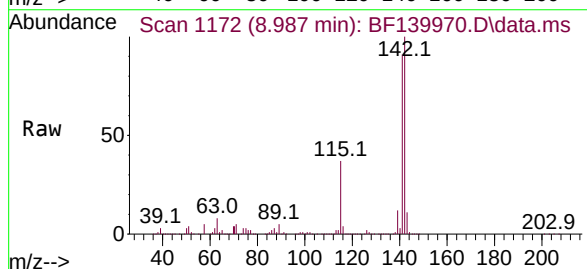
Manual Integrations
APPROVED

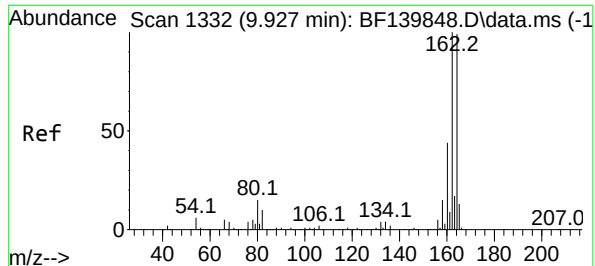
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#38
1-Methylnaphthalene
Concen: 46.225 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:142 Resp: 773515
Ion Ratio Lower Upper
142 100
141 91.0 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:164 Resp: 25965

Ion Ratio Lower Upper

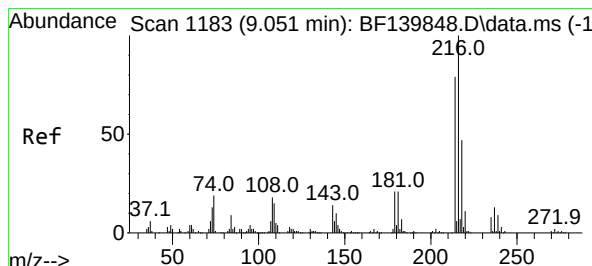
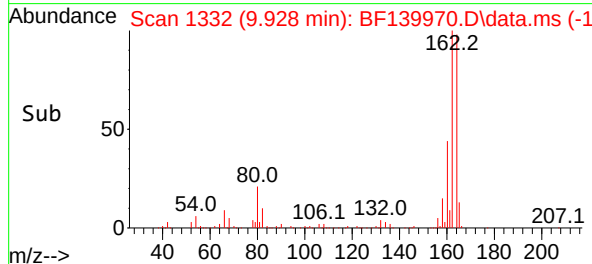
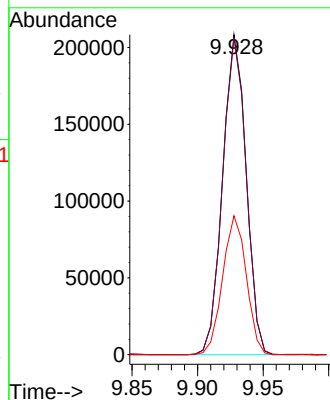
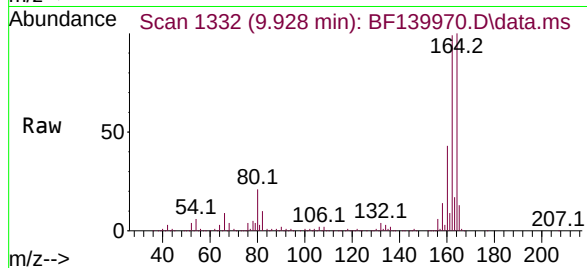
164 100

162 98.9 81.0 121.4

160 43.4 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.222 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Tgt Ion:216 Resp: 358813

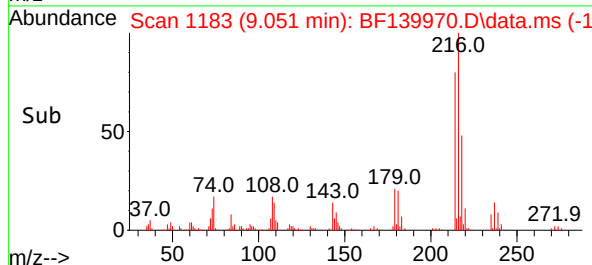
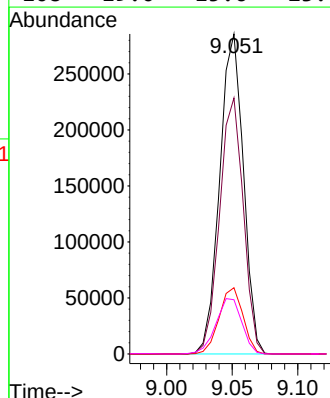
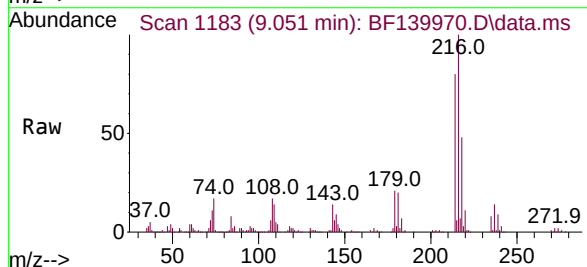
Ion Ratio Lower Upper

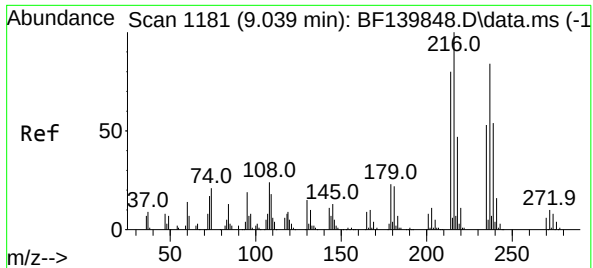
216 100

214 79.9 63.4 95.0

179 20.8 17.2 25.8

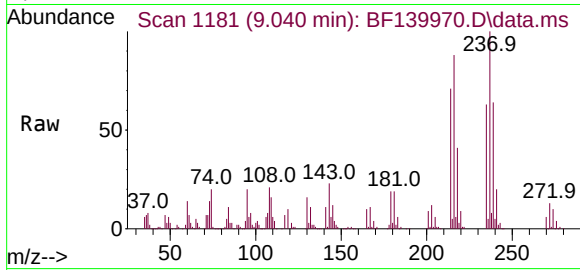
108 19.0 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 82.637 ng
RT: 9.040 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

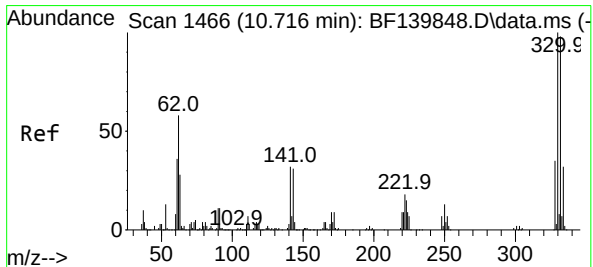
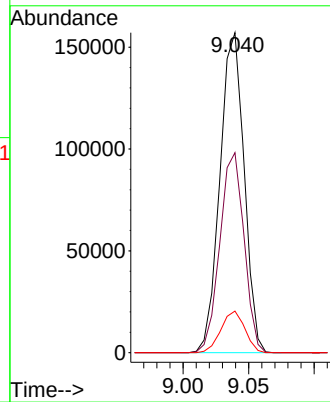
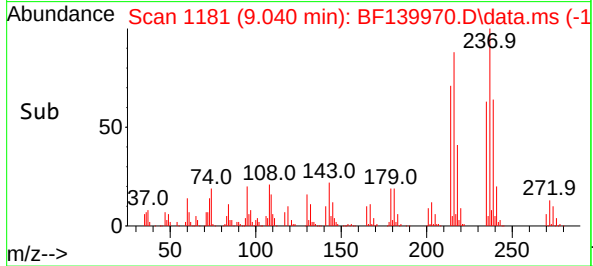
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



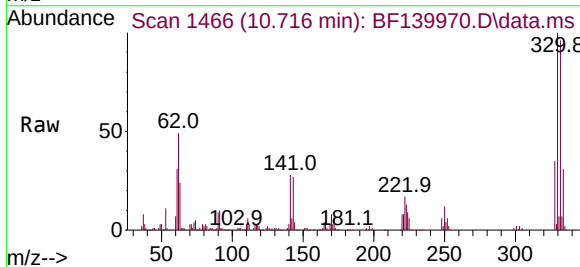
Tgt Ion: 237 Resp: 201420
Ion Ratio Lower Upper
237 100
235 62.5 42.9 82.9
272 13.0 0.0 32.3

Manual Integrations
APPROVED

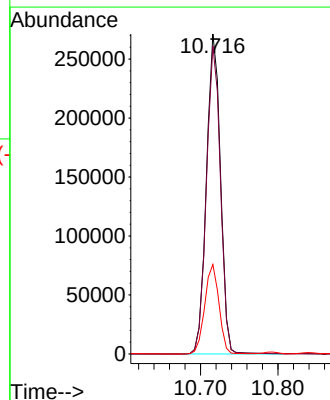
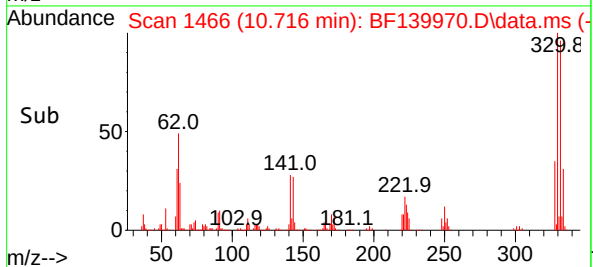
Reviewed By : Jagrut Upadhyay 10/24/2024
Supervised By : mohammad ahmed 10/25/2024

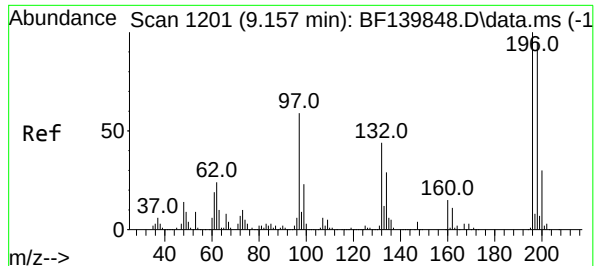


#42
2,4,6-Tribromophenol
Concen: 140.416 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59



Tgt Ion: 330 Resp: 341029
Ion Ratio Lower Upper
330 100
332 96.3 78.1 117.1
141 28.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 52.241 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:196 Resp: 259089

Ion Ratio Lower Upper

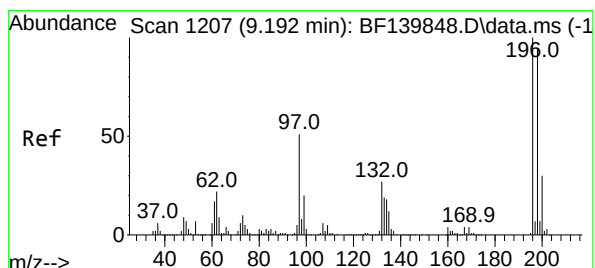
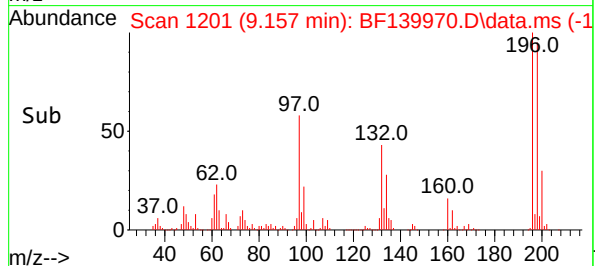
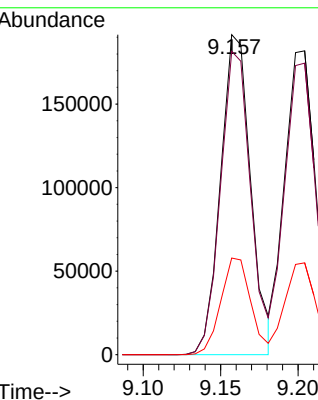
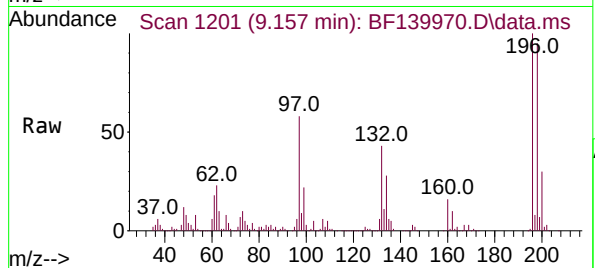
196 100

198 94.8 76.2 114.2

200 30.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#44

2,4,5-Trichlorophenol

Concen: 49.258 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.012 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Tgt Ion:196 Resp: 252046

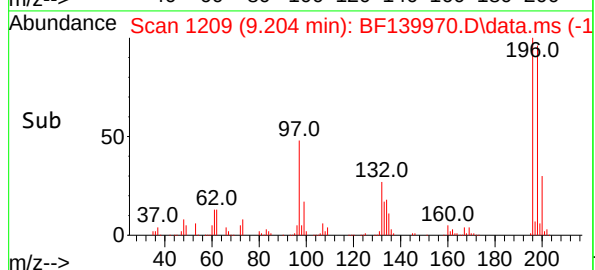
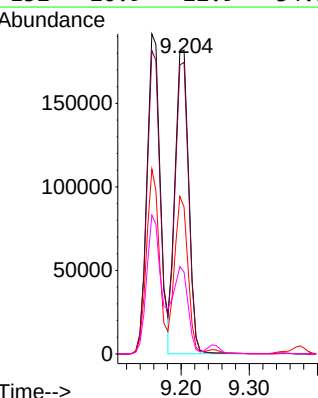
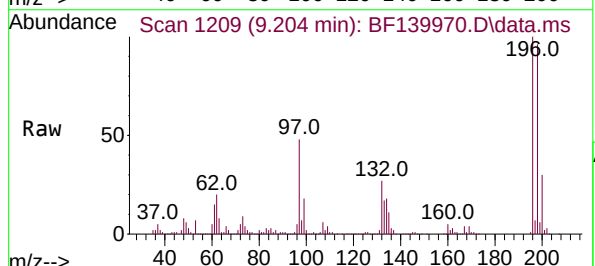
Ion Ratio Lower Upper

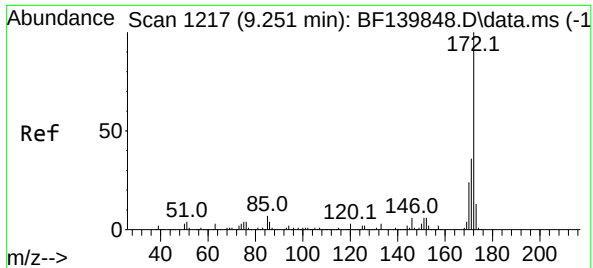
196 100

198 95.9 75.8 113.6

97 48.3 41.8 62.6

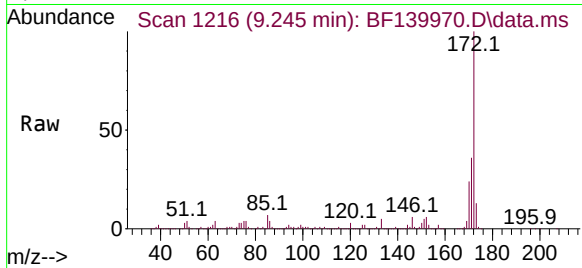
132 26.9 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 101.950 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

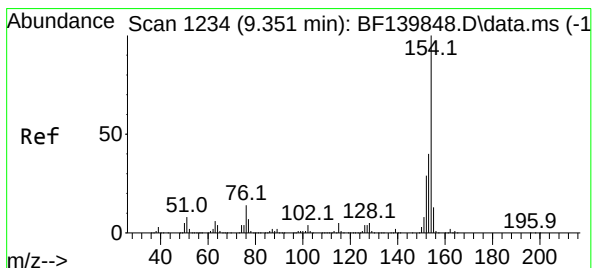
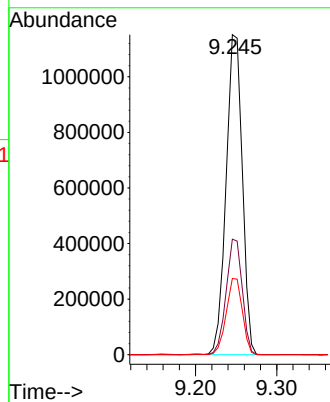
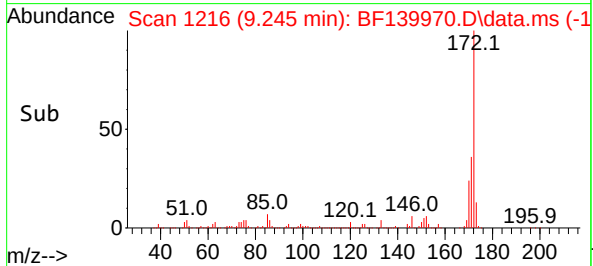
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:172 Resp: 160172
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.8 19.1 28.7

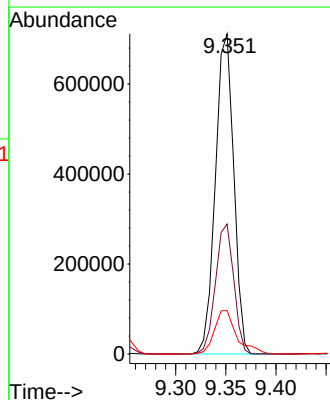
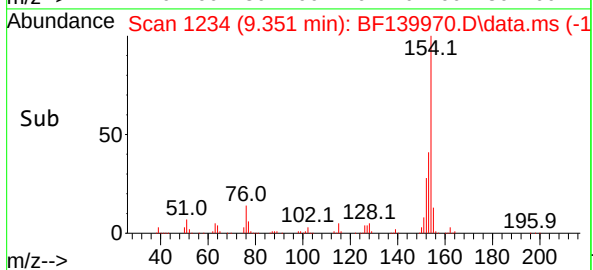
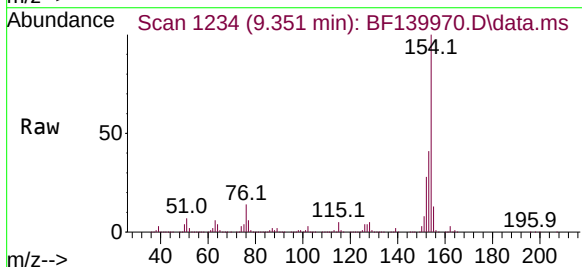
Manual Integrations
APPROVED

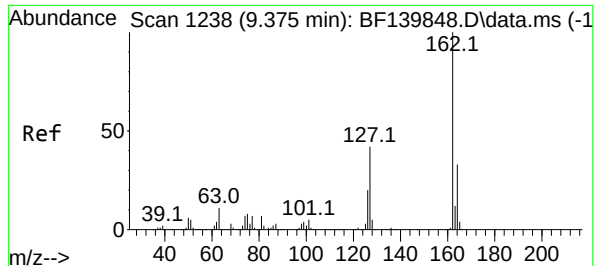
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#46
1,1'-Biphenyl
Concen: 50.056 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:154 Resp: 904792
Ion Ratio Lower Upper
154 100
153 40.6 20.3 60.3
76 13.6 0.0 33.9





#47

2-Chloronaphthalene

Concen: 48.424 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:162 Resp: 704968

Ion Ratio Lower Upper

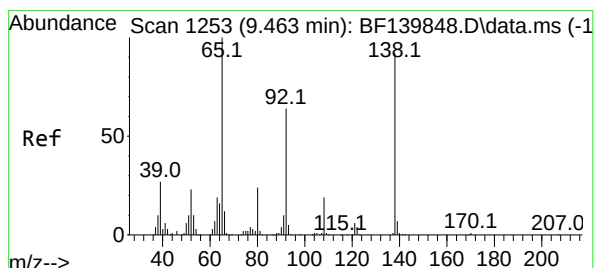
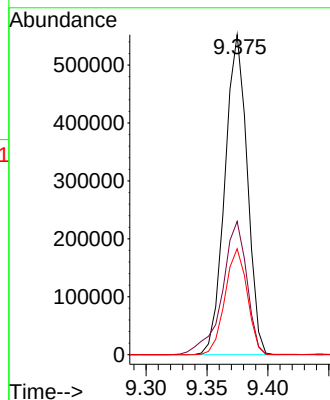
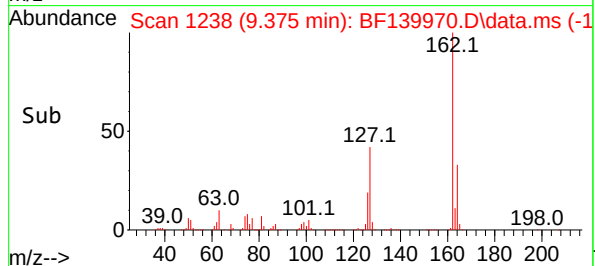
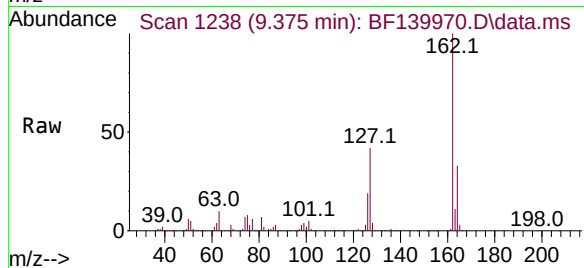
162 100

127 41.7 33.8 50.6

164 33.1 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#48

2-Nitroaniline

Concen: 52.569 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

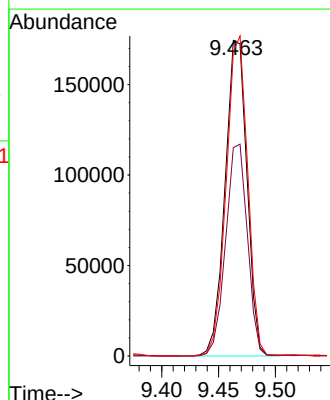
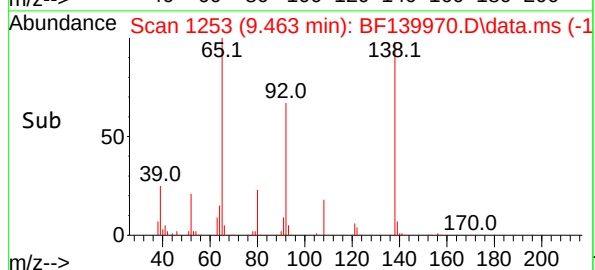
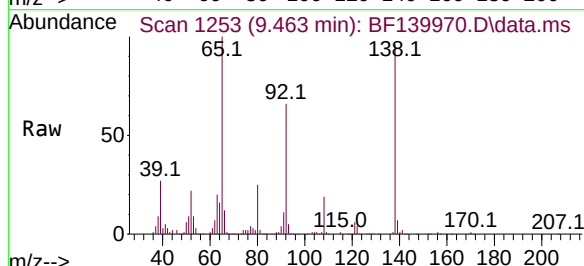
Tgt Ion: 65 Resp: 234065

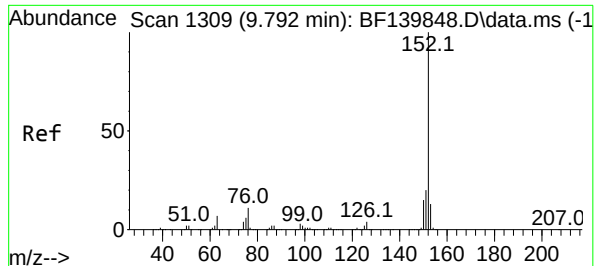
Ion Ratio Lower Upper

65 100

92 66.0 50.9 76.3

138 96.3 73.4 110.0





#49

Acenaphthylene

Concen: 50.805 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:152 Resp: 1069289

Ion Ratio Lower Upper

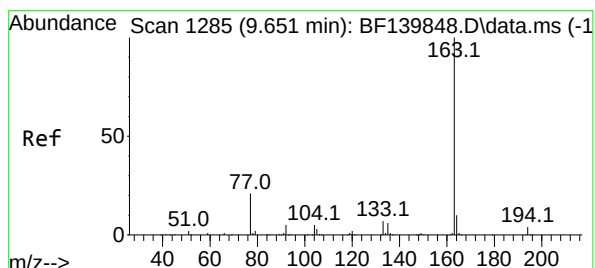
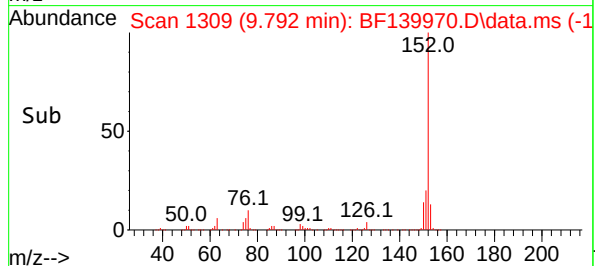
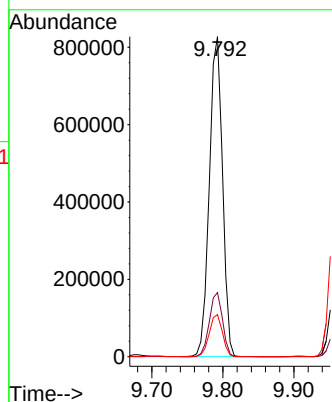
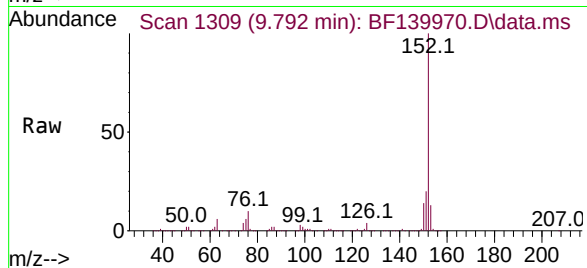
152 100

151 20.1 15.9 23.9

153 13.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#50

Dimethylphthalate

Concen: 51.995 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

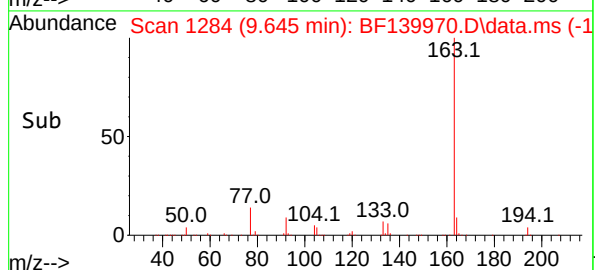
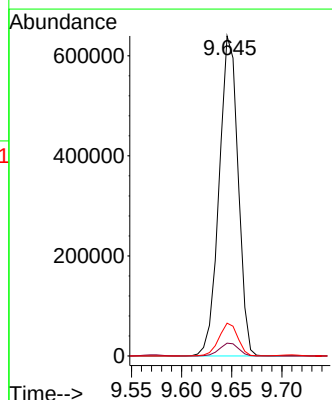
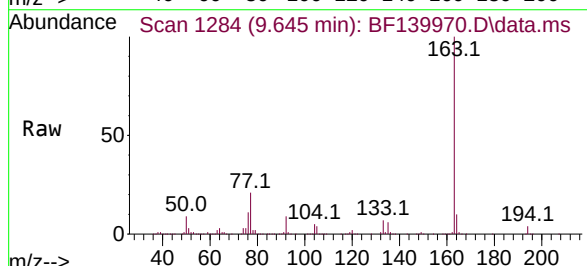
Tgt Ion:163 Resp: 840924

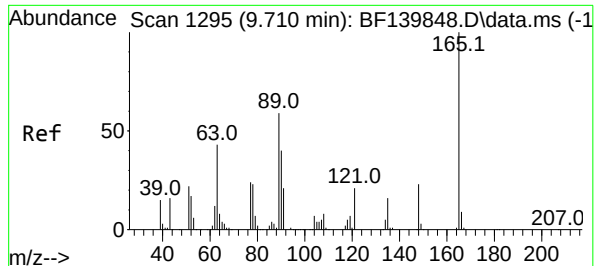
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.2 8.2 12.2





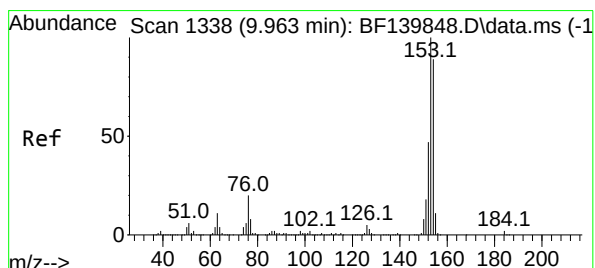
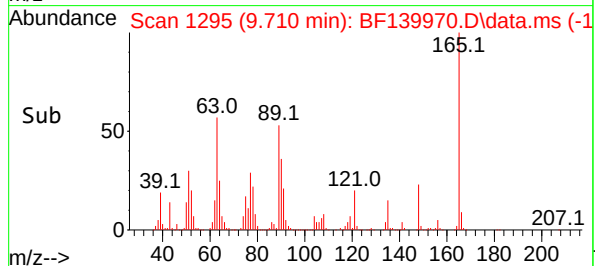
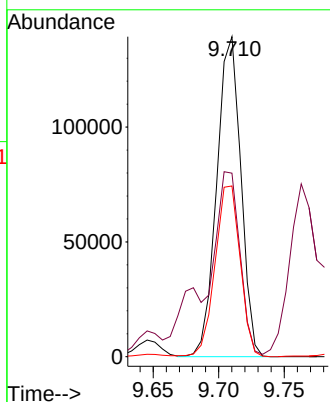
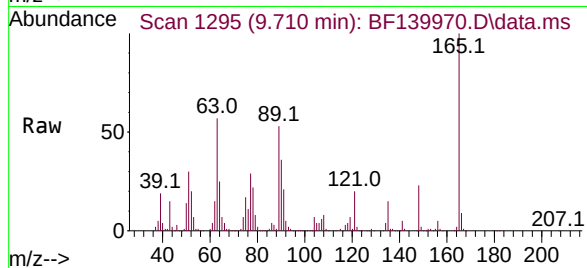
#51
2,6-Dinitrotoluene
Concen: 50.929 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Tgt Ion:165 Resp: 17834
Ion Ratio Lower Upper
165 100
63 57.3 50.6 75.8
89 53.3 47.5 71.3

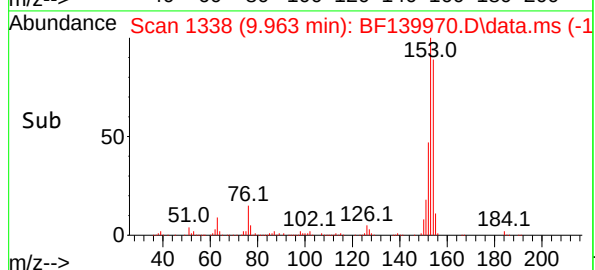
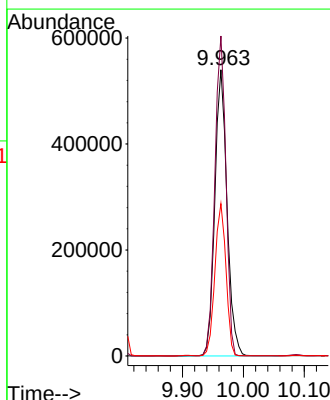
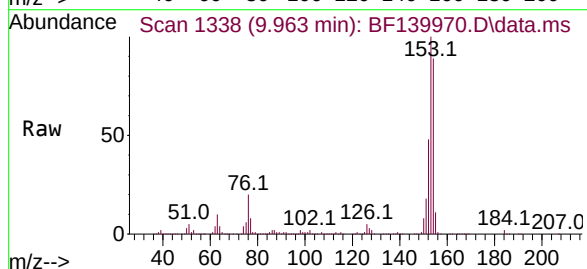
Manual Integrations
APPROVED

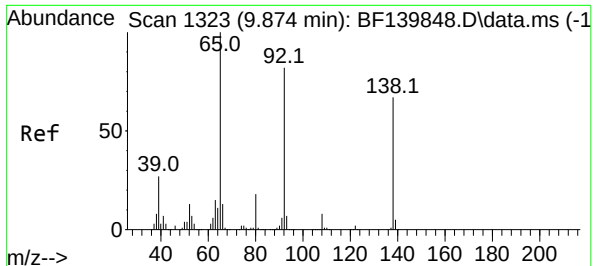
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#52
Acenaphthene
Concen: 55.277 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:154 Resp: 752606
Ion Ratio Lower Upper
154 100
153 111.8 89.8 134.6
152 53.2 42.4 63.6





#53

3-Nitroaniline

Concen: 19.929 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

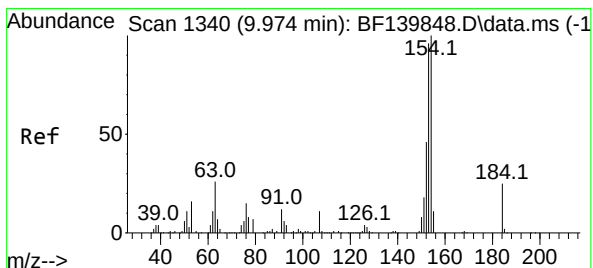
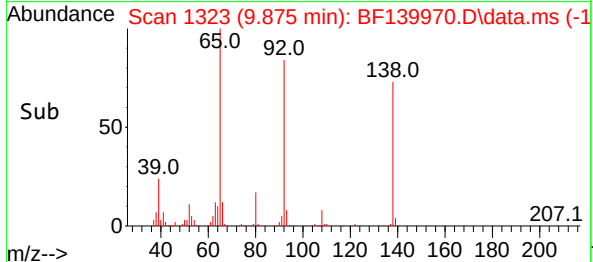
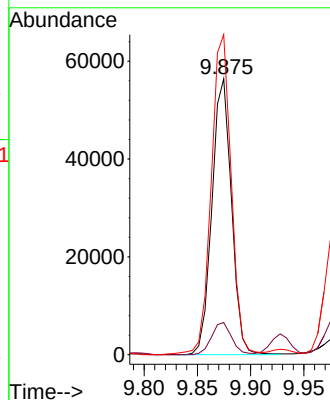
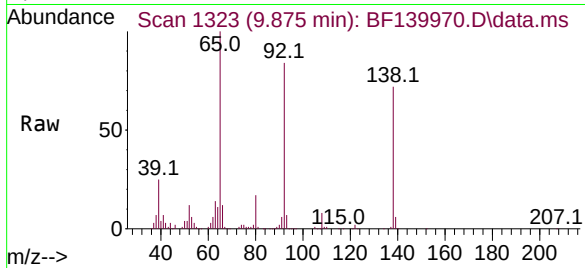
WB-301-BOTMS

Tgt Ion:	138	Resp:	7196
Ion Ratio	Lower	Upper	
138	100		
108	11.6	10.2	15.2
92	116.0	98.3	147.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#54

2,4-Dinitrophenol

Concen: 87.042 ng

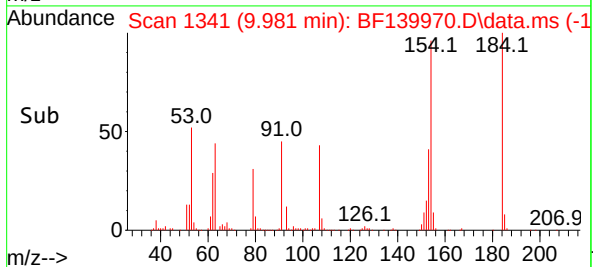
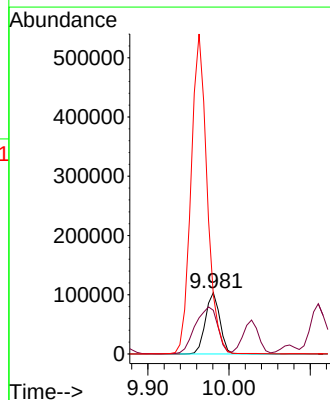
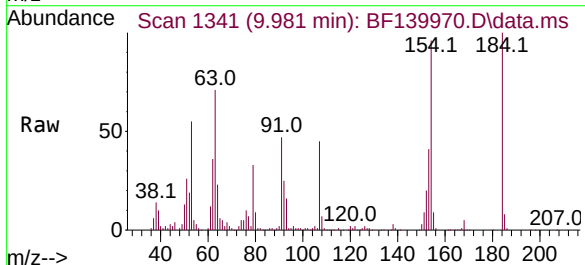
RT: 9.981 min Scan# 1341

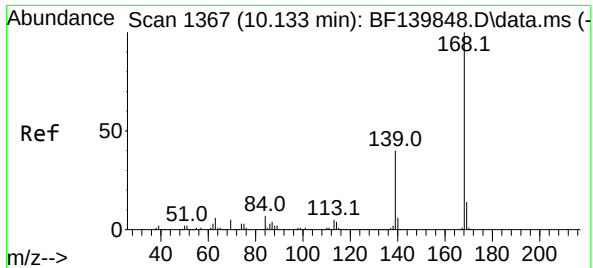
Delta R.T. 0.007 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

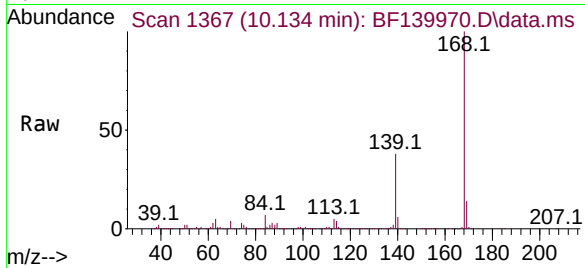
Tgt Ion:	184	Resp:	127551
Ion Ratio	Lower	Upper	
184	100		
63	71.4	84.7	127.1#
154	96.5	338.2	507.2#





#55
Dibenzenofuran
Concen: 47.698 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

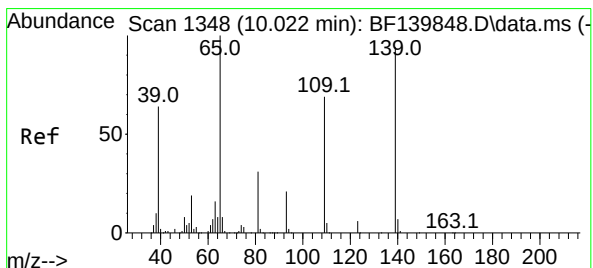
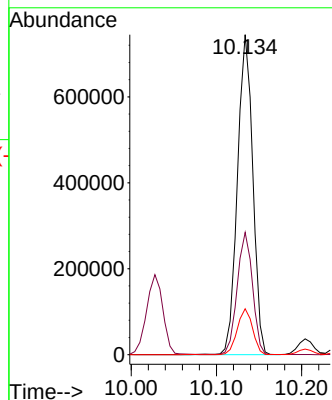
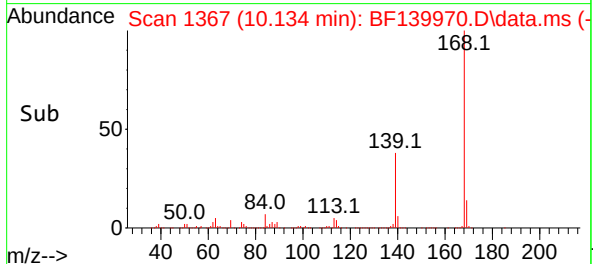
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:168 Resp: 931769
Ion Ratio Lower Upper
168 100
139 38.2 31.8 47.6
169 14.3 11.6 17.4

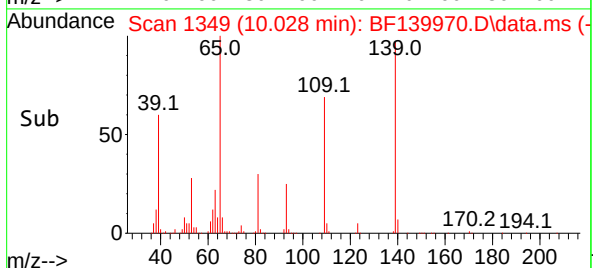
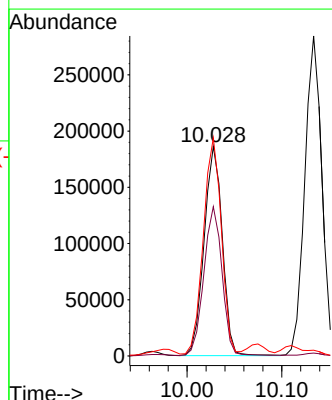
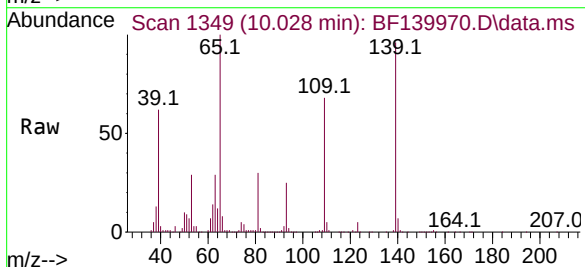
Manual Integrations
APPROVED

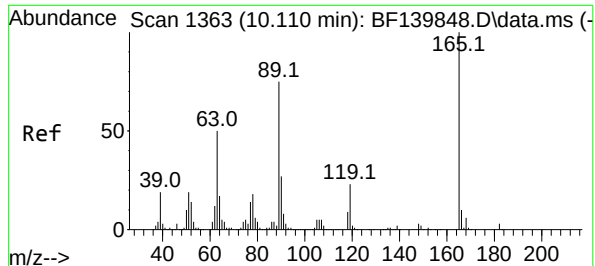
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#56
4-Nitrophenol
Concen: 89.405 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

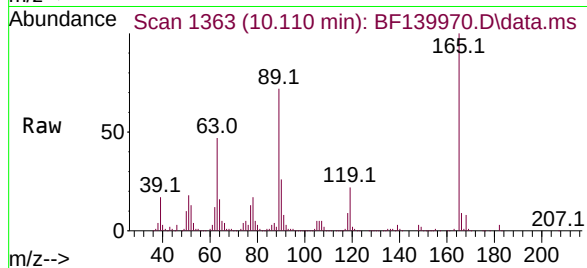
Tgt Ion:139 Resp: 248396
Ion Ratio Lower Upper
139 100
109 71.2 53.6 93.6
65 104.1 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 51.967 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

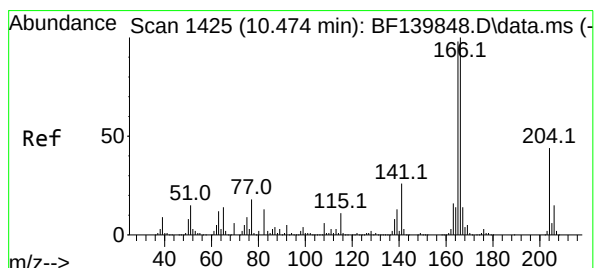
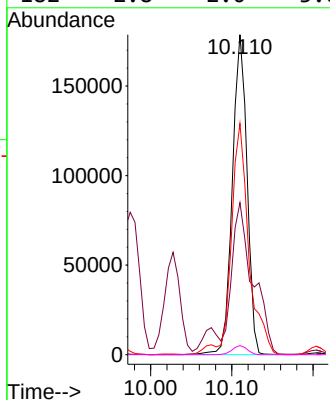
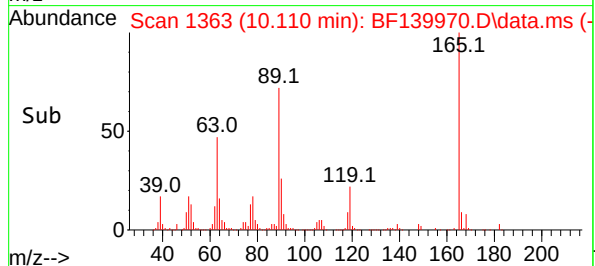
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



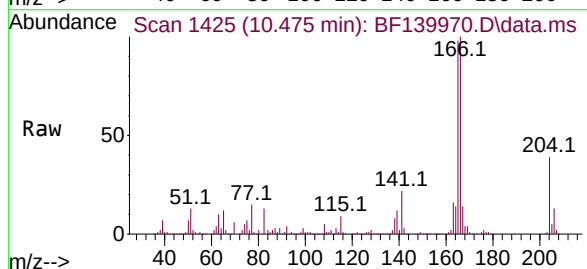
Tgt Ion:165 Resp: 22378
Ion Ratio Lower Upper
165 100
63 47.5 40.1 60.1
89 72.2 60.4 90.6
182 2.8 2.0 3.0

Manual Integrations
APPROVED

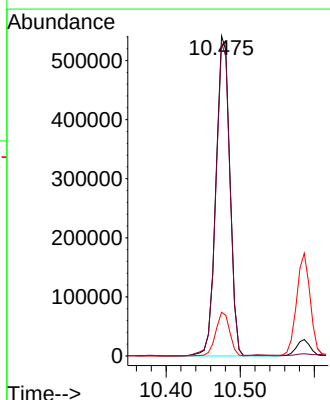
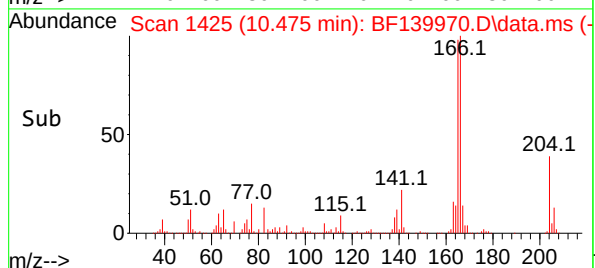
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

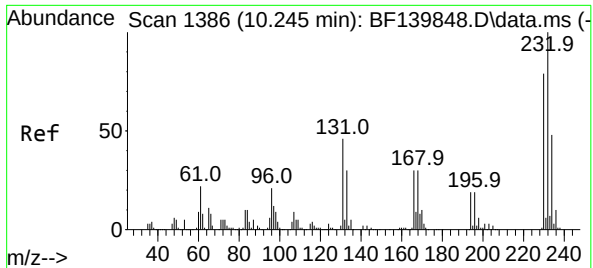


#58
Fluorene
Concen: 47.531 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59



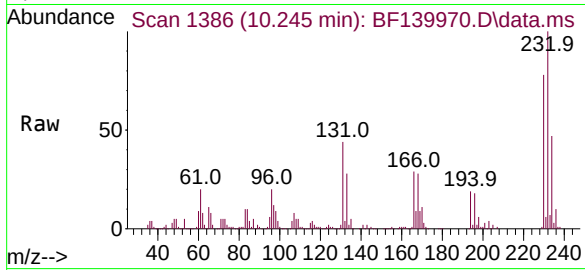
Tgt Ion:166 Resp: 707194
Ion Ratio Lower Upper
166 100
165 97.9 78.5 117.7
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.643 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

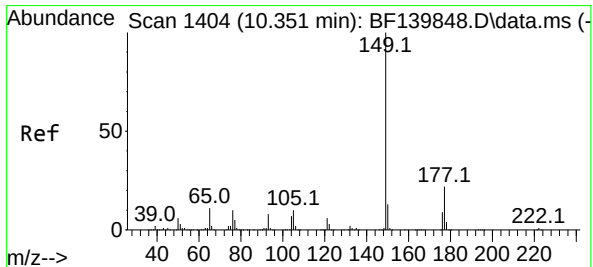
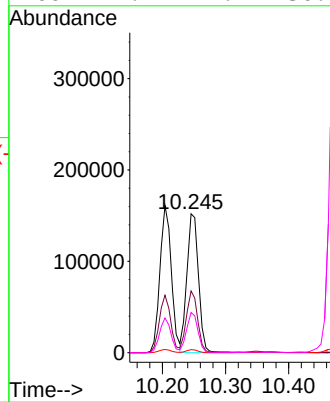
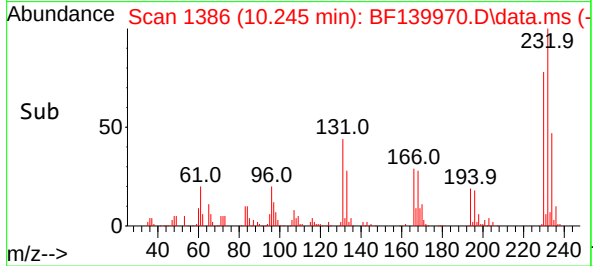
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:232 Resp: 195120
Ion Ratio Lower Upper
232 100
131 42.8 37.0 55.6
130 2.1 1.9 2.9
166 27.9 24.2 36.2

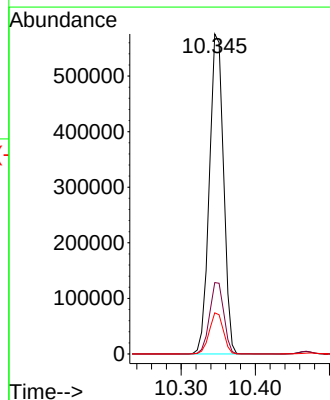
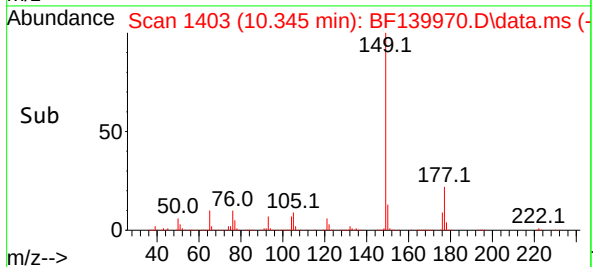
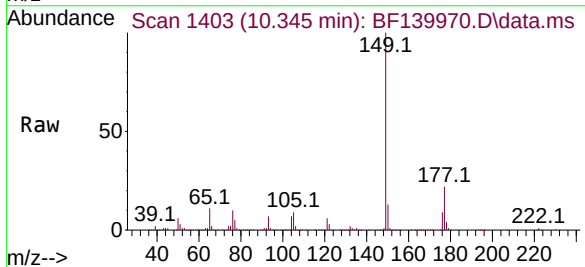
Manual Integrations
APPROVED

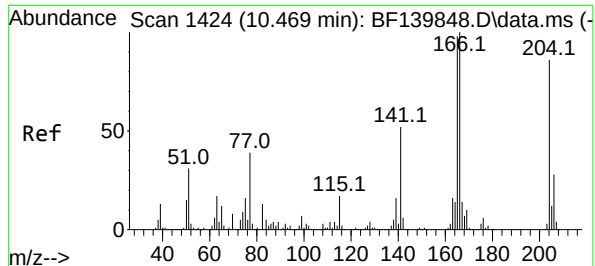
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#60
Diethylphthalate
Concen: 48.108 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:149 Resp: 763940
Ion Ratio Lower Upper
149 100
177 22.3 17.9 26.9
150 12.8 10.1 15.1





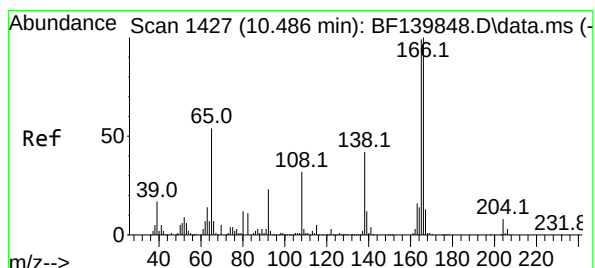
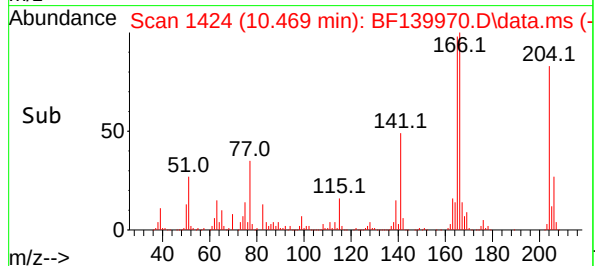
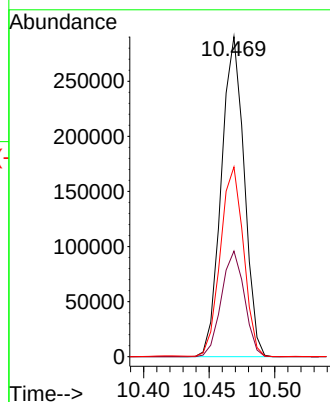
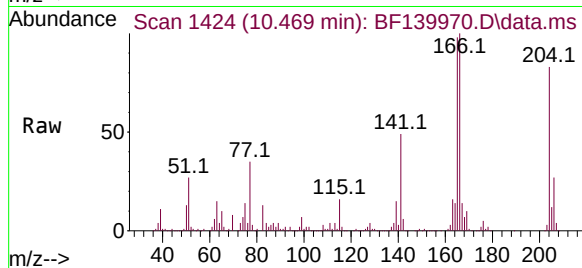
#61
4-Chlorophenyl-phenylether
Concen: 46.864 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Tgt Ion:204 Resp: 35212
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 59.3 48.6 73.0

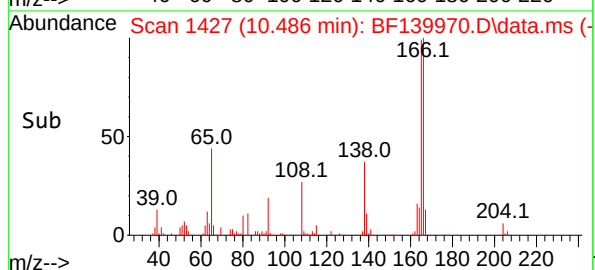
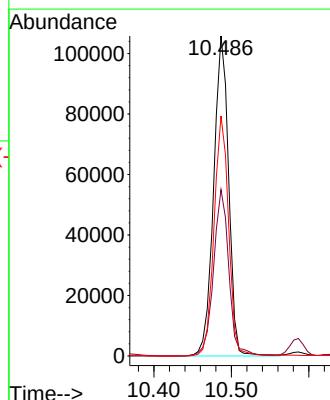
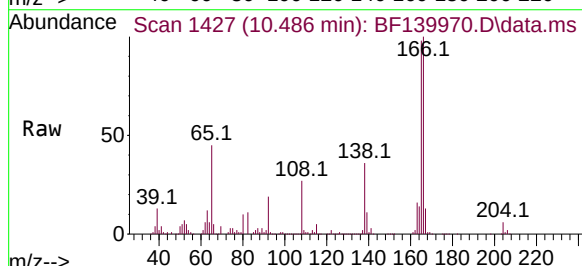
Manual Integrations
APPROVED

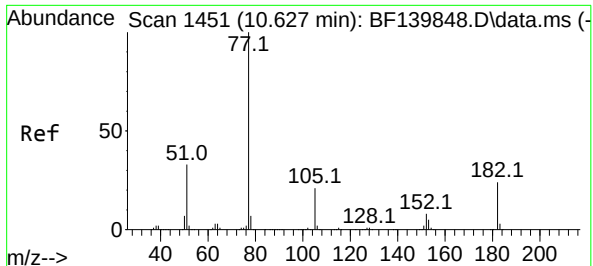
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#62
4-Nitroaniline
Concen: 41.712 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

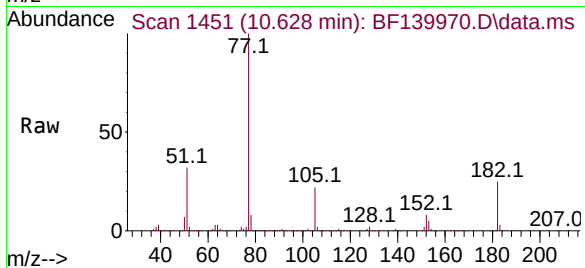
Tgt Ion:138 Resp: 142265
Ion Ratio Lower Upper
138 100
92 52.0 35.7 75.7
108 75.0 57.5 97.5





#63
Azobenzene
Concen: 43.786 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

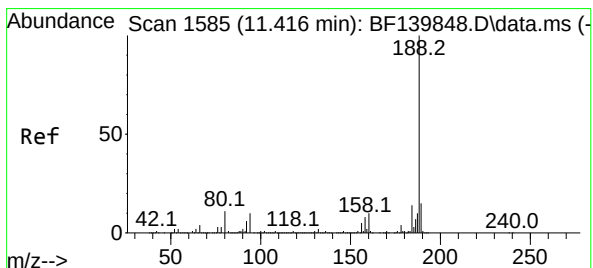
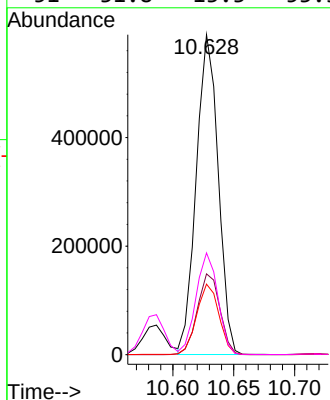
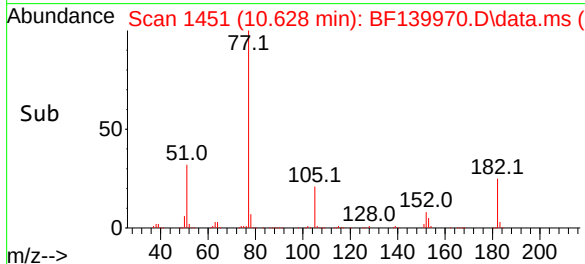
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



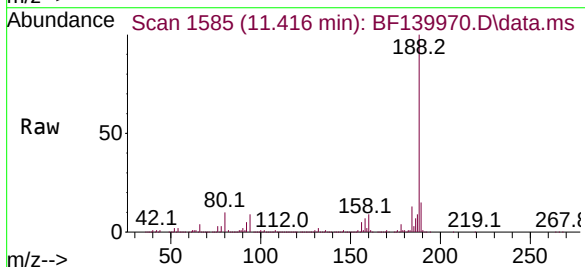
Tgt Ion: 77 Resp: 73713
Ion Ratio Lower Upper
77 100
182 25.3 3.3 43.3
105 22.1 1.2 41.2
51 31.8 13.3 53.3

Manual Integrations
APPROVED

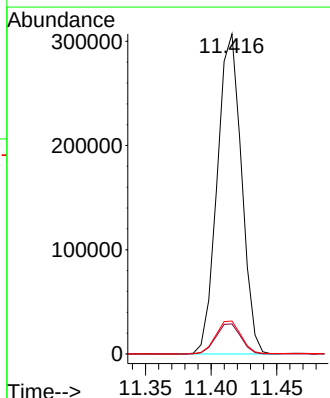
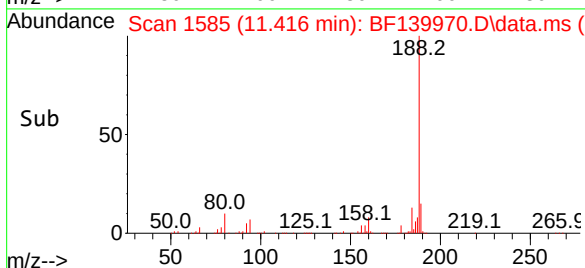
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

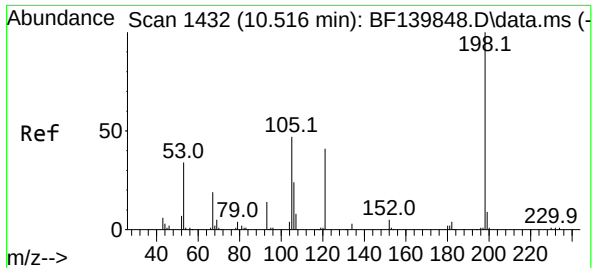


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59



Tgt Ion:188 Resp: 394534
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.3 9.0 13.4





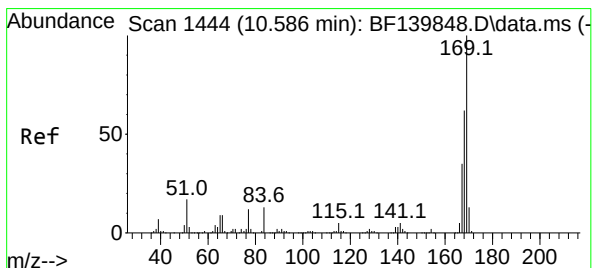
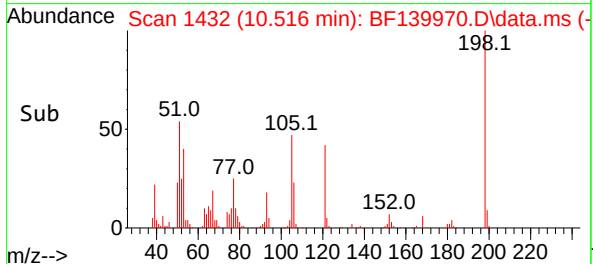
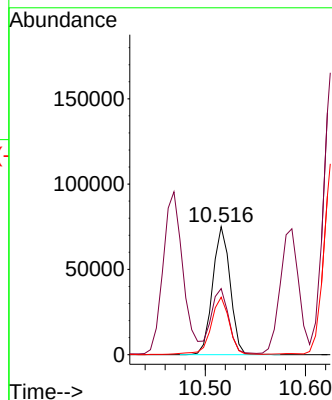
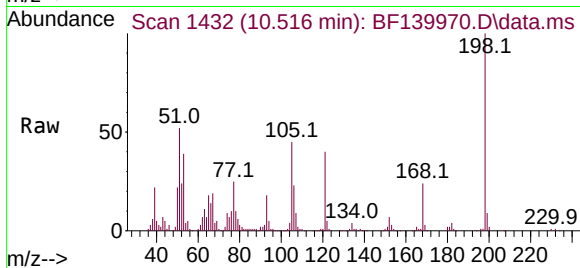
#65
4,6-Dinitro-2-methylphenol
Concen: 56.329 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Tgt Ion:198 Resp: 90649
Ion Ratio Lower Upper
198 100
51 51.7 38.2 78.2
105 44.9 27.9 67.9

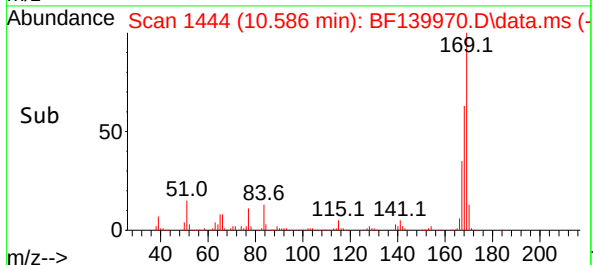
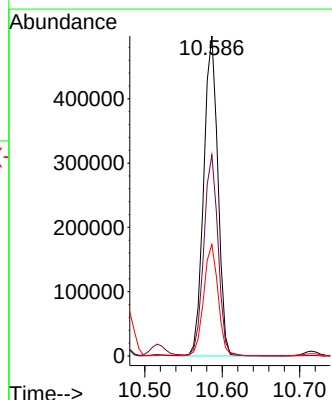
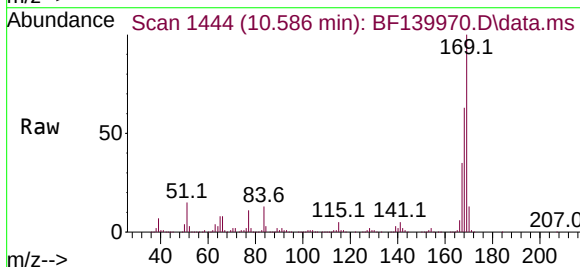
Manual Integrations
APPROVED

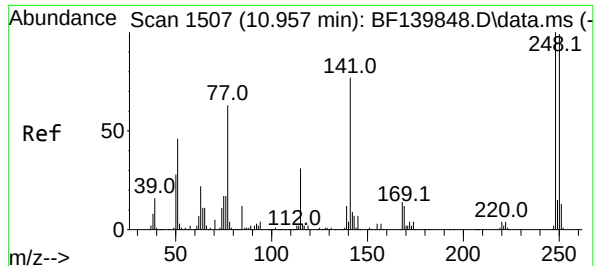
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#66
n-Nitrosodiphenylamine
Concen: 53.461 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

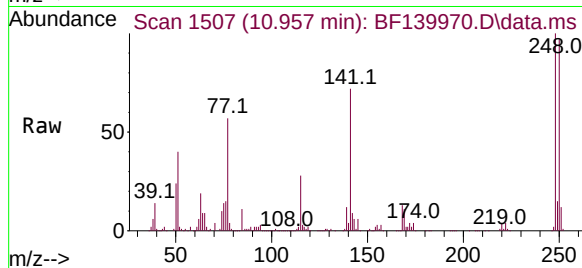
Tgt Ion:169 Resp: 631286
Ion Ratio Lower Upper
169 100
168 62.9 49.8 74.6
167 34.9 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 53.291 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

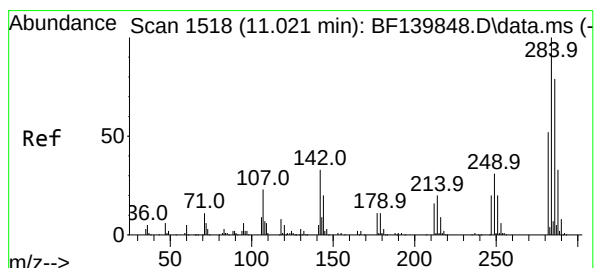
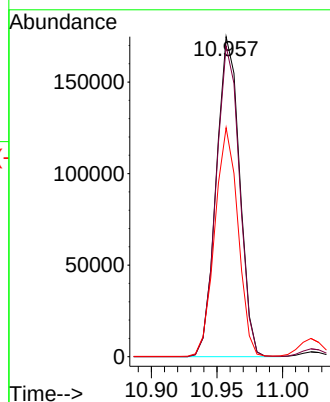
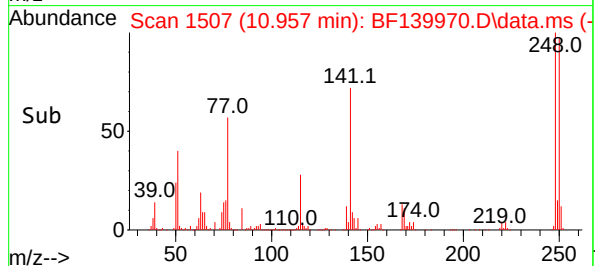
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



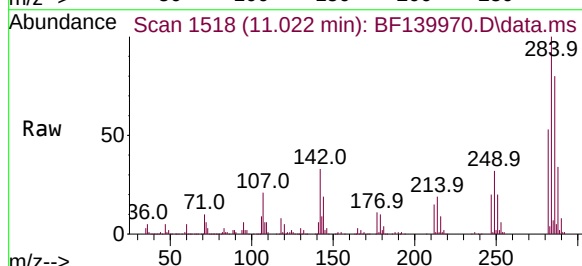
Tgt Ion:248 Resp: 21659
Ion Ratio Lower Upper
248 100
250 97.1 79.0 118.6
141 71.5 61.7 92.5

Manual Integrations
APPROVED

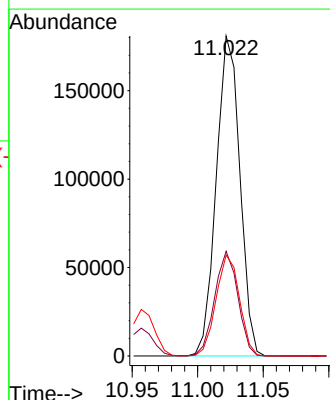
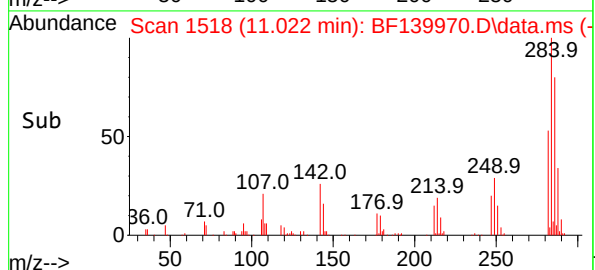
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

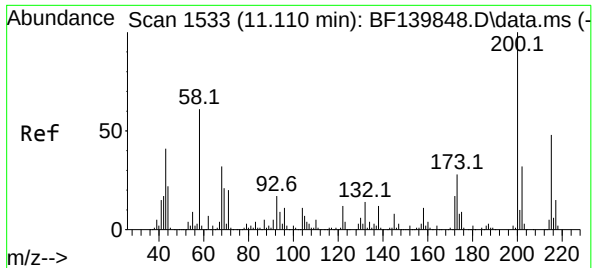


#68
Hexachlorobenzene
Concen: 49.463 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59



Tgt Ion:284 Resp: 226101
Ion Ratio Lower Upper
284 100
142 32.7 26.9 40.3
249 31.6 25.3 37.9





#69

Atrazine

Concen: 50.609 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:200 Resp: 161884

Ion Ratio Lower Upper

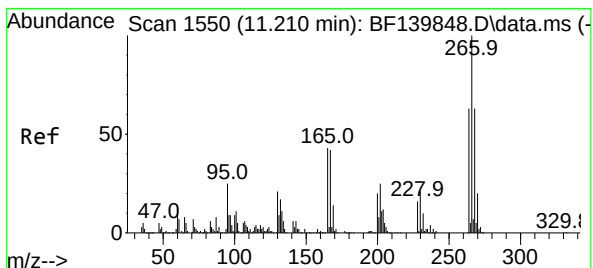
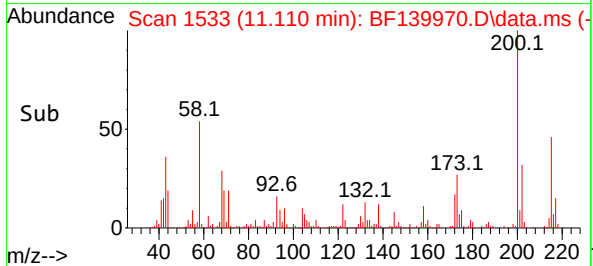
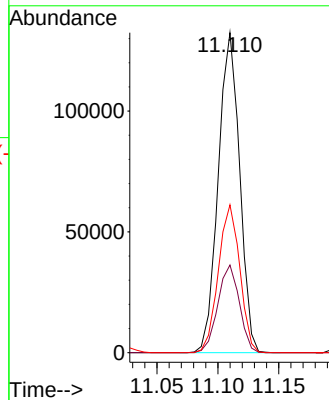
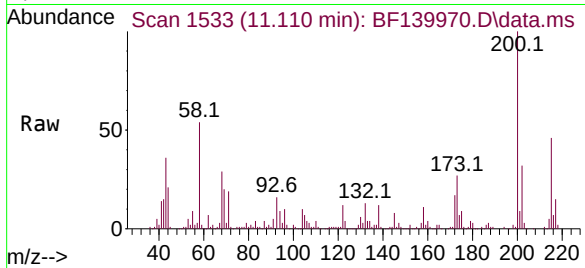
200 100

173 27.4 7.7 47.7

215 46.2 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#70

Pentachlorophenol

Concen: 101.510 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

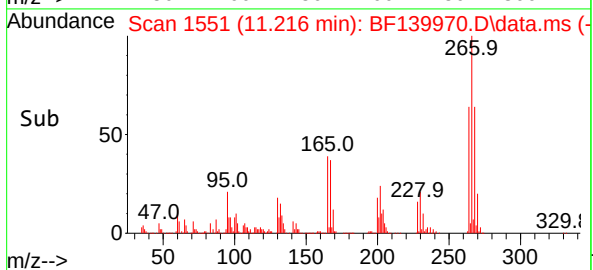
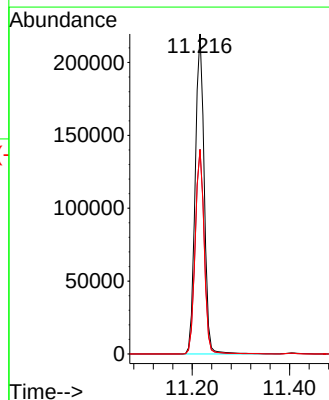
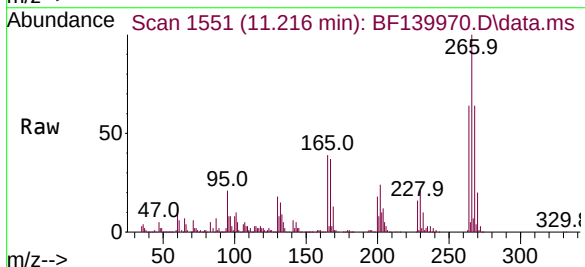
Tgt Ion:266 Resp: 281614

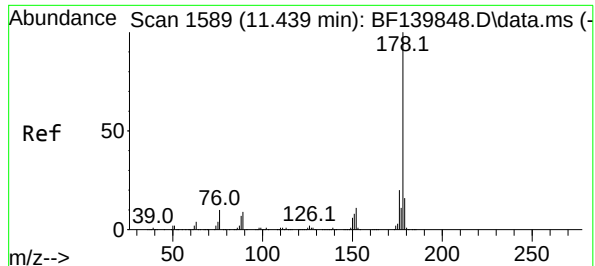
Ion Ratio Lower Upper

266 100

268 64.0 50.4 75.6

264 63.9 50.6 75.8





#71

Phenanthrene

Concen: 52.315 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:178 Resp: 97494

Ion Ratio Lower Upper

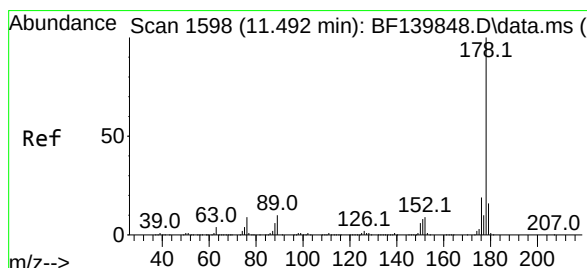
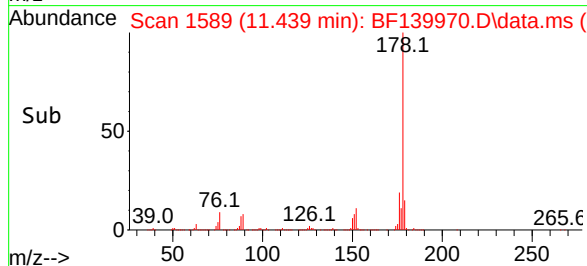
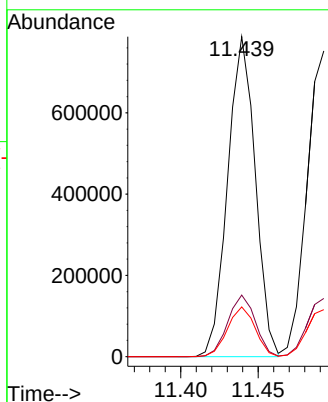
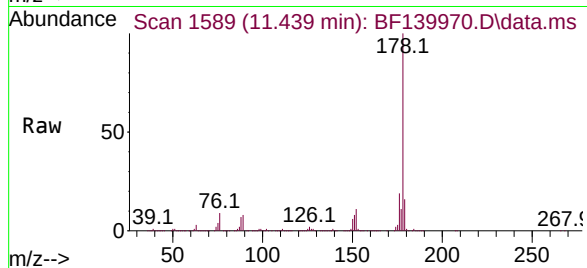
178 100

176 19.2 15.8 23.6

179 15.6 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#72

Anthracene

Concen: 52.435 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

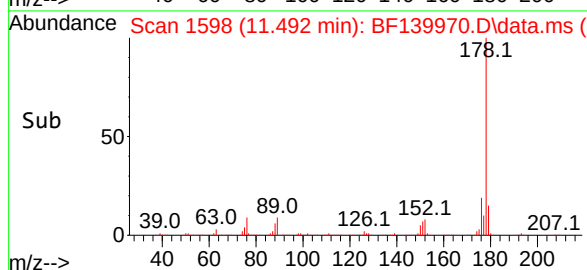
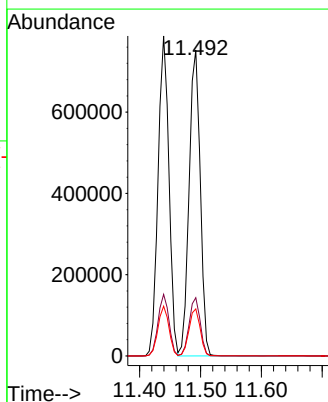
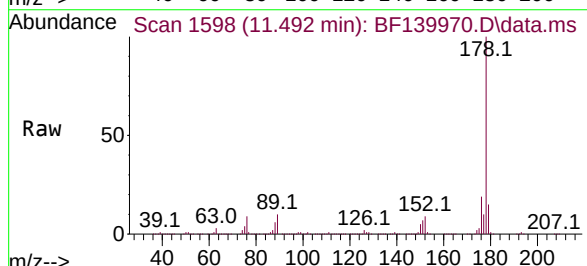
Tgt Ion:178 Resp: 953433

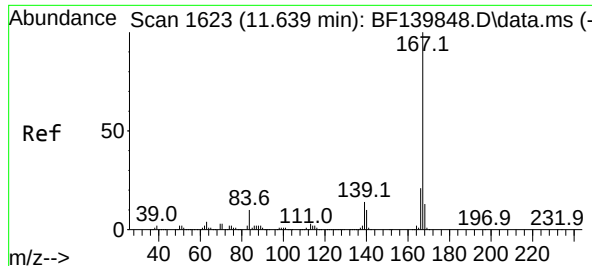
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

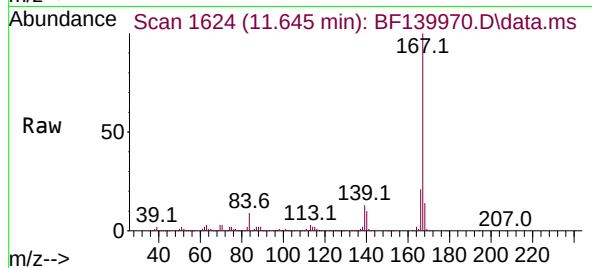
179 15.4 12.4 18.6





#73
Carbazole
Concen: 48.199 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

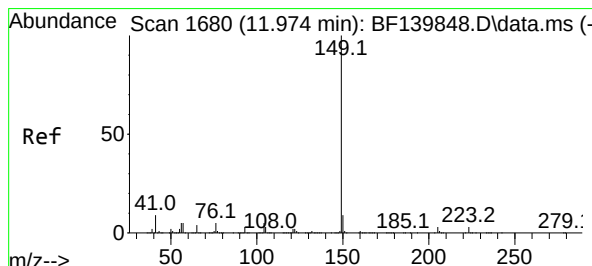
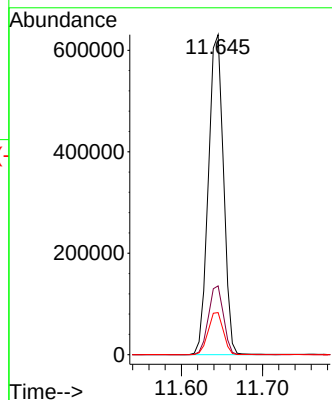
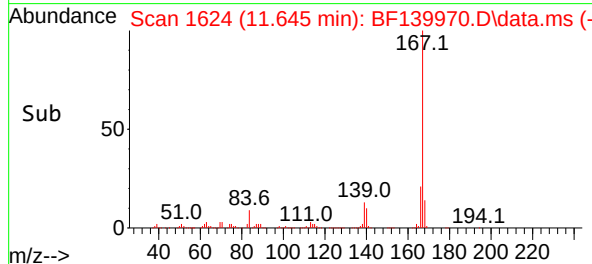
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



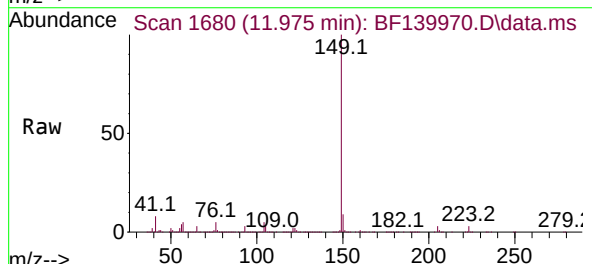
Tgt Ion:167 Resp: 815060
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 13.2 10.8 16.2

Manual Integrations
APPROVED

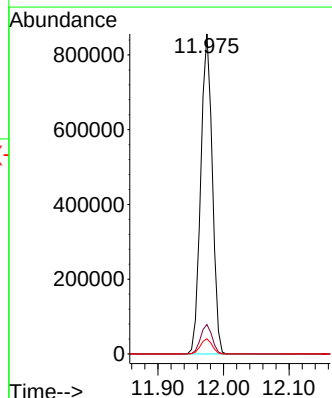
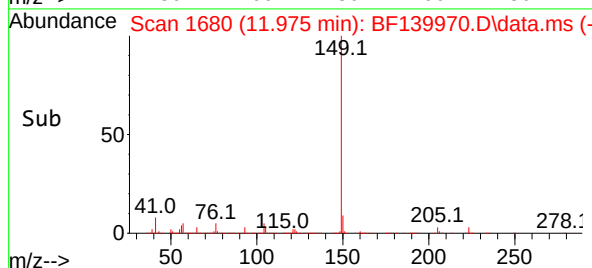
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

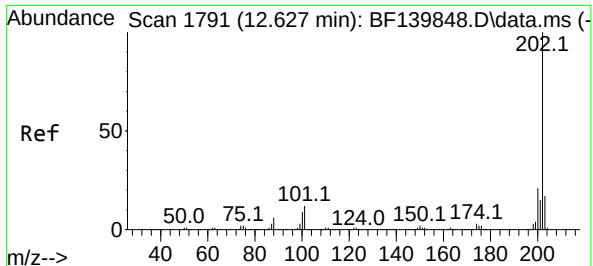


#74
Di-n-butylphthalate
Concen: 53.764 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59



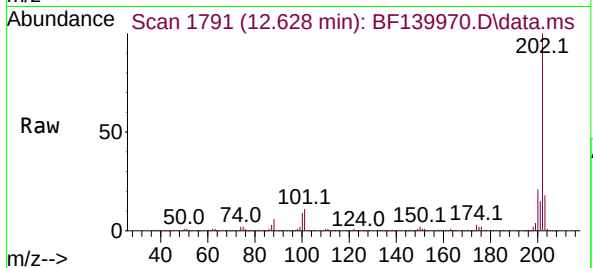
Tgt Ion:149 Resp: 1050412
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.7 4.1 6.1





#75
Fluoranthene
Concen: 52.306 ng
RT: 12.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

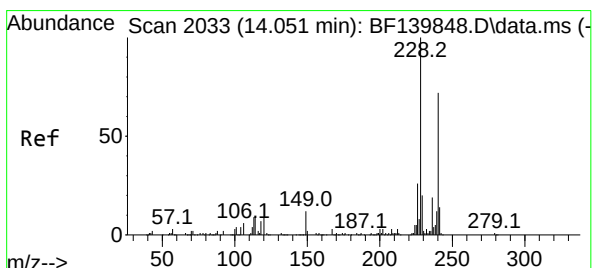
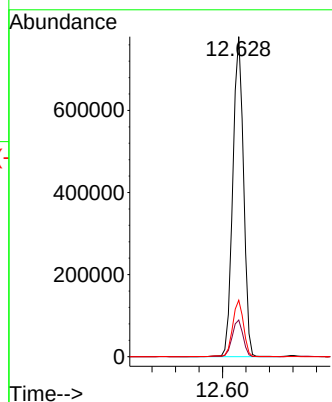
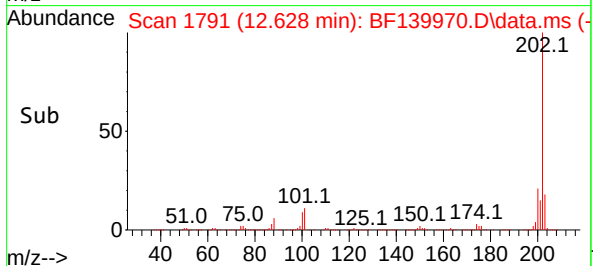
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:202 Resp: 98542
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.9
203 17.7 0.0 37.5

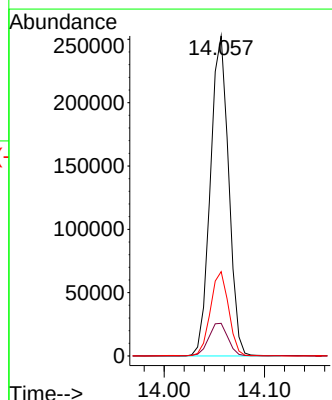
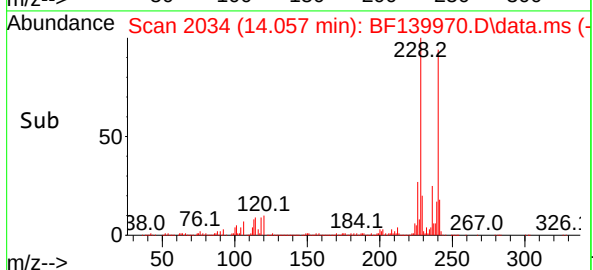
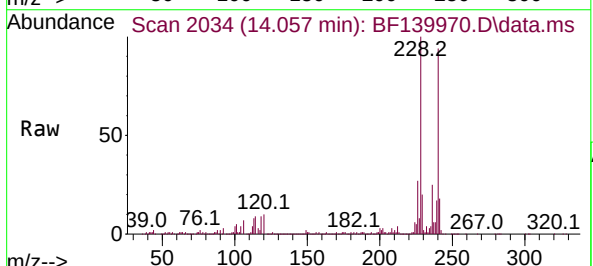
Manual Integrations
APPROVED

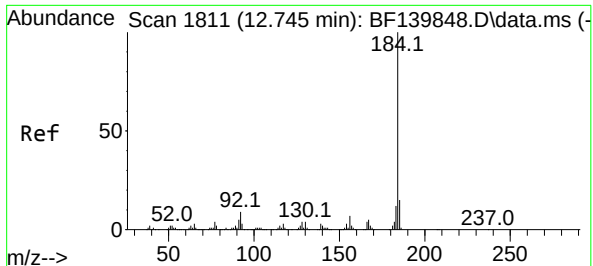
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:240 Resp: 319585
Ion Ratio Lower Upper
240 100
120 10.2 9.4 14.2
236 26.3 20.9 31.3





#77

Benzidine

Concen: 37.302 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:184 Resp: 196024

Ion Ratio Lower Upper

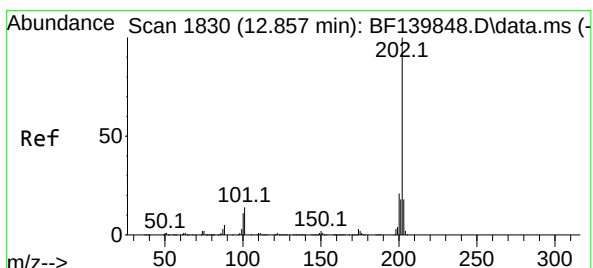
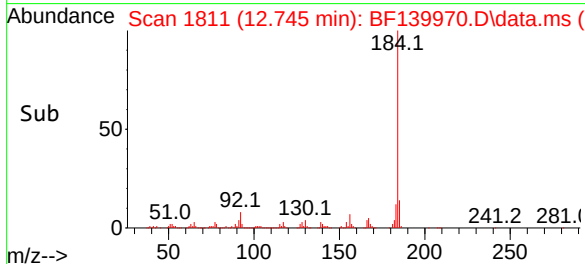
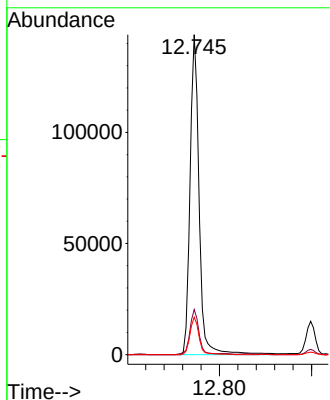
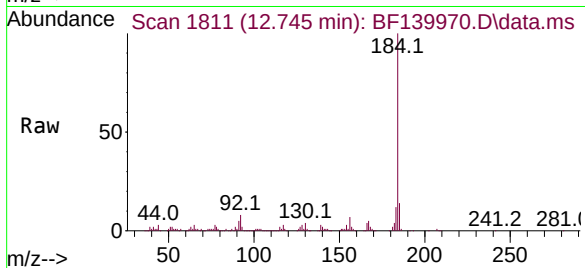
184 100

185 14.1 12.0 18.0

183 11.7 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#78

Pyrene

Concen: 36.848 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

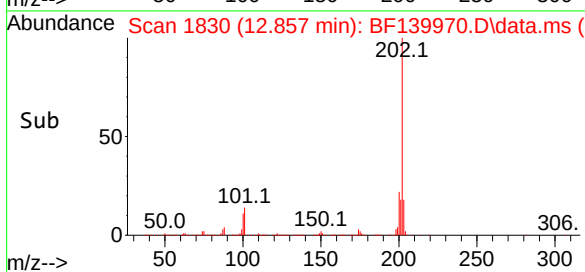
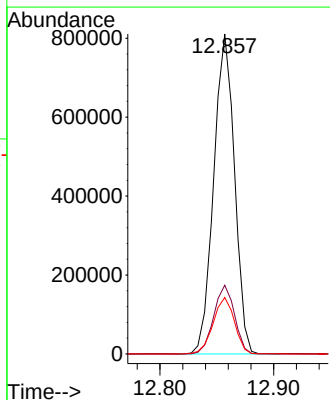
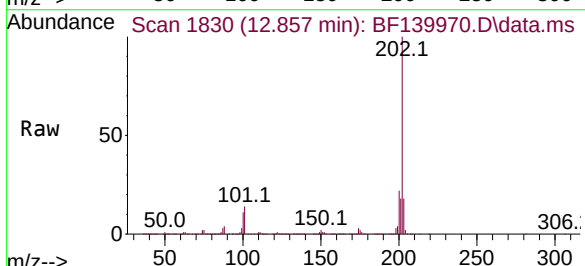
Tgt Ion:202 Resp: 1030796

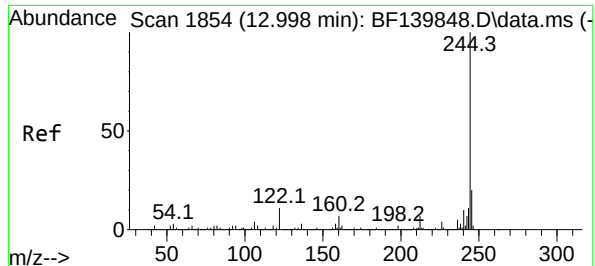
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 79.001 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:244 Resp: 1549414

Ion Ratio Lower Upper

244 100

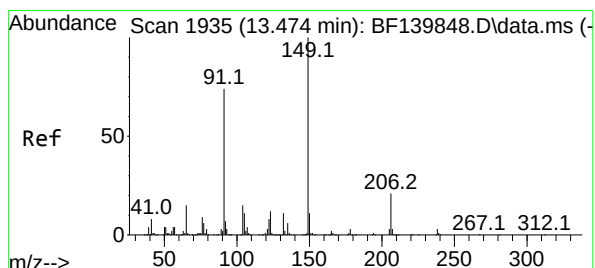
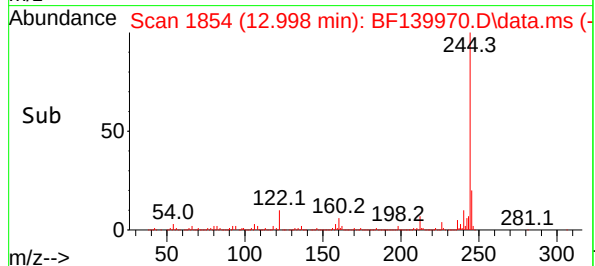
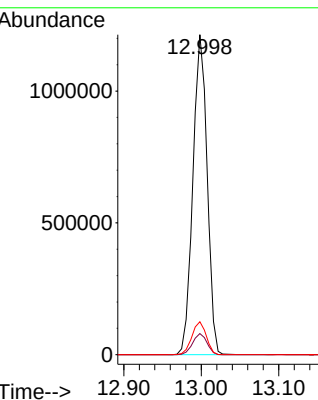
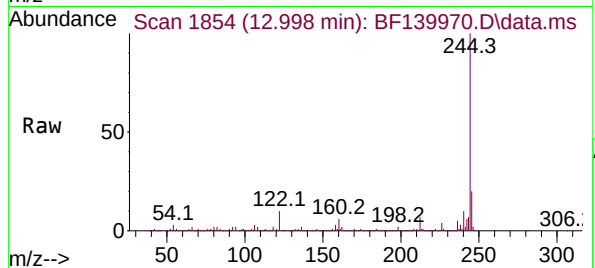
212 6.6 5.7 8.5

122 10.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024



#80

Butylbenzylphthalate

Concen: 52.879 ng

RT: 13.475 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

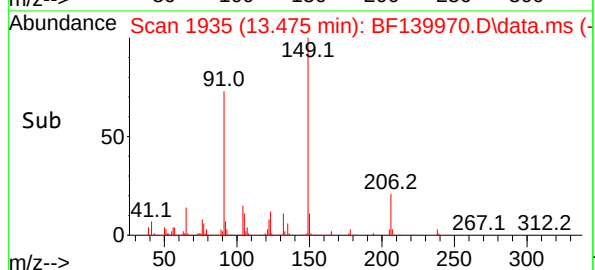
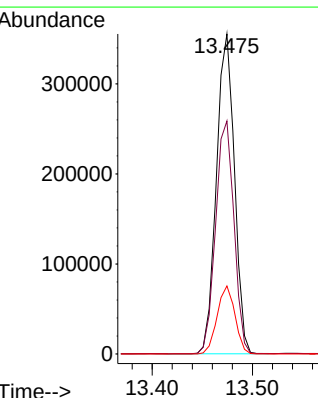
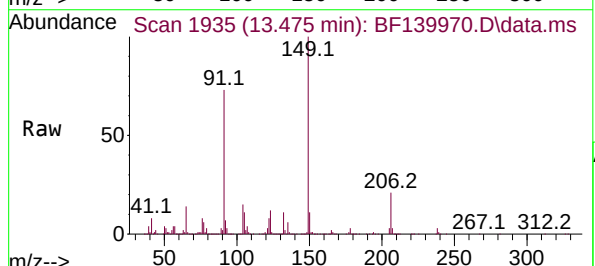
Tgt Ion:149 Resp: 443486

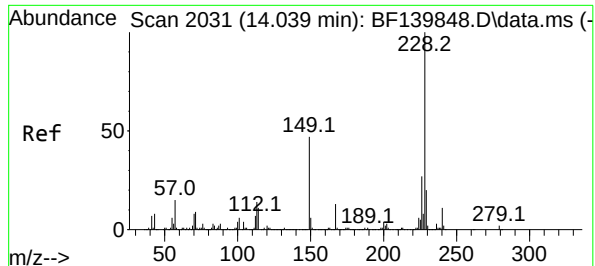
Ion Ratio Lower Upper

149 100

91 72.8 59.4 89.2

206 21.2 16.4 24.6





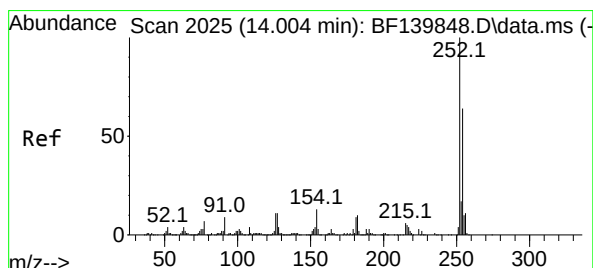
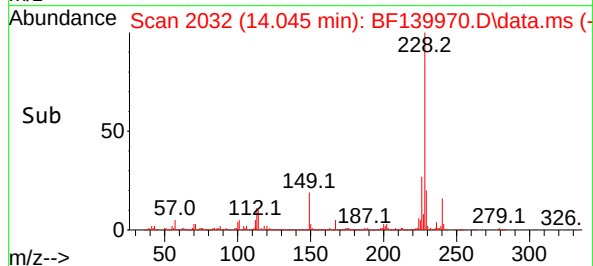
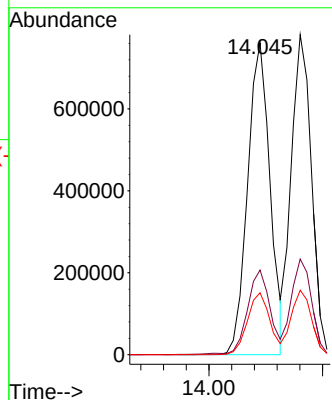
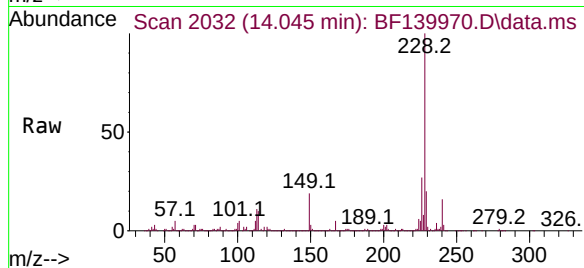
#81
Benzo(a)anthracene
Concen: 50.237 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Tgt Ion:228 Resp: 1045118
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 19.9 16.1 24.1

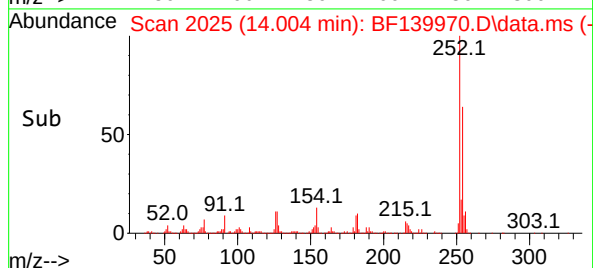
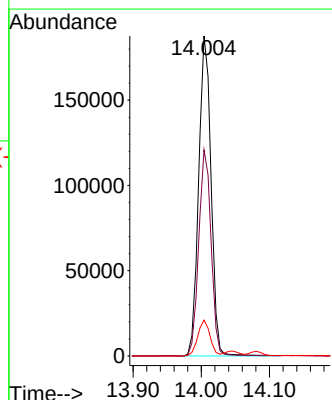
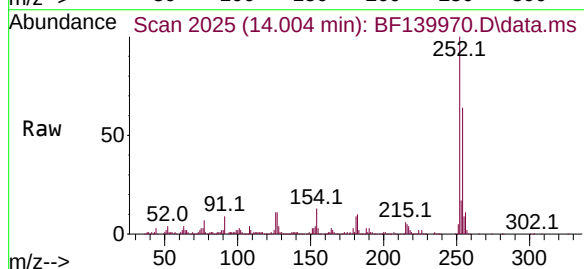
Manual Integrations
APPROVED

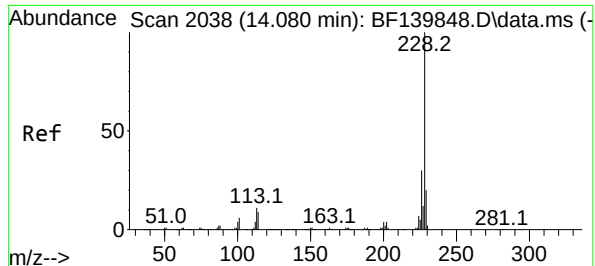
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#82
3,3'-Dichlorobenzidine
Concen: 39.086 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:252 Resp: 237087
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 11.2 8.9 13.3





#83

Chrysene

Concen: 50.675 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:228 Resp: 96661

Ion Ratio Lower Upper

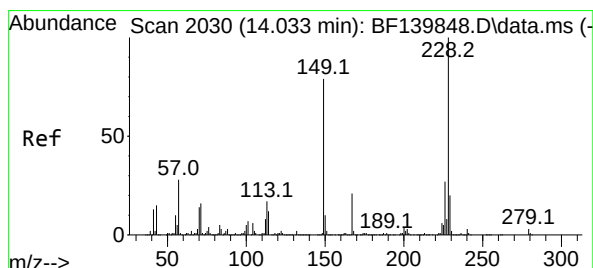
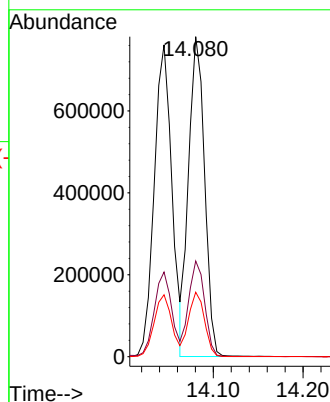
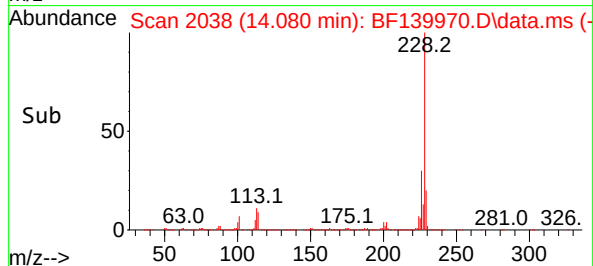
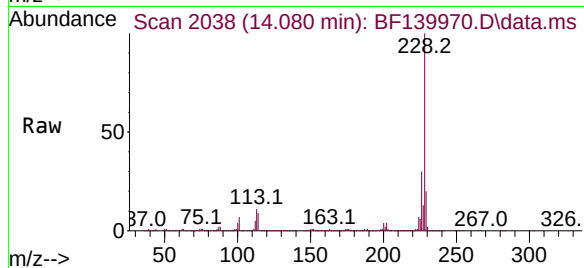
228 100

226 29.9 24.1 36.1

229 20.2 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 65.295 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

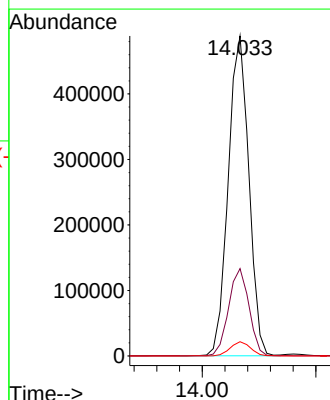
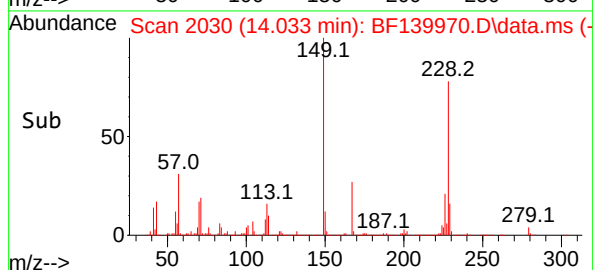
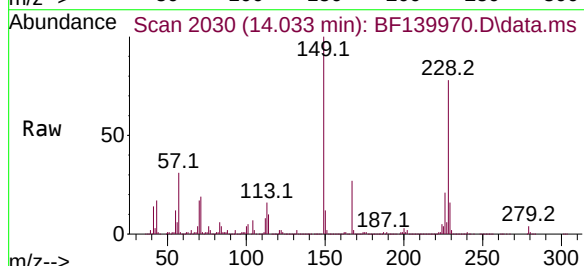
Tgt Ion:149 Resp: 614398

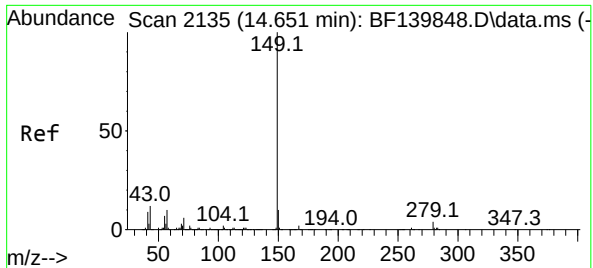
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

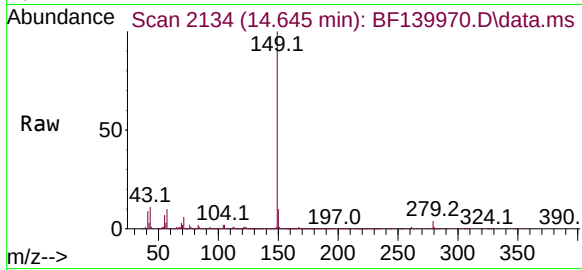
279 4.4 3.0 4.4#





#85
Di-n-octyl phthalate
Concen: 65.421 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

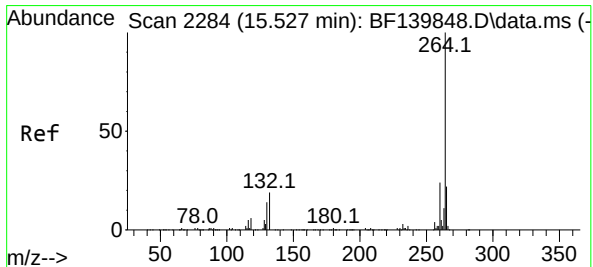
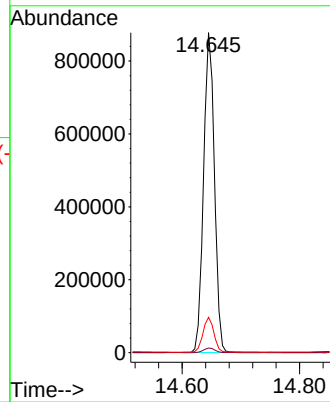
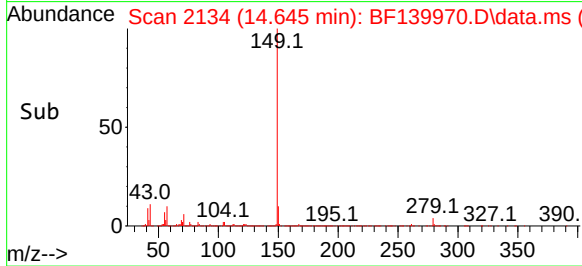
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:149 Resp: 111967
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.0 9.8 14.6

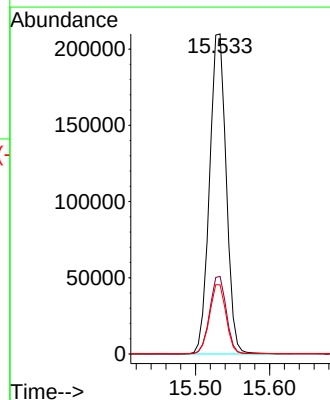
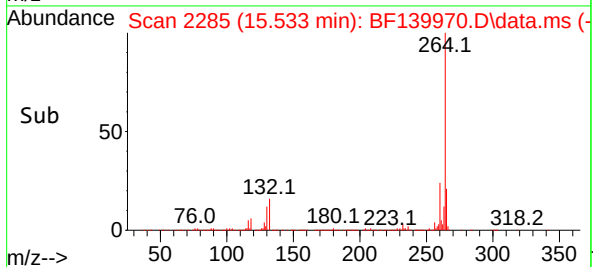
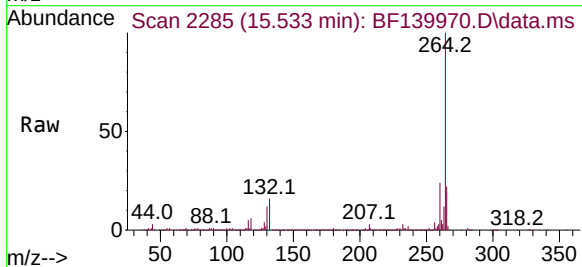
Manual Integrations
APPROVED

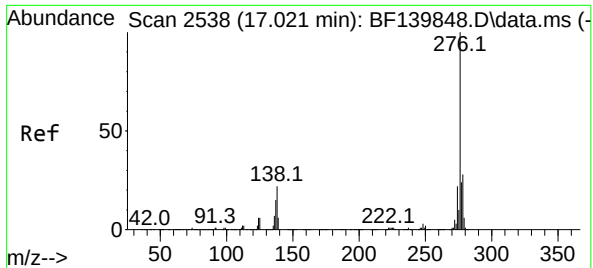
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

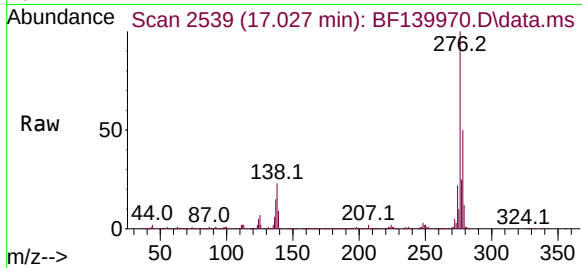
Tgt Ion:264 Resp: 328571
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.6 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 33.392 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

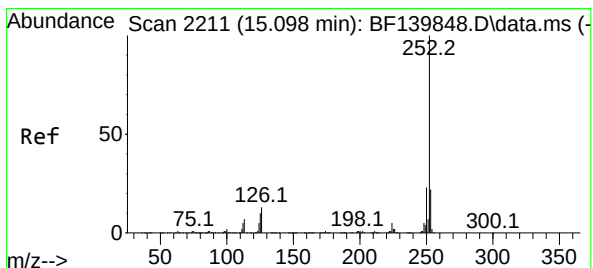
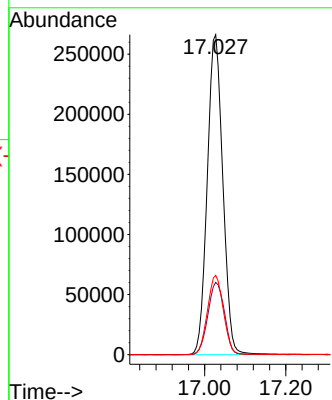
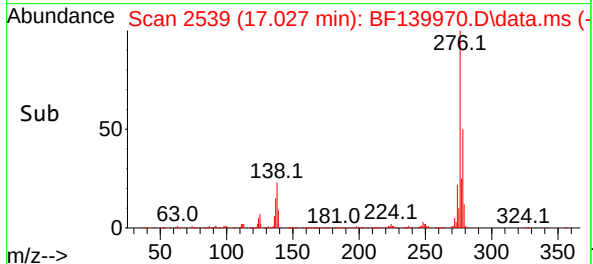
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion: 276 Resp: 705835
Ion Ratio Lower Upper
276 100
138 24.3 20.4 30.6
277 25.4 20.2 30.4

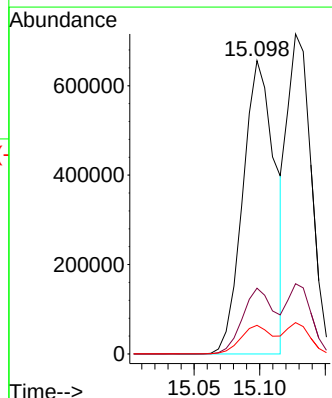
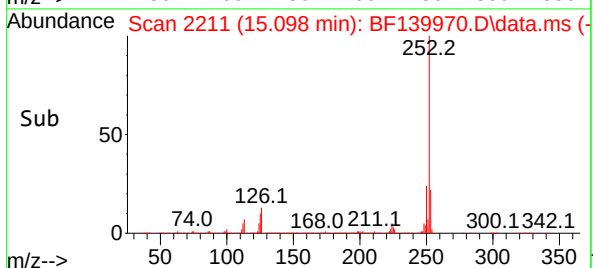
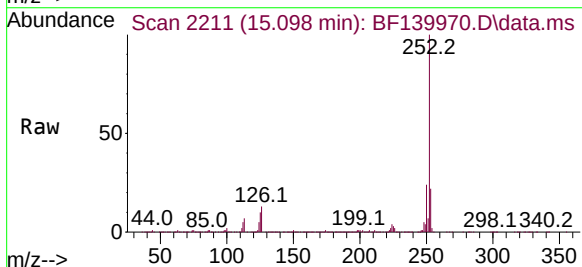
Manual Integrations
APPROVED

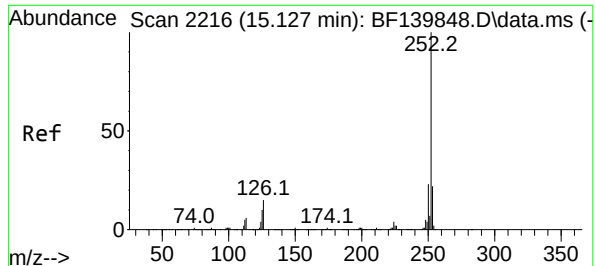
Reviewed By : Jagrut Upadhyay 10/24/2024
Supervised By : mohammad ahmed 10/25/2024



#88
Benzo(b)fluoranthene
Concen: 55.982 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion: 252 Resp: 1120485
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 52.892 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMS

Tgt Ion:252 Resp: 912998

Ion Ratio Lower Upper

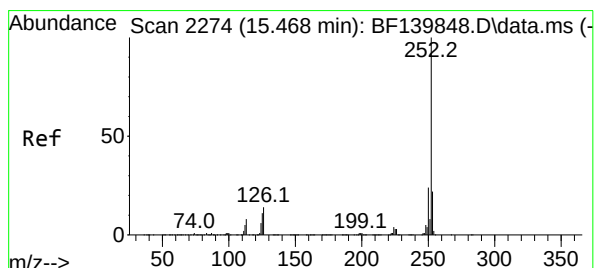
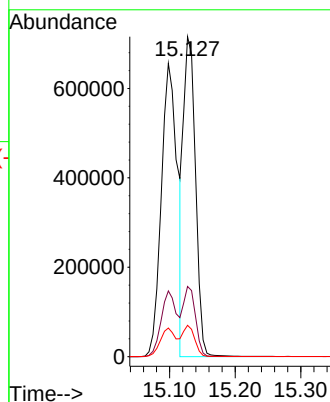
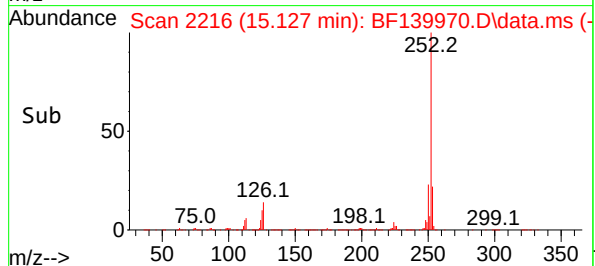
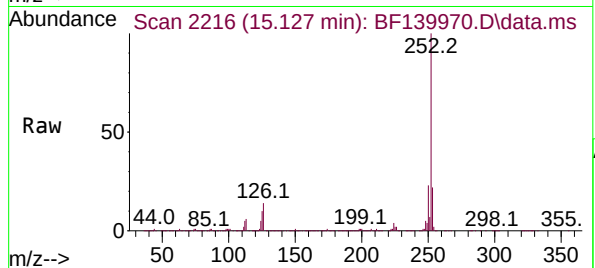
252 100

253 21.9 17.6 26.4

125 9.8 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#90

Benzo(a)pyrene

Concen: 54.628 ng

RT: 15.469 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139970.D

Acq: 23 Oct 2024 17:59

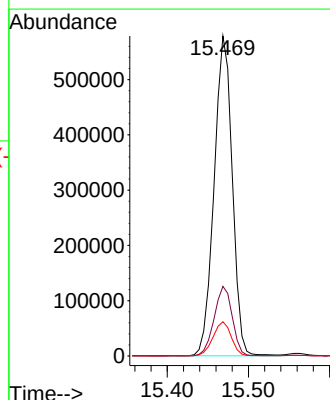
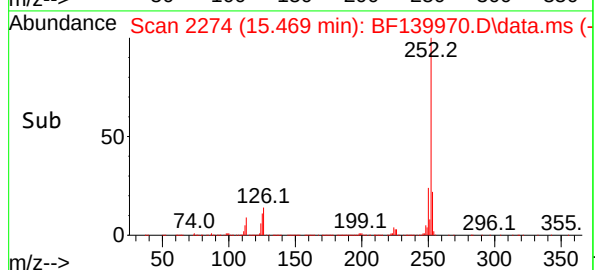
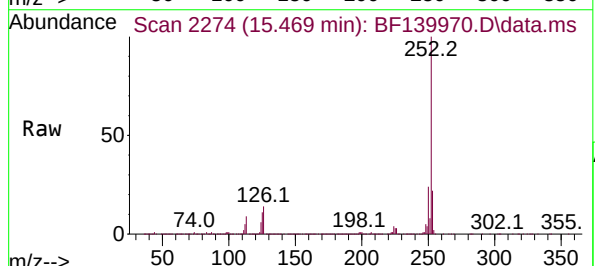
Tgt Ion:252 Resp: 899666

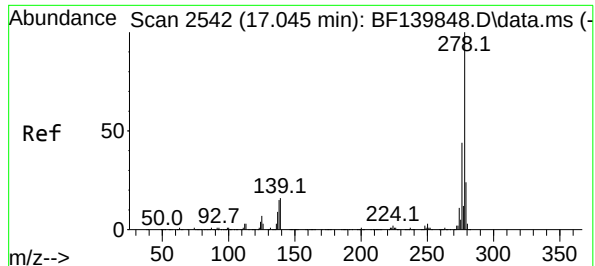
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

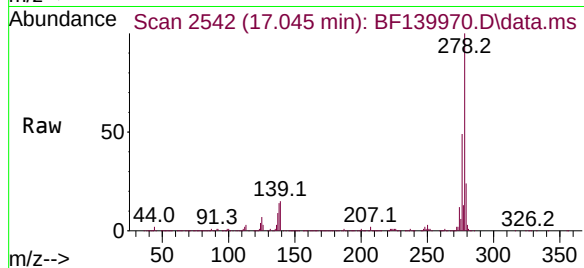
125 10.7 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 33.965 ng
RT: 17.045 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

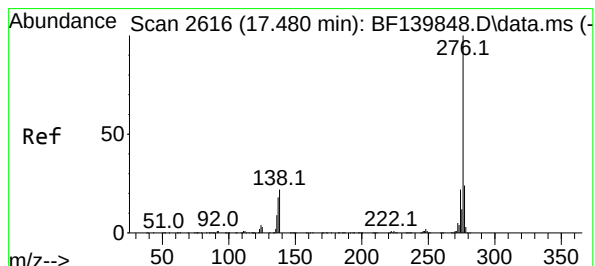
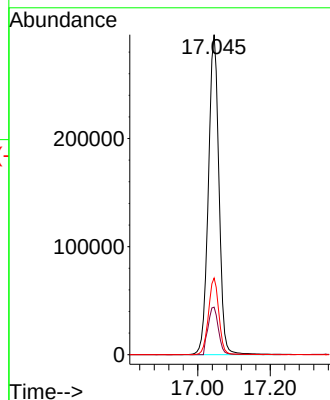
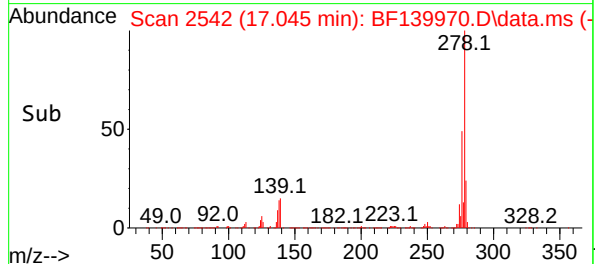
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS



Tgt Ion:278 Resp: 59892
Ion Ratio Lower Upper
278 100
139 14.9 13.1 19.7
279 23.9 19.0 28.4

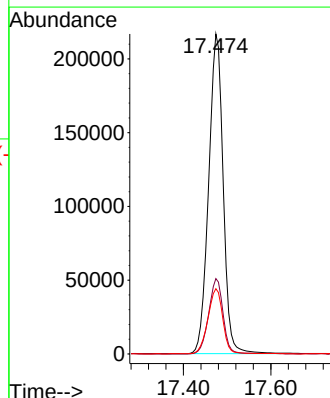
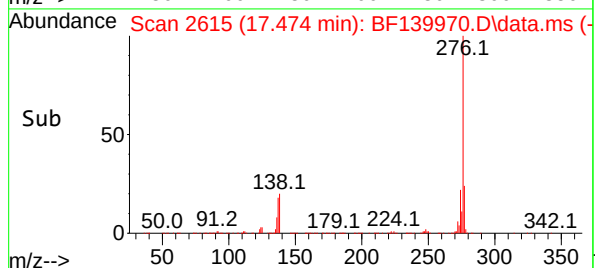
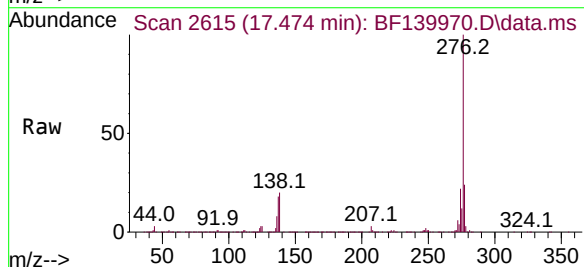
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#92
Benzo(g,h,i)perylene
Concen: 28.483 ng
RT: 17.474 min Scan# 2615
Delta R.T. -0.006 min
Lab File: BF139970.D
Acq: 23 Oct 2024 17:59

Tgt Ion:276 Resp: 501683
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 20.4 17.4 26.0



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139971.D	1	10/22/24 10:30	10/23/24 18:28	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	310		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.40	50.0	ug/L
95-48-7	2-Methylphenol	490		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	100	ug/L
67-72-1	Hexachloroethane	440		10.1	50.0	ug/L
98-95-3	Nitrobenzene	490		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	550		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	111		30 (49) - 130 (133)	111%	SPK: 100
321-60-8	2-Fluorobiphenyl	112		30 (52) - 130 (132)	112%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	103%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.893			
1146-65-2	Naphthalene-d8	503000	8.175			
15067-26-2	Acenaphthene-d10	243000	9.928			
1517-22-2	Phenanthrene-d10	363000	11.416			
1719-03-5	Chrysene-d12	306000	14.057			
1520-96-3	Perylene-d12	312000	15.533			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139971.D	1	10/22/24 10:30	10/23/24 18:28	PB164315

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\BF102324\
 Data File : BF139971.D
 Acq On : 23 Oct 2024 18:28
 Operator : RC/JU
 Sample : P4397-06MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOTMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:10:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	137496	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	502859	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	242617	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	363131	20.000	ng	0.00
76) Chrysene-d12	14.057	240	305569	20.000	ng	0.00
86) Perylene-d12	15.533	264	311545	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1225492	139.531	ng	0.03
7) Phenol-d6	6.516	99	1477382	129.876	ng	0.00
23) Nitrobenzene-d5	7.451	82	1009040	111.213	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	350375	154.393	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1650095	112.404	ng	0.00
79) Terphenyl-d14	12.998	244	1592275	84.910	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.899	88	170207	41.564	ng	# 80
3) Pyridine	3.599	79	310393	30.580	ng	95
4) n-Nitrosodimethylamine	3.528	42	236790	43.420	ng	95
6) Aniline	6.557	93	172832	16.302	ng	97
8) 2-Chlorophenol	6.675	128	451643	50.301	ng	99
9) Benzaldehyde	6.446	77	27050	4.227	ng	92
10) Phenol	6.534	94	520184m	44.356	ng	
11) bis(2-Chloroethyl)ether	6.628	93	437994	48.320	ng	99
12) 1,3-Dichlorobenzene	6.834	146	465766	45.190	ng	98
13) 1,4-Dichlorobenzene	6.910	146	466553	45.308	ng	99
14) 1,2-Dichlorobenzene	7.063	146	446998	46.512	ng	98
15) Benzyl Alcohol	7.028	79	408219	48.922	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	712316	46.086	ng	97
17) 2-Methylphenol	7.140	107	372657	48.674	ng	99
18) Hexachloroethane	7.404	117	163287	44.468	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	325882	47.235	ng	95
20) 3+4-Methylphenols	7.293	107	460612	47.035	ng	# 80
22) Acetophenone	7.298	105	607644	49.335	ng	99
24) Nitrobenzene	7.475	77	487597	49.017	ng	97
25) Isophorone	7.710	82	883102	51.282	ng	99
26) 2-Nitrophenol	7.787	139	221380	58.991	ng	97
27) 2,4-Dimethylphenol	7.816	122	376929	60.236	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	530666	50.862	ng	99
29) 2,4-Dichlorophenol	8.022	162	367175	51.515	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	375220	47.576	ng	99
31) Naphthalene	8.192	128	1475280	56.885	ng	100
32) Benzoic acid	7.922	122	258420	47.349	ng	97
33) 4-Chloroaniline	8.240	127	47003	5.315	ng	98
34) Hexachlorobutadiene	8.310	225	240622	48.558	ng	99
35) Caprolactam	8.598	113	97605	43.068	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	379896	48.136	ng	97
37) 2-Methylnaphthalene	8.887	142	853619	53.743	ng	99
38) 1-Methylnaphthalene	8.987	142	797249	51.160	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	373726	57.097	ng	99
41) Hexachlorocyclopentadiene	9.039	237	214740	94.288	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	265846	57.367	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139971.D
 Acq On : 23 Oct 2024 18:28
 Operator : RC/JU
 Sample : P4397-06MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOTMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:10:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	256132	53.572	ng	99
46) 1,1'-Biphenyl	9.351	154	943666	55.872	ng	100
47) 2-Chloronaphthalene	9.375	162	726392	53.399	ng	99
48) 2-Nitroaniline	9.463	65	238771	57.391	ng	95
49) Acenaphthylene	9.792	152	1082454	55.041	ng	100
50) Dimethylphthalate	9.645	163	864443	57.202	ng	100
51) 2,6-Dinitrotoluene	9.710	165	181141	55.360	ng	94
52) Acenaphthene	9.963	154	777728	61.133	ng	99
53) 3-Nitroaniline	9.875	138	60382	17.895	ng	98
54) 2,4-Dinitrophenol	9.981	184	133653	96.818	ng	# 1
55) Dibenzofuran	10.134	168	952626	52.190	ng	98
56) 4-Nitrophenol	10.028	139	253848	97.783	ng	96
57) 2,4-Dinitrotoluene	10.110	165	228275	56.731	ng	95
58) Fluorene	10.475	166	716351	51.527	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	195676	52.207	ng	96
60) Diethylphthalate	10.345	149	795465	53.610	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	360807	51.391	ng	98
62) 4-Nitroaniline	10.486	138	145450	45.640	ng	95
63) Azobenzene	10.628	77	743674	47.276	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	94987	64.129	ng	91
66) n-Nitrosodiphenylamine	10.586	169	640036	58.890	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	218757	58.477	ng	97
68) Hexachlorobenzene	11.022	284	230847	54.868	ng	99
69) Atrazine	11.110	200	164318	55.813	ng	99
70) Pentachlorophenol	11.216	266	289137	113.234	ng	100
71) Phenanthrene	11.439	178	1006570	58.683	ng	99
72) Anthracene	11.492	178	966636	57.759	ng	100
73) Carbazole	11.639	167	834210	53.597	ng	99
74) Di-n-butylphthalate	11.975	149	1066617	59.315	ng	100
75) Fluoranthene	12.627	202	1023615	59.032	ng	100
77) Benzidine	12.745	184	154077	30.665	ng	99
78) Pyrene	12.857	202	1058288	39.566	ng	100
80) Butylbenzylphthalate	13.474	149	457311	57.029	ng	99
81) Benzo(a)anthracene	14.045	228	1075786	54.083	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	231729	39.955	ng	100
83) Chrysene	14.080	228	1005483	55.131	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	643508	71.526	ng	100
85) Di-n-octyl phthalate	14.645	149	1177689	71.968	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	729499	36.398	ng	99
88) Benzo(b)fluoranthene	15.098	252	1164759	61.374	ng	100
89) Benzo(k)fluoranthene	15.127	252	966378	59.044	ng	100
90) Benzo(a)pyrene	15.468	252	932048	59.687	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	614593	36.758	ng	99
92) Benzo(g,h,i)perylene	17.474	276	516991	30.956	ng	99

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

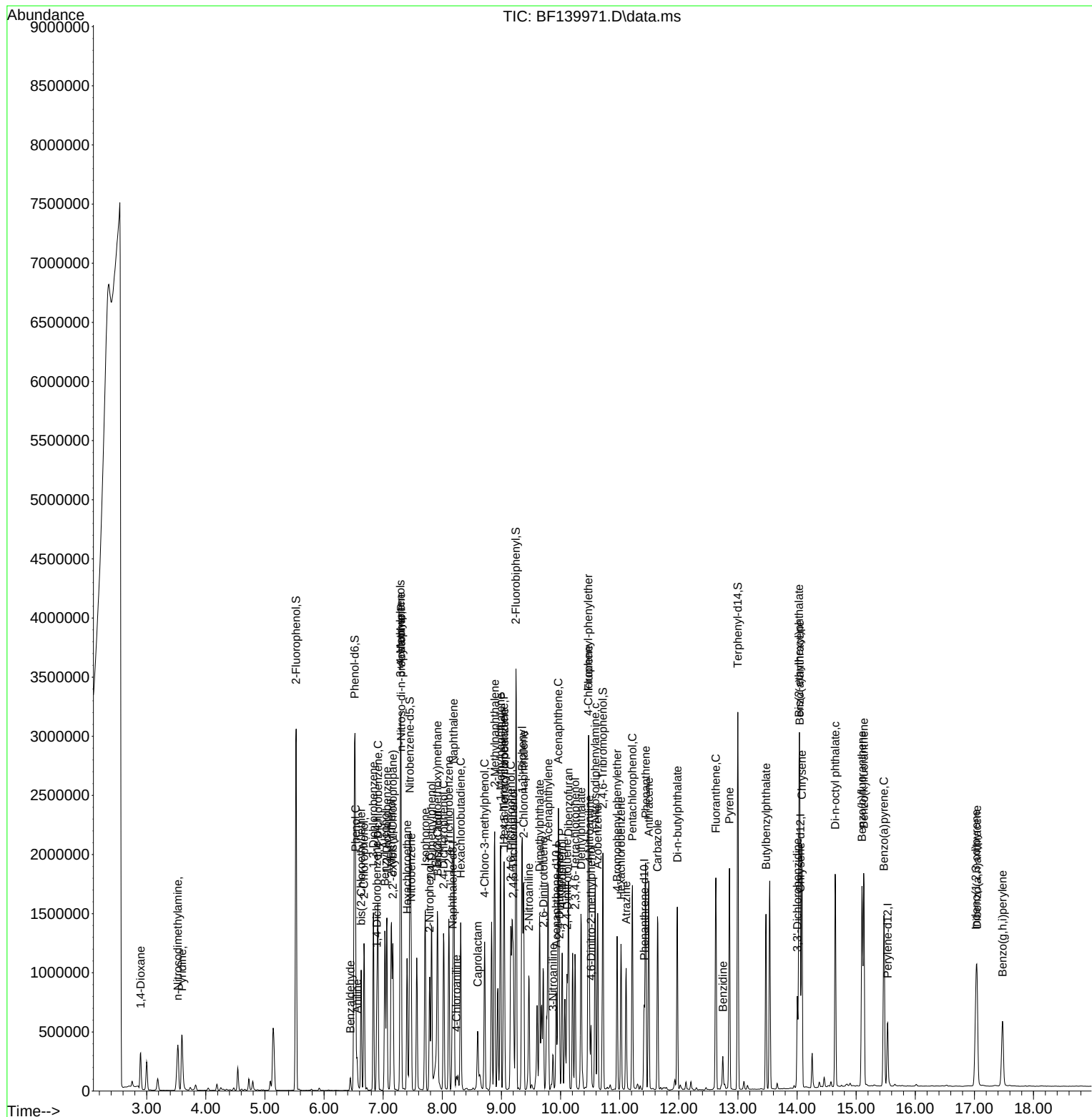
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

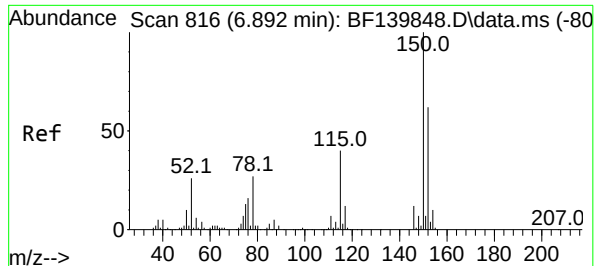
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

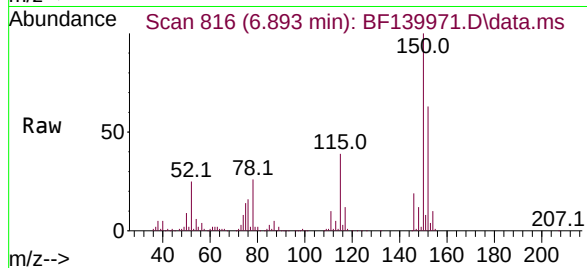
Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

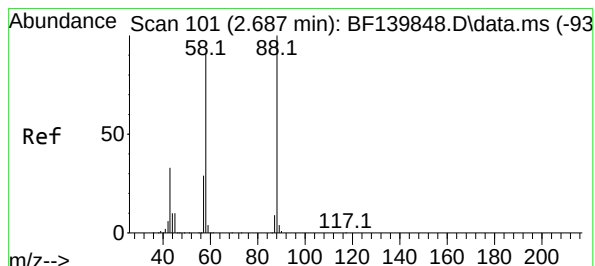
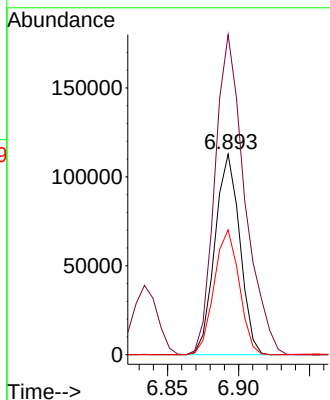
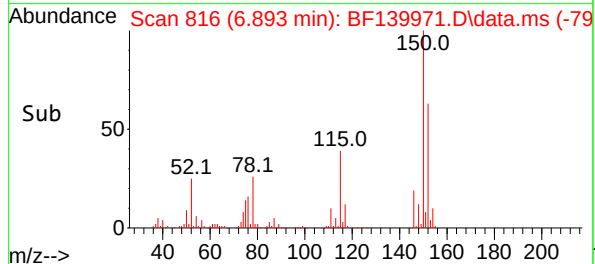
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:152 Resp: 137490
Ion Ratio Lower Upper
152 100
150 159.6 130.2 195.2
115 62.3 51.4 77.2

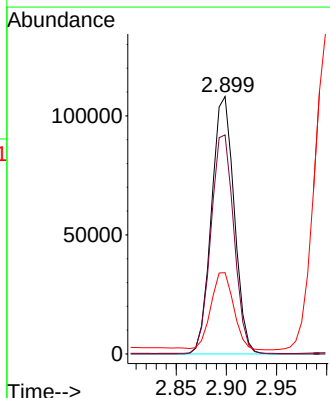
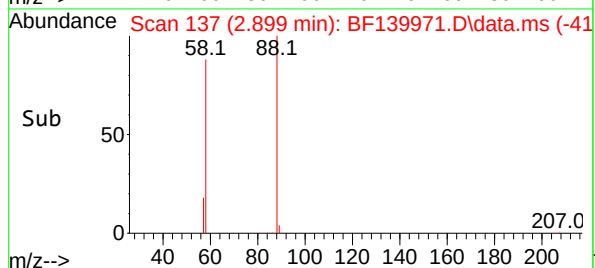
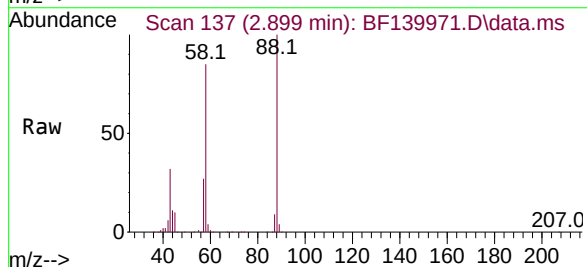
Manual Integrations
APPROVED

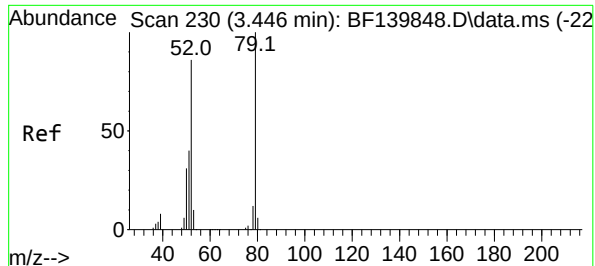
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#2
1,4-Dioxane
Concen: 41.564 ng
RT: 2.899 min Scan# 137
Delta R.T. 0.212 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion: 88 Resp: 170207
Ion Ratio Lower Upper
88 100
58 85.8 73.3 109.9
43 0.0 27.1 40.7#





#3

Pyridine

Concen: 30.580 ng

RT: 3.599 min Scan# 21

Delta R.T. 0.153 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion: 79 Resp: 31039

Ion Ratio Lower Upper

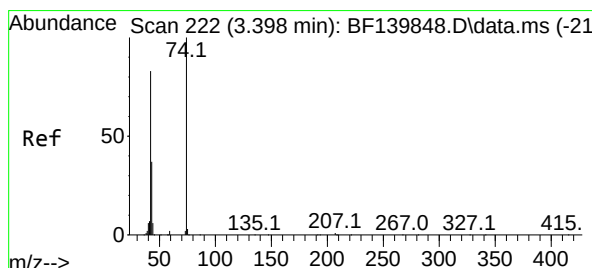
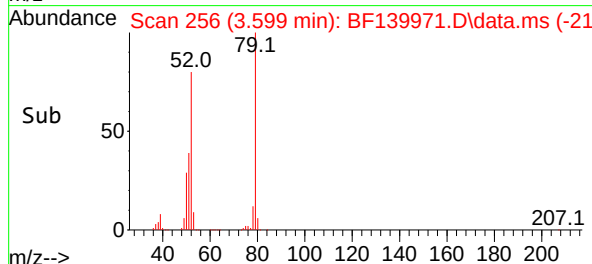
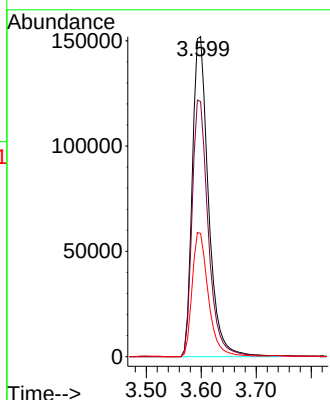
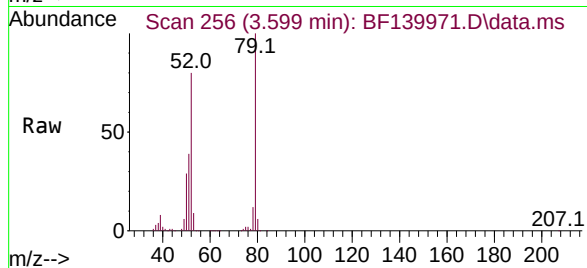
79 100

52 79.7 68.5 102.7

51 38.5 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#4

n-Nitrosodimethylamine

Concen: 43.420 ng

RT: 3.528 min Scan# 244

Delta R.T. 0.130 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

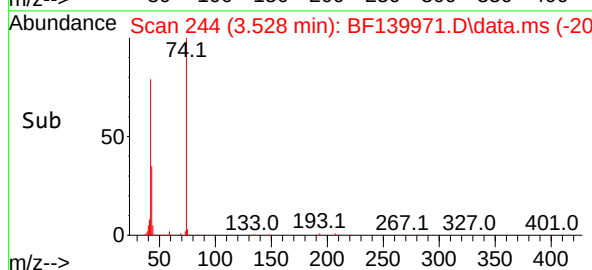
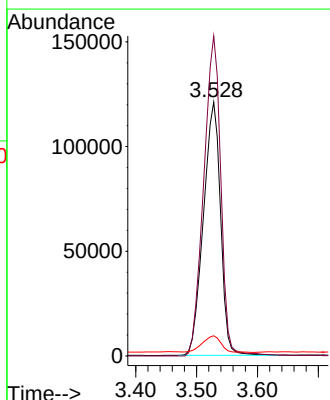
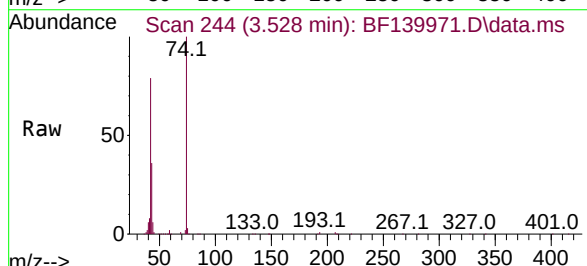
Tgt Ion: 42 Resp: 236790

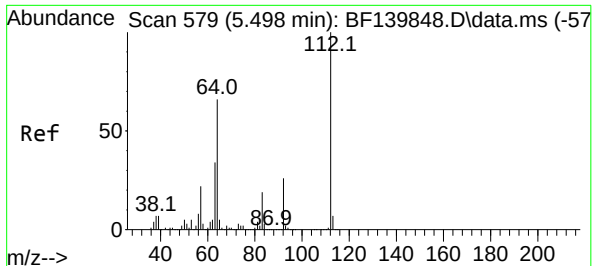
Ion Ratio Lower Upper

42 100

74 126.1 96.2 144.4

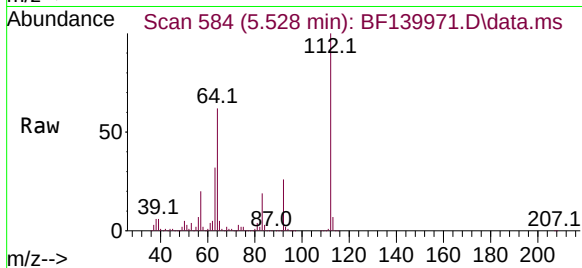
44 8.0 6.2 9.2





#5
2-Fluorophenol
Concen: 139.531 ng
RT: 5.528 min Scan# 584
Delta R.T. 0.030 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

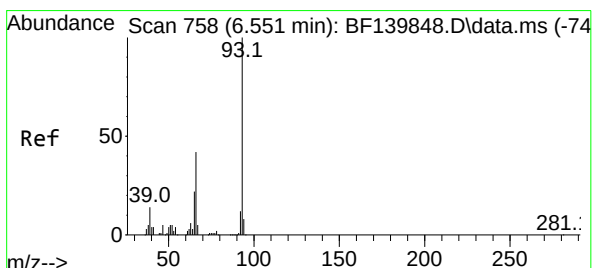
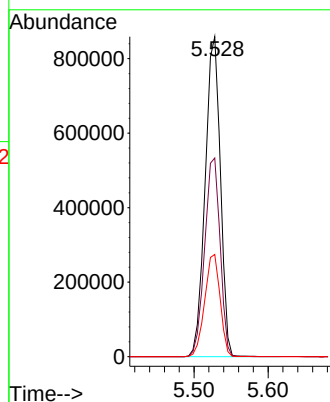
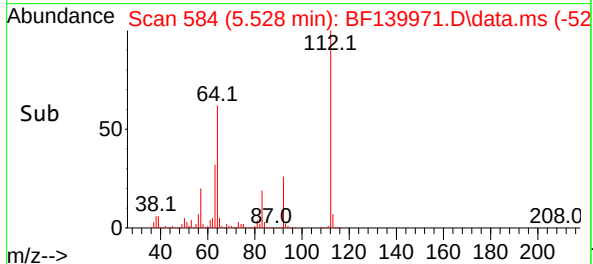
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion: 112 Resp: 1225492
Ion Ratio Lower Upper
112 100
64 62.1 53.0 79.6
63 31.9 27.0 40.4

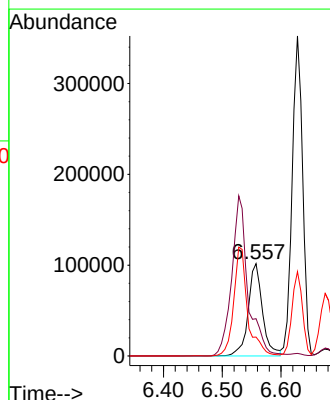
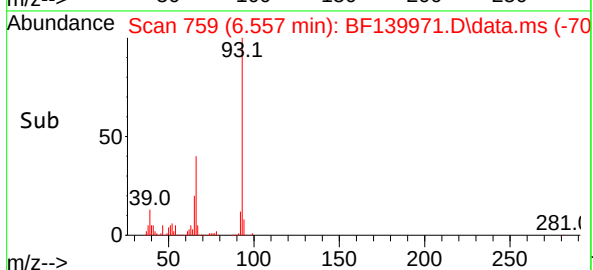
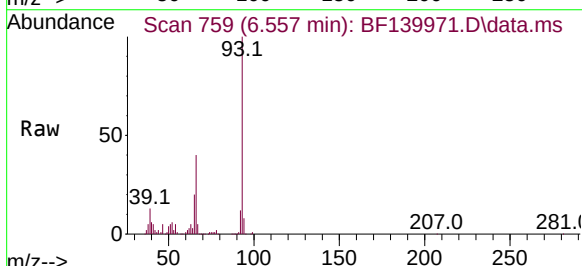
Manual Integrations
APPROVED

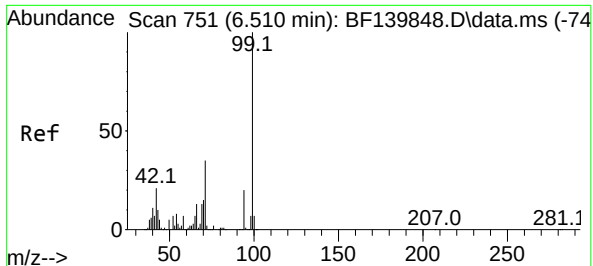
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#6
Aniline
Concen: 16.302 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

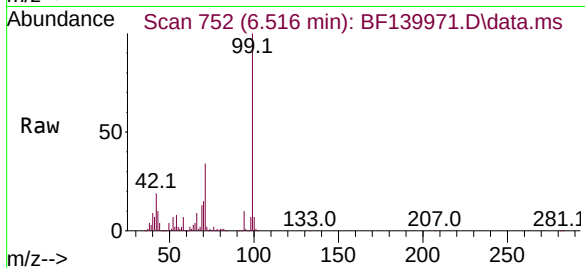
Tgt Ion: 93 Resp: 172832
Ion Ratio Lower Upper
93 100
66 40.4 34.0 51.0
65 20.5 17.4 26.0





#7
Phenol-d6
Concen: 129.876 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

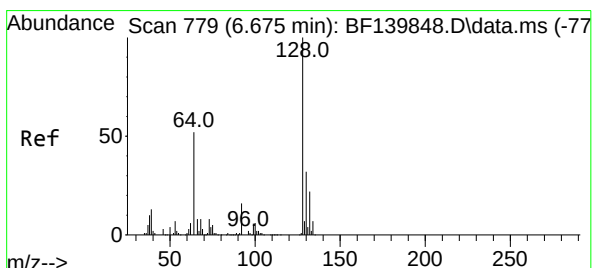
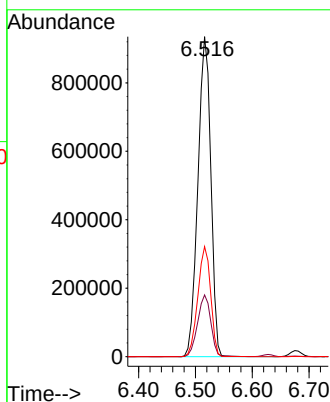
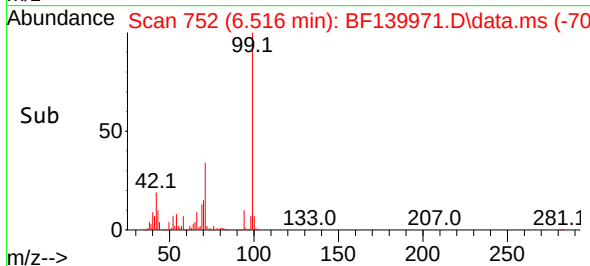
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion: 99 Resp: 147738
Ion Ratio Lower Upper
99 100
42 19.3 16.7 25.1
71 34.4 27.7 41.5

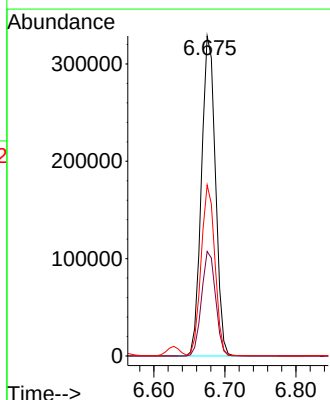
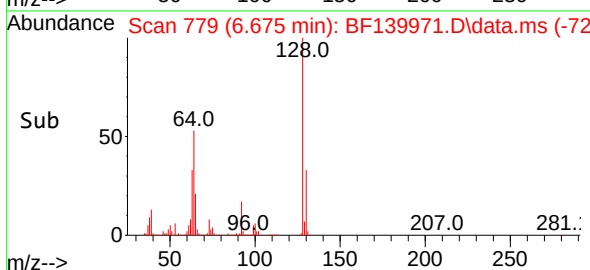
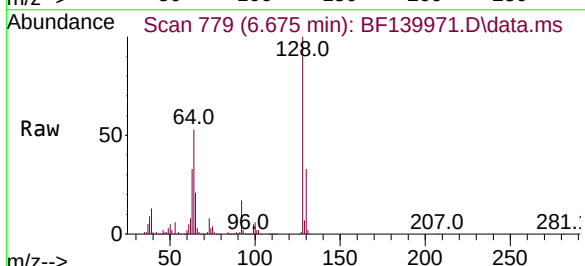
Manual Integrations
APPROVED

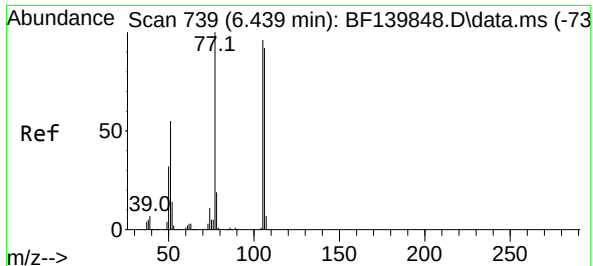
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#8
2-Chlorophenol
Concen: 50.301 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

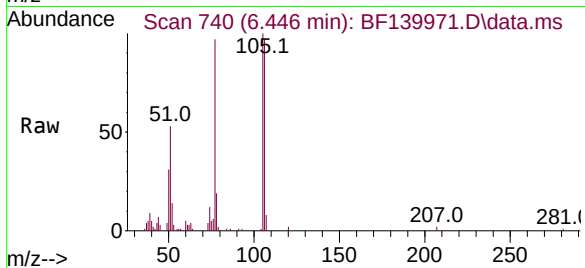
Tgt Ion:128 Resp: 451643
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 53.5 34.6 74.6





#9
Benzaldehyde
Concen: 4.227 ng
RT: 6.446 min Scan# 740
Delta R.T. 0.007 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

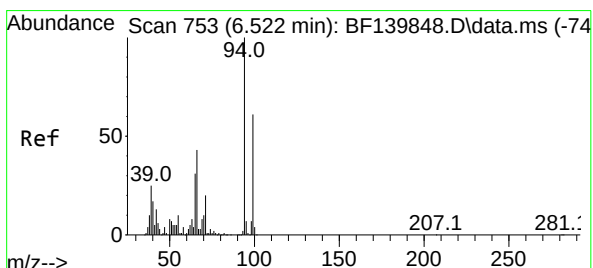
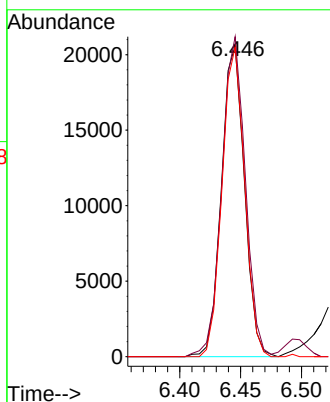
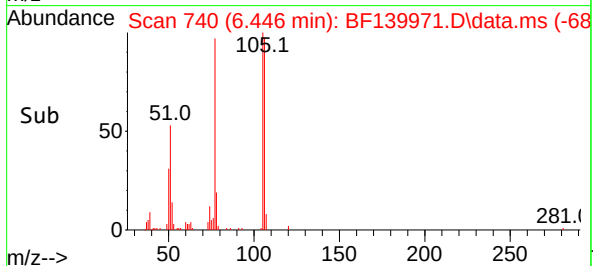
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion: 77 Resp: 27050
Ion Ratio Lower Upper
77 100
105 102.8 75.5 115.5
106 99.5 71.7 111.7

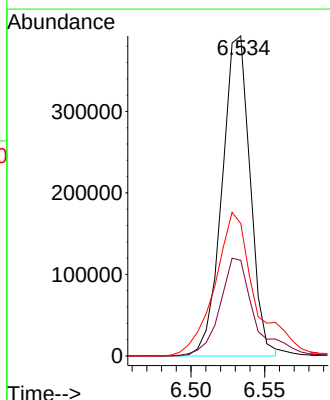
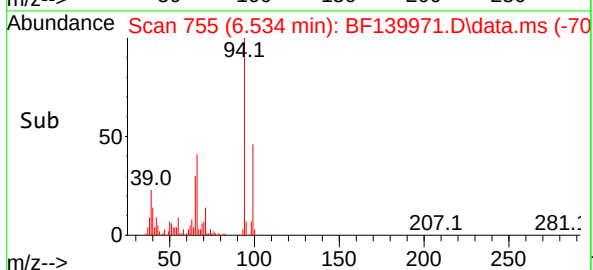
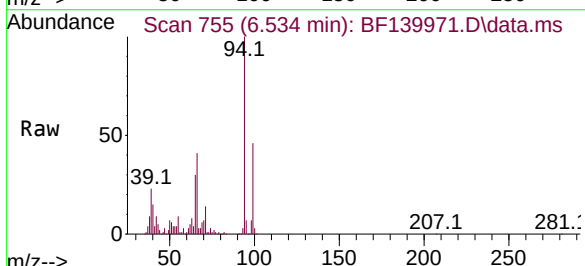
Manual Integrations
APPROVED

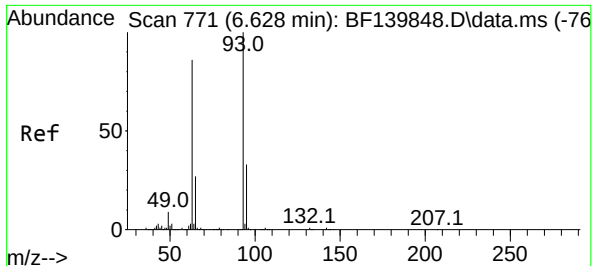
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#10
Phenol
Concen: 44.356 ng m
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

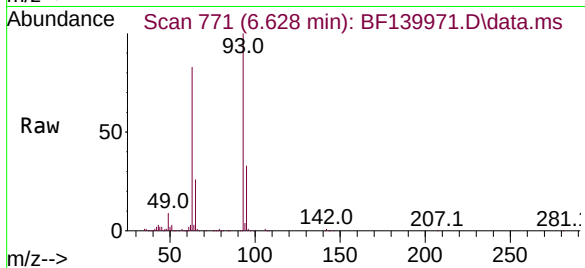
Tgt Ion: 94 Resp: 520184
Ion Ratio Lower Upper
94 100
65 29.9 11.1 51.1
66 41.4 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 48.320 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

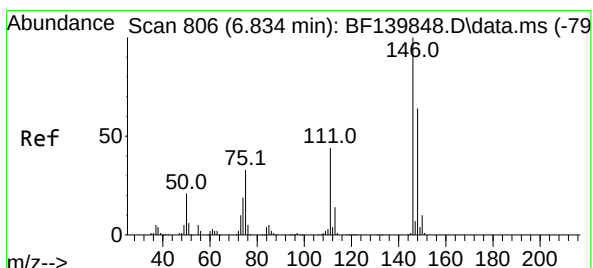
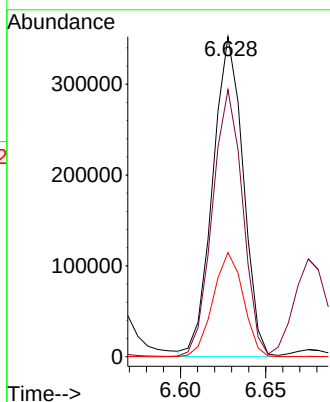
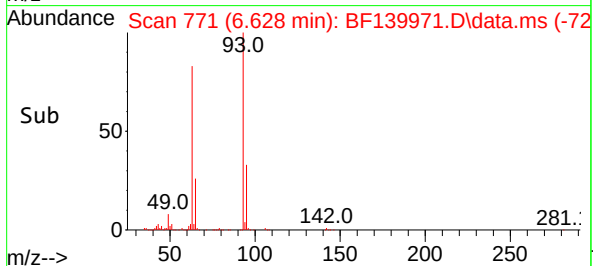
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



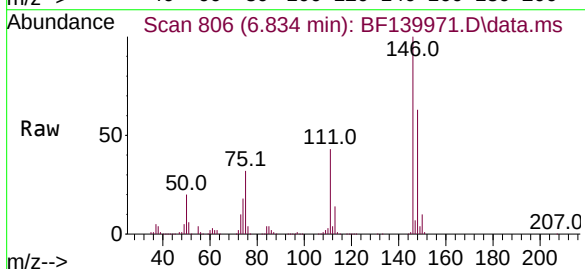
Tgt Ion: 93 Resp: 437994
Ion Ratio Lower Upper
93 100
63 83.5 65.0 105.0
95 32.5 12.4 52.4

Manual Integrations
APPROVED

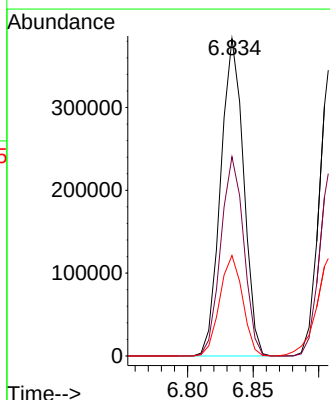
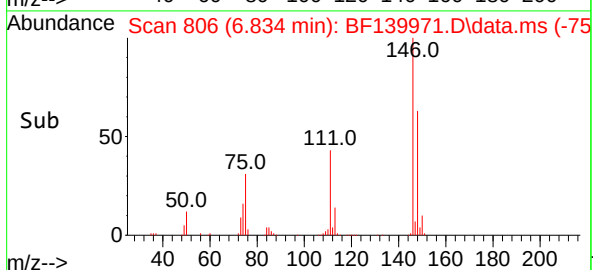
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

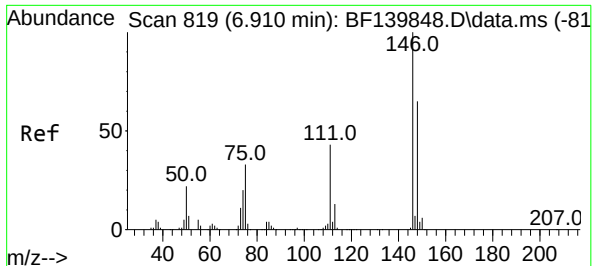


#12
1,3-Dichlorobenzene
Concen: 45.190 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



Tgt Ion:146 Resp: 465766
Ion Ratio Lower Upper
146 100
148 62.8 51.0 76.4
75 31.6 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 45.308 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:146 Resp: 46655

Ion Ratio Lower Upper

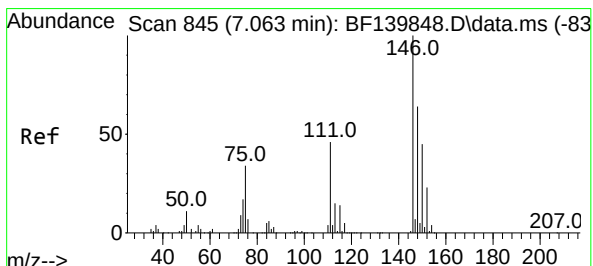
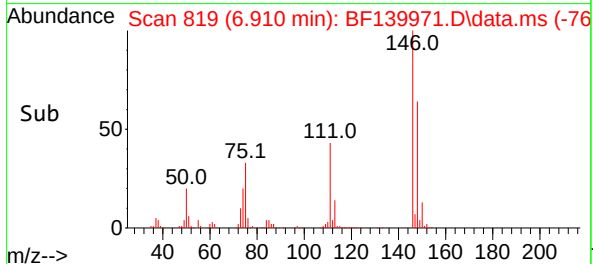
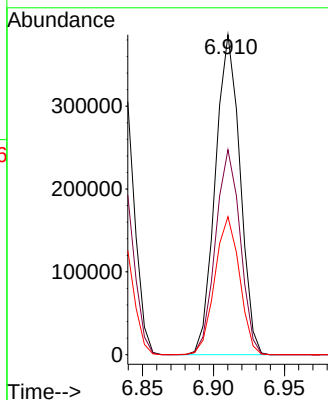
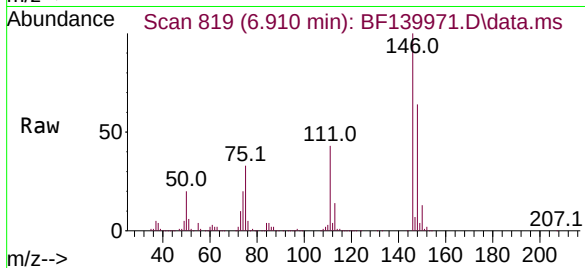
146 100

148 64.1 51.8 77.8

111 43.1 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#14

1,2-Dichlorobenzene

Concen: 46.512 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

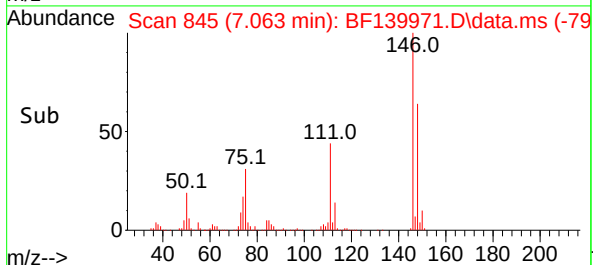
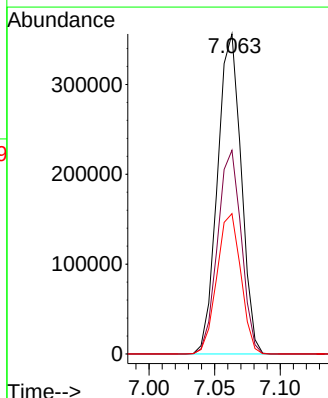
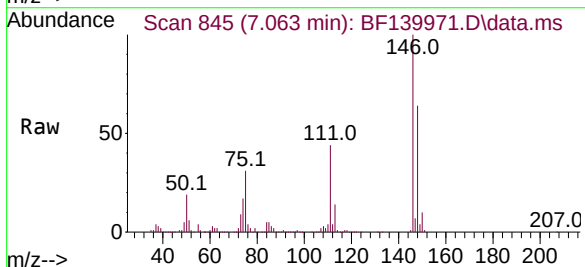
Tgt Ion:146 Resp: 446998

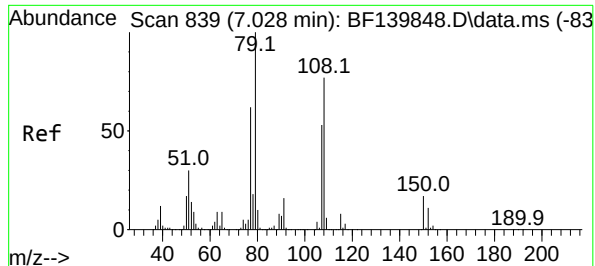
Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

111 43.8 36.7 55.1





#15

Benzyl Alcohol

Concen: 48.922 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion: 79 Resp: 408219

Ion Ratio Lower Upper

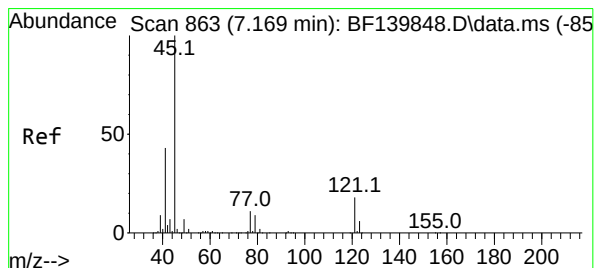
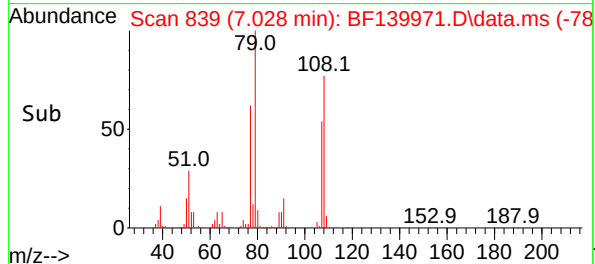
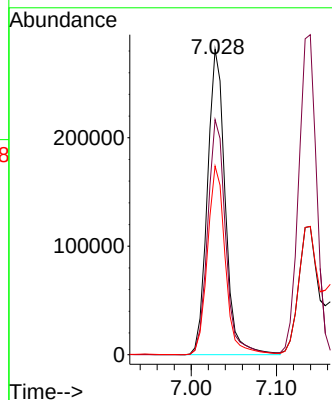
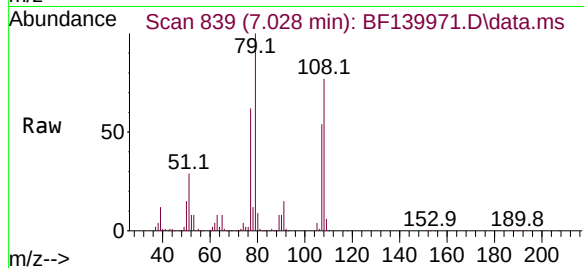
79 100

108 77.0 61.4 92.0

77 61.8 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.086 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

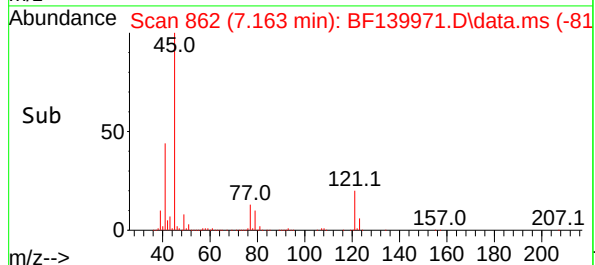
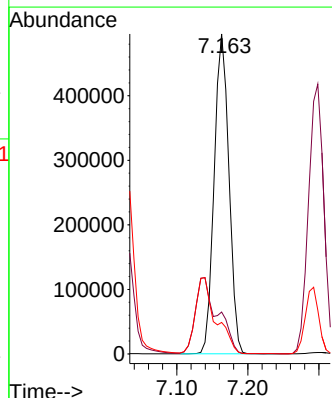
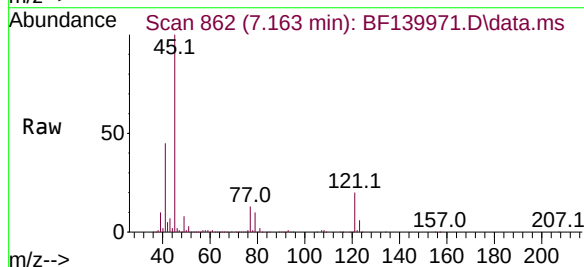
Tgt Ion: 45 Resp: 712316

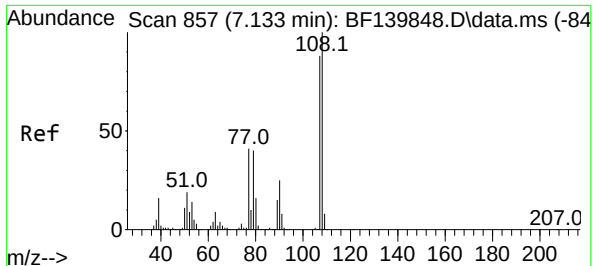
Ion Ratio Lower Upper

45 100

77 13.1 0.0 31.5

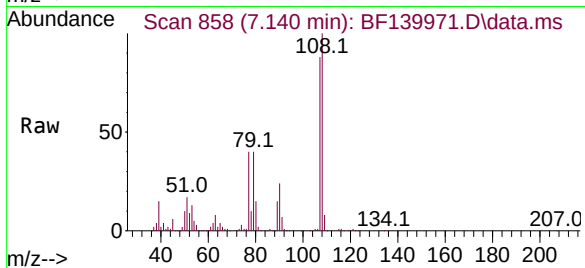
79 9.8 0.0 29.1





#17
2-Methylphenol
Concen: 48.674 ng
RT: 7.140 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

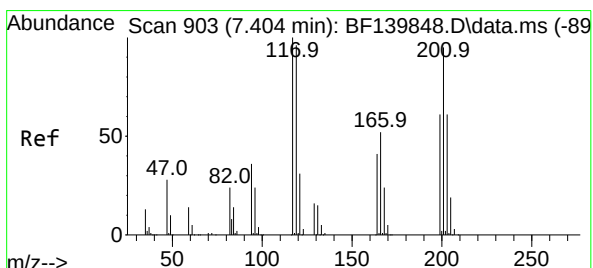
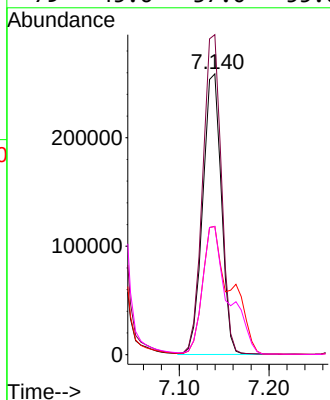
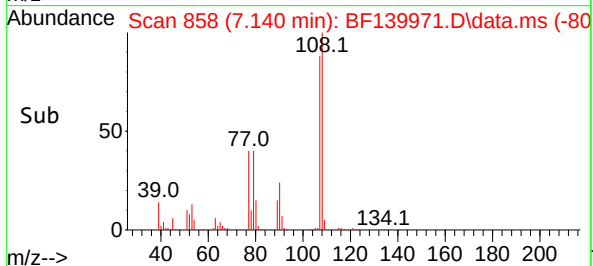
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:107 Resp: 37265
Ion Ratio Lower Upper
107 100
108 113.9 91.3 136.9
77 45.7 37.1 55.7
79 45.6 37.0 55.6

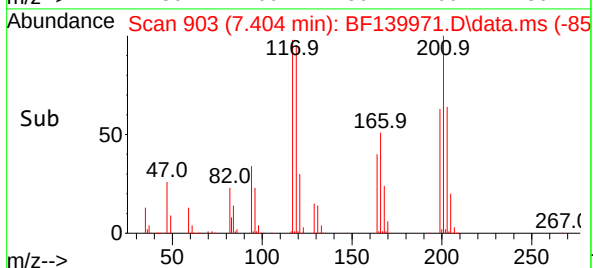
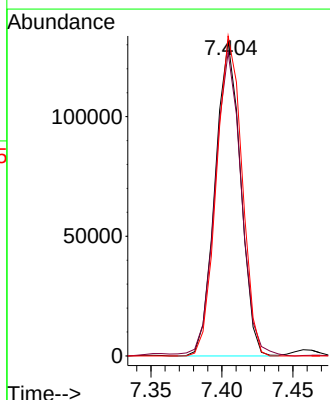
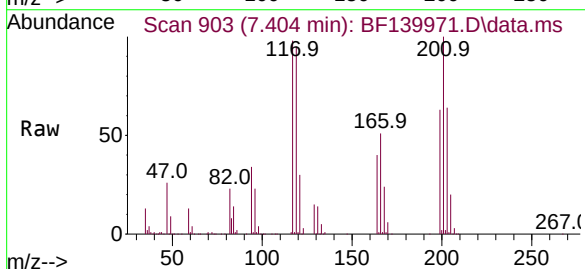
Manual Integrations
APPROVED

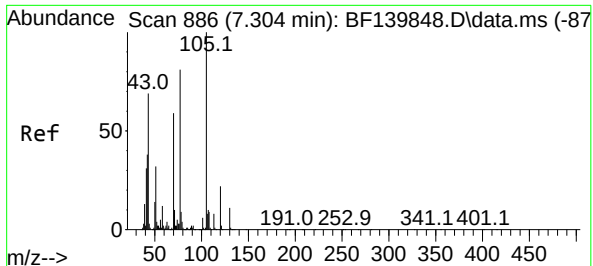
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#18
Hexachloroethane
Concen: 44.468 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion:117 Resp: 163287
Ion Ratio Lower Upper
117 100
119 96.6 77.0 115.4
201 101.9 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 47.235 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion: 70 Resp: 32588

Ion Ratio Lower Upper

70 100

42 59.8 51.5 77.3

101 9.7 7.5 11.3

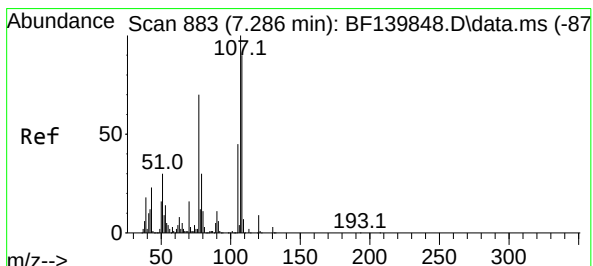
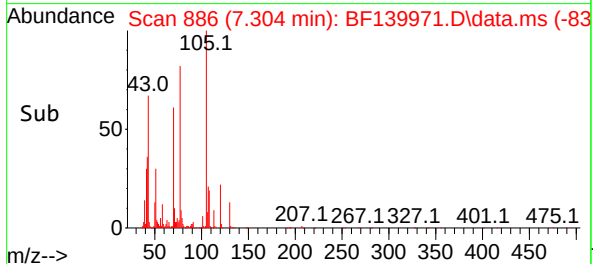
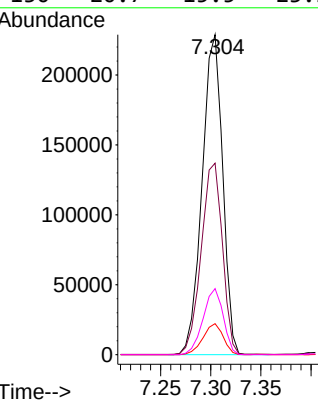
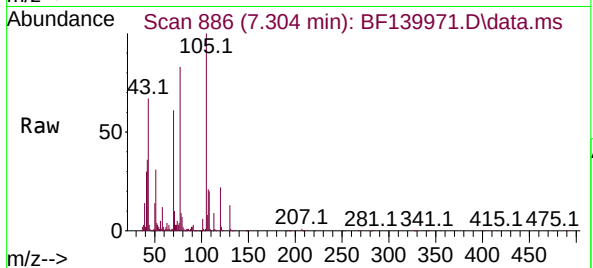
130 20.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#20

3+4-Methylphenols

Concen: 47.035 ng

RT: 7.293 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Tgt Ion:107 Resp: 460612

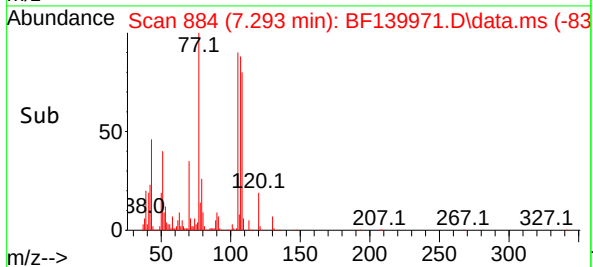
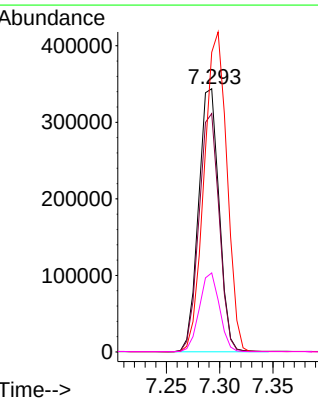
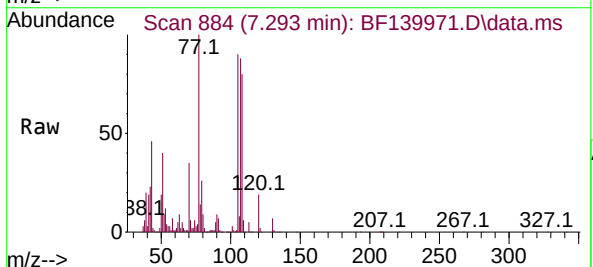
Ion Ratio Lower Upper

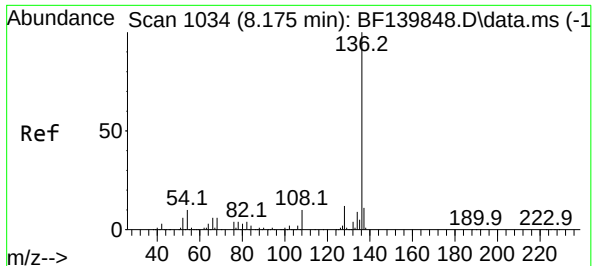
107 100

108 90.5 69.8 109.8

77 113.8 50.5 90.5#

79 30.0 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:136 Resp: 50285

Ion Ratio Lower Upper

136 100

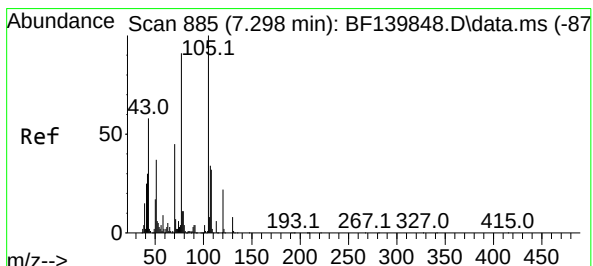
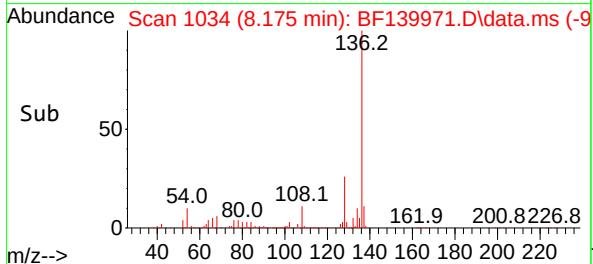
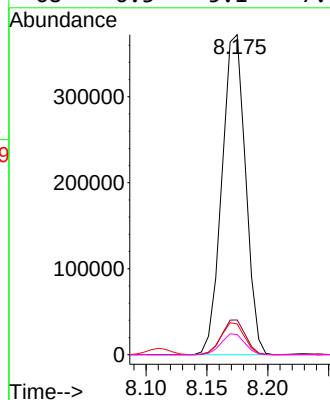
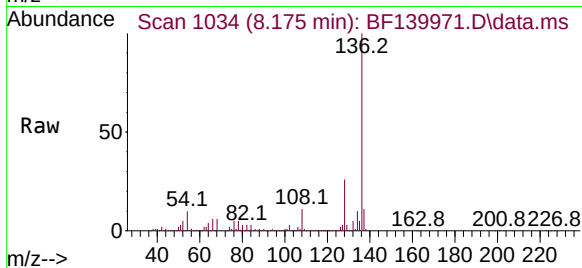
137 10.9 8.6 12.8

54 9.6 8.4 12.6

68 6.3 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#22

Acetophenone

Concen: 49.335 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Tgt Ion:105 Resp: 607644

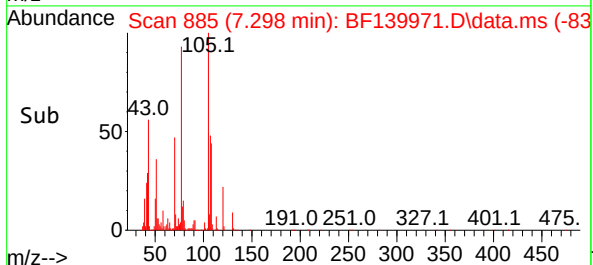
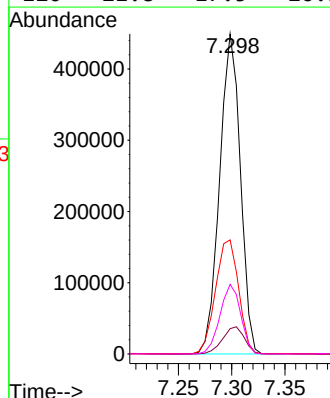
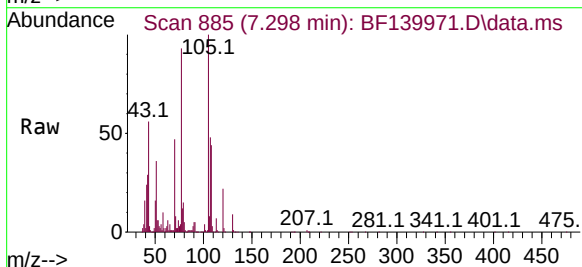
Ion Ratio Lower Upper

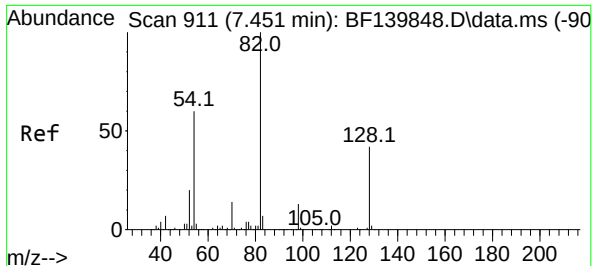
105 100

71 7.9 5.9 8.9

51 35.6 29.4 44.2

120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 111.213 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

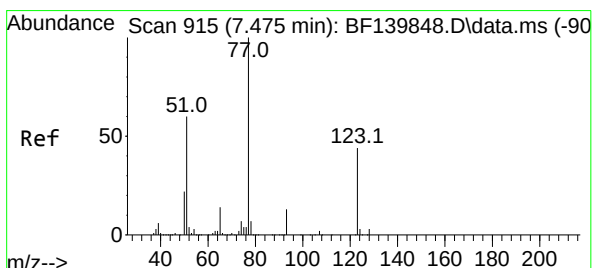
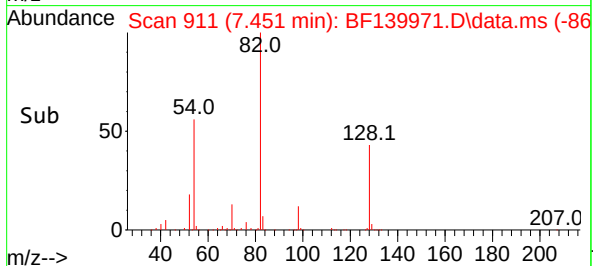
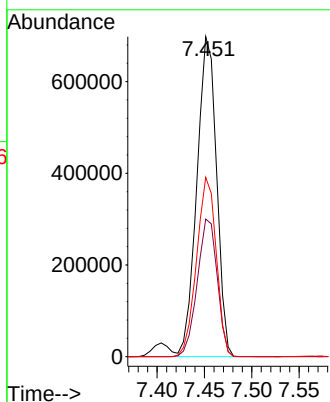
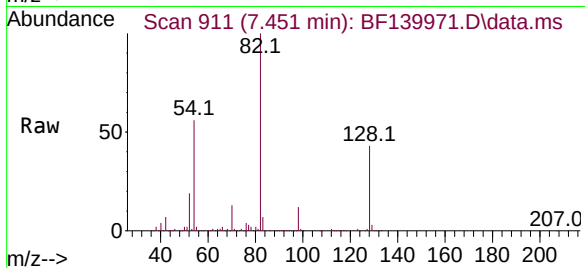
Tgt Ion: 82 Resp: 1009040

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	56.0	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#24

Nitrobenzene

Concen: 49.017 ng

RT: 7.475 min Scan# 915

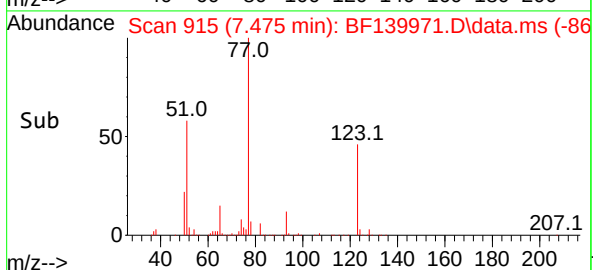
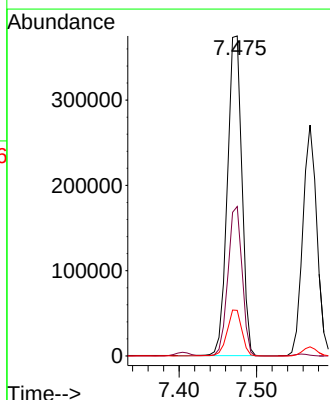
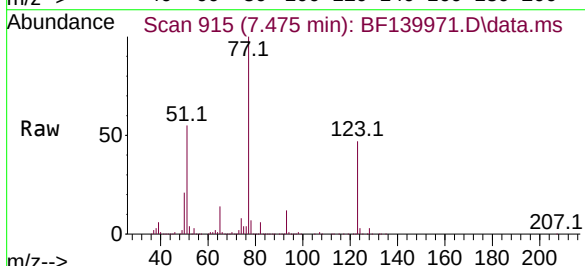
Delta R.T. 0.000 min

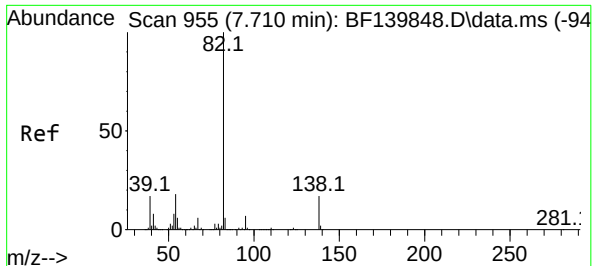
Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Tgt Ion: 77 Resp: 487597

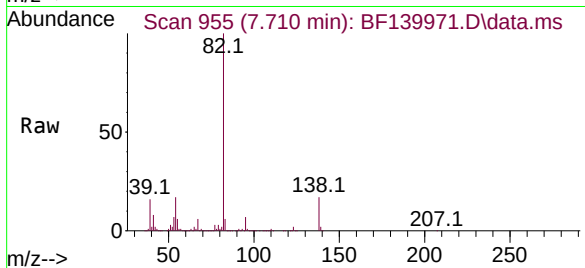
Ion	Ratio	Lower	Upper
77	100		
123	46.7	35.7	53.5
65	14.3	11.5	17.3





#25
Isophorone
Concen: 51.282 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

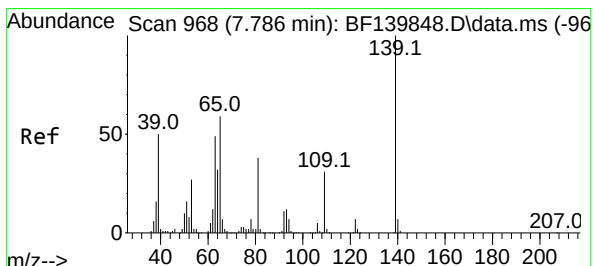
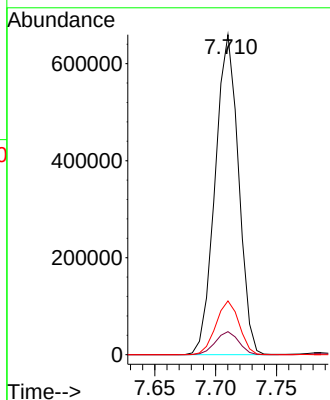
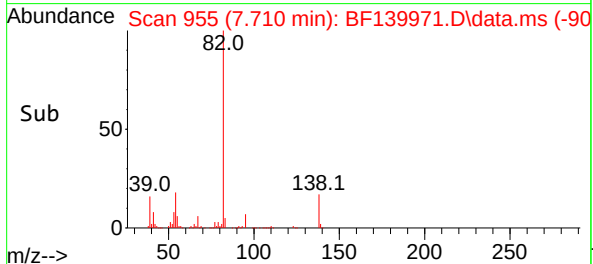
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



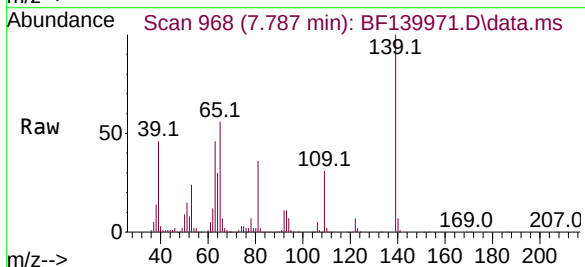
Tgt Ion: 82 Resp: 883102
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 16.8 13.2 19.8

Manual Integrations
APPROVED

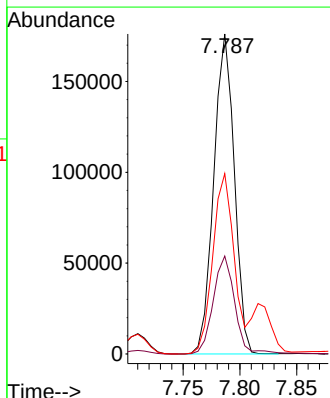
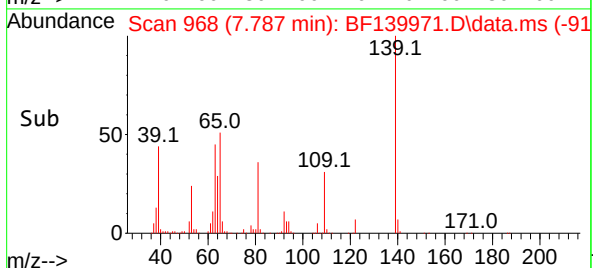
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

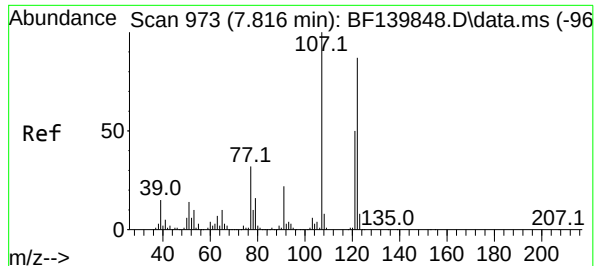


#26
2-Nitrophenol
Concen: 58.991 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



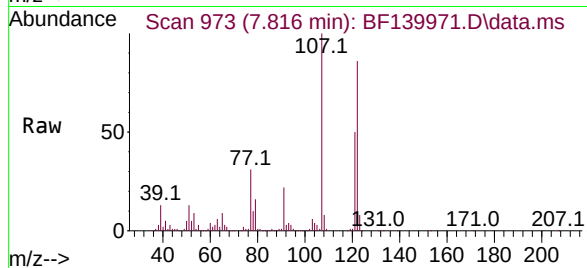
Tgt Ion:139 Resp: 221380
Ion Ratio Lower Upper
139 100
109 30.6 25.1 37.7
65 56.4 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 60.236 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

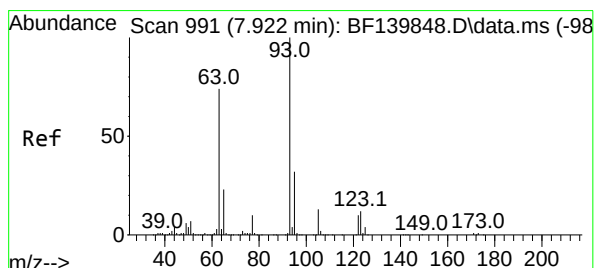
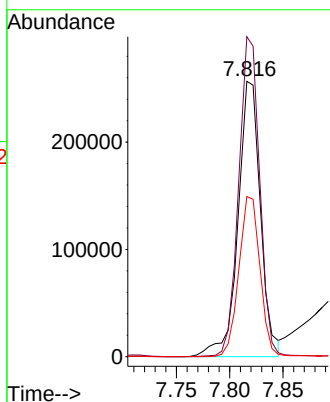
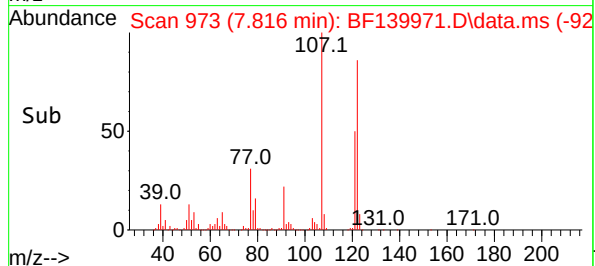
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:122 Resp: 376929
Ion Ratio Lower Upper
122 100
107 116.2 91.9 137.9
121 58.1 46.2 69.4

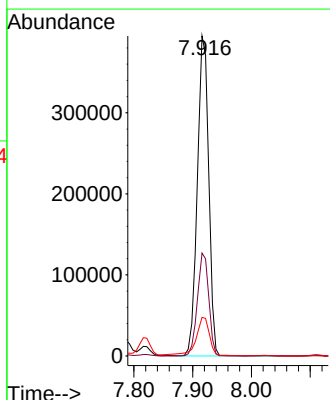
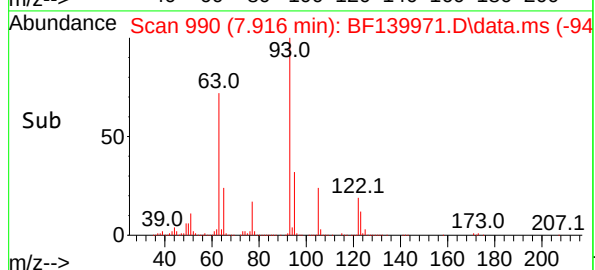
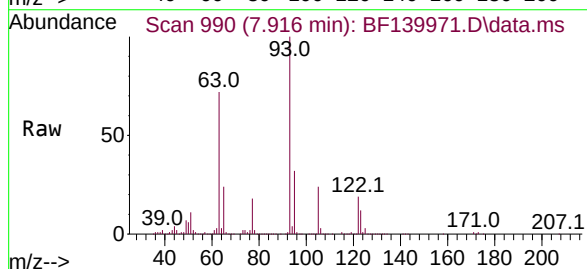
Manual Integrations
APPROVED

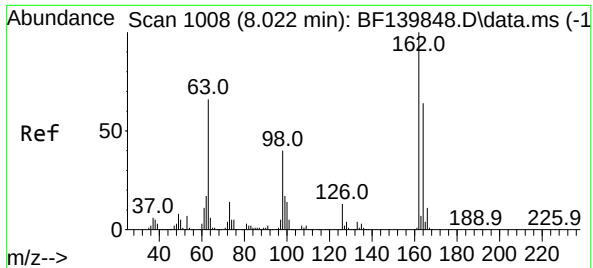
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#28
bis(2-Chloroethoxy)methane
Concen: 50.862 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion: 93 Resp: 530666
Ion Ratio Lower Upper
93 100
95 32.2 26.0 39.0
123 12.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 51.515 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:162 Resp: 36717

Ion Ratio Lower Upper

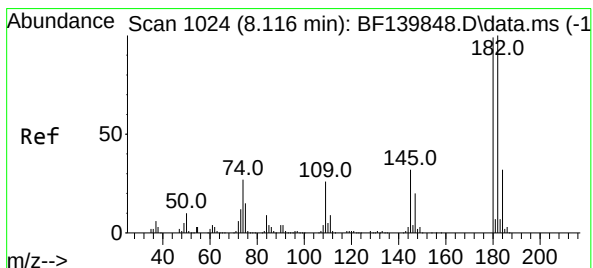
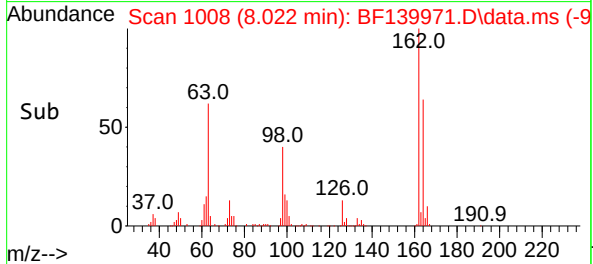
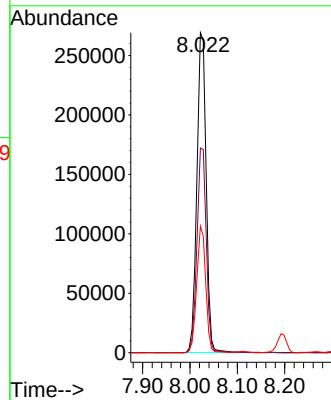
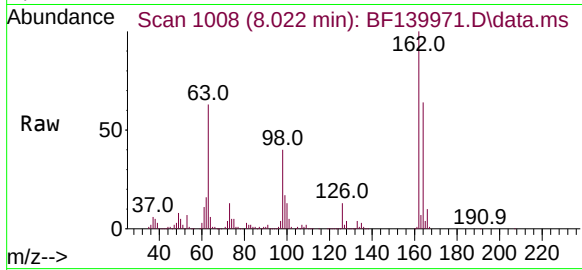
162 100

164 64.0 43.9 83.9

98 39.5 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#30

1,2,4-Trichlorobenzene

Concen: 47.576 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

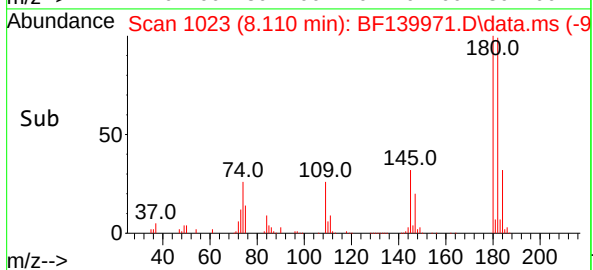
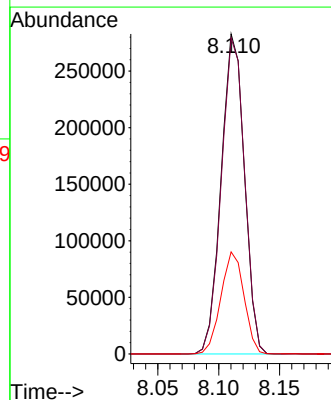
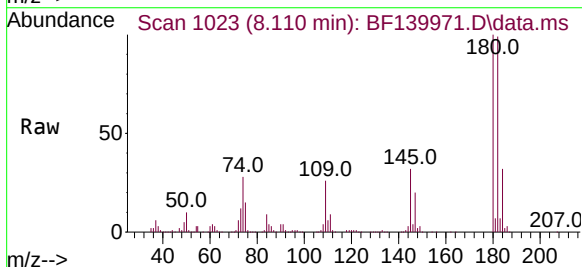
Tgt Ion:180 Resp: 375220

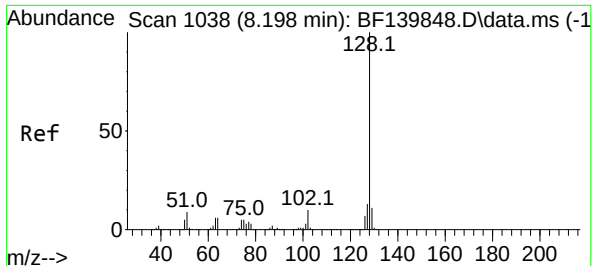
Ion Ratio Lower Upper

180 100

182 98.8 80.5 120.7

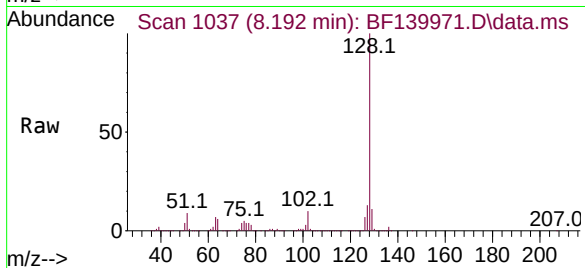
145 31.9 25.4 38.0





#31
Naphthalene
Concen: 56.885 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

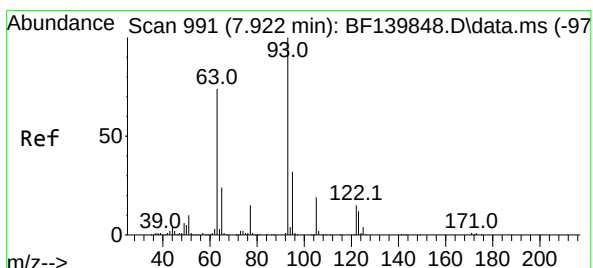
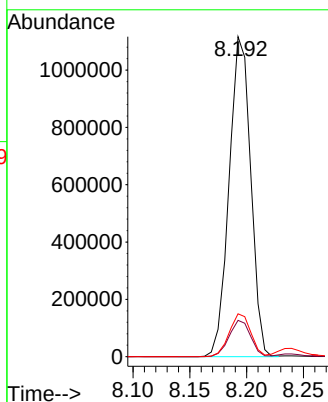
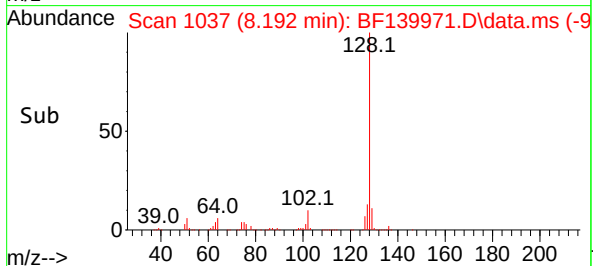
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:128 Resp: 1475280
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.4 10.6 16.0

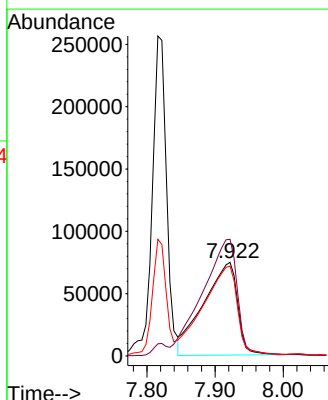
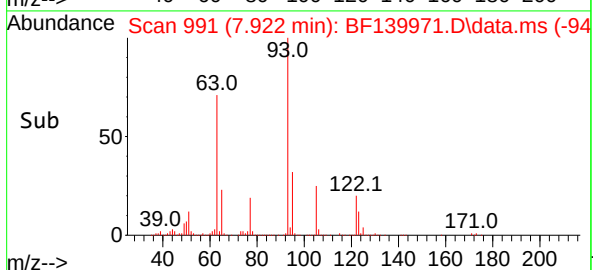
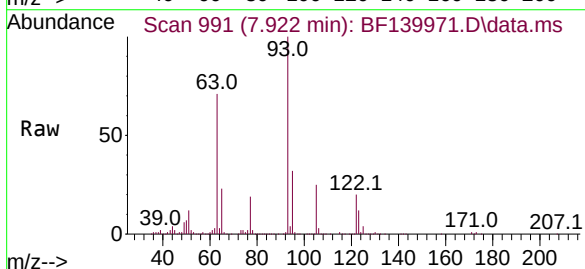
Manual Integrations
APPROVED

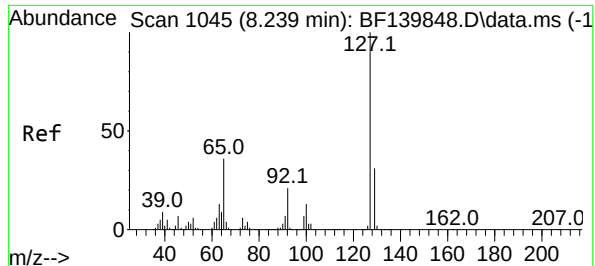
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#32
Benzoic acid
Concen: 47.349 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion:122 Resp: 258420
Ion Ratio Lower Upper
122 100
105 124.6 107.6 147.6
77 96.0 80.2 120.2





#33

4-Chloroaniline

Concen: 5.315 ng

RT: 8.240 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:127 Resp: 47000

Ion Ratio Lower Upper

127 100

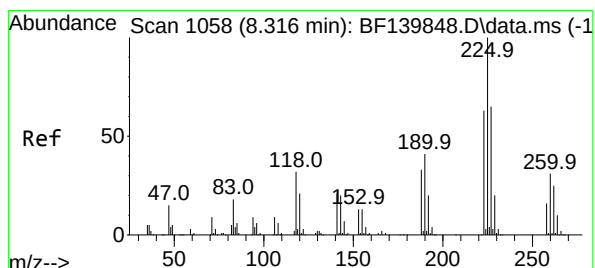
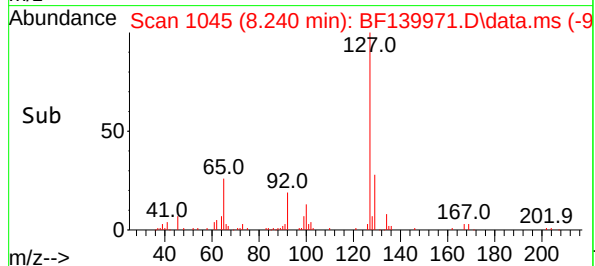
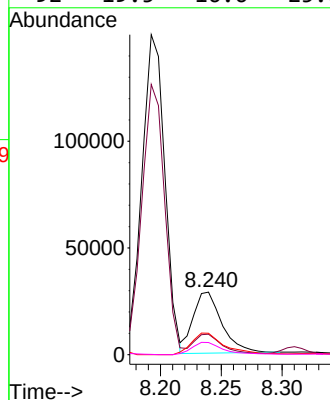
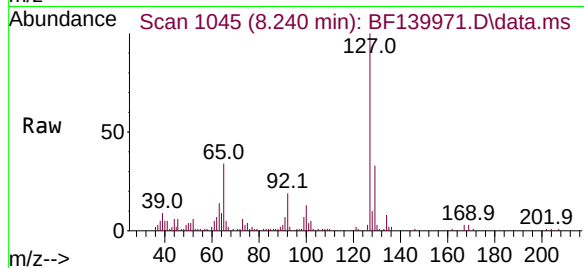
129 32.6 25.4 38.2

65 34.2 28.4 42.6

92 19.5 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#34

Hexachlorobutadiene

Concen: 48.558 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

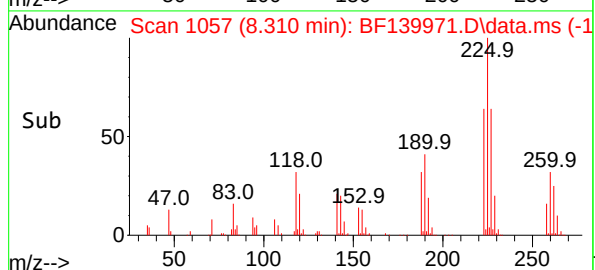
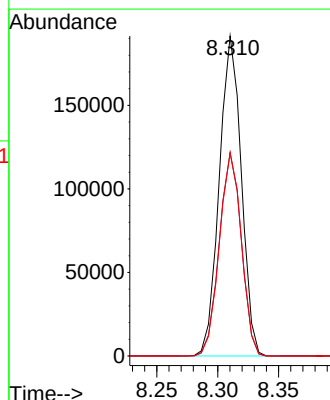
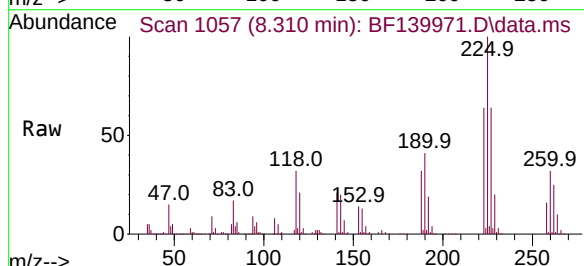
Tgt Ion:225 Resp: 240622

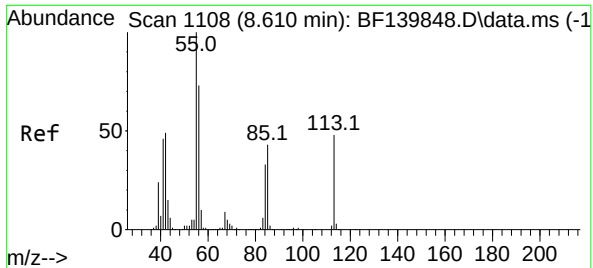
Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

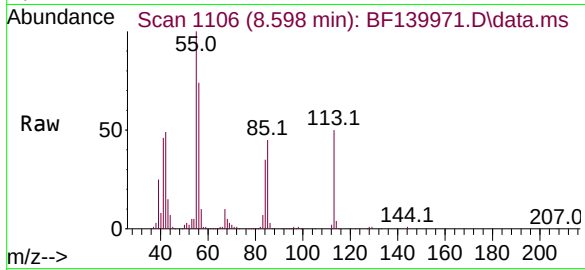
227 63.5 51.8 77.8





#35
Caprolactam
Concen: 43.068 ng
RT: 8.598 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

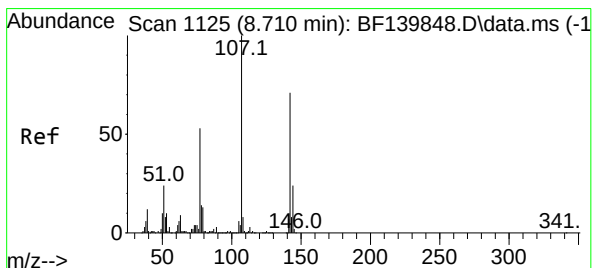
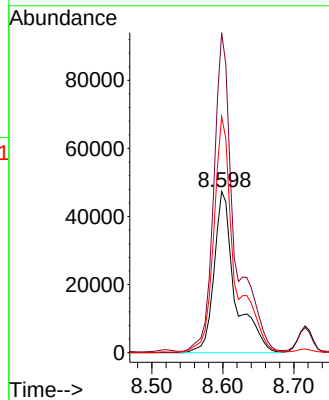
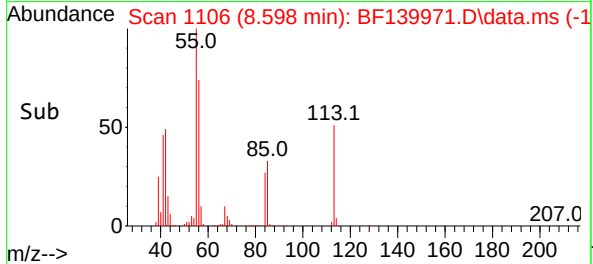
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:113 Resp: 9760
Ion Ratio Lower Upper
113 100
55 198.5 189.2 229.2
56 146.4 132.5 172.5

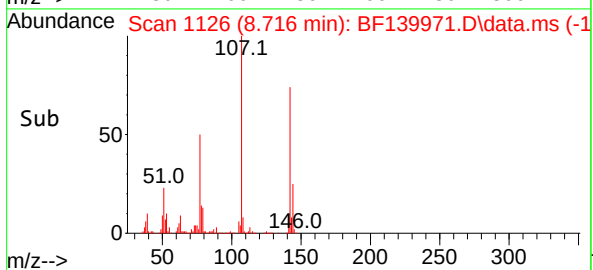
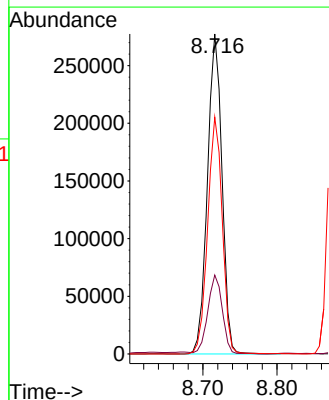
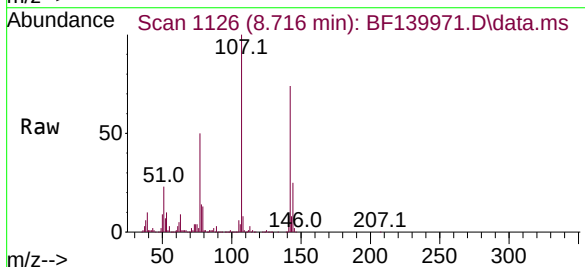
Manual Integrations
APPROVED

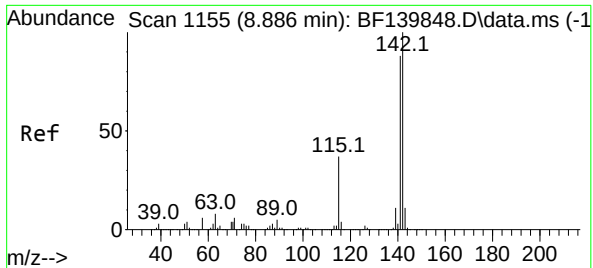
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#36
4-Chloro-3-methylphenol
Concen: 48.136 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion:107 Resp: 379896
Ion Ratio Lower Upper
107 100
144 24.6 19.1 28.7
142 74.0 57.2 85.8





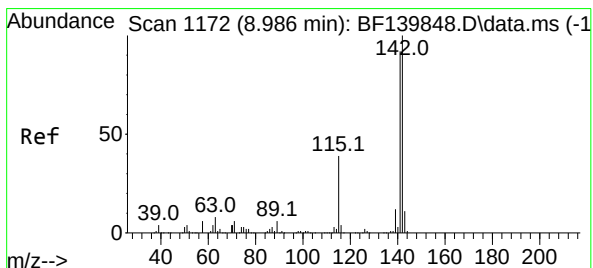
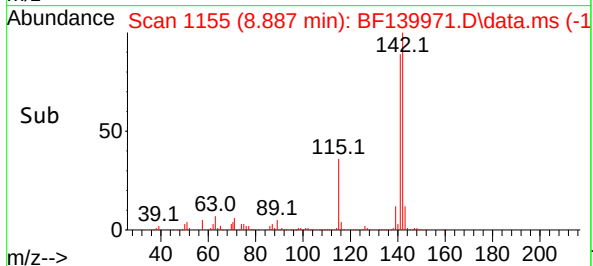
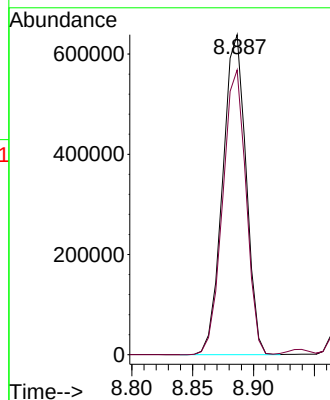
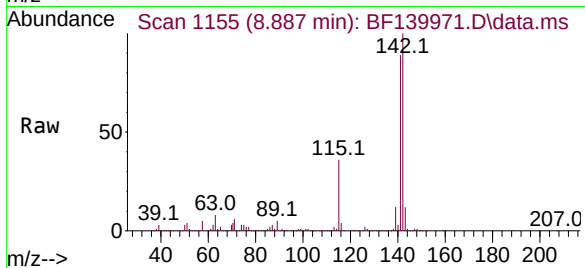
#37
2-Methylnaphthalene
Concen: 53.743 ng
RT: 8.887 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Tgt Ion:142 Resp: 853619
Ion Ratio Lower Upper
142 100
141 89.0 70.8 106.2

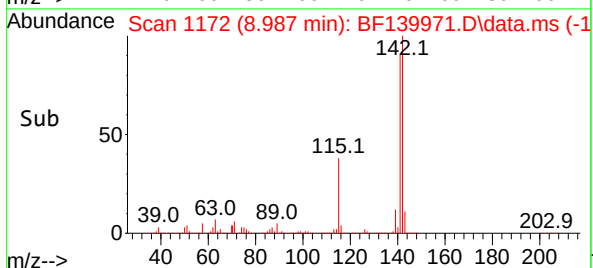
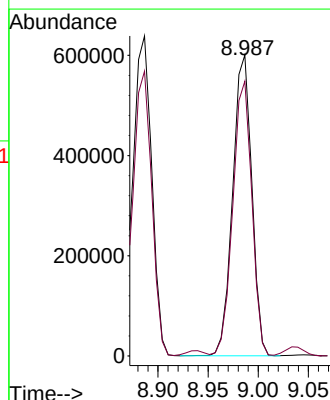
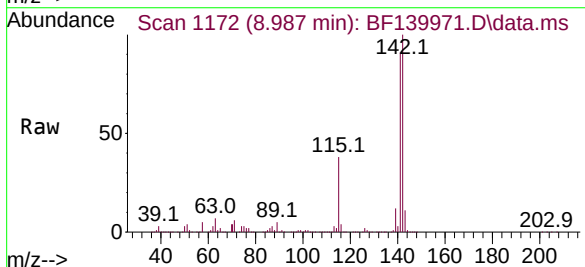
Manual Integrations
APPROVED

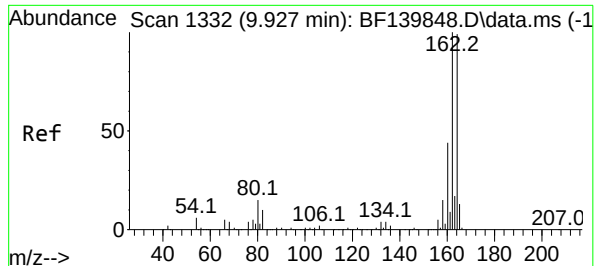
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#38
1-Methylnaphthalene
Concen: 51.160 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion:142 Resp: 797249
Ion Ratio Lower Upper
142 100
141 91.3 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

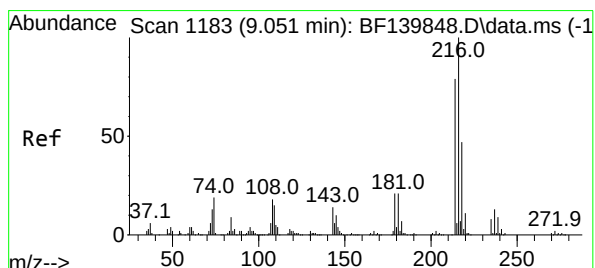
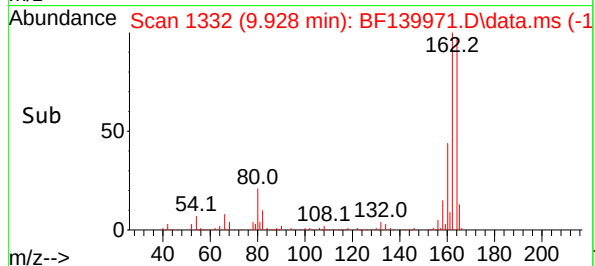
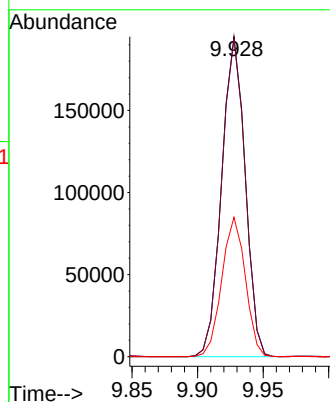
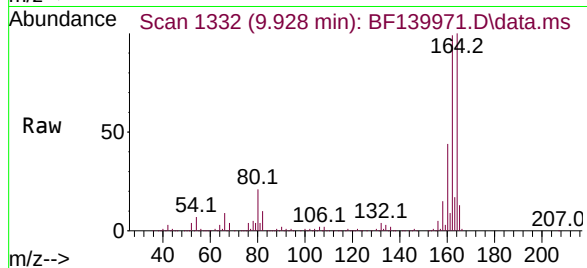
WB-301-BOTMSD

Tgt Ion:	164	Resp:	24261
Ion Ratio	Lower	Upper	
164	100		
162	99.3	81.0	121.4
160	43.5	35.4	53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.097 ng

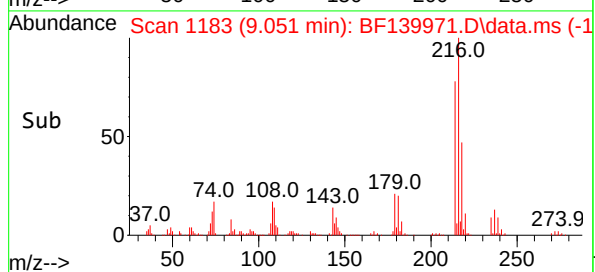
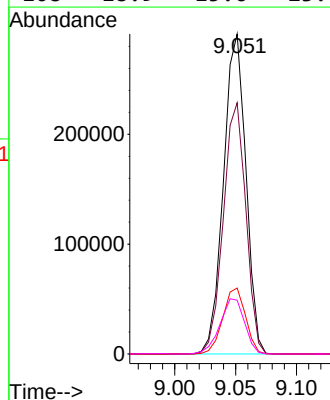
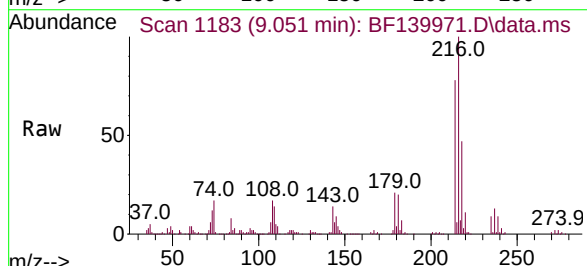
RT: 9.051 min Scan# 1183

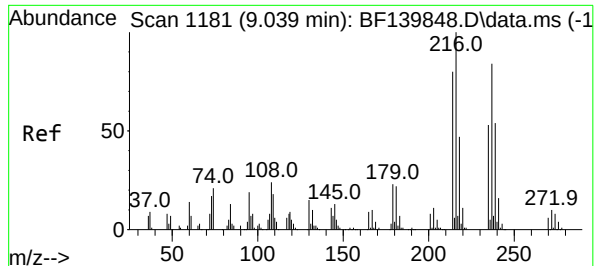
Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

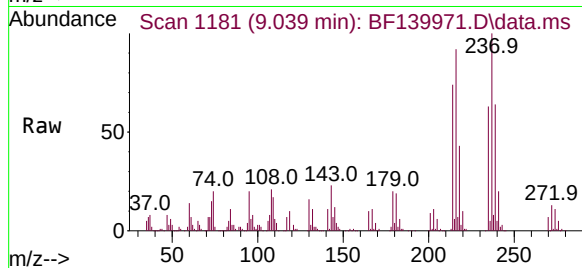
Tgt Ion:	216	Resp:	373726
Ion Ratio	Lower	Upper	
216	100		
214	78.7	63.4	95.0
179	20.9	17.2	25.8
108	18.9	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 94.288 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

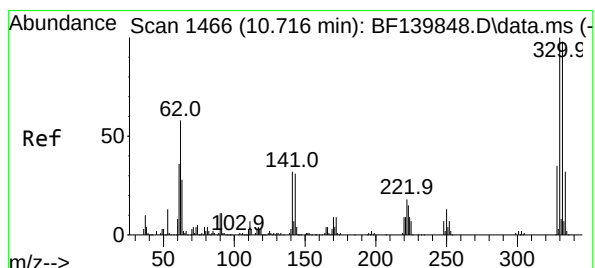
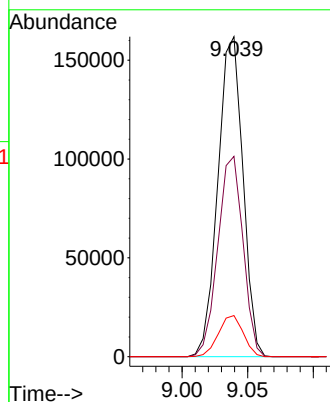
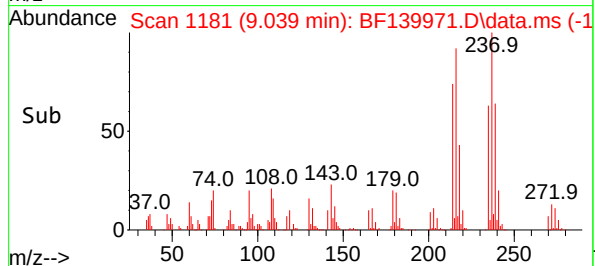
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



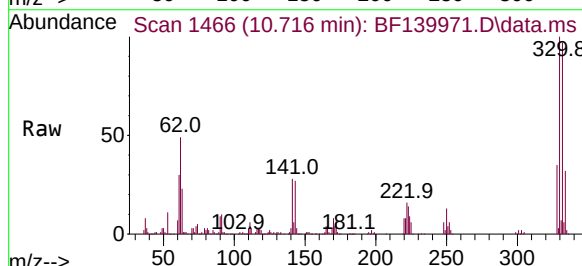
Tgt Ion: 237 Resp: 214740
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 12.9 0.0 32.3

Manual Integrations
APPROVED

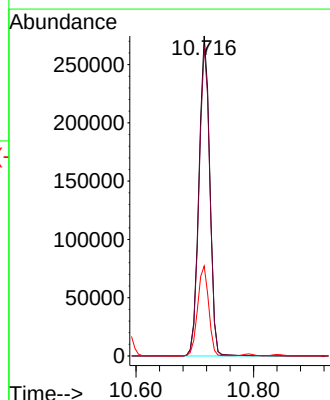
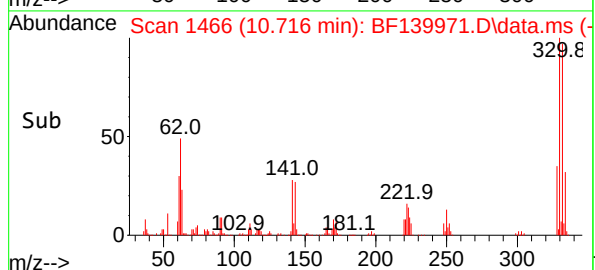
Reviewed By : Jagrut Upadhyay 10/24/2024
Supervised By : mohammad ahmed 10/25/2024

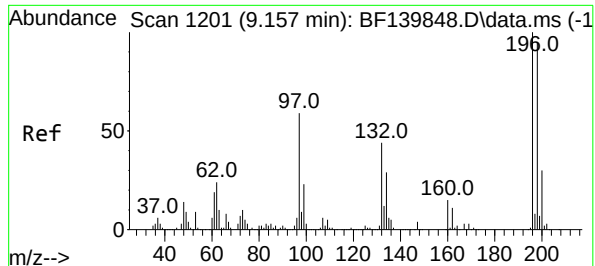


#42
2,4,6-Tribromophenol
Concen: 154.393 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



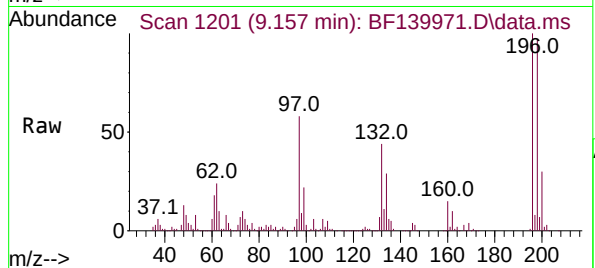
Tgt Ion: 330 Resp: 350375
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 28.6 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 57.367 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

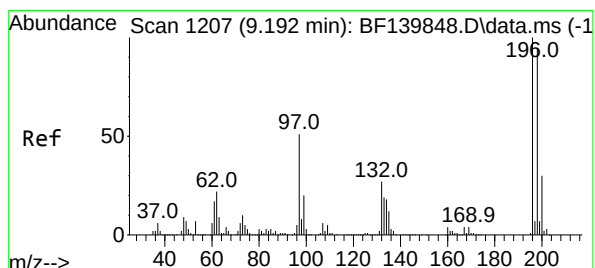
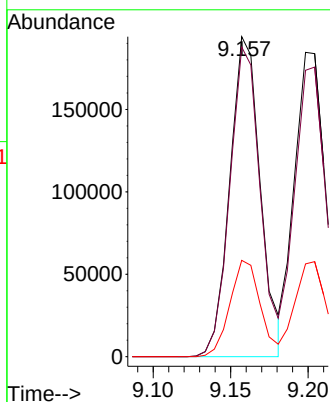
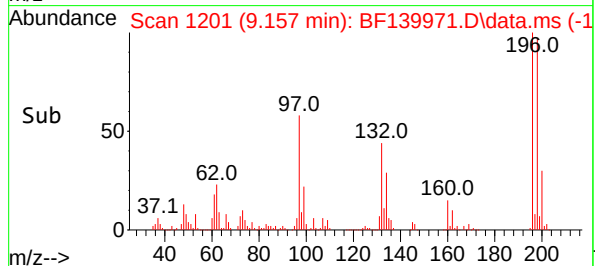
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



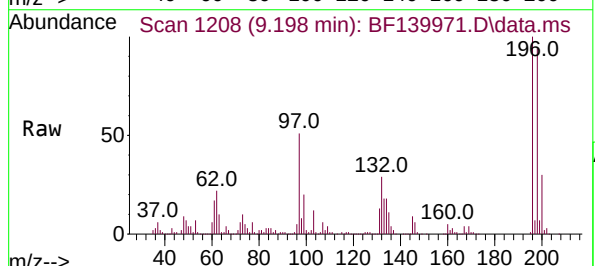
Tgt Ion:196 Resp: 265840
Ion Ratio Lower Upper
196 100
198 96.7 76.2 114.2
200 30.1 24.0 36.0

Manual Integrations
APPROVED

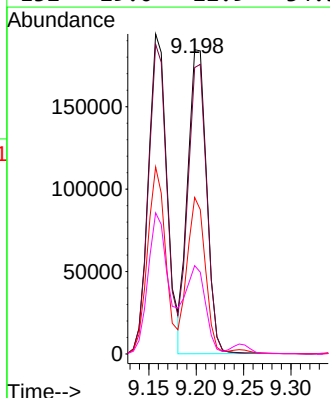
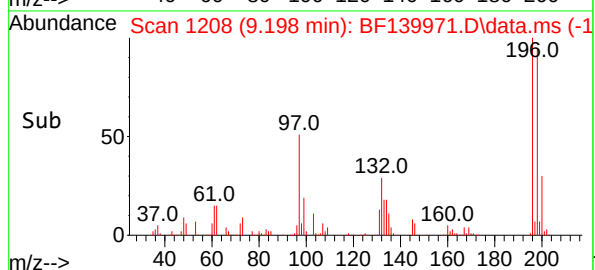
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

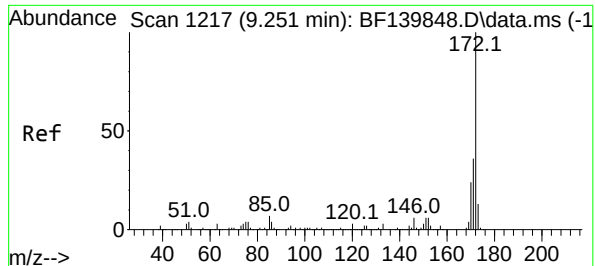


#44
2,4,5-Trichlorophenol
Concen: 53.572 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



Tgt Ion:196 Resp: 256132
Ion Ratio Lower Upper
196 100
198 94.1 75.8 113.6
97 51.4 41.8 62.6
132 29.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 112.404 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:172 Resp: 165009

Ion Ratio Lower Upper

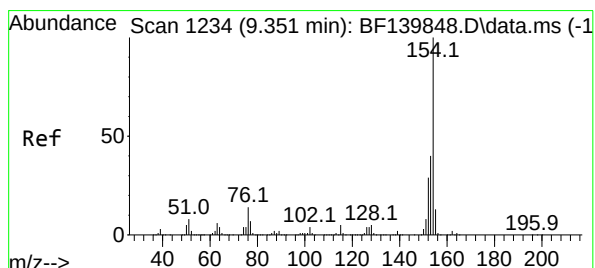
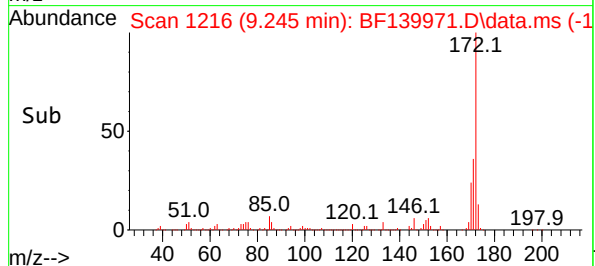
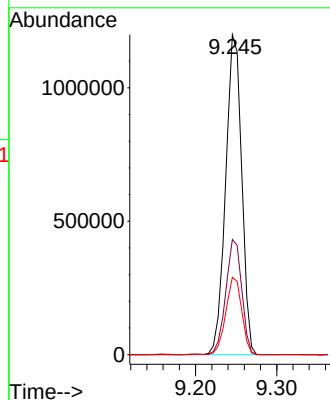
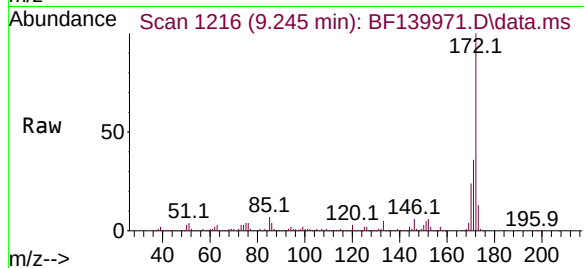
172 100

171 36.0 28.6 43.0

170 24.2 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#46

1,1'-Biphenyl

Concen: 55.872 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

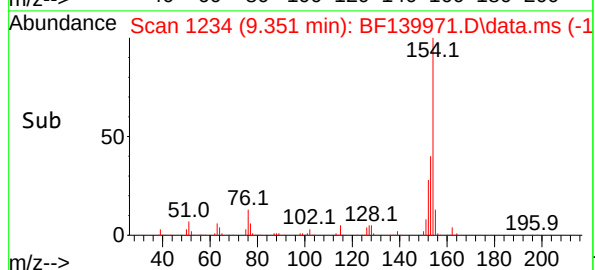
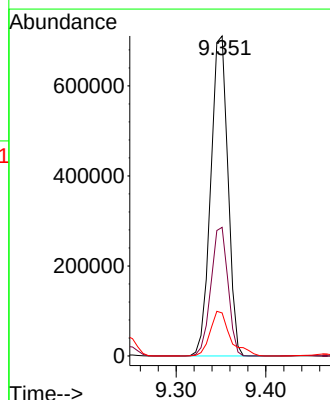
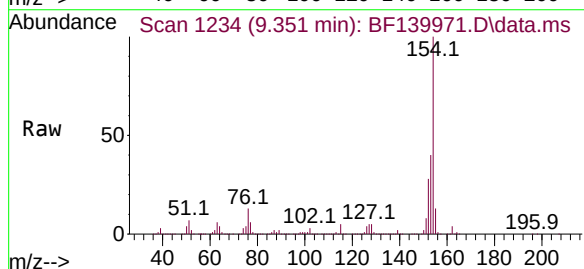
Tgt Ion:154 Resp: 943666

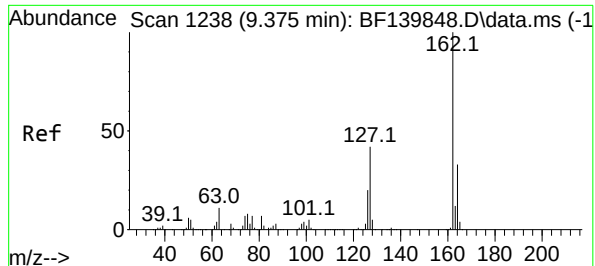
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.5 0.0 33.9





#47

2-Chloronaphthalene

Concen: 53.399 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:162 Resp: 726392

Ion Ratio Lower Upper

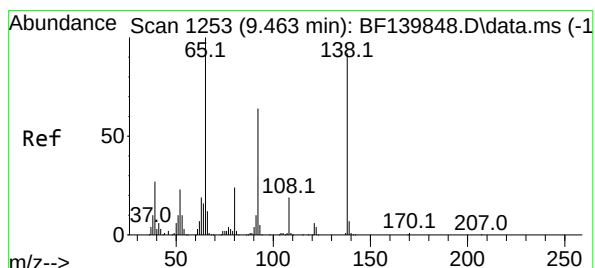
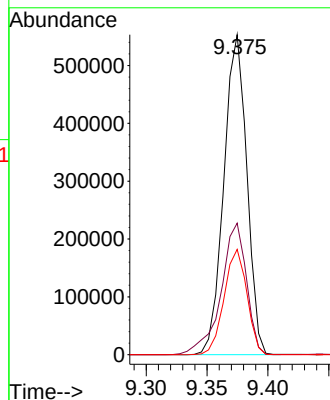
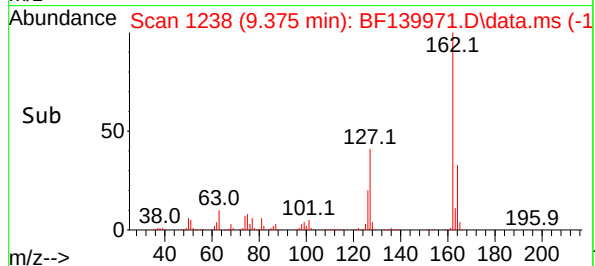
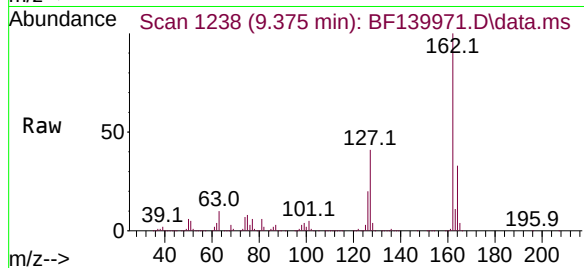
162 100

127 41.1 33.8 50.6

164 32.9 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#48

2-Nitroaniline

Concen: 57.391 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

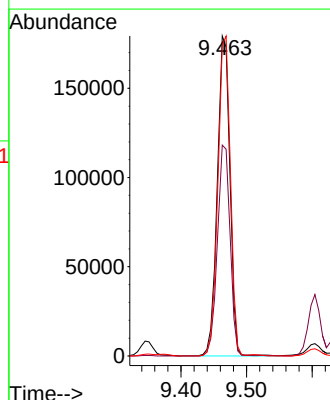
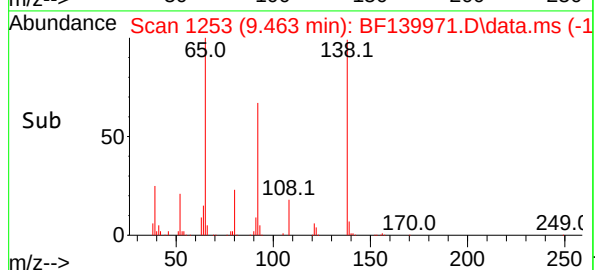
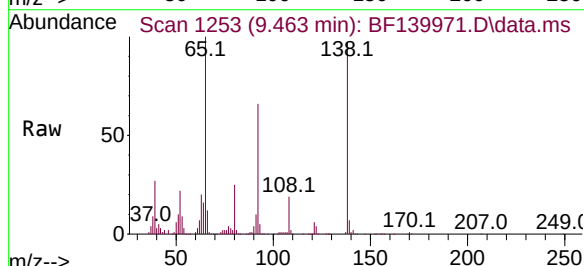
Tgt Ion: 65 Resp: 238771

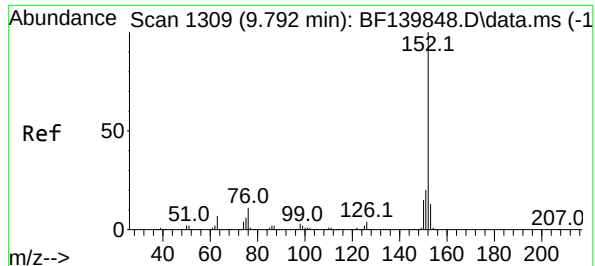
Ion Ratio Lower Upper

65 100

92 65.9 50.9 76.3

138 97.2 73.4 110.0





#49

Acenaphthylene

Concen: 55.041 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:152 Resp: 108245

Ion Ratio Lower Upper

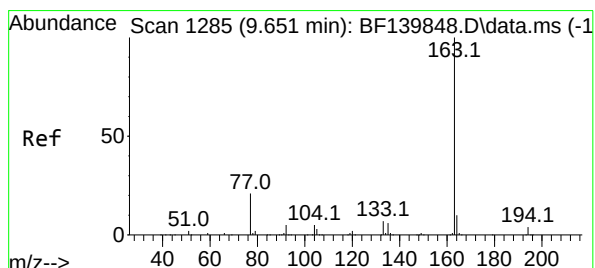
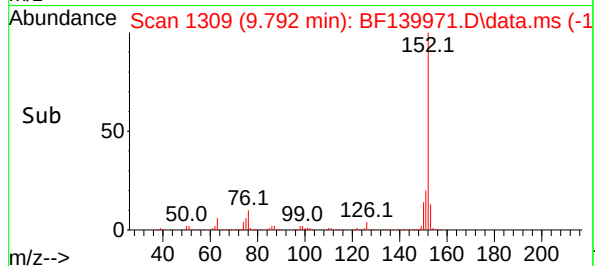
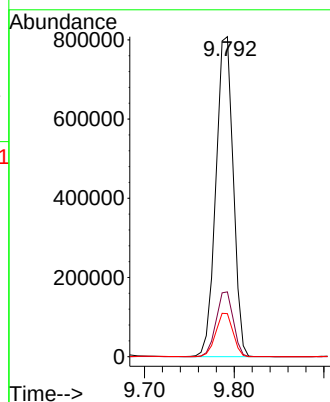
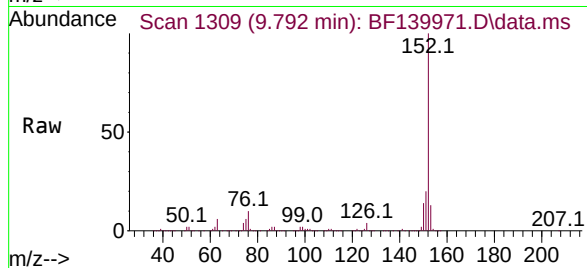
152 100

151 20.2 15.9 23.9

153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#50

Dimethylphthalate

Concen: 57.202 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

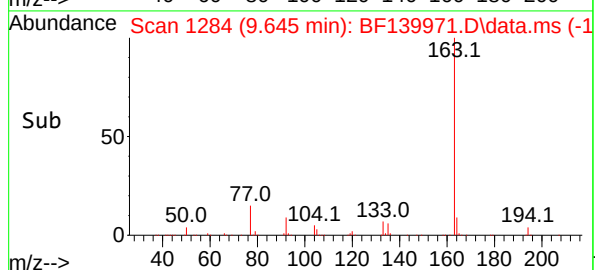
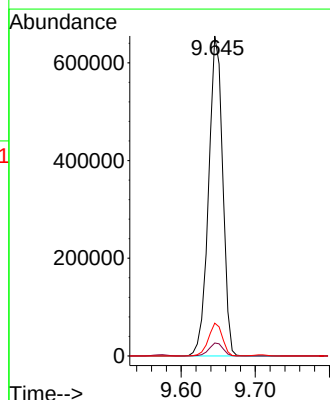
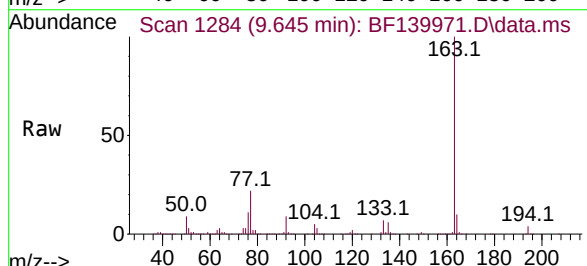
Tgt Ion:163 Resp: 864443

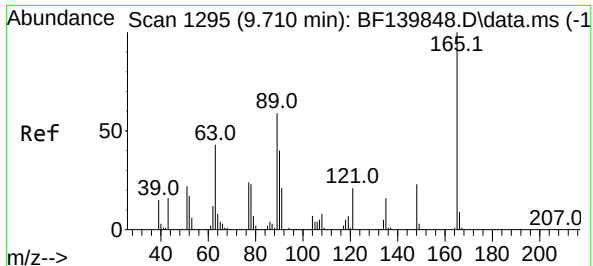
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

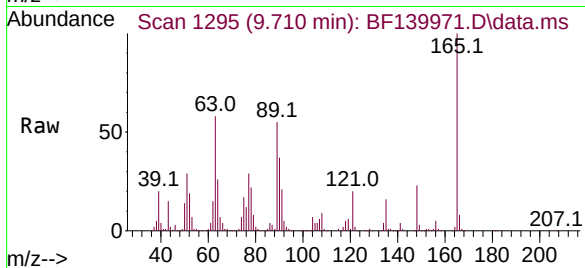
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 55.360 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

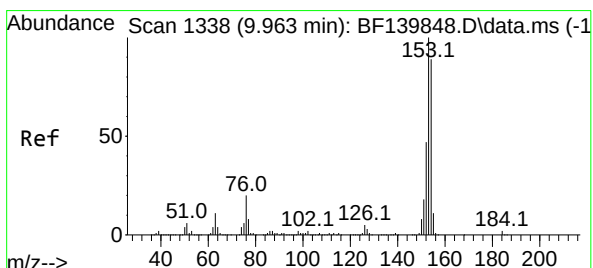
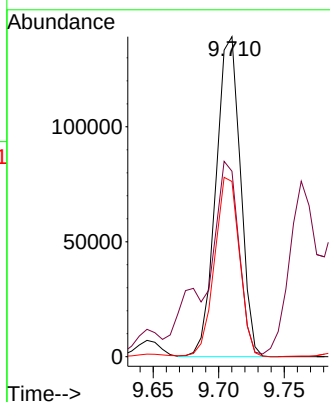
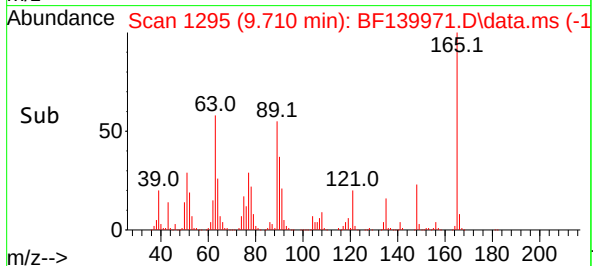
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:165 Resp: 18114
Ion Ratio Lower Upper
165 100
63 58.0 50.6 75.8
89 54.8 47.5 71.3

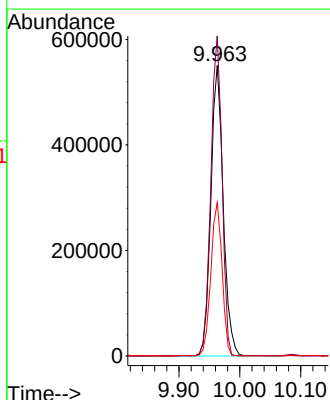
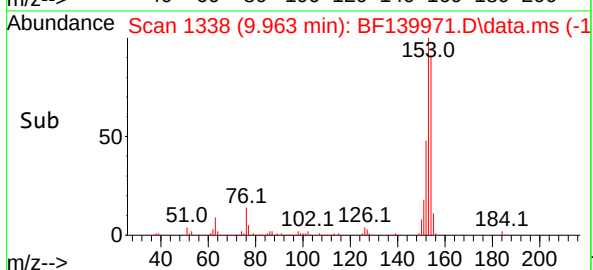
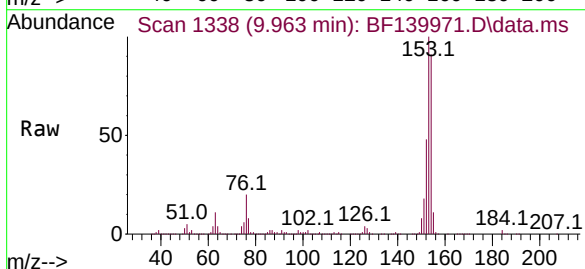
Manual Integrations
APPROVED

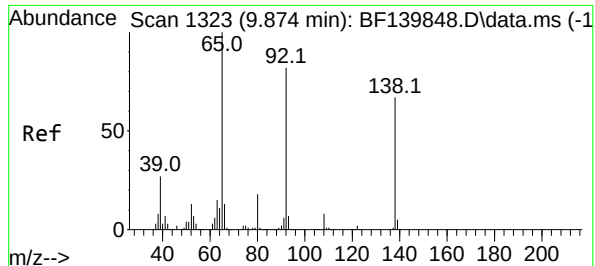
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#52
Acenaphthene
Concen: 61.133 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

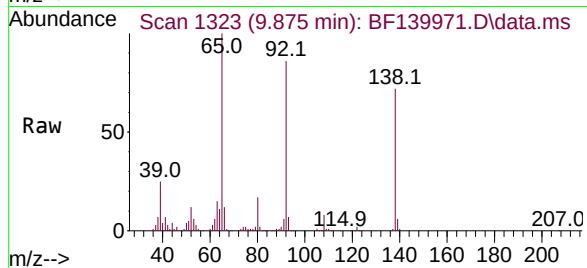
Tgt Ion:154 Resp: 777728
Ion Ratio Lower Upper
154 100
153 110.2 89.8 134.6
152 52.8 42.4 63.6





#53
3-Nitroaniline
Concen: 17.895 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

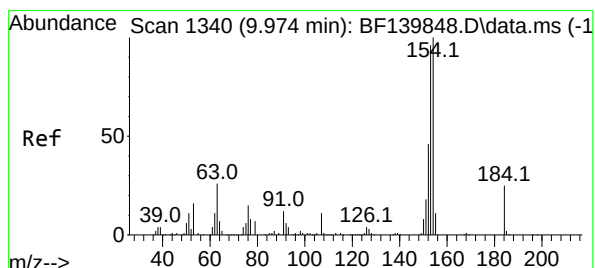
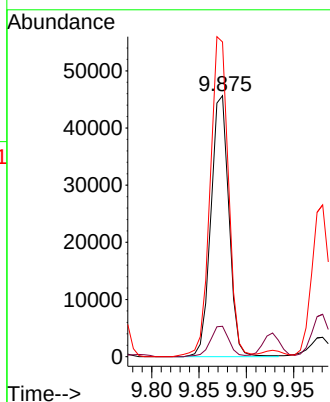
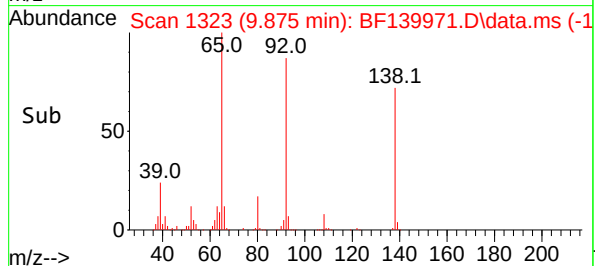
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:138 Resp: 60382
Ion Ratio Lower Upper
138 100
108 11.7 10.2 15.2
92 120.6 98.3 147.5

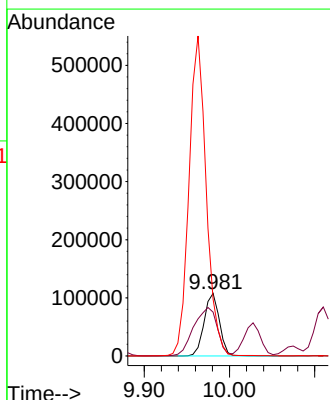
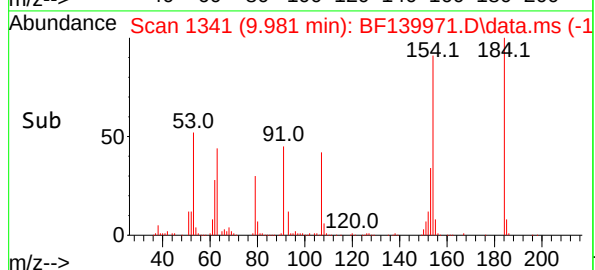
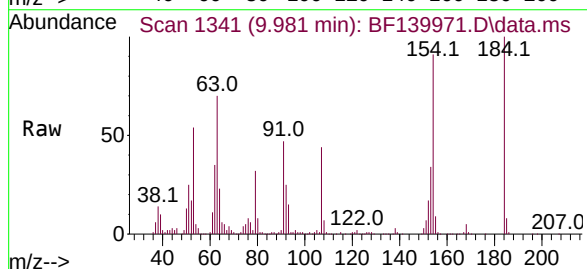
Manual Integrations
APPROVED

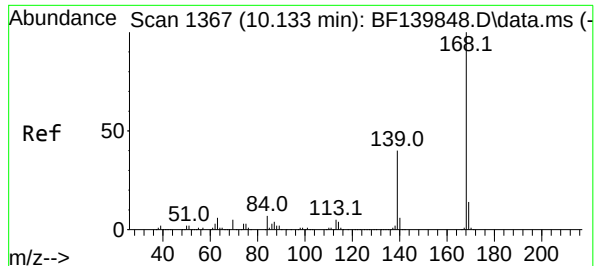
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#54
2,4-Dinitrophenol
Concen: 96.818 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

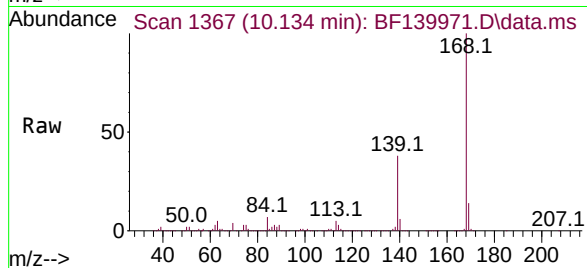
Tgt Ion:184 Resp: 133653
Ion Ratio Lower Upper
184 100
63 70.3 84.7 127.1#
154 90.9 338.2 507.2#





#55
Dibenzofuran
Concen: 52.190 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

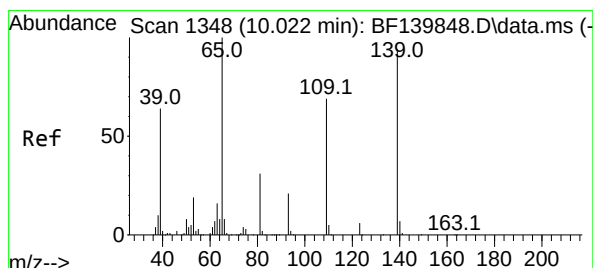
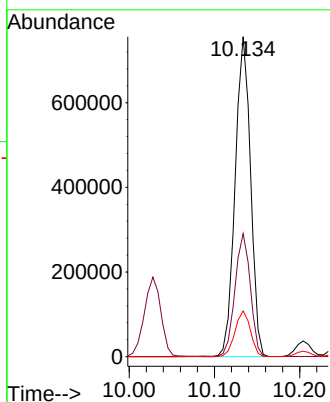
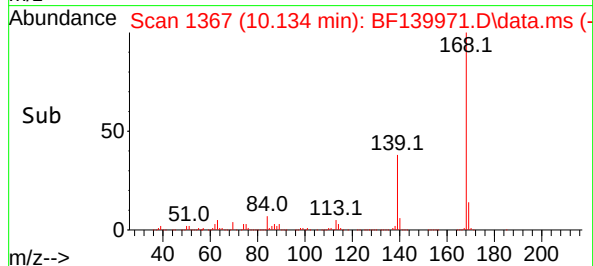
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:168 Resp: 952620
Ion Ratio Lower Upper
168 100
139 38.4 31.8 47.6
169 14.3 11.6 17.4

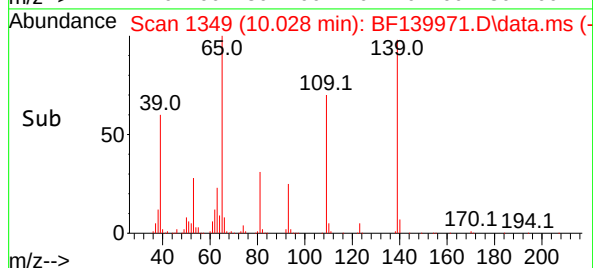
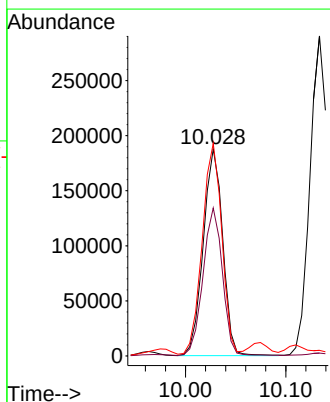
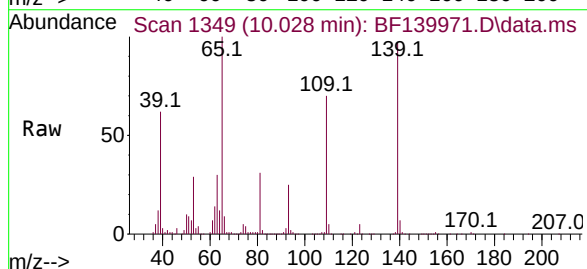
Manual Integrations
APPROVED

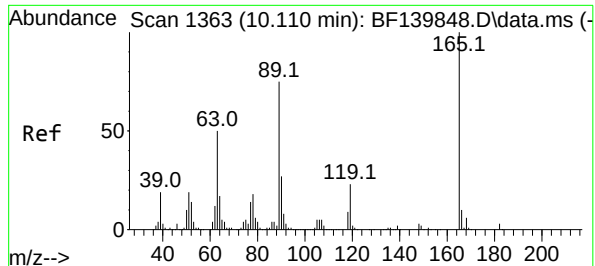
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#56
4-Nitrophenol
Concen: 97.783 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

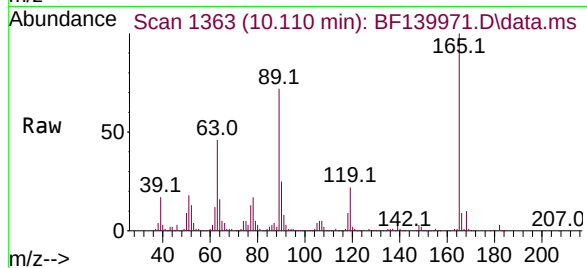
Tgt Ion:139 Resp: 253848
Ion Ratio Lower Upper
139 100
109 71.5 53.6 93.6
65 102.8 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 56.731 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

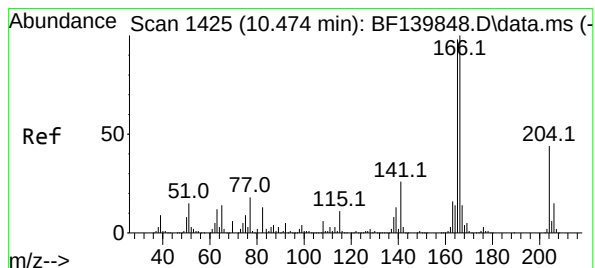
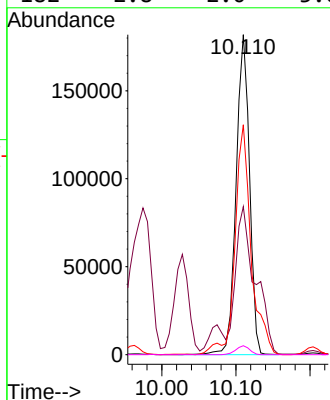
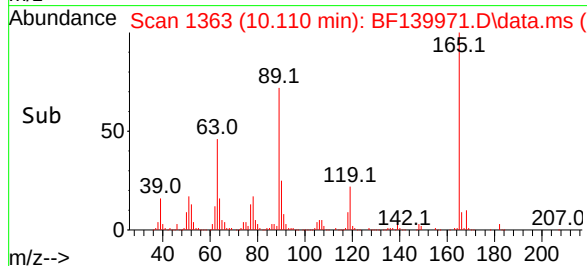
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:165 Resp: 228279
Ion Ratio Lower Upper
165 100
63 46.3 40.1 60.1
89 71.8 60.4 90.6
182 2.8 2.0 3.0

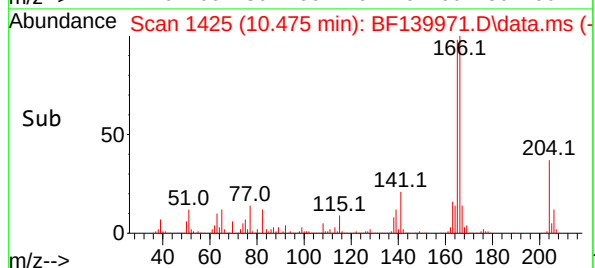
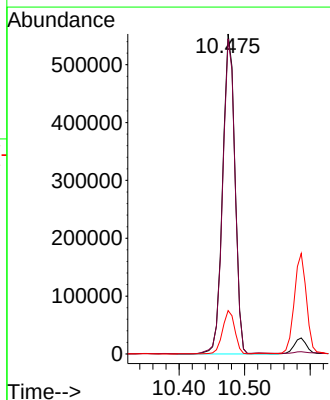
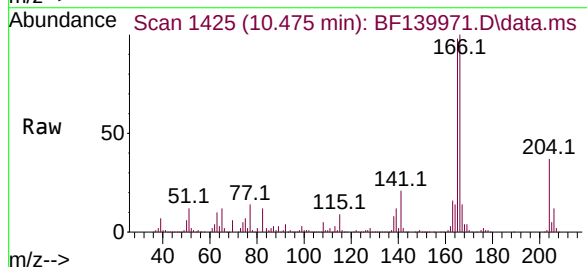
Manual Integrations
APPROVED

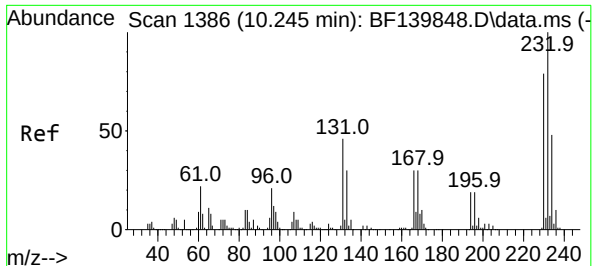
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#58
Fluorene
Concen: 51.527 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

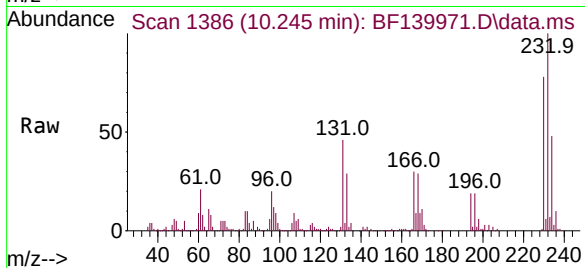
Tgt Ion:166 Resp: 716351
Ion Ratio Lower Upper
166 100
165 98.4 78.5 117.7
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.207 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

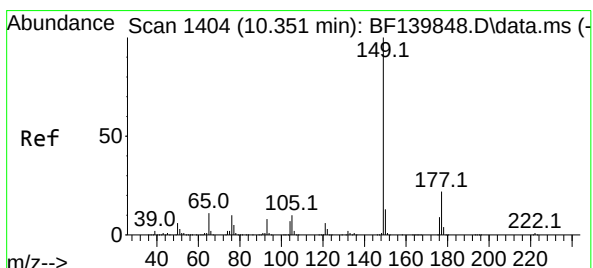
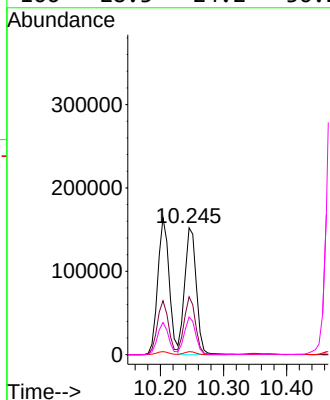
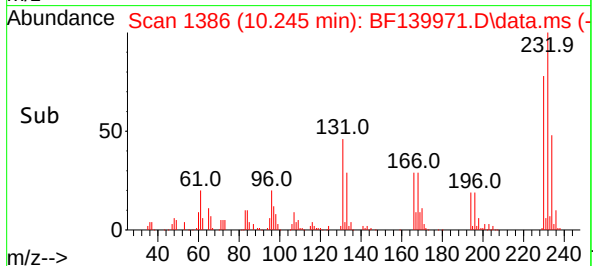
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



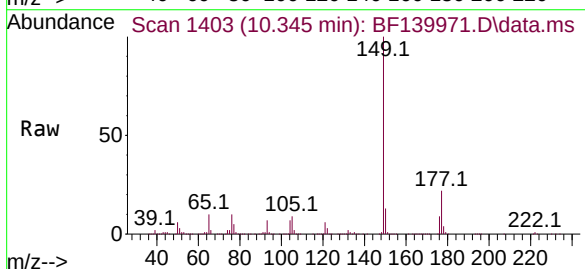
Tgt Ion:232 Resp: 195670
Ion Ratio Lower Upper
232 100
131 43.7 37.0 55.6
130 2.3 1.9 2.9
166 28.3 24.2 36.2

Manual Integrations
APPROVED

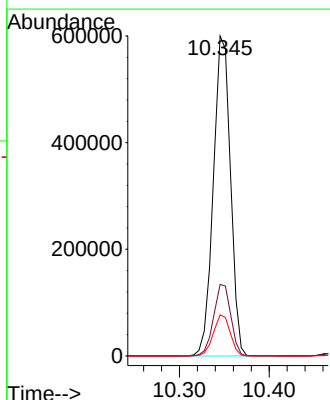
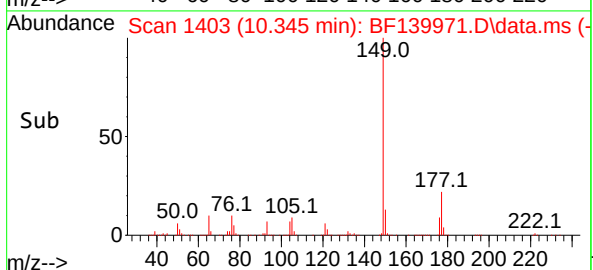
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

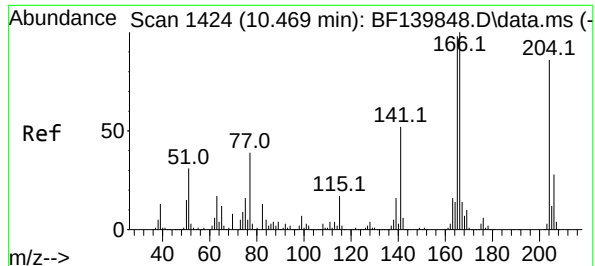


#60
Diethylphthalate
Concen: 53.610 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



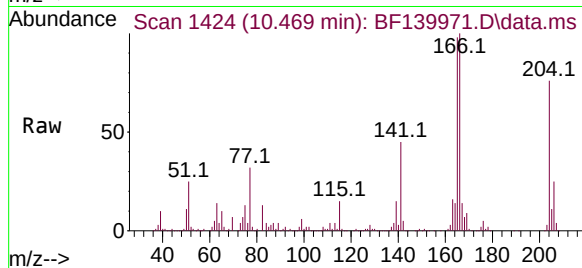
Tgt Ion:149 Resp: 795465
Ion Ratio Lower Upper
149 100
177 22.3 17.9 26.9
150 12.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 51.391 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

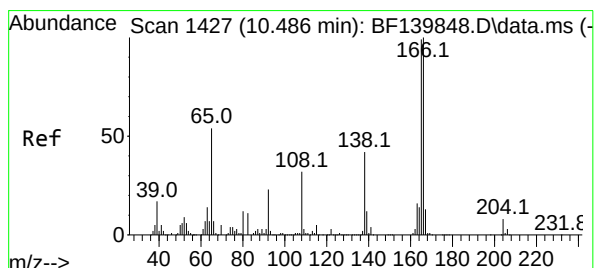
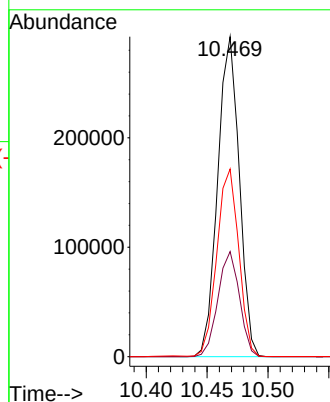
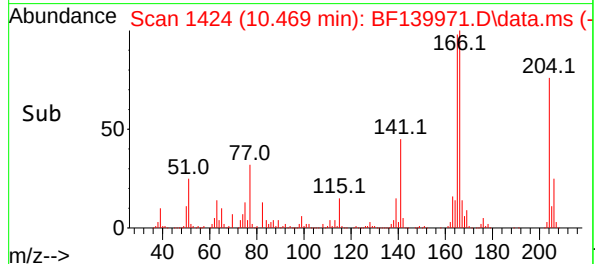
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



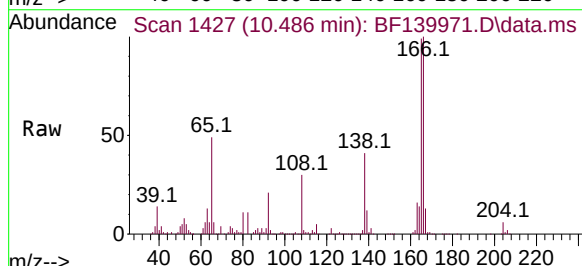
Tgt Ion:204 Resp: 36080
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 58.7 48.6 73.0

Manual Integrations
APPROVED

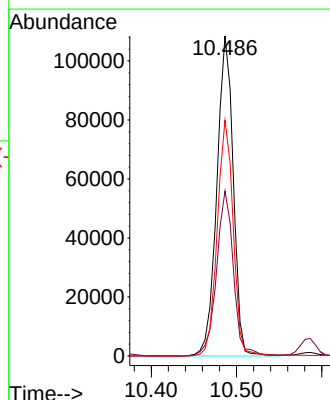
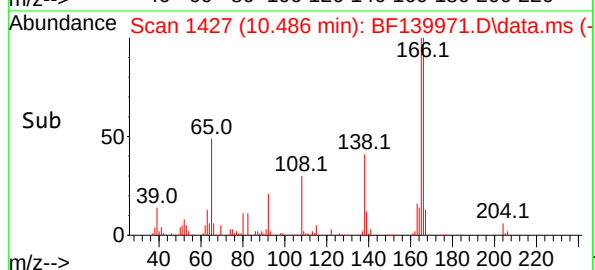
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

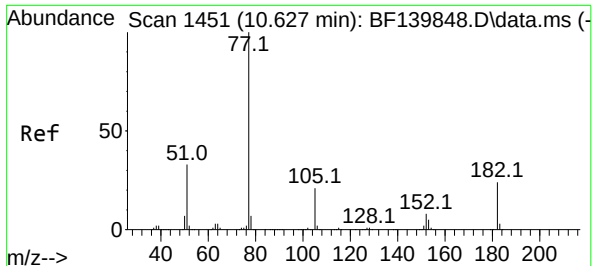


#62
4-Nitroaniline
Concen: 45.640 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



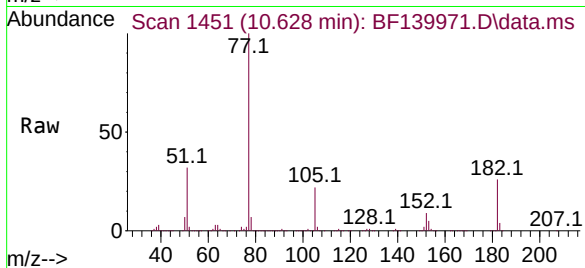
Tgt Ion:138 Resp: 145450
Ion Ratio Lower Upper
138 100
92 51.6 35.7 75.7
108 73.7 57.5 97.5





#63
Azobenzene
Concen: 47.276 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

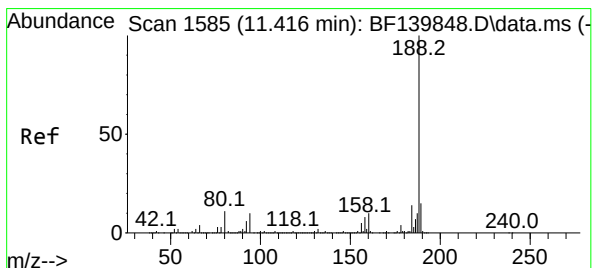
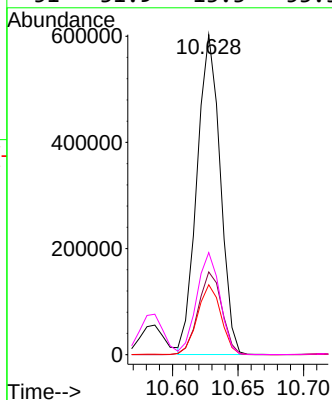
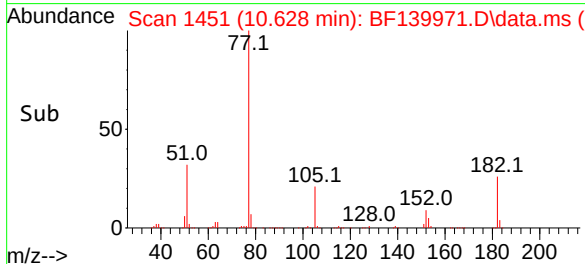
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion: 77 Resp: 743674
Ion Ratio Lower Upper
77 100
182 25.9 3.3 43.3
105 21.9 1.2 41.2
51 31.9 13.3 53.3

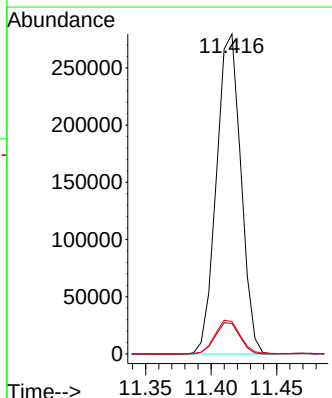
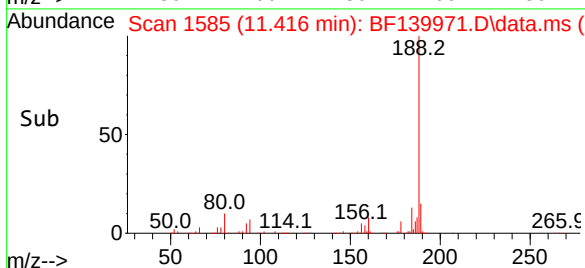
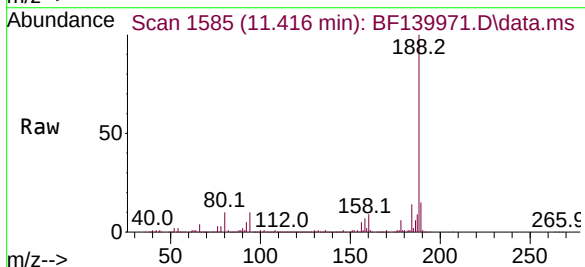
Manual Integrations
APPROVED

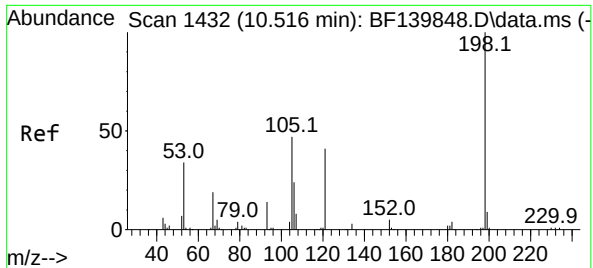
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion:188 Resp: 363131
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.2 9.0 13.4





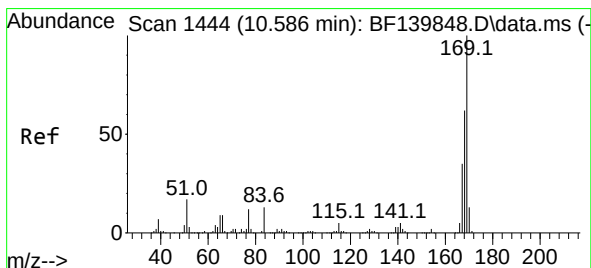
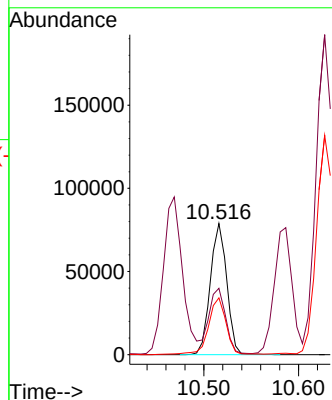
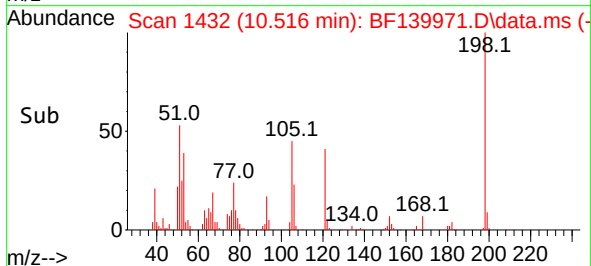
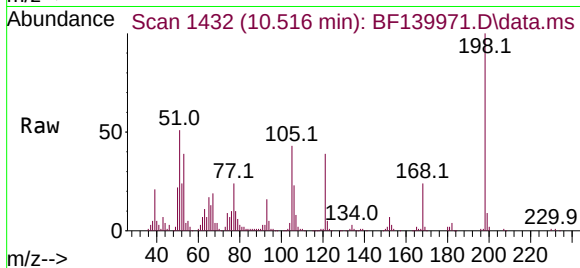
#65
4,6-Dinitro-2-methylphenol
Concen: 64.129 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Tgt Ion:198 Resp: 9498
Ion Ratio Lower Upper
198 100
51 50.7 38.2 78.2
105 43.2 27.9 67.9

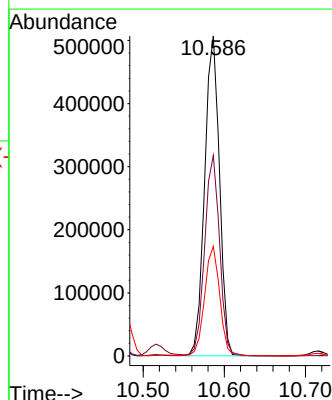
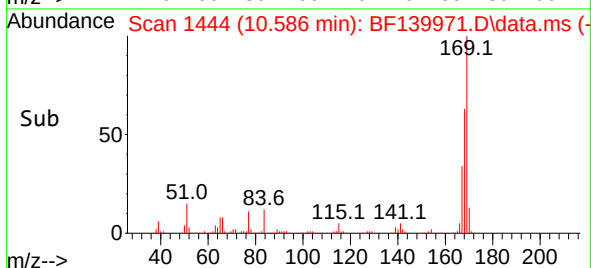
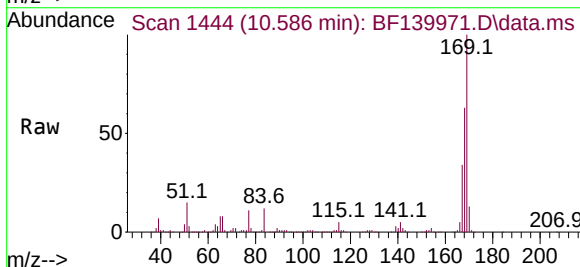
Manual Integrations
APPROVED

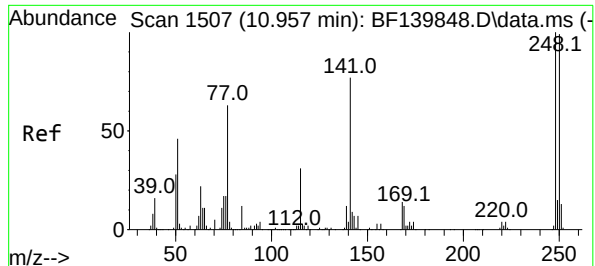
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#66
n-Nitrosodiphenylamine
Concen: 58.890 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

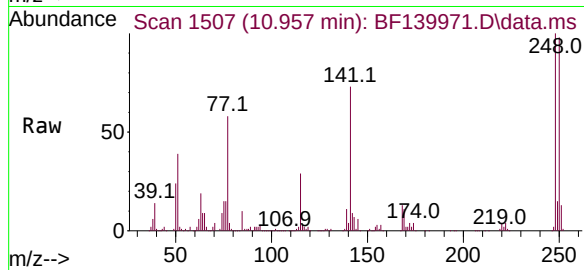
Tgt Ion:169 Resp: 640036
Ion Ratio Lower Upper
169 100
168 62.6 49.8 74.6
167 34.3 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 58.477 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

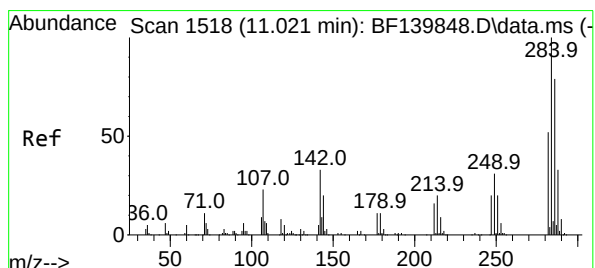
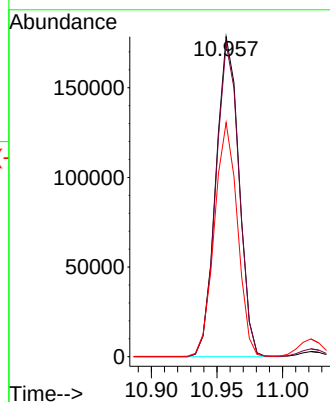
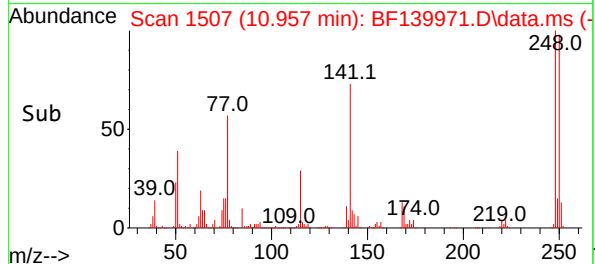
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



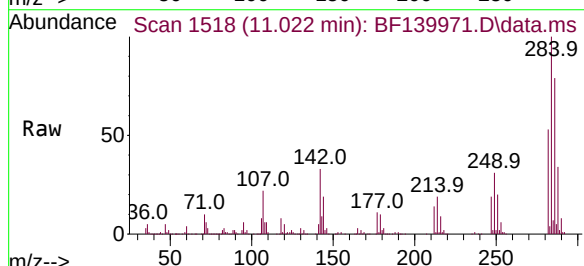
Tgt Ion:248 Resp: 21875
Ion Ratio Lower Upper
248 100
250 97.8 79.0 118.6
141 73.1 61.7 92.5

Manual Integrations
APPROVED

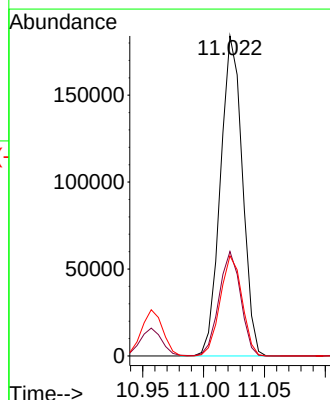
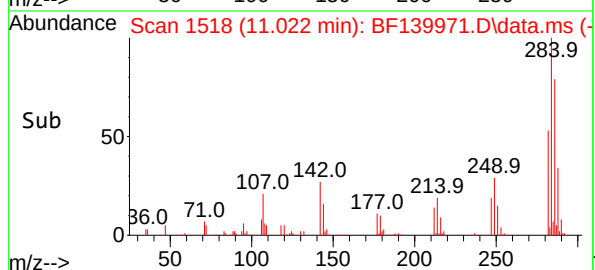
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

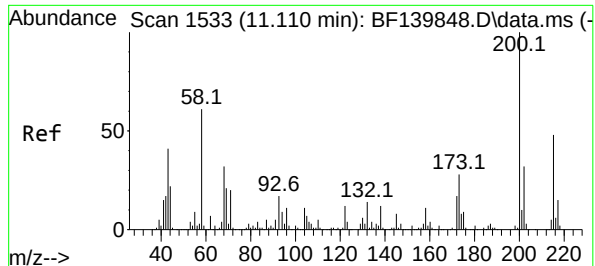


#68
Hexachlorobenzene
Concen: 54.868 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



Tgt Ion:284 Resp: 230847
Ion Ratio Lower Upper
284 100
142 32.6 26.9 40.3
249 31.3 25.3 37.9





#69

Atrazine

Concen: 55.813 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:200 Resp: 164318

Ion Ratio Lower Upper

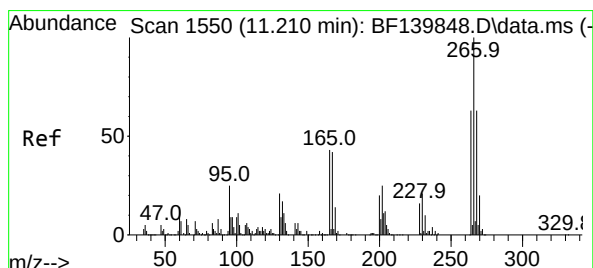
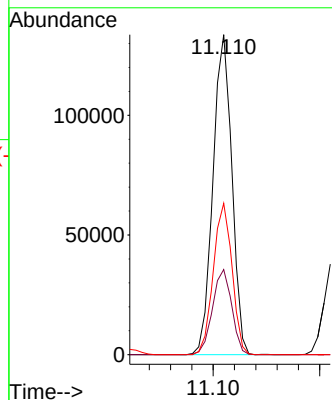
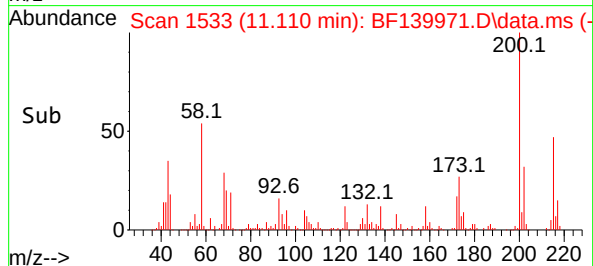
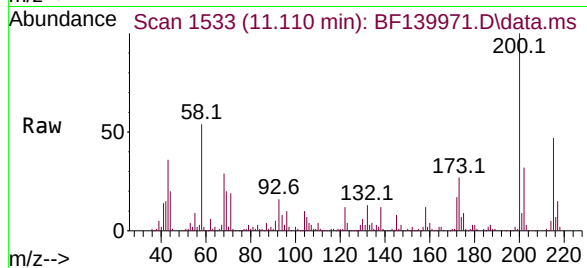
200 100

173 26.6 7.7 47.7

215 47.3 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#70

Pentachlorophenol

Concen: 113.234 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

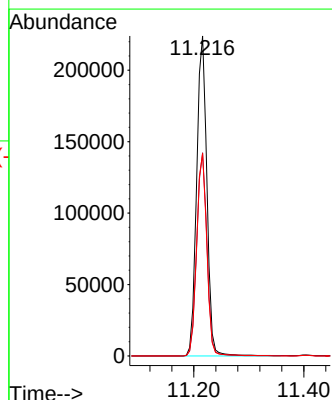
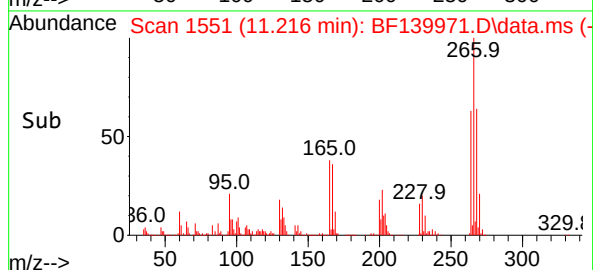
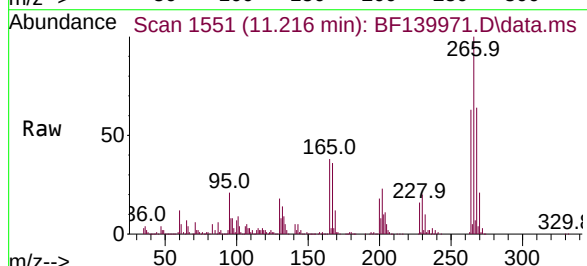
Tgt Ion:266 Resp: 289137

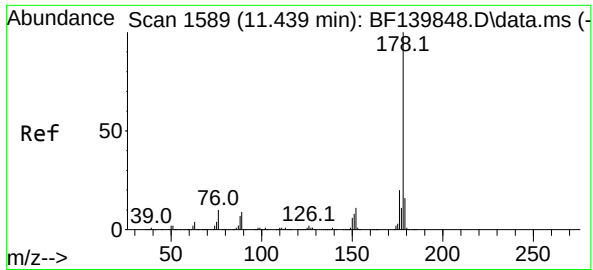
Ion Ratio Lower Upper

266 100

268 63.5 50.4 75.6

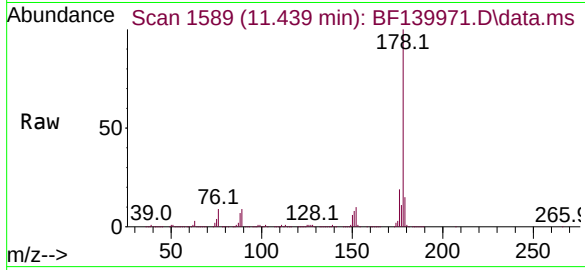
264 63.3 50.6 75.8





#71
Phenanthrene
Concen: 58.683 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

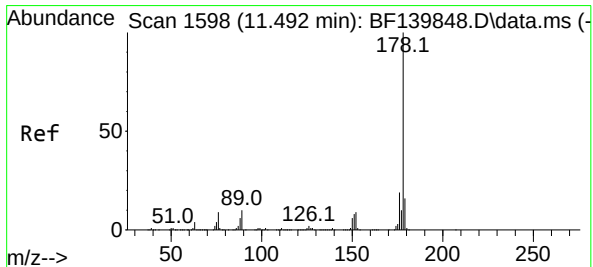
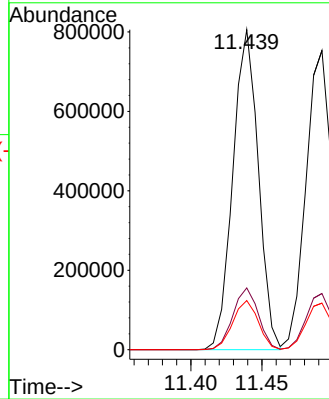
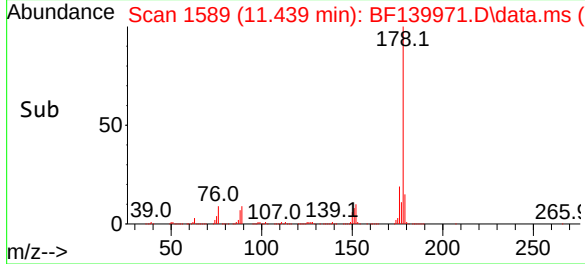
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



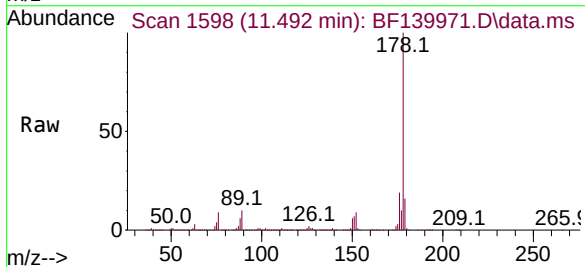
Tgt Ion:178 Resp: 1006570
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.4 12.6 18.8

Manual Integrations
APPROVED

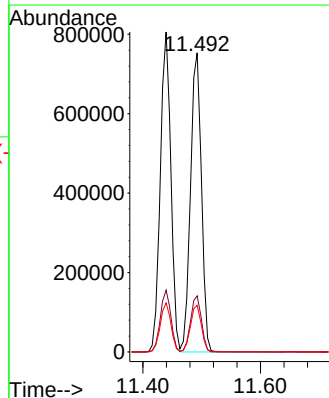
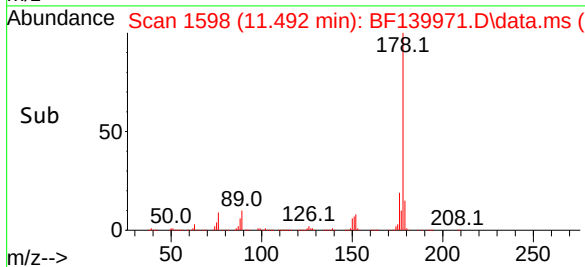
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

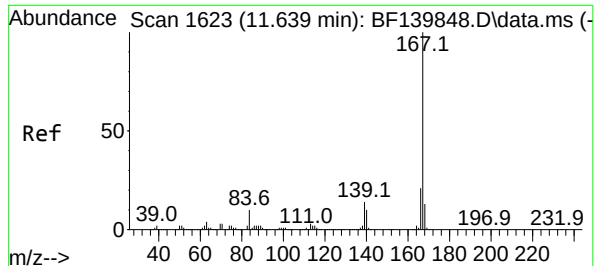


#72
Anthracene
Concen: 57.759 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



Tgt Ion:178 Resp: 966636
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.6 12.4 18.6





#73

Carbazole

Concen: 53.597 ng

RT: 11.639 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:167 Resp: 834210

Ion Ratio Lower Upper

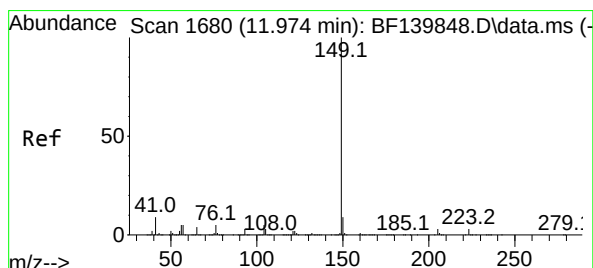
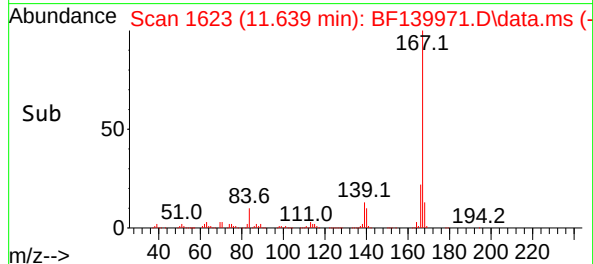
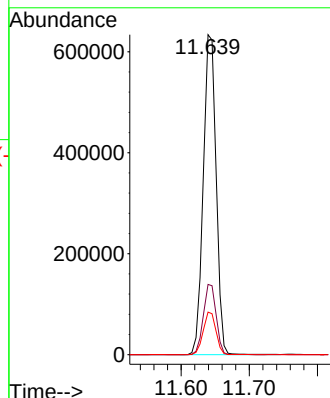
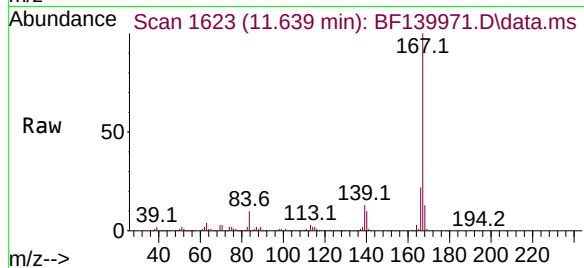
167 100

166 22.0 17.0 25.6

139 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#74

Di-n-butylphthalate

Concen: 59.315 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

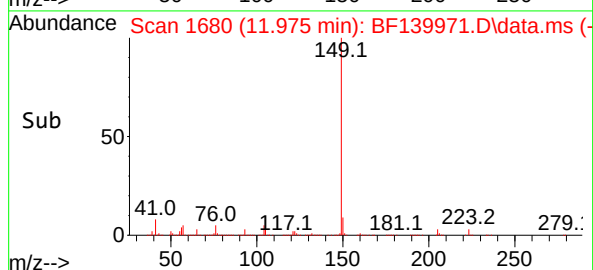
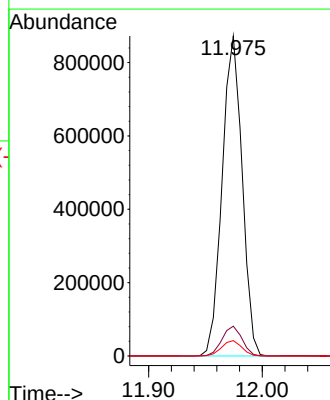
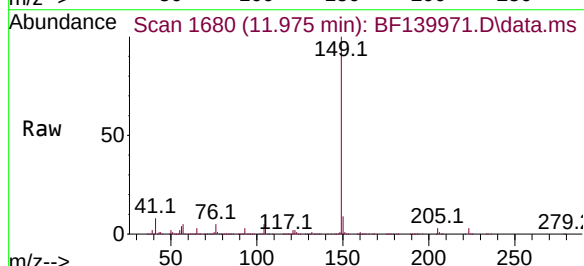
Tgt Ion:149 Resp: 1066617

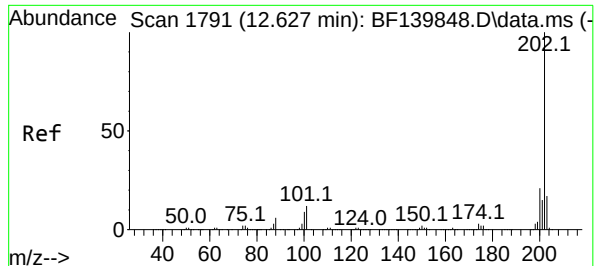
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

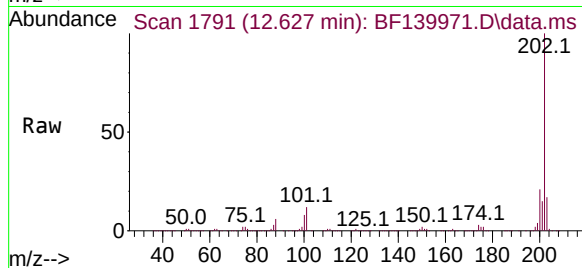
104 4.8 4.1 6.1





#75
Fluoranthene
Concen: 59.032 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

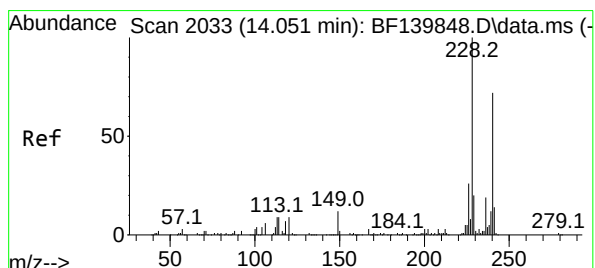
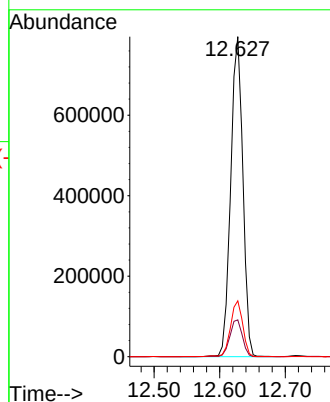
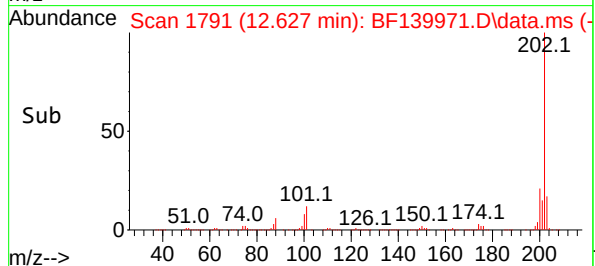
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



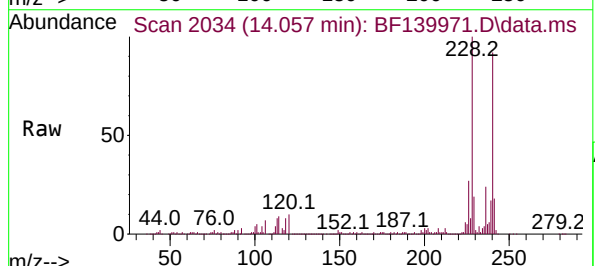
Tgt Ion:202 Resp: 102361
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.4 0.0 37.5

Manual Integrations
APPROVED

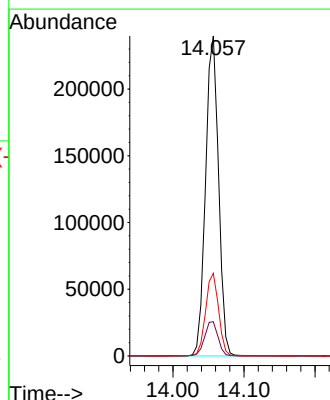
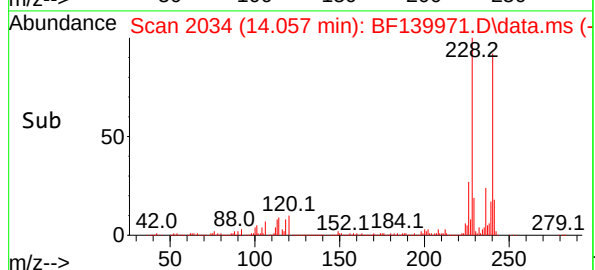
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

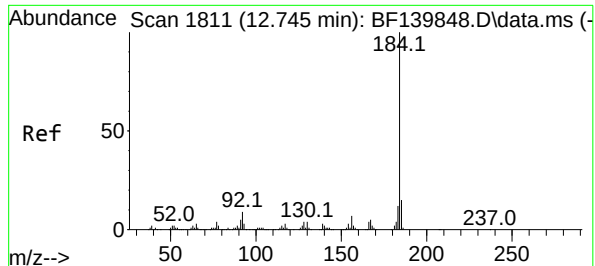


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



Tgt Ion:240 Resp: 305569
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 25.9 20.9 31.3





#77

Benzidine

Concen: 30.665 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:184 Resp: 15407

Ion Ratio Lower Upper

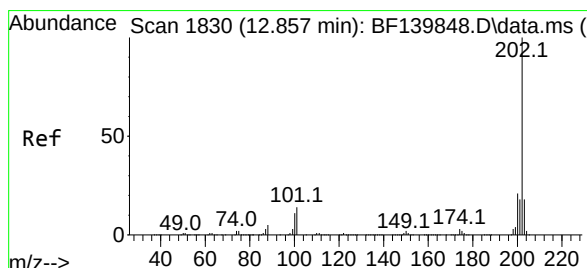
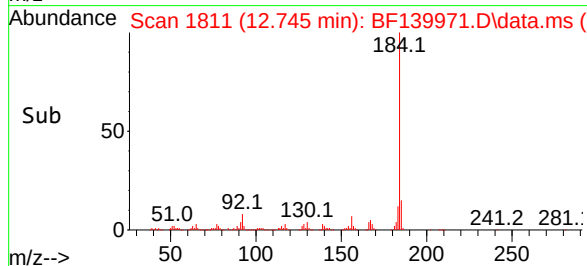
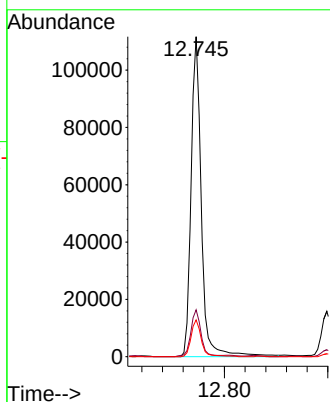
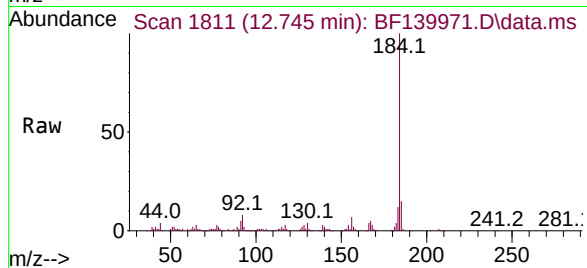
184 100

185 14.6 12.0 18.0

183 11.5 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#78

Pyrene

Concen: 39.566 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

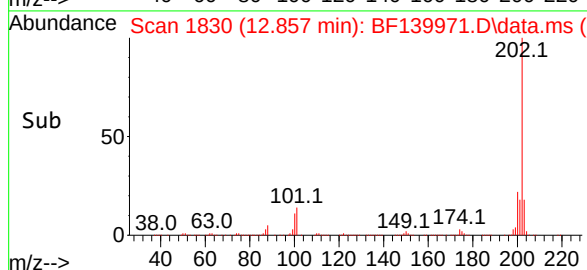
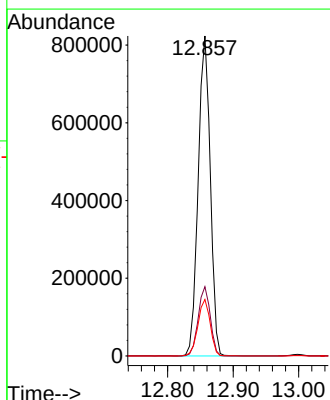
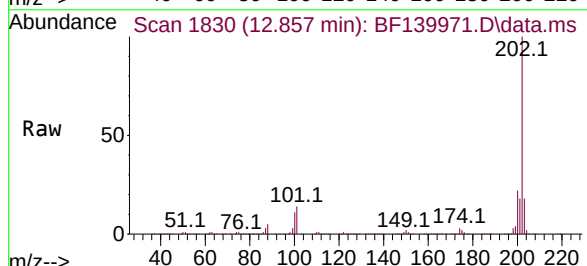
Tgt Ion:202 Resp: 1058288

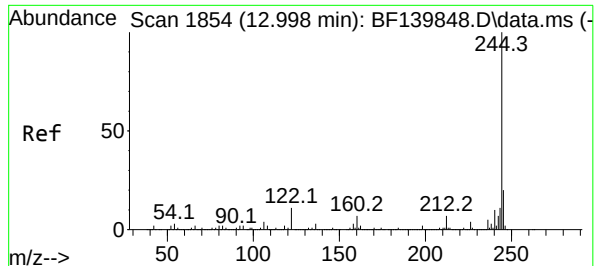
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 84.910 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:244 Resp: 1592275

Ion Ratio Lower Upper

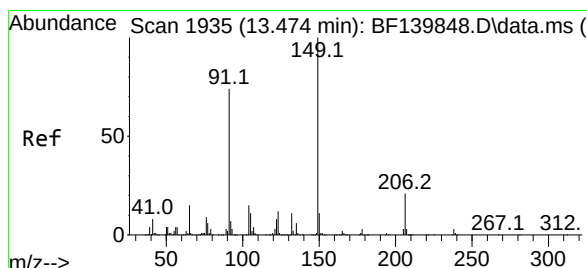
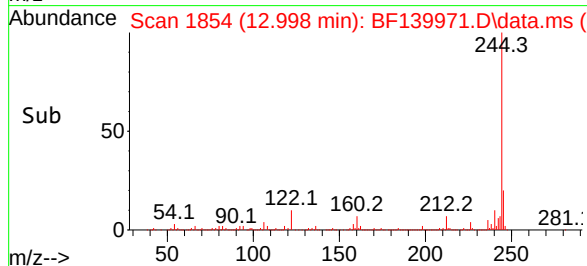
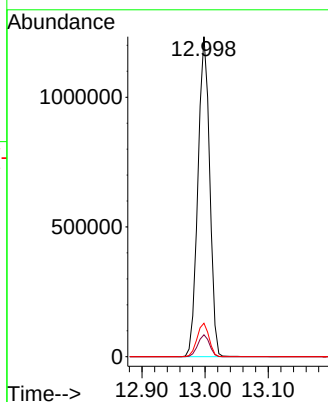
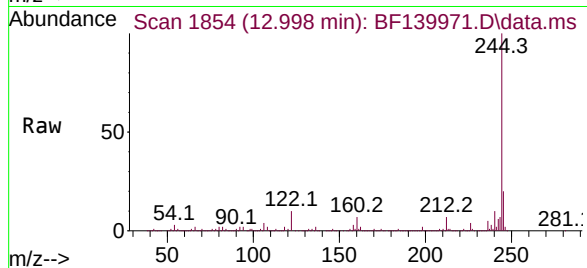
244 100

212 6.8 5.7 8.5

122 10.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#80

Butylbenzylphthalate

Concen: 57.029 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

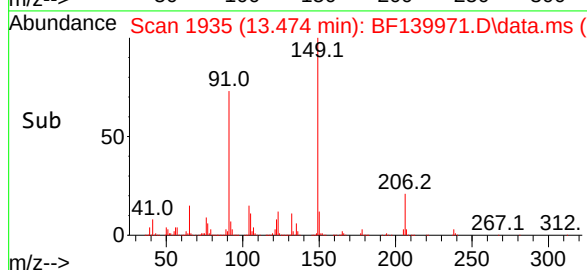
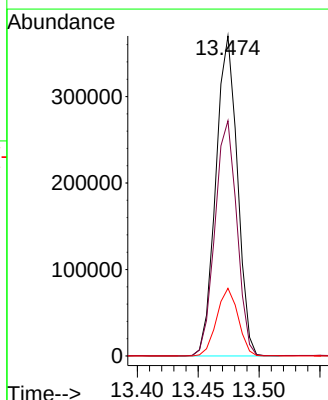
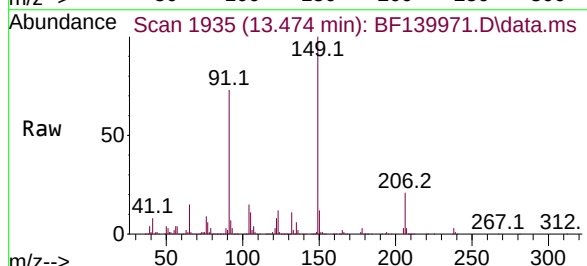
Tgt Ion:149 Resp: 457311

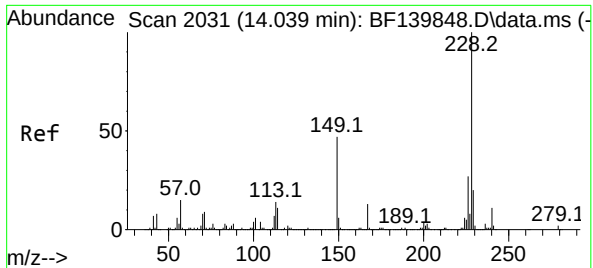
Ion Ratio Lower Upper

149 100

91 73.5 59.4 89.2

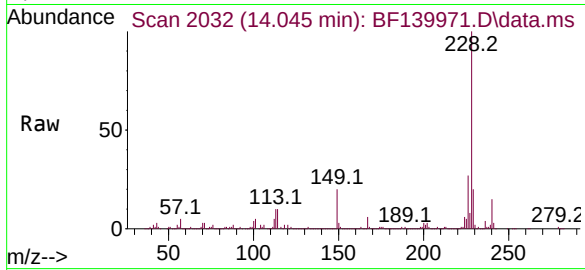
206 21.2 16.4 24.6





#81
Benzo(a)anthracene
Concen: 54.083 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

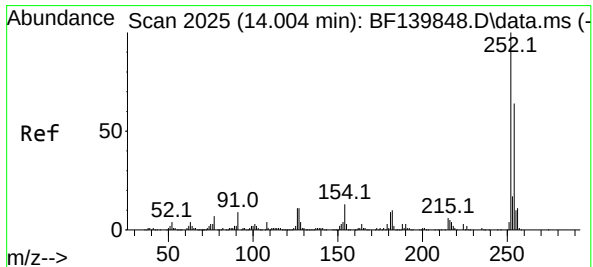
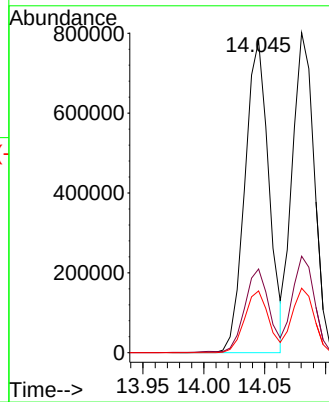
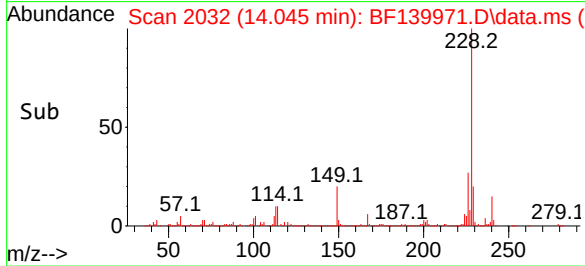
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



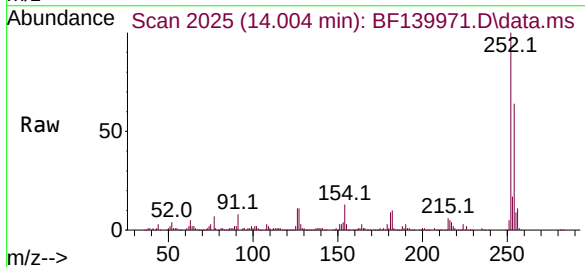
Tgt Ion:228 Resp: 107578
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 19.8 16.1 24.1

Manual Integrations
APPROVED

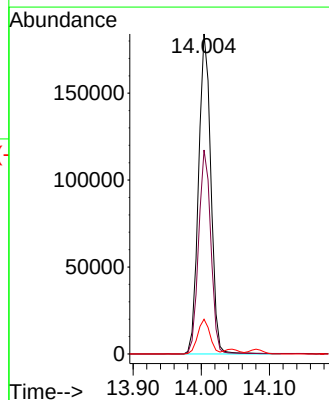
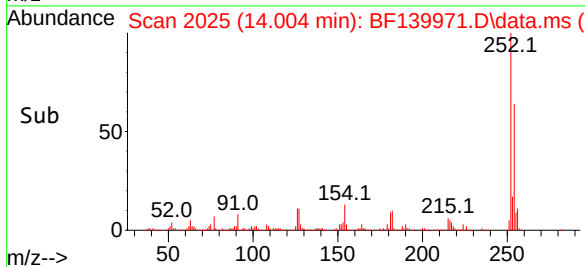
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

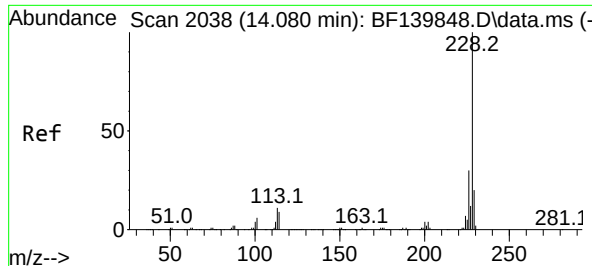


#82
3,3'-Dichlorobenzidine
Concen: 39.955 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28



Tgt Ion:252 Resp: 231729
Ion Ratio Lower Upper
252 100
254 63.7 50.8 76.2
126 10.9 8.9 13.3





#83

Chrysene

Concen: 55.131 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:228 Resp: 100548

Ion Ratio Lower Upper

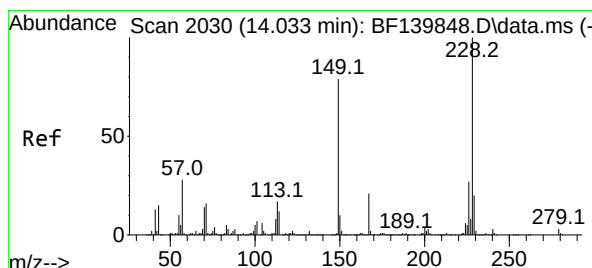
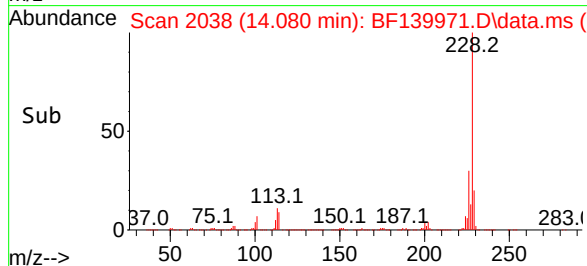
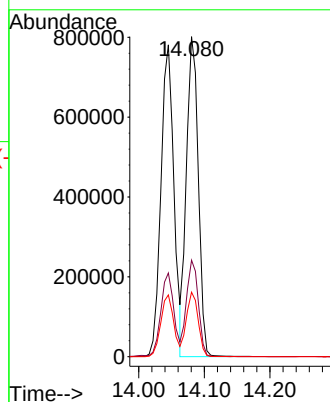
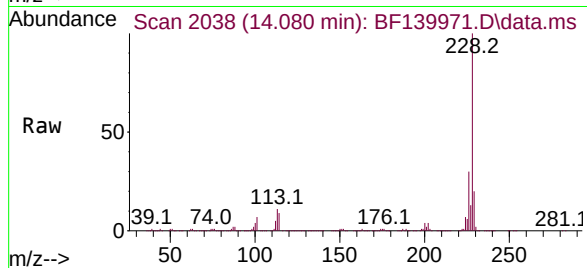
228 100

226 30.2 24.1 36.1

229 20.2 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 71.526 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

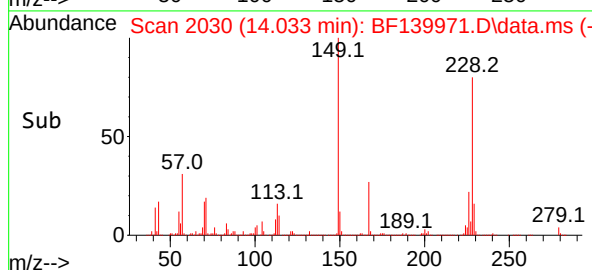
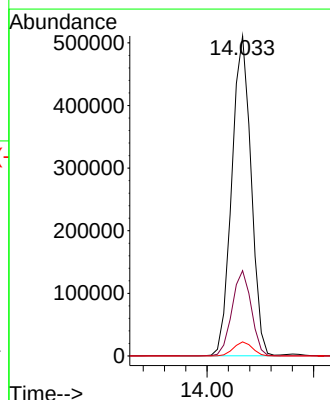
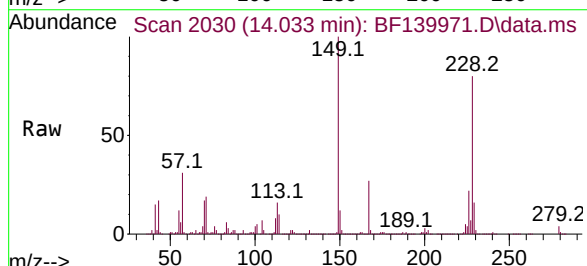
Tgt Ion:149 Resp: 643508

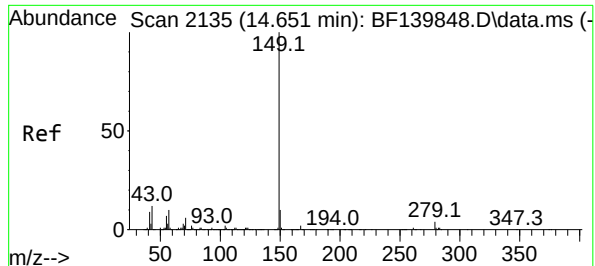
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

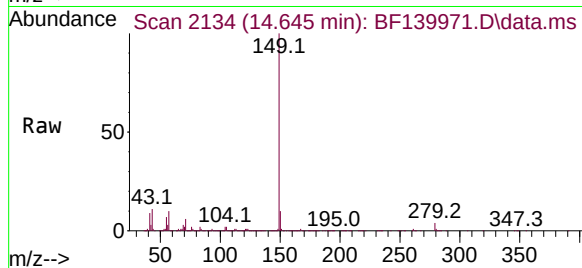
279 4.4 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 71.968 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

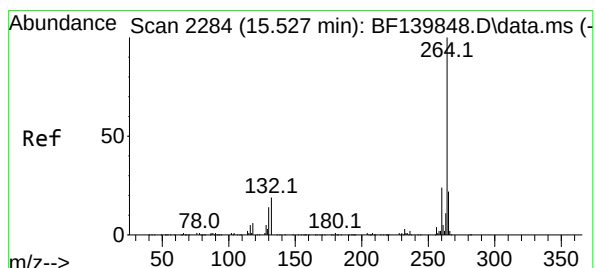
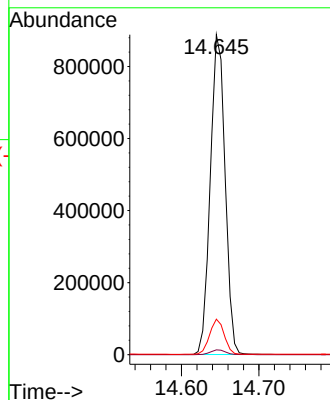
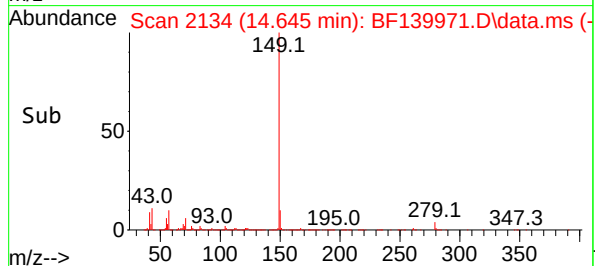
Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD



Tgt Ion:149 Resp: 1177689
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.8 9.8 14.6

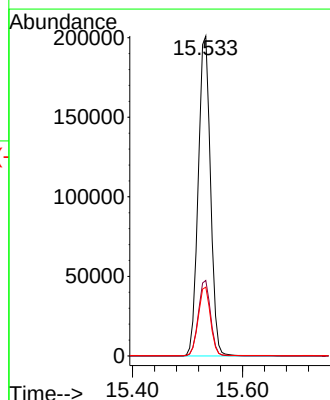
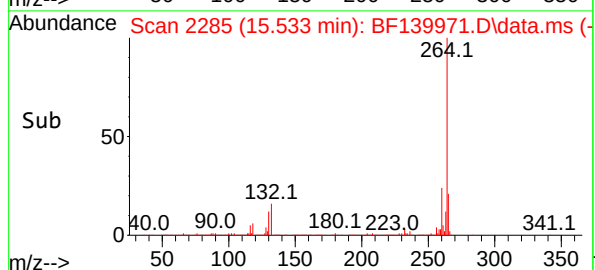
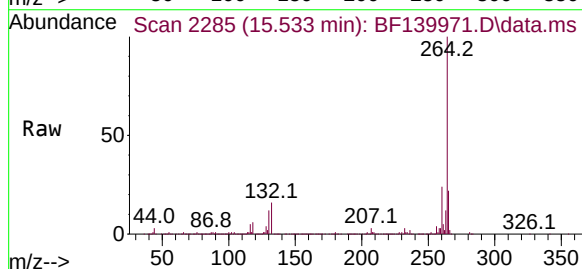
Manual Integrations
APPROVED

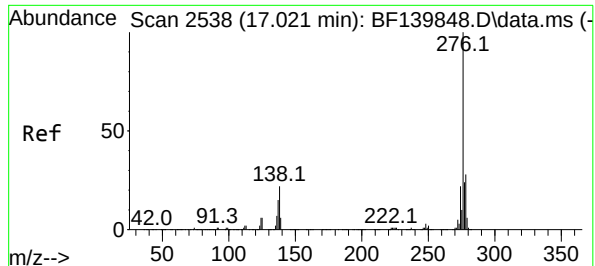
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139971.D
Acq: 23 Oct 2024 18:28

Tgt Ion:264 Resp: 311545
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.398 ng

RT: 17.027 min Scan# 2539

Delta R.T. 0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:276 Resp: 729499

Ion Ratio Lower Upper

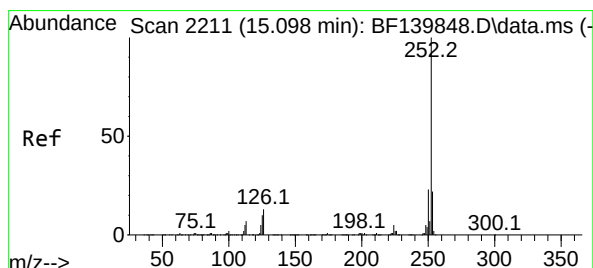
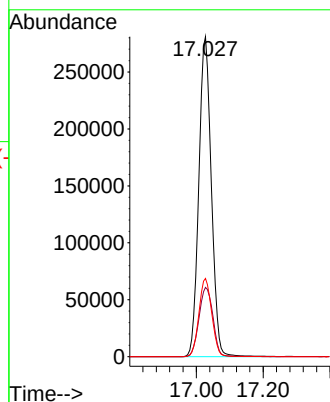
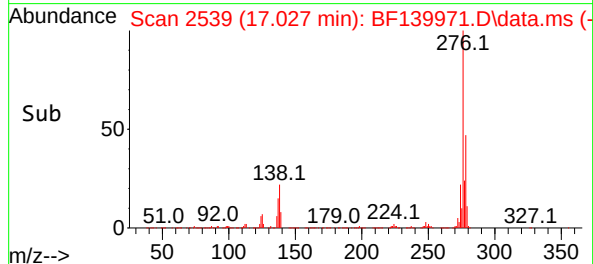
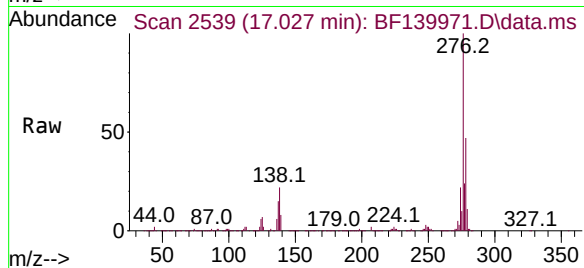
276 100

138 24.2 20.4 30.6

277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#88

Benzo(b)fluoranthene

Concen: 61.374 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

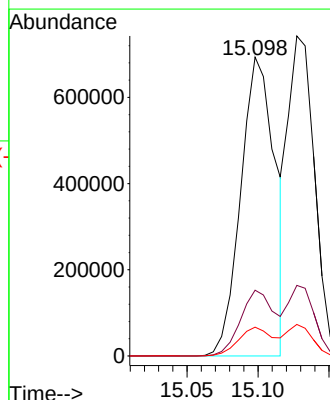
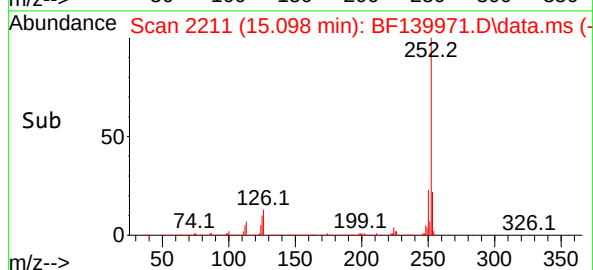
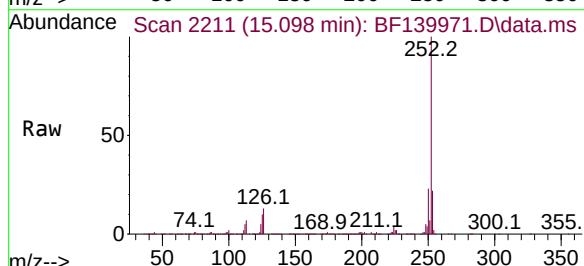
Tgt Ion:252 Resp: 1164759

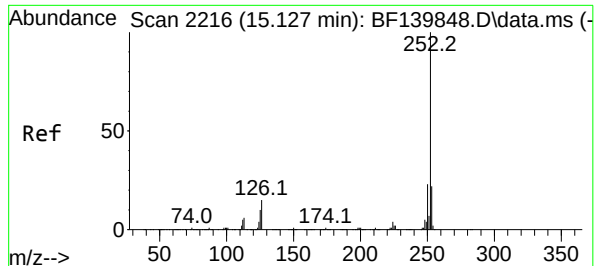
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 59.044 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:252 Resp: 966378

Ion Ratio Lower Upper

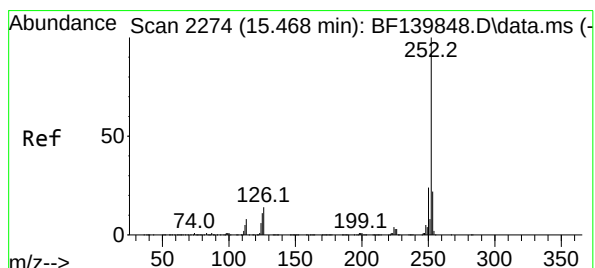
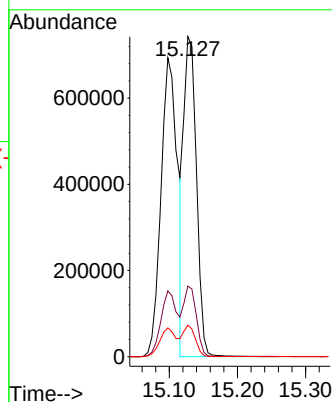
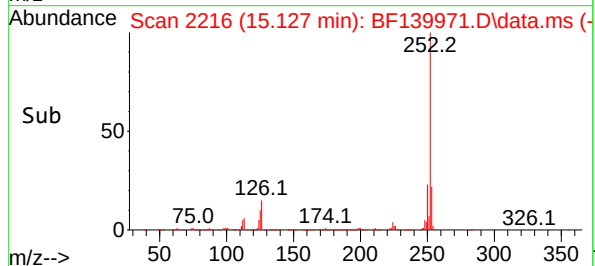
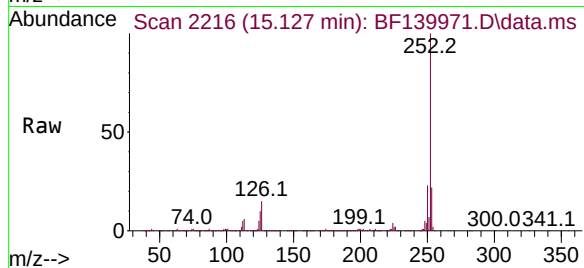
252 100

253 22.0 17.6 26.4

125 9.8 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#90

Benzo(a)pyrene

Concen: 59.687 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

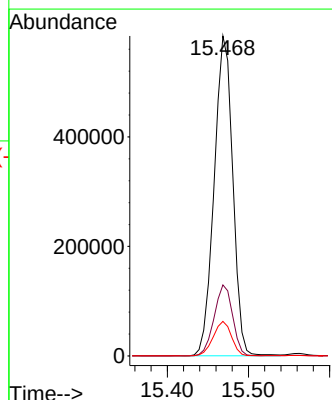
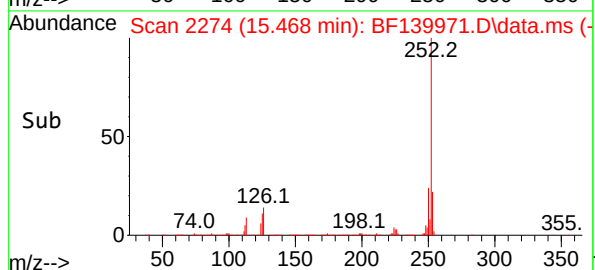
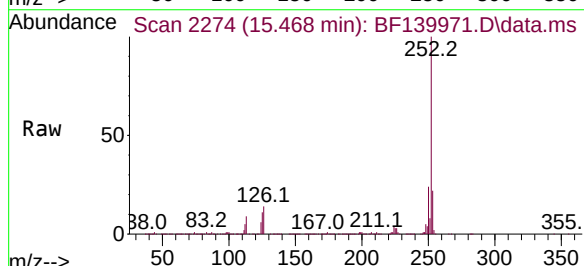
Tgt Ion:252 Resp: 932048

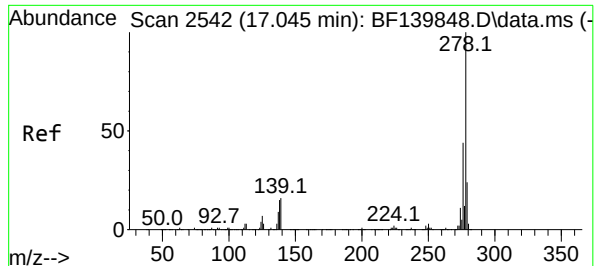
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 36.758 ng

RT: 17.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

Instrument :

BNA_F

ClientSampleId :

WB-301-BOTMSD

Tgt Ion:278 Resp: 61459

Ion Ratio Lower Upper

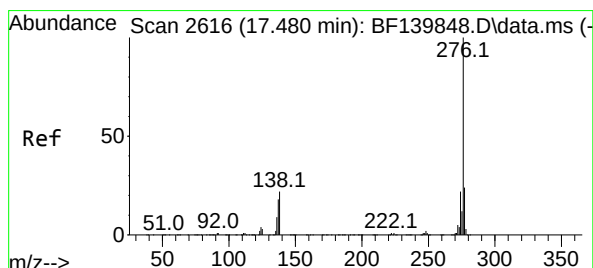
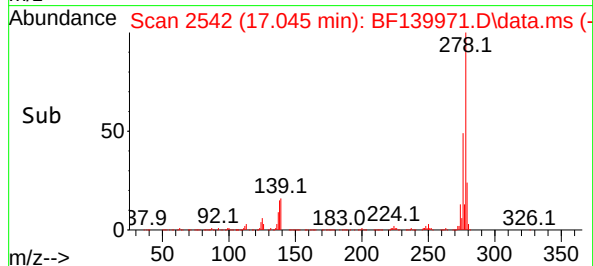
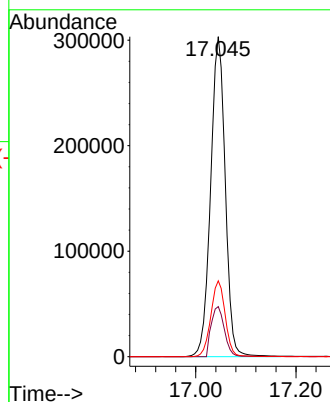
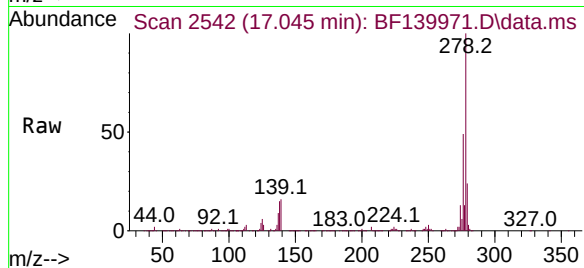
278 100

139 15.6 13.1 19.7

279 23.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

#92

Benzo(g,h,i)perylene

Concen: 30.956 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF139971.D

Acq: 23 Oct 2024 18:28

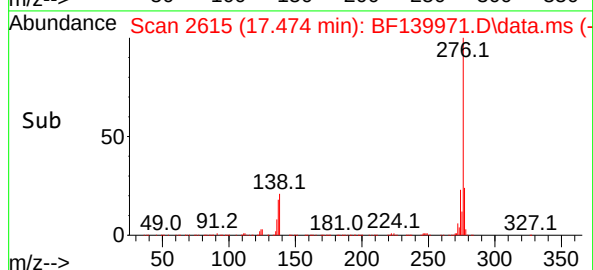
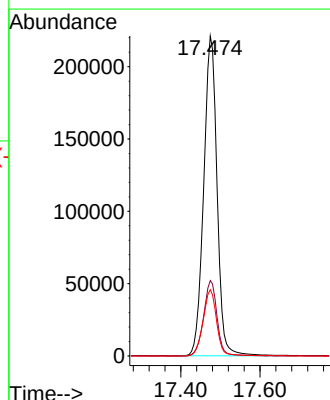
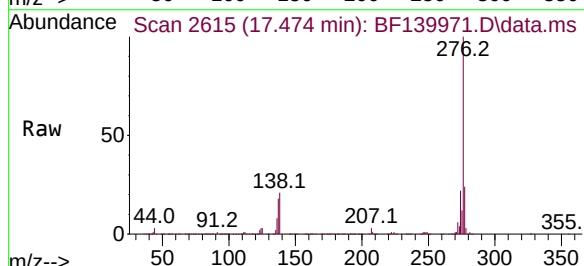
Tgt Ion:276 Resp: 516991

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.7 17.4 26.0



Manual Integration Report

Sequence:

BF101824

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICCC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICCC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICCC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF102324

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139952.D	Phenol	yogesh	10/24/2024 1:42:16 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
SSTDCCC040	BF139965.D	Phenol	yogesh	10/24/2024 1:42:27 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
P4397-06MS	BF139970.D	Phenol	Jagrut	10/24/2024 10:34:11 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
P4397-06MSD	BF139971.D	Phenol	Jagrut	10/24/2024 10:34:14 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF102424

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139990.D	Phenol	yogesh	10/25/2024 6:26:47 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
PB164315BS	BF139994.D	Caprolactam	yogesh	10/25/2024 6:26:55 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
PB164315BS	BF139994.D	Phenol	yogesh	10/25/2024 6:26:55 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
SSTDCCC040	BF140001.D	Phenol	yogesh	10/25/2024 6:27:19 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM
SubDirectory	BF101824	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM
SubDirectory	BF101824	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139951.D	23 Oct 2024 08:52	RC/JU	Ok
2	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	RC/JU	Ok,M
3	PB164020BL	BF139953.D	23 Oct 2024 09:48	RC/JU	Ok
4	PB164020BS	BF139954.D	23 Oct 2024 10:17	RC/JU	Ok,M
5	PB164237BL	BF139955.D	23 Oct 2024 10:45	RC/JU	Ok
6	PB164237BS	BF139956.D	23 Oct 2024 11:14	RC/JU	Ok,M
7	PB164208BL	BF139957.D	23 Oct 2024 11:42	RC/JU	Ok
8	PB164216BS	BF139958.D	23 Oct 2024 12:10	RC/JU	Ok,M
9	PB164123BS	BF139959.D	23 Oct 2024 12:39	RC/JU	Ok,M
10	PB164154BS	BF139960.D	23 Oct 2024 13:07	RC/JU	Ok,M
11	PB164154BSD	BF139961.D	23 Oct 2024 13:36	RC/JU	Ok,M
12	PB164286BL	BF139962.D	23 Oct 2024 14:04	RC/JU	Ok
13	PB164286BS	BF139963.D	23 Oct 2024 14:33	RC/JU	Ok,M
14	DFTPP	BF139964.D	23 Oct 2024 15:01	RC/JU	Ok
15	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	RC/JU	Ok,M
16	PB164195TB	BF139966.D	23 Oct 2024 15:58	RC/JU	Ok
17	P4397-06	BF139967.D	23 Oct 2024 16:32	RC/JU	Ok
18	P4443-06DL	BF139968.D	23 Oct 2024 17:01	RC/JU	Ok,M
19	P4458-01	BF139969.D	23 Oct 2024 17:30	RC/JU	Ok,M
20	P4397-06MS	BF139970.D	23 Oct 2024 17:59	RC/JU	Ok,M
21	P4397-06MSD	BF139971.D	23 Oct 2024 18:28	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4472-04	BF139972.D	23 Oct 2024 18:56	RC/JU	Ok
23	P4468-06	BF139973.D	23 Oct 2024 19:25	RC/JU	Ok
24	P4468-04	BF139974.D	23 Oct 2024 19:54	RC/JU	Ok
25	P4397-04	BF139975.D	23 Oct 2024 20:22	RC/JU	Ok
26	P4397-02	BF139976.D	23 Oct 2024 20:51	RC/JU	Ok
27	P4397-02MS	BF139977.D	23 Oct 2024 21:20	RC/JU	Ok,M
28	P4397-02MSD	BF139978.D	23 Oct 2024 21:49	RC/JU	Ok,M
29	P4397-01	BF139979.D	23 Oct 2024 22:17	RC/JU	Ok,M
30	P4468-05	BF139980.D	23 Oct 2024 22:46	RC/JU	Ok
31	P4472-01	BF139981.D	23 Oct 2024 23:14	RC/JU	Ok
32	P4385-20	BF139982.D	23 Oct 2024 23:43	RC/JU	Ok,M
33	P4385-14	BF139983.D	24 Oct 2024 00:11	RC/JU	Ok
34	P4474-01	BF139984.D	24 Oct 2024 00:40	RC/JU	Ok
35	P4473-01	BF139985.D	24 Oct 2024 01:08	RC/JU	Ok
36	P4489-01	BF139986.D	24 Oct 2024 01:37	RC/JU	Dilution
37	P4486-01	BF139987.D	24 Oct 2024 02:06	RC/JU	Ok,M
38	P4468-03	BF139988.D	24 Oct 2024 02:34	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM
SubDirectory	BF102424	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12323,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139989.D	24 Oct 2024 09:26	RC/JU	Ok
2	SSTDCCC040	BF139990.D	24 Oct 2024 09:55	RC/JU	Ok,M
3	PB164312BL	BF139991.D	24 Oct 2024 10:23	RC/JU	Ok
4	PB164312BS	BF139992.D	24 Oct 2024 10:52	RC/JU	Ok,M
5	PB164315BL	BF139993.D	24 Oct 2024 11:20	RC/JU	Ok
6	PB164315BS	BF139994.D	24 Oct 2024 11:49	RC/JU	Ok,M
7	PB164301TB	BF139995.D	24 Oct 2024 12:17	RC/JU	Ok
8	PB163997BS	BF139996.D	24 Oct 2024 12:53	RC/JU	Ok,M
9	PB164208BS	BF139997.D	24 Oct 2024 13:21	RC/JU	Ok,M
10	PB164338BL	BF139998.D	24 Oct 2024 13:50	RC/JU	Ok
11	PB164338BS	BF139999.D	24 Oct 2024 14:19	RC/JU	Ok,M
12	DFTPP	BF140000.D	24 Oct 2024 14:47	RC/JU	Ok
13	SSTDCCC040	BF140001.D	24 Oct 2024 15:16	RC/JU	Ok,M
14	PB164261TB	BF140002.D	24 Oct 2024 15:44	RC/JU	Ok
15	P4489-01DL	BF140003.D	24 Oct 2024 16:19	RC/JU	Ok
16	P4467-01MS	BF140004.D	24 Oct 2024 16:48	RC/JU	Ok,M
17	P4467-01MSD	BF140005.D	24 Oct 2024 17:17	RC/JU	Ok,M
18	P4460-03MS	BF140006.D	24 Oct 2024 17:45	RC/JU	Ok,M
19	P4460-03MSD	BF140007.D	24 Oct 2024 18:14	RC/JU	Ok,M
20	P4467-04	BF140008.D	24 Oct 2024 18:42	RC/JU	Ok
21	P4472-08	BF140009.D	24 Oct 2024 19:11	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM
SubDirectory	BF102424	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12323,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4460-03	BF140010.D	24 Oct 2024 19:39	RC/JU	ReRun
23	P4471-01	BF140011.D	24 Oct 2024 20:08	RC/JU	Ok
24	P4471-02	BF140012.D	24 Oct 2024 20:36	RC/JU	ReRun
25	P4467-01	BF140013.D	24 Oct 2024 21:04	RC/JU	ReRun
26	P4460-04	BF140014.D	24 Oct 2024 21:33	RC/JU	ReRun
27	P4468-01	BF140015.D	24 Oct 2024 22:01	RC/JU	ReRun
28	P4485-01	BF140016.D	24 Oct 2024 22:29	RC/JU	ReRun
29	P4487-01	BF140017.D	24 Oct 2024 22:58	RC/JU	ReRun
30	P4487-05	BF140018.D	24 Oct 2024 23:26	RC/JU	Ok
31	P4487-05MS	BF140019.D	24 Oct 2024 23:54	RC/JU	Ok,M
32	P4487-05MSD	BF140020.D	25 Oct 2024 00:22	RC/JU	Ok,M
33	P4485-02	BF140021.D	25 Oct 2024 00:50	RC/JU	ReRun
34	P4512-03	BF140022.D	25 Oct 2024 01:19	RC/JU	ReRun
35	P4470-01	BF140023.D	25 Oct 2024 01:46	RC/JU	Not Ok
36	P4472-05	BF140024.D	25 Oct 2024 02:14	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM
SubDirectory	BF101824	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12322,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139951.D	23 Oct 2024 08:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139952.D	23 Oct 2024 09:20		RC/JU	Ok,M
3	PB164020BL	PB164020BL	BF139953.D	23 Oct 2024 09:48		RC/JU	Ok
4	PB164020BS	PB164020BS	BF139954.D	23 Oct 2024 10:17		RC/JU	Ok,M
5	PB164237BL	PB164237BL	BF139955.D	23 Oct 2024 10:45		RC/JU	Ok
6	PB164237BS	PB164237BS	BF139956.D	23 Oct 2024 11:14		RC/JU	Ok,M
7	PB164208BL	PB164208BL	BF139957.D	23 Oct 2024 11:42		RC/JU	Ok
8	PB164216BS	PB164216BS	BF139958.D	23 Oct 2024 12:10		RC/JU	Ok,M
9	PB164123BS	PB164123BS	BF139959.D	23 Oct 2024 12:39		RC/JU	Ok,M
10	PB164154BS	PB164154BS	BF139960.D	23 Oct 2024 13:07		RC/JU	Ok,M
11	PB164154BSD	PB164154BSD	BF139961.D	23 Oct 2024 13:36		RC/JU	Ok,M
12	PB164286BL	PB164286BL	BF139962.D	23 Oct 2024 14:04		RC/JU	Ok
13	PB164286BS	PB164286BS	BF139963.D	23 Oct 2024 14:33		RC/JU	Ok,M
14	DFTPP	DFTPP	BF139964.D	23 Oct 2024 15:01		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139965.D	23 Oct 2024 15:30		RC/JU	Ok,M
16	PB164195TB	PB164195TB	BF139966.D	23 Oct 2024 15:58		RC/JU	Ok
17	P4397-06	WB-301-BOT	BF139967.D	23 Oct 2024 16:32		RC/JU	Ok
18	P4443-06DL	OG-315-HR-502-COMF	BF139968.D	23 Oct 2024 17:01		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12322,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4458-01	280517	BF139969.D	23 Oct 2024 17:30		RC/JU	Ok,M
20	P4397-06MS	WB-301-BOTMS	BF139970.D	23 Oct 2024 17:59		RC/JU	Ok,M
21	P4397-06MSD	WB-301-BOTMSD	BF139971.D	23 Oct 2024 18:28		RC/JU	Ok,M
22	P4472-04	BP-F-28	BF139972.D	23 Oct 2024 18:56		RC/JU	Ok
23	P4468-06	ETGI-345	BF139973.D	23 Oct 2024 19:25		RC/JU	Ok
24	P4468-04	ETGI-329	BF139974.D	23 Oct 2024 19:54		RC/JU	Ok
25	P4397-04	WB-301-SW	BF139975.D	23 Oct 2024 20:22		RC/JU	Ok
26	P4397-02	WB-301-BOT	BF139976.D	23 Oct 2024 20:51		RC/JU	Ok
27	P4397-02MS	WB-301-BOTMS	BF139977.D	23 Oct 2024 21:20		RC/JU	Ok,M
28	P4397-02MSD	WB-301-BOTMSD	BF139978.D	23 Oct 2024 21:49		RC/JU	Ok,M
29	P4397-01	WB-301-TOP	BF139979.D	23 Oct 2024 22:17		RC/JU	Ok,M
30	P4468-05	ETGI-345	BF139980.D	23 Oct 2024 22:46		RC/JU	Ok
31	P4472-01	BP-F-28	BF139981.D	23 Oct 2024 23:14		RC/JU	Ok
32	P4385-20	SP-10	BF139982.D	23 Oct 2024 23:43		RC/JU	Ok,M
33	P4385-14	SP-7	BF139983.D	24 Oct 2024 00:11		RC/JU	Ok
34	P4474-01	TS-2	BF139984.D	24 Oct 2024 00:40		RC/JU	Ok
35	P4473-01	TS-1	BF139985.D	24 Oct 2024 01:08		RC/JU	Ok
36	P4489-01	RT-2675	BF139986.D	24 Oct 2024 01:37	Internal Standard Failed, Need 5X Dilution	RC/JU	Dilution
37	P4486-01	EO-03-102224	BF139987.D	24 Oct 2024 02:06		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4468-03	ETGI-329	BF139988.D	24 Oct 2024 02:34		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM
SubDirectory	BF102424	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BF139989.D	24 Oct 2024 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139990.D	24 Oct 2024 09:55		RC/JU	Ok,M
3	PB164312BL	PB164312BL	BF139991.D	24 Oct 2024 10:23		RC/JU	Ok
4	PB164312BS	PB164312BS	BF139992.D	24 Oct 2024 10:52		RC/JU	Ok,M
5	PB164315BL	PB164315BL	BF139993.D	24 Oct 2024 11:20		RC/JU	Ok
6	PB164315BS	PB164315BS	BF139994.D	24 Oct 2024 11:49		RC/JU	Ok,M
7	PB164301TB	PB164301TB	BF139995.D	24 Oct 2024 12:17		RC/JU	Ok
8	PB163997BS	PB163997BS	BF139996.D	24 Oct 2024 12:53		RC/JU	Ok,M
9	PB164208BS	PB164208BS	BF139997.D	24 Oct 2024 13:21		RC/JU	Ok,M
10	PB164338BL	PB164338BL	BF139998.D	24 Oct 2024 13:50		RC/JU	Ok
11	PB164338BS	PB164338BS	BF139999.D	24 Oct 2024 14:19		RC/JU	Ok,M
12	DFTPP	DFTPP	BF140000.D	24 Oct 2024 14:47		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040	BF140001.D	24 Oct 2024 15:16		RC/JU	Ok,M
14	PB164261TB	PB164261TB	BF140002.D	24 Oct 2024 15:44		RC/JU	Ok
15	P4489-01DL	RT-2675DL	BF140003.D	24 Oct 2024 16:19	Internal Standard Fail	RC/JU	Ok
16	P4467-01MS	TP-1MS	BF140004.D	24 Oct 2024 16:48		RC/JU	Ok,M
17	P4467-01MSD	TP-1MSD	BF140005.D	24 Oct 2024 17:17		RC/JU	Ok,M
18	P4460-03MS	WB-303-BOTMS	BF140006.D	24 Oct 2024 17:45		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12323,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4460-03MSD	WB-303-BOTMSD	BF140007.D	24 Oct 2024 18:14		RC/JU	Ok,M
20	P4467-04	TP-1	BF140008.D	24 Oct 2024 18:42		RC/JU	Ok
21	P4472-08	BP-F-6	BF140009.D	24 Oct 2024 19:11		RC/JU	Ok
22	P4460-03	WB-303-BOT	BF140010.D	24 Oct 2024 19:39	Internal Standrad Fail	RC/JU	ReRun
23	P4471-01	B-180-SB01	BF140011.D	24 Oct 2024 20:08		RC/JU	Ok
24	P4471-02	B-180-SB02	BF140012.D	24 Oct 2024 20:36	Internal Standrad Fail	RC/JU	ReRun
25	P4467-01	TP-1	BF140013.D	24 Oct 2024 21:04	Internal Standrad Fail	RC/JU	ReRun
26	P4460-04	WB-303-BOT	BF140014.D	24 Oct 2024 21:33	Internal Standrad Fail	RC/JU	ReRun
27	P4468-01	ETGI-331	BF140015.D	24 Oct 2024 22:01	Internal Standrad Fail	RC/JU	ReRun
28	P4485-01	D20241001-01-04	BF140016.D	24 Oct 2024 22:29	Internal Standrad Fail	RC/JU	ReRun
29	P4487-01	BP-B5	BF140017.D	24 Oct 2024 22:58	Internal Standrad Fail	RC/JU	ReRun
30	P4487-05	BP-F27	BF140018.D	24 Oct 2024 23:26	Internal Standrad Fail	RC/JU	Ok
31	P4487-05MS	BP-F27MS	BF140019.D	24 Oct 2024 23:54	Internal Standrad Fail	RC/JU	Ok,M
32	P4487-05MSD	BP-F27MSD	BF140020.D	25 Oct 2024 00:22	Internal Standrad Fail	RC/JU	Ok,M
33	P4485-02	D20241001-01-04	BF140021.D	25 Oct 2024 00:50	Internal Standrad Fail	RC/JU	ReRun
34	P4512-03	VNJ-212	BF140022.D	25 Oct 2024 01:19	Internal Standrad Fail	RC/JU	ReRun
35	P4470-01	CL-01-102124	BF140023.D	25 Oct 2024 01:46	Need Straight Run	RC/JU	Not Ok
36	P4472-05	BP-F-6	BF140024.D	25 Oct 2024 02:14	Internal Standrad Fail	RC/JU	ReRun

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 10/18/2024 Time : 17:00
Weigh By :	JP	End Prep Date : 10/19/2024 Time : 10:15
Balance ID :	WC SC-4	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1	Supervisor By : <i>12</i>
TCLP Filter ID :	114771	

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	N/A
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Tumbler T-1 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 08:00	<i>JP</i> <i>TCLP Room</i>	<i>JP</i> <i>EXT</i>
	Preparation Group	Analysis Group <i>10/21/24</i>

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P4397 WorkList ID : 184595 Department : TCLP Extraction Date : 10-18-2024 14:05:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06		10/10/2024	1311
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4458-02	280517	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4460-04	WB-303-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311

Date/Time 10/18/24 / 6:20
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/18/24 18:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction SVOC-20			
Clean Up SOP #: N/A		Extraction Start Date : 10/22/2024	
Matrix : Water		Extraction Start Time : 10:30	
Weigh By: N/A	Extraction By: RS	Extraction End Date : 10/22/2024	
Balance check: N/A	Filter By: RS	Extraction End Time : 15:25	
Balance ID: N/A	pH Meter ID: N/A	Concentration By: EH	
pH Strip Lot#: E3574	Hood ID: 4,5,6,7	Supervisor By : rajesh	

Extraction Method:
☒ Separatory Funnel
 ☐ Continous 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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2551
10N NaOH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
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. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: Water bath -01,02	Envap ID: NEVAP-02
KD Bath Temperature: 60 °C	Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Ent. Lab)	AC/SVOC
15:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 10/22/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164261TB	PB164261TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB164301TB	PB164301TB	TCLP BNA	100	6	RUPESH	ritesh	1			2
PB164315BL	PB164315BL	TCLP BNA	1000	6	RUPESH	ritesh	1			3
PB164315BS	PB164315BS	TCLP BNA	1000	6	RUPESH	ritesh	1			4
P4397-06	WB-301-BOT	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
P4397-06MS	WB-301-BOTMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
P4397-06MS D	WB-301-BOTMSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
P4443-05	OG-315-HR-502-COMP-2 9	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
P4443-10	OG-315-HR-502-COMP-3 0	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
P4458-02	280517	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
P4460-04	WB-303-BOT	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
P4467-04	TP-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
P4468-04	ETGI-329	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
P4468-06	ETGI-345	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
P4472-04	BP-F-28	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
P4472-08	BP-F-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		16

* Extracts relinquished on the same date as received.



TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/21/2024
UG1-00

TCLP EXTRACTION LOGPAGE

PB164301

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4467-04	TP-1	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
P4468-02	ETGI-331	02	100.03	2000	N/A	N/A	N/A	10.5	1.0	T-1
P4468-04	ETGI-329	03	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4468-06	ETGI-345	04	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4472-04	BP-F-28	05	100.03	2000	N/A	N/A	N/A	7.0	1.0	T-1
P4472-08	BP-F-6	06	100.04	2000	N/A	N/A	N/A	6.2	1.5	T-1
PB164301TB	LEB301	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/22/2024
201-00



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **P4397**
QUOTE NO.
COC Number **2042048**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Gannet Fleming**
ADDRESS: **1010 Adam Avenue**
CITY: **Audobon** STATE: **PA** ZIP: **19403**
ATTENTION: **Joe Krupansky**
PHONE: **610-301-8362** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Amtrak's replacement of SB**
PROJECT NO.: **950000818** LOCATION: **Kearny, NJ**
PROJECT MANAGER: **Joe Krupansky**
e-mail: **Q7AQC@bomsystems.com**
PHONE: **610-301-8362** FAX:

CLIENT BILLING INFORMATION

BILL TO: **Chemtech** PO#: **284 Sheffield St.**
ADDRESS: **284 Sheffield St.**
CITY: **Mountainside** STATE: **NJ** ZIP: **07092**
ATTENTION: **Samantha** PHONE: **908-788-3198**

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): **10** DAYS*
EDD: **10** 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 **BEM EDD**

100 VOC + 10 PAH
PCB
TAH Metals
CAHID, CALD
EPH

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A	B	C	D	E	F	G	H	I	
1.	NB-301-70P	S	X		10/10	10:00	10	X	X	X	X	X	X				
2.	NB-301-BOT	S	X		10/10	12:15	10	X	X	X	X	X	X				
3.	NB-301-SW	GW	X		10/10	11:00	7	X	X	X	X	X					
4.	7B-10102024	W			10/10	LAB	2	X									
5.	Temp. Blank																
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Meta Mursula	DATE/TIME: 3:05 PM 10/11/24	RECEIVED BY: 1. [Signature]	DATE/TIME: 10-11-24	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	DATE/TIME:	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 10/11/24	RECEIVED BY: 3. [Signature]	DATE/TIME:	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

From: Vrunda Pujara <vpujara@yu-associates.com>
Sent: Thursday, October 17, 2024 4:58 PM
To: Yazmeen Gomez
Cc: Chengyu Hang; 'Jordan Hedvat'
Subject: Corrected COC
Attachments: Corrected COC.pdf

Hello Yazmeen,

For samples collected on 10.10.2024. The WB-301-Bot were to be additionally analyzed for Full TCLP, RCRA parameters and TOX. I have included the corrected scanned COC in the email. Kindly let me know if you have any additional questions.

Thanks,

Vrunda Pujara
Senior Staff Engineer

YU & Associates

611 River Drive, 3rd Floor* | Elmwood Park | NJ 07407
D: 201.791.0075 **F:** 201.791.4533



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