

Cover Page

Order ID : Q1232

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number

Q1232-01
Q1232-02
Q1232-03
Q1232-04
Q1232-05
Q1232-06
Q1232-07
Q1232-08
Q1232-09
Q1232-10
Q1232-11
Q1232-12
Q1232-13
Q1232-14
Q1232-15
Q1232-16
Q1232-17
Q1232-18
Q1232-19
Q1232-20

Client Sample Number

JPP-46.2-012925
JPP-46.2-012925
JPP-46.2-012925
JPP-46.2-012925
JPP-46.1-012925
JPP-46.1-012925
JPP-46.1-012925
JPP-46.1-012925
JPP-42.1-012925
JPP-42.1-012925
JPP-42.1-012925
JPP-42.1-012925
JPP-42.2-012925
JPP-42.2-012925
JPP-42.2-012925
JPP-42.2-012925
JPP-51.1-012925
JPP-51.1-012925
JPP-51.1-012925
JPP-51.1-012925

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: 2/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

RU2 Engineering, LLC

Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Project # N/A

Chemtech Project # Q1232

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 01/30/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, 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 and VOCMS Group1. 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.

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 File ID BF141336.D met the requirements except for Pentachlorophenol, The associate samples have no positive hit for this compound therefore no corrective action was taken.

The Tuning criteria met requirements.



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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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1232

MATRIX: TCLP

METHOD: 8270E/3510/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements . The Continuous Calibration File ID BF141336.D met the requirements except for Pentachlorophenol, The associate samples have no positive hit for this compound therefore no corrective action was taken.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY
(CONTINUED)

		NA	NO	YES
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

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.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1232

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: SOHIL JODHANI

Date: 02/10/2025

LAB CHRONICLE

OrderID:	Q1232	OrderDate:	1/30/2025 11:55:00 AM
Client:	RU2 Engineering, LLC	Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	Location:	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1232-04	JPP-46.2-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25
Q1232-08	JPP-46.1-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25
Q1232-12	JPP-42.1-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25
Q1232-16	JPP-42.2-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25
Q1232-20	JPP-51.1-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25



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Hit Summary Sheet
SW-846

SDG No.: Q1232

Client: RU2 Engineering, LLC

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.: Q1232

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166356TB	PB166356TB	2-Fluorophenol	150	126	84		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	86.5	86		49	133
		2-Fluorobiphenyl	100	86.2	86		52	132
		2,4,6-Tribromophenol	150	136	90		44	137
		Terphenyl-d14	100	80.1	80		48	125
PB166426BL	PB166426BL	2-Fluorophenol	150	159	106		10	139
		Phenol-d6	150	143	95		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	100	100		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	84.0	84		48	125
PB166426BS	PB166426BS	2-Fluorophenol	150	132	88		10	139
		Phenol-d6	150	127	85		10	134
		Nitrobenzene-d5	100	92.2	92		49	133
		2-Fluorobiphenyl	100	93.5	94		52	132
		2,4,6-Tribromophenol	150	154	102		44	137
		Terphenyl-d14	100	89.9	90		48	125
Q1218-02MS	BELL-25-002MS	2-Fluorophenol	150	117	78		10	139
		Phenol-d6	150	108	72		10	134
		Nitrobenzene-d5	100	92.8	93		49	133
		2-Fluorobiphenyl	100	92.6	93		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	63.3	63		48	125
Q1218-02MSD	BELL-25-002MSD	2-Fluorophenol	150	124	83		10	139
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	89.4	89		49	133
		2-Fluorobiphenyl	100	85.7	86		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	68.2	68		48	125
Q1232-04	JPP-46.2-012925	2-Fluorophenol	150	135	90		10	139
		Phenol-d6	150	131	87		10	134
		Nitrobenzene-d5	100	107	107		49	133
		2-Fluorobiphenyl	100	102	102		52	132
		2,4,6-Tribromophenol	150	166	111		44	137
		Terphenyl-d14	100	99.5	100		48	125
Q1232-08	JPP-46.1-012925	2-Fluorophenol	150	136	91		10	139
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	106	106		49	133
		2-Fluorobiphenyl	100	99.8	100		52	132
		2,4,6-Tribromophenol	150	164	109		44	137
		Terphenyl-d14	100	98.5	99		48	125
Q1232-12	JPP-42.1-012925	2-Fluorophenol	150	135	90		10	139
		Phenol-d6	150	128	85		10	134
		Nitrobenzene-d5	100	105	105		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	163	108		44	137
		Terphenyl-d14	100	94.6	95		48	125
Q1232-16	JPP-42.2-012925	2-Fluorophenol	150	137	91		10	139
		Phenol-d6	150	131	87		10	134
		Nitrobenzene-d5	100	104	104		49	133

Surrogate Summary

SW-846

SDG No.: Q1232

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q1232-16	JPP-42.2-012925	2-Fluorobiphenyl	100	99.3	99		52	132
		2,4,6-Tribromophenol	150	163	109		44	137
		Terphenyl-d14	100	96.7	97		48	125
Q1232-20	JPP-51.1-012925	2-Fluorophenol	150	137	91		10	139
		Phenol-d6	150	130	87		10	134
		Nitrobenzene-d5	100	106	106		49	133
		2-Fluorobiphenyl	100	101	101		52	132
		2,4,6-Tribromophenol	150	165	110		44	137
		Terphenyl-d14	100	105	105		48	125

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1232

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1218-02MS	Client Sample ID:	BELL-25-002MS					DataFile:	BF141339.D		
Pyridine	500	0	210	ug/L	42				10	109	
1,4-Dichlorobenzene	500	0	360	ug/L	72				55	125	
2-Methylphenol	500	0	360	ug/L	72				37	126	
3+4-Methylphenols	500	0	350	ug/L	70				31	127	
Hexachloroethane	500	0	380	ug/L	76				49	110	
Nitrobenzene	500	0	480	ug/L	96				62	112	
Hexachlorobutadiene	500	0	340	ug/L	68				52	125	
2,4,6-Trichlorophenol	500	0	460	ug/L	92				78	112	
2,4,5-Trichlorophenol	500	0	420	ug/L	84				71	111	
2,4-Dinitrotoluene	500	0	380	ug/L	76				50	142	
Hexachlorobenzene	500	0	440	ug/L	88				72	115	
Pentachlorophenol	1000	0	980	ug/L	98				25	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1232

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1218-02MSD	Client Sample ID:	BELL-25-002MSD					DataFile:	BF141340.D		
Pyridine	500	0	220	ug/L	44		5		10	109	20
1,4-Dichlorobenzene	500	0	360	ug/L	72		0		55	125	20
2-Methylphenol	500	0	400	ug/L	80		11		37	126	20
3+4-Methylphenols	500	0	400	ug/L	80		13		31	127	20
Hexachloroethane	500	0	380	ug/L	76		0		49	110	20
Nitrobenzene	500	0	460	ug/L	92		4		62	112	20
Hexachlorobutadiene	500	0	320	ug/L	64		6		52	125	20
2,4,6-Trichlorophenol	500	0	450	ug/L	90		2		78	112	20
2,4,5-Trichlorophenol	500	0	440	ug/L	88		5		71	111	20
2,4-Dinitrotoluene	500	0	380	ug/L	76		0		50	142	20
Hexachlorobenzene	500	0	450	ug/L	90		2		72	115	20
Pentachlorophenol	1000	0	940	ug/L	94		4		25	139	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1232

Client: RU2 Engineering, LLC

Analytical Method: 8270E

DataFile: BF141407.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166426BS	Pyridine	50	39.6	ug/L	79				29	97	
	1,4-Dichlorobenzene	50	45.5	ug/L	91				76	103	
	2-Methylphenol	50	45.9	ug/L	92				69	109	
	3+4-Methylphenols	50	48.4	ug/L	97				67	106	
	Hexachloroethane	50	47.5	ug/L	95				76	118	
	Nitrobenzene	50	44.9	ug/L	90				58	106	
	Hexachlorobutadiene	50	48.0	ug/L	96				69	101	
	2,4,6-Trichlorophenol	50	48.8	ug/L	98				61	110	
	2,4,5-Trichlorophenol	50	47.3	ug/L	95				70	106	
	2,4-Dinitrotoluene	50	50.0	ug/L	100				60	115	
	Hexachlorobenzene	50	48.9	ug/L	98				73	106	
	Pentachlorophenol	100	100	ug/L	100				47	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166426BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1232

SAS No.: Q1232 SDG NO.: Q1232

Lab File ID: BF141362.D

Lab Sample ID: PB166426BL

Instrument ID: BNA_F

Date Extracted: 01/31/2025

Matrix: (soil/water) water

Date Analyzed: 02/03/2025

Level: (low/med) LOW

Time Analyzed: 11:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
JPP-46.2-012925	Q1232-04	BF141380.D	02/03/2025
JPP-46.1-012925	Q1232-08	BF141381.D	02/03/2025
JPP-42.1-012925	Q1232-12	BF141382.D	02/03/2025
JPP-42.2-012925	Q1232-16	BF141383.D	02/03/2025
JPP-51.1-012925	Q1232-20	BF141384.D	02/03/2025
PB166356TB	PB166356TB	BF141406.D	02/04/2025
PB166426BS	PB166426BS	BF141407.D	02/04/2025
BELL-25-002MS	Q1218-02MS	BF141339.D	01/31/2025
BELL-25-002MSD	Q1218-02MSD	BF141340.D	01/31/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1232 SDG NO.: Q1232Lab File ID: BF141289.DDFTPP Injection Date: 01/29/2025Instrument ID: BNA_FDFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1232 SDG NO.: Q1232Lab File ID: BF141335.DDFTPP Injection Date: 01/31/2025Instrument ID: BNA_FDFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
BELL-25-002MS	Q1218-02MS	BF141339.D	01/31/2025	18:44
BELL-25-002MSD	Q1218-02MSD	BF141340.D	01/31/2025	19:11



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: RUTW01Lab Code: CHEMSAS No.: Q1232 SDG NO.: Q1232Lab File ID: BF141360.DDFTPP Injection Date: 02/03/2025Instrument ID: BNA_FDFTPP Injection Time: 09:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (18.6) 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	BF141361.D	02/03/2025	11:24
PB166426BL	PB166426BL	BF141362.D	02/03/2025	11:51



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1232 SDG NO.: Q1232Lab File ID: BF141372.DDFTPP Injection Date: 02/03/2025Instrument ID: BNA_FDFTPP Injection Time: 16:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.1
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	50.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.7 (19.5) 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	BF141373.D	02/03/2025	17:14
JPP-46.2-012925	Q1232-04	BF141380.D	02/03/2025	20:24
JPP-46.1-012925	Q1232-08	BF141381.D	02/03/2025	20:51
JPP-42.1-012925	Q1232-12	BF141382.D	02/03/2025	21:17
JPP-42.2-012925	Q1232-16	BF141383.D	02/03/2025	21:44
JPP-51.1-012925	Q1232-20	BF141384.D	02/03/2025	22:11



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1232 SDG NO.: Q1232Lab File ID: BF141397.DDFTPP Injection Date: 02/04/2025Instrument ID: BNA_FDFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141398.D	02/04/2025	10:42
PB166356TB	PB166356TB	BF141406.D	02/04/2025	14:13
PB166426BS	PB166426BS	BF141407.D	02/04/2025	14:39

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	140033	6.798	558386	8.08	299701	9.84
UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
EPA SAMPLE NO.						
01 BELL-25-002MS	131554	6.80	434471	8.08	208861	9.84
02 BELL-25-002MSD	142670	6.80	521314	8.09	271292	9.85

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	493954	11.322	281629	13.968	286623	15.433
UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
EPA SAMPLE NO.						
01 BELL-25-002MS	316494	11.32	287072	13.97	323532	15.43
02 BELL-25-002MSD	395783	11.33	279691	13.97	312761	15.42

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	93803	6.798	362783	8.08	198566	9.83
UPPER LIMIT	187606	7.298	725566	8.581	397132	10.333
LOWER LIMIT	46901.5	6.298	181392	7.581	99283	9.333
EPA SAMPLE NO.						
01 PB166426BL	87343	6.79	347606	8.08	191809	9.83

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	334466	11.322	243574	13.968	284769	15.427
UPPER LIMIT	668932	11.822	487148	14.468	569538	15.927
LOWER LIMIT	167233	10.822	121787	13.468	142385	14.927
EPA SAMPLE NO.						
01 PB166426BL	337058	11.32	285942	13.96	281061	15.42

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

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	104167	6.798	414412	8.08	226326	9.83
UPPER LIMIT	208334	7.298	828824	8.581	452652	10.333
LOWER LIMIT	52083.5	6.298	207206	7.581	113163	9.333
EPA SAMPLE NO.						
01 JPP-46.2-012925	93170	6.79	362646	8.08	194869	9.83
02 JPP-46.1-012925	86900	6.79	344884	8.08	192037	9.83
03 JPP-42.1-012925	89109	6.79	351714	8.08	188139	9.83
04 JPP-42.2-012925	84155	6.79	336578	8.08	187844	9.83
05 JPP-51.1-012925	88557	6.79	354547	8.08	194446	9.83

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

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	383558	11.322	233911	13.963	231577	15.415
UPPER LIMIT	767116	11.822	467822	14.463	463154	15.915
LOWER LIMIT	191779	10.822	116956	13.463	115789	14.915
EPA SAMPLE NO.						
01 JPP-46.2-012925	333909	11.32	223983	13.96	156310	15.41
02 JPP-46.1-012925	317485	11.32	222096	13.96	159639	15.42
03 JPP-42.1-012925	319169	11.32	226990	13.96	160771	15.41
04 JPP-42.2-012925	310260	11.32	217689	13.96	158450	15.40
05 JPP-51.1-012925	330562	11.32	210585	13.96	155102	15.40

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	87552	6.793	331835	8.08	180473	9.83
UPPER LIMIT	175104	7.293	663670	8.575	360946	10.328
LOWER LIMIT	43776	6.293	165918	7.575	90236.5	9.328
EPA SAMPLE NO.						
01 PB166356TB	94457	6.79	389015	8.07	210477	9.83
02 PB166426BS	82681	6.79	331184	8.08	180993	9.83

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.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	318826	11.316	235294	13.963	201713	15.421
UPPER LIMIT	637652	11.816	470588	14.463	403426	15.921
LOWER LIMIT	159413	10.816	117647	13.463	100857	14.921
EPA SAMPLE NO.						
01 PB166356TB	363737	11.32	282057	13.96	223254	15.42
02 PB166426BS	312610	11.32	234119	13.96	200536	15.42

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:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PB166356TB	SDG No.:	Q1232
Lab Sample ID:	PB166356TB	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
BF141406.D	1	01/31/25 10:29	02/04/25 14:13	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		10 - 139	84%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.5		49 - 133	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.2		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	80.1		48 - 125	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	94500	6.787			
1146-65-2	Naphthalene-d8	389000	8.069			
15067-26-2	Acenaphthene-d10	210000	9.828			
1517-22-2	Phenanthrene-d10	364000	11.316			
1719-03-5	Chrysene-d12	282000	13.957			
1520-96-3	Perylene-d12	223000	15.421			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/31/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/31/25
Client Sample ID:	PB166356TB	SDG No.:	Q1232
Lab Sample ID:	PB166356TB	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
BF141406.D	1	01/31/25 10:29	02/04/25 14:13	PB166426

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\BF020425\
Data File : BF141406.D
Acq On : 04 Feb 2025 14:13
Operator : RC/JU
Sample : PB166356TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166356TB

Quant Time: Feb 04 14:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	94457	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	389015	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	210477	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	363737	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	282057	20.000	ng	-0.02
86) Perylene-d12	15.421	264	223254	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	775752	126.082	ng	0.00
7) Phenol-d6	6.428	99	960023	122.654	ng	-0.01
23) Nitrobenzene-d5	7.351	82	638025	86.461	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	261673	135.611	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1179184	86.232	ng	-0.02
79) Terphenyl-d14	12.904	244	1465153	80.109	ng	-0.01

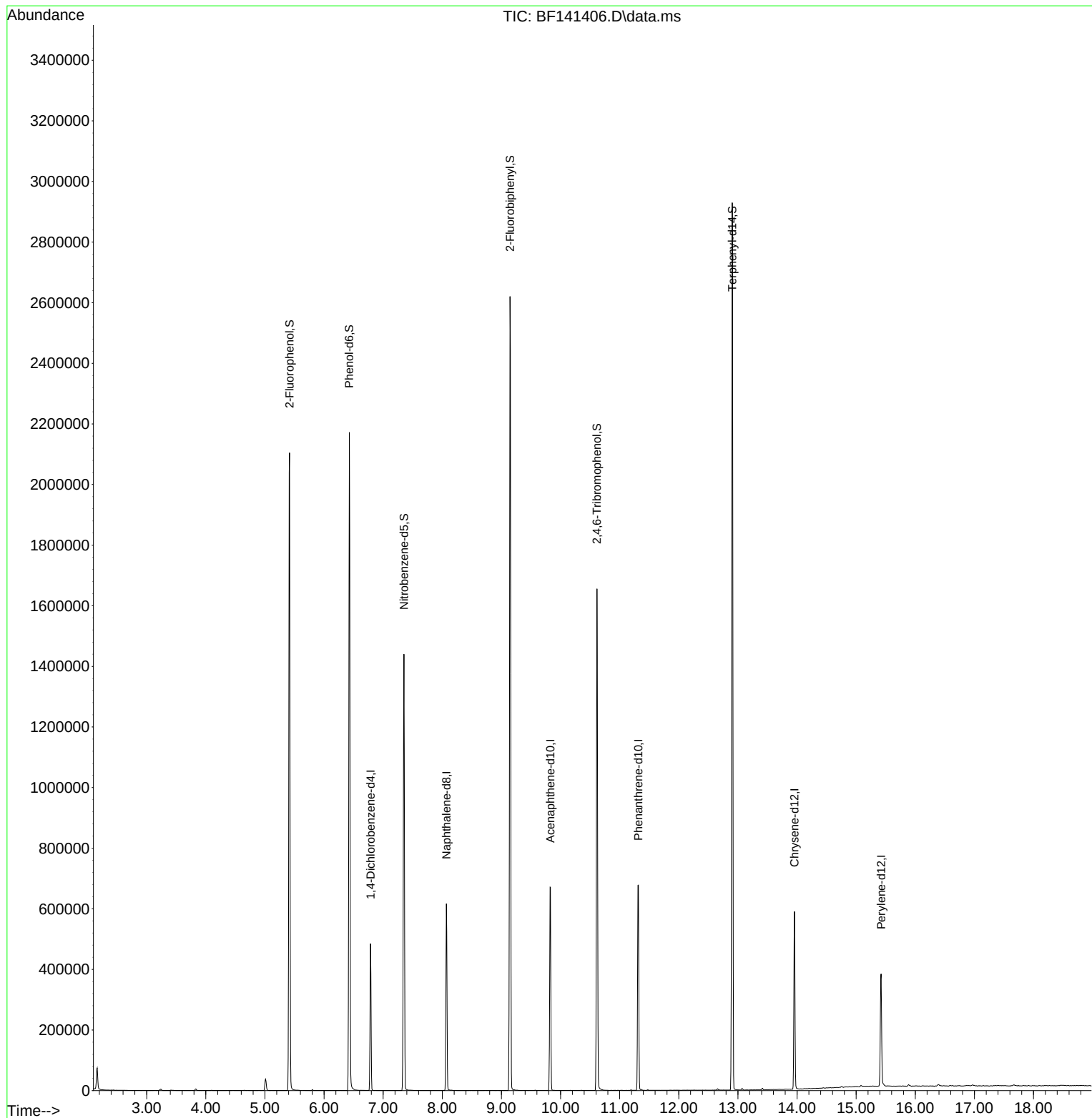
Target Compounds	Qvalue

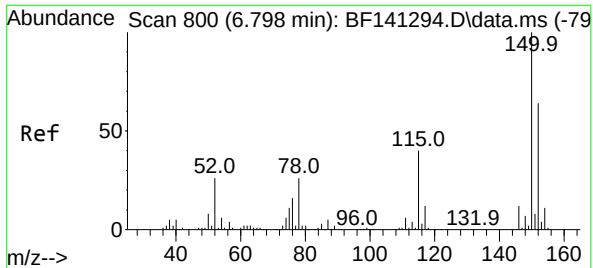
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141406.D
Acq On : 04 Feb 2025 14:13
Operator : RC/JU
Sample : PB166356TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166356TB

Quant Time: Feb 04 14:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

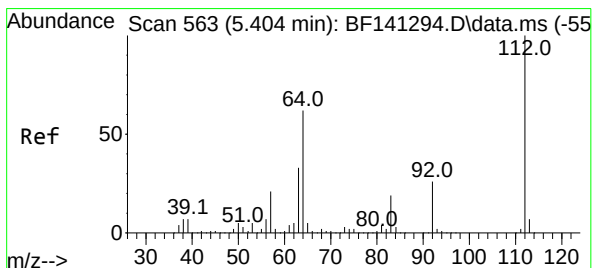
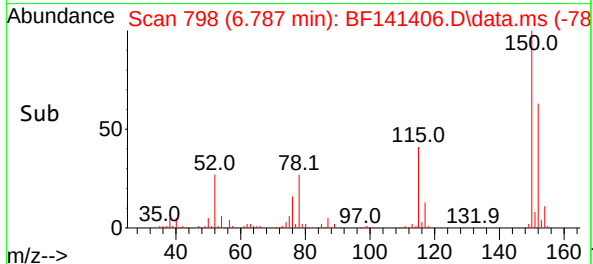
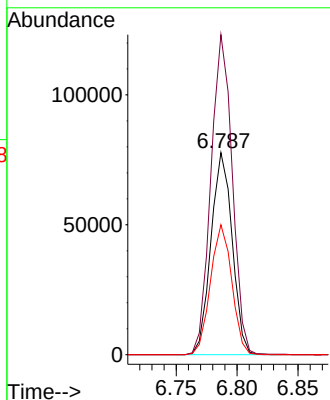
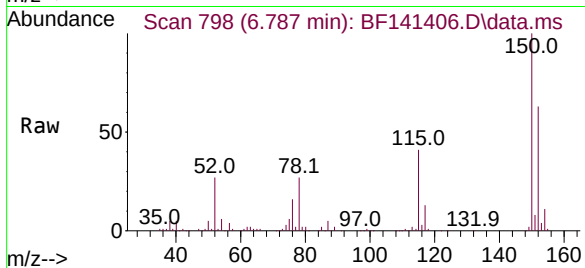




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

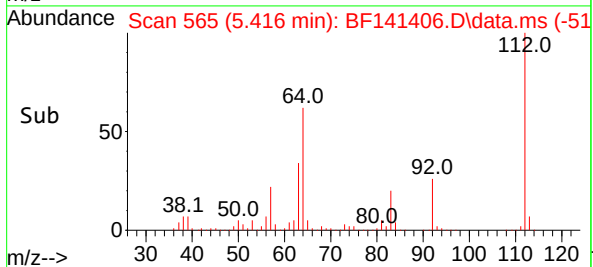
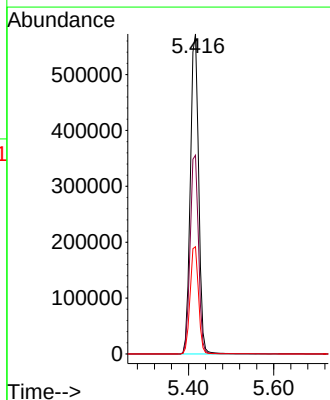
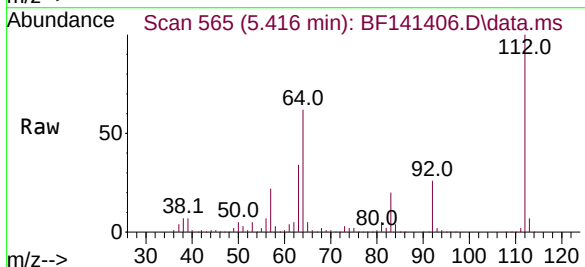
Instrument :
BNA_F
ClientSampleId :
PB166356TB

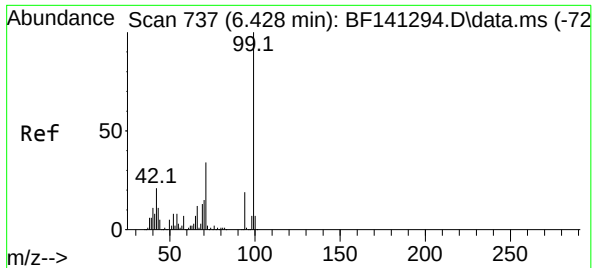
Tgt Ion:152 Resp: 94457
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 64.2 49.7 74.5



#5
2-Fluorophenol
Concen: 126.082 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion:112 Resp: 775752
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 33.5 26.1 39.1

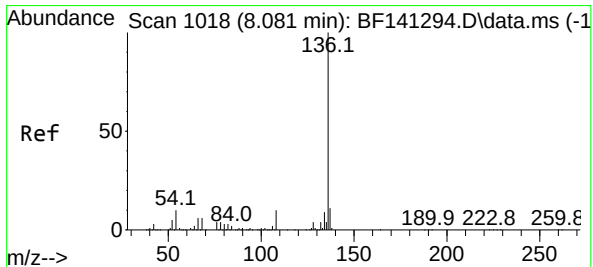
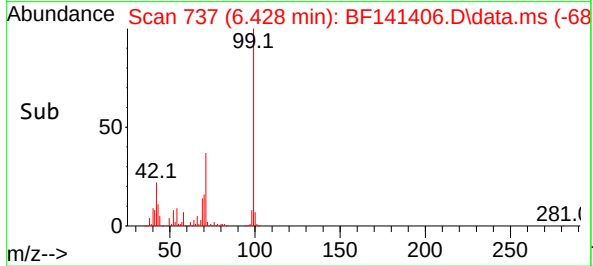
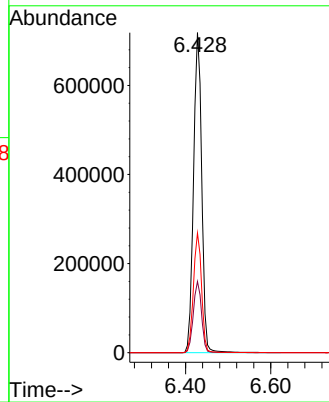
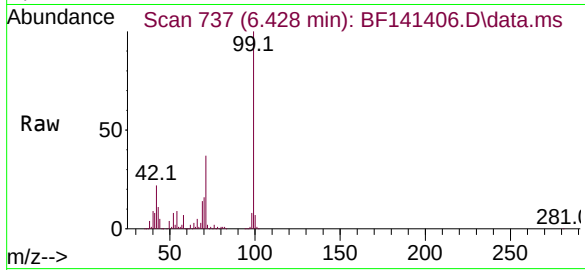




#7
Phenol-d6
Concen: 122.654 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

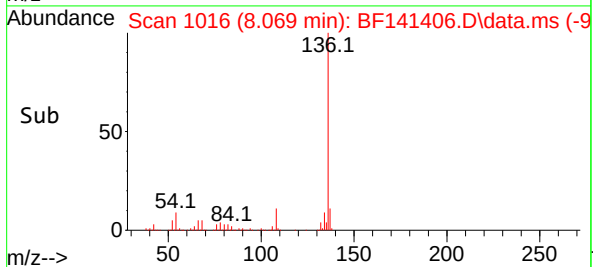
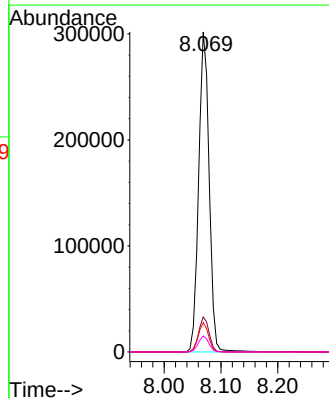
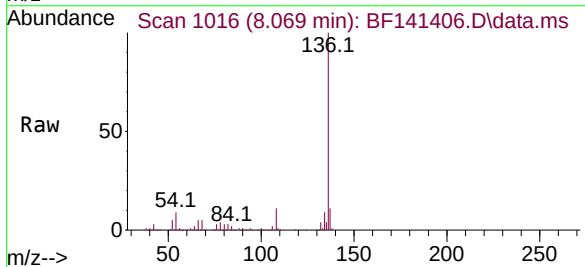
Instrument :
BNA_F
ClientSampleId :
PB166356TB

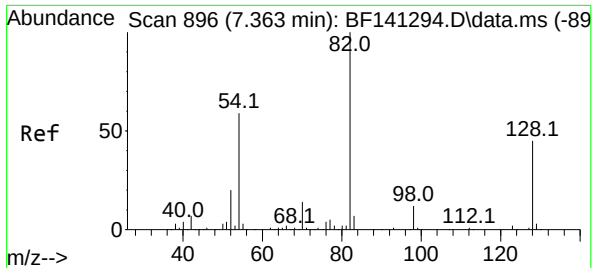
Tgt Ion: 99 Resp: 960023
Ion Ratio Lower Upper
99 100
42 22.3 17.1 25.7
71 37.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion: 136 Resp: 389015
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.2 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 86.461 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

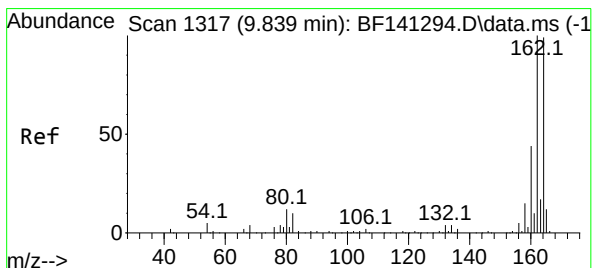
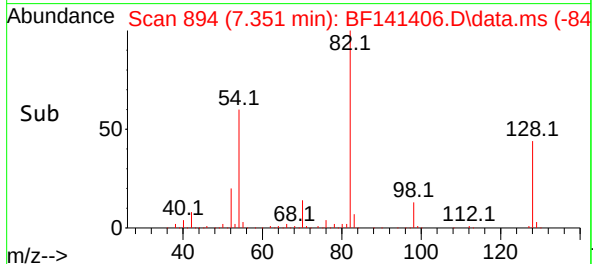
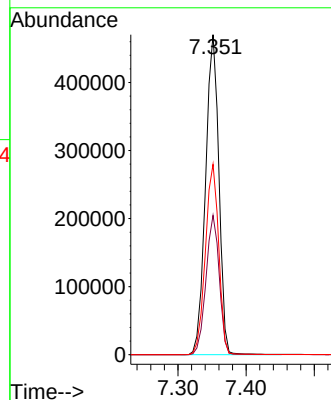
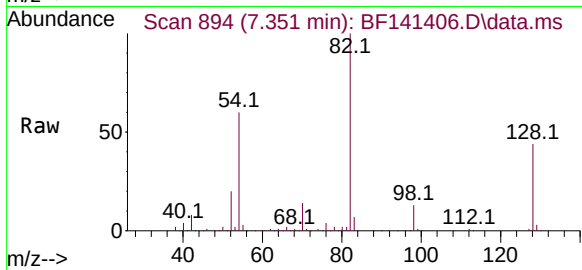
Tgt Ion: 82 Resp: 638025

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 59.5 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

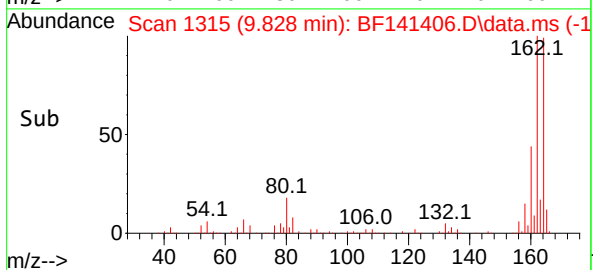
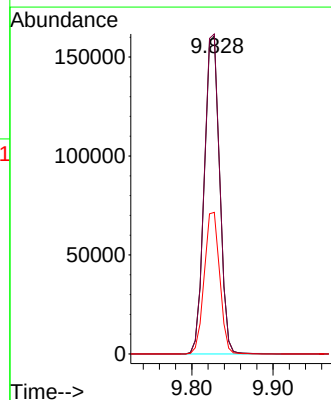
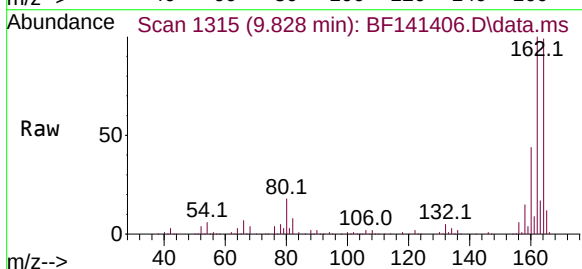
Tgt Ion:164 Resp: 210477

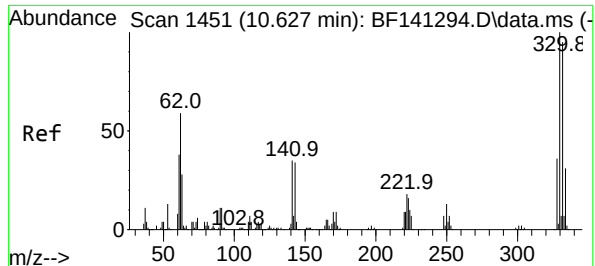
Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 135.611 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF141406.D

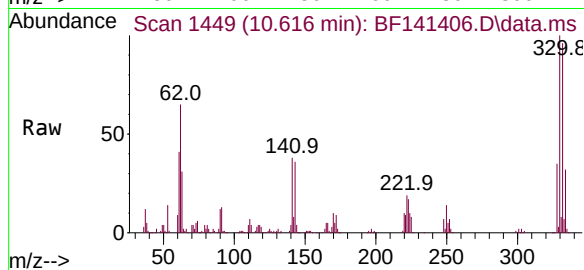
Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB



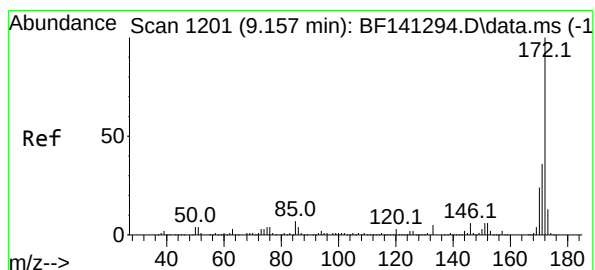
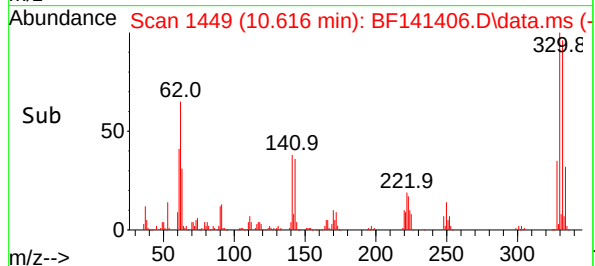
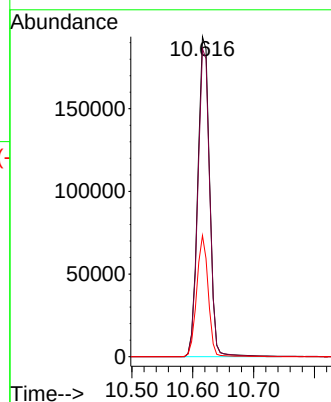
Tgt Ion:330 Resp: 261673

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

141 36.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 86.232 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

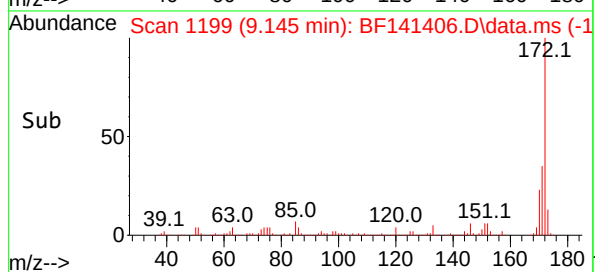
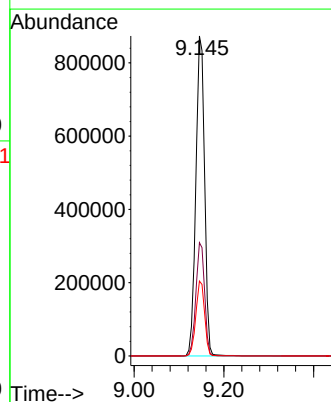
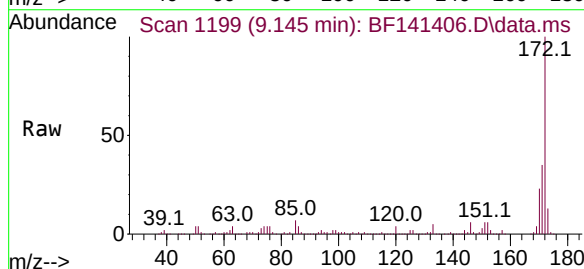
Tgt Ion:172 Resp: 1179184

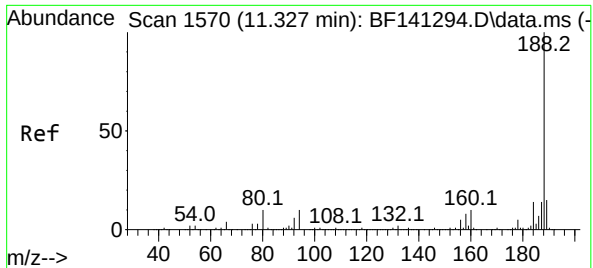
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

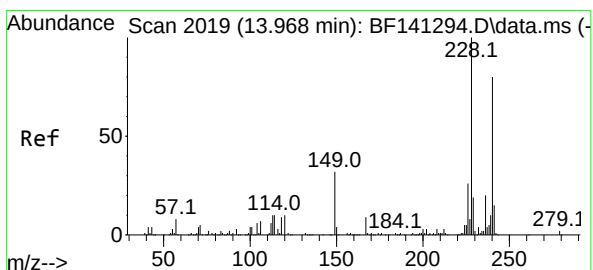
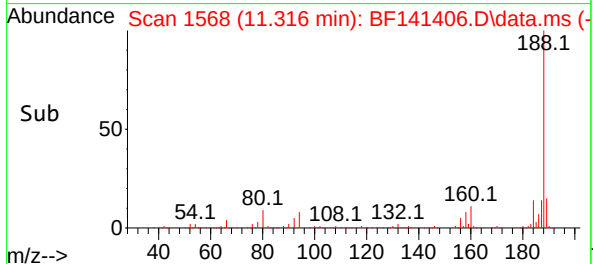
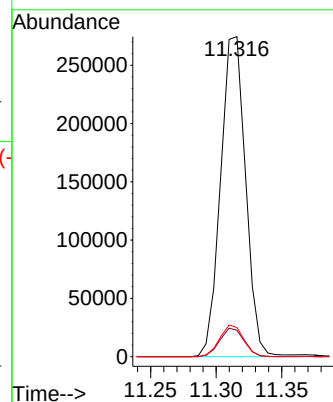
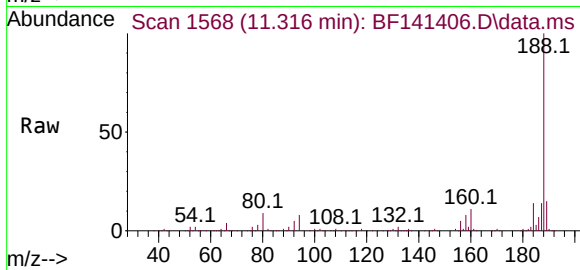
Tgt Ion:188 Resp: 363737

Ion Ratio Lower Upper

188 100

94 8.3 7.8 11.6

80 9.1 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

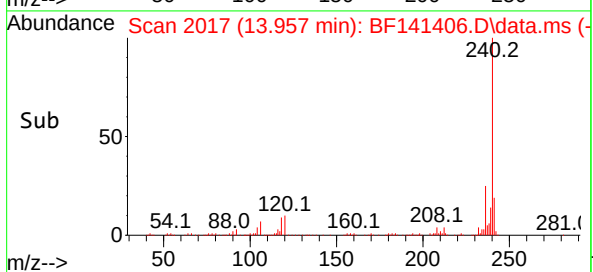
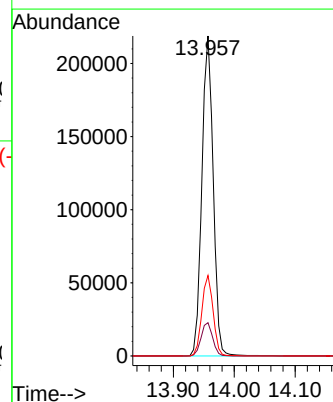
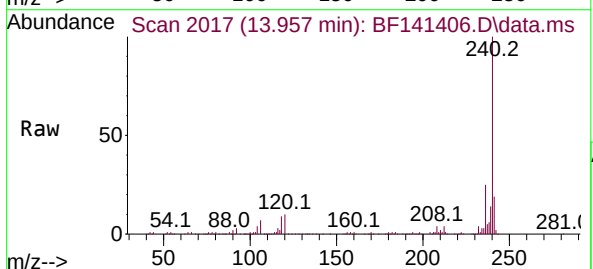
Tgt Ion:240 Resp: 282057

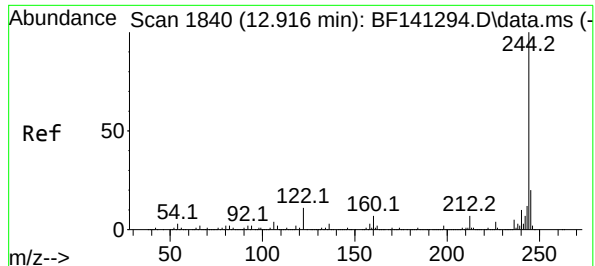
Ion Ratio Lower Upper

240 100

120 10.4 10.0 15.0

236 25.2 19.7 29.5





#79

Terphenyl-d14

Concen: 80.109 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

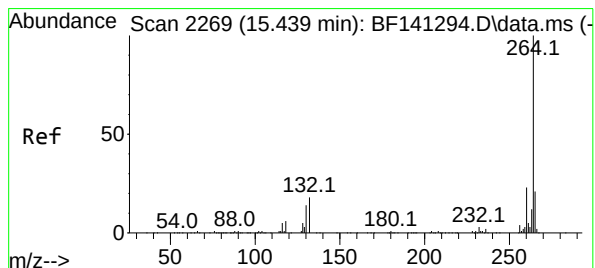
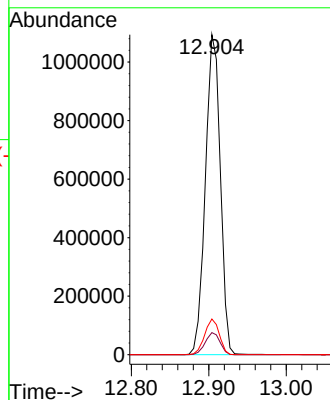
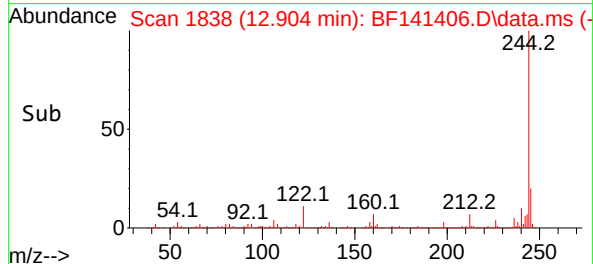
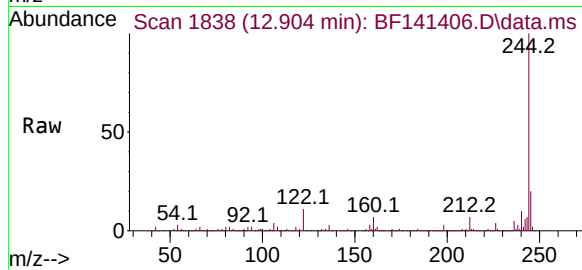
Tgt Ion:244 Resp: 1465153

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 11.2 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

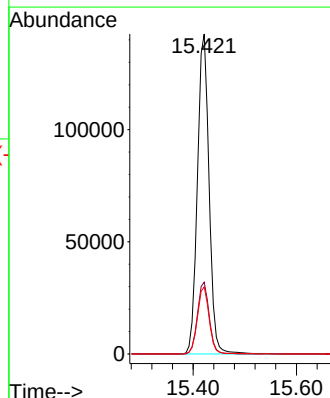
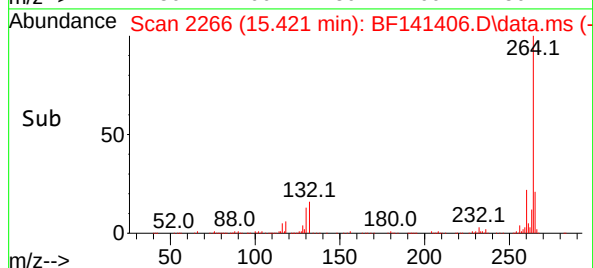
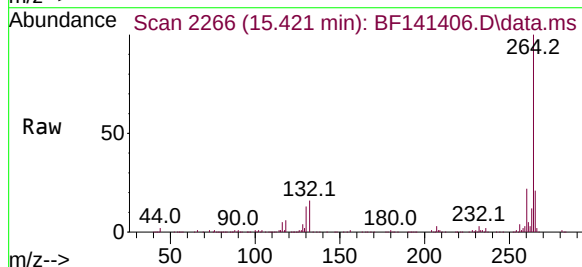
Tgt Ion:264 Resp: 223254

Ion Ratio Lower Upper

264 100

260 22.4 18.6 27.8

265 21.0 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-04	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
BF141380.D	1	01/31/25 10:29	02/03/25 20:24	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		10 - 139	90%	SPK: 150
13127-88-3	Phenol-d6	131		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		49 - 133	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		52 - 132	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		44 - 137	111%	SPK: 150
1718-51-0	Terphenyl-d14	99.5		48 - 125	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	93200	6.792			
1146-65-2	Naphthalene-d8	363000	8.075			
15067-26-2	Acenaphthene-d10	195000	9.828			
1517-22-2	Phenanthrene-d10	334000	11.316			
1719-03-5	Chrysene-d12	224000	13.957			
1520-96-3	Perylene-d12	156000	15.41			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-04	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
BF141380.D	1	01/31/25 10:29	02/03/25 20:24	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BF020325\
Data File : BF141380.D
Acq On : 03 Feb 2025 20:24
Operator : RC/JU
Sample : Q1232-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Quant Time: Feb 04 00:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	93170	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	362646	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	194869	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	333909	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	223983	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	156310	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	818535	134.874	ng	0.02
7) Phenol-d6	6.439	99	1012812	131.186	ng	0.00
23) Nitrobenzene-d5	7.357	82	739340	107.475	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	297339	166.437	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1290051	101.896	ng	-0.01
79) Terphenyl-d14	12.910	244	1445644	99.537	ng	0.00

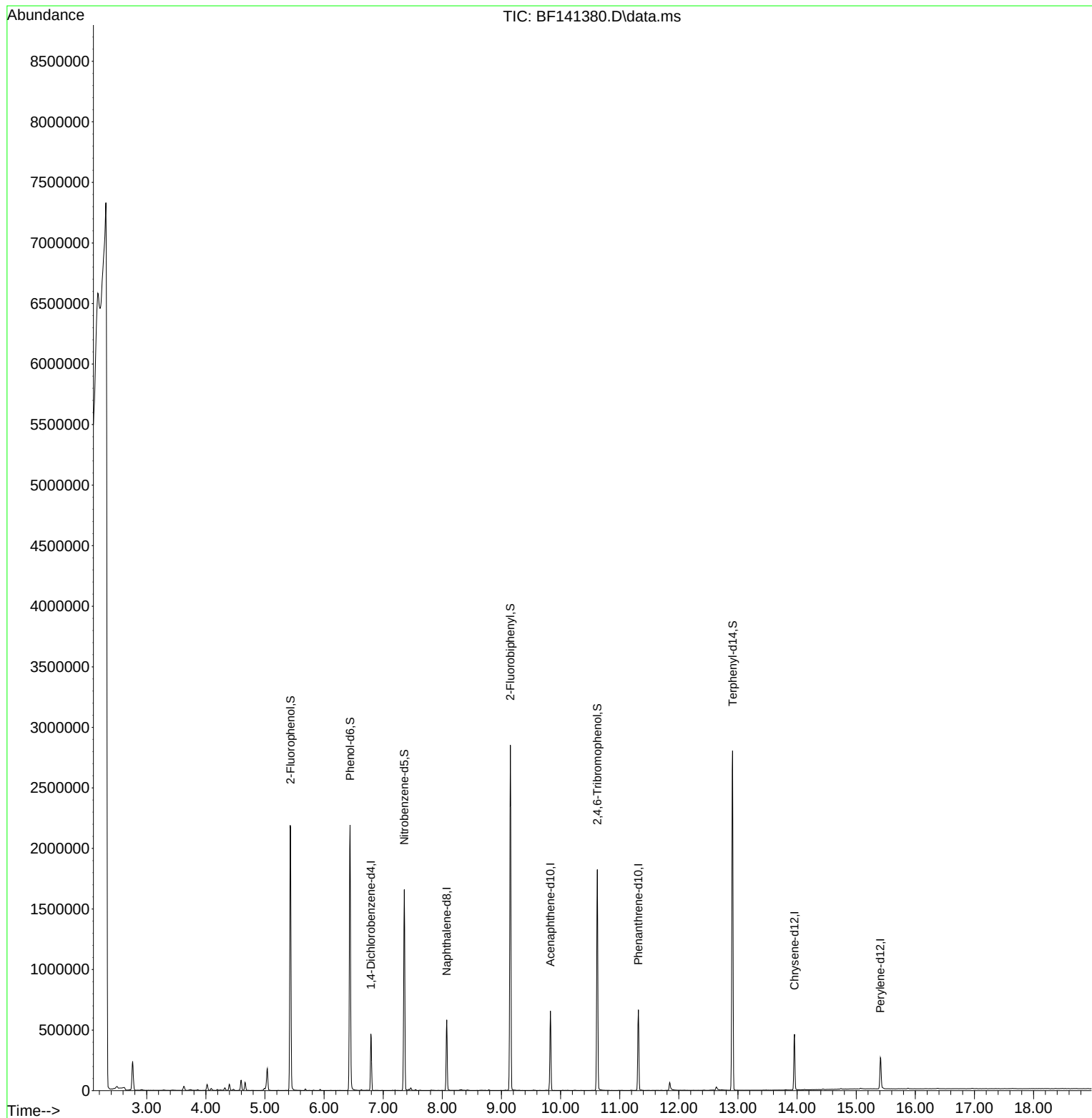
Target Compounds	Qvalue

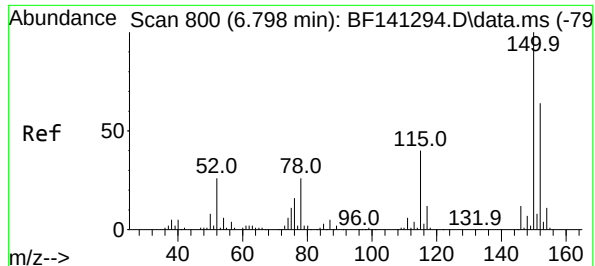
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141380.D
Acq On : 03 Feb 2025 20:24
Operator : RC/JU
Sample : Q1232-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Quant Time: Feb 04 00:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

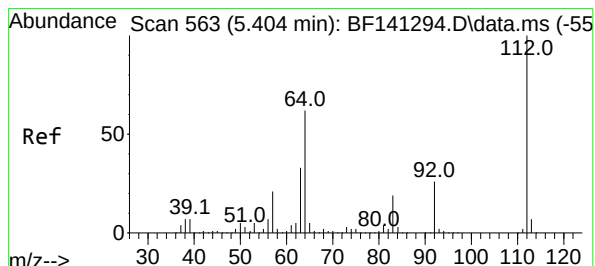
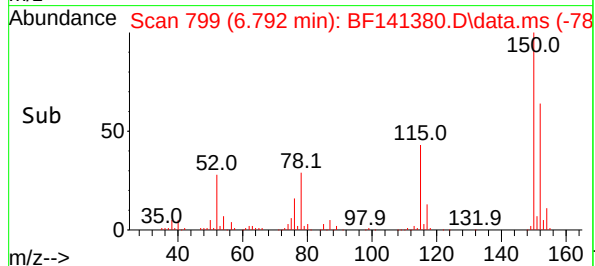
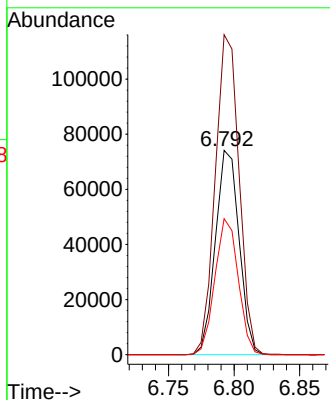
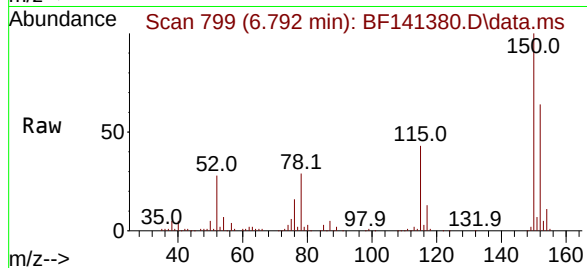




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

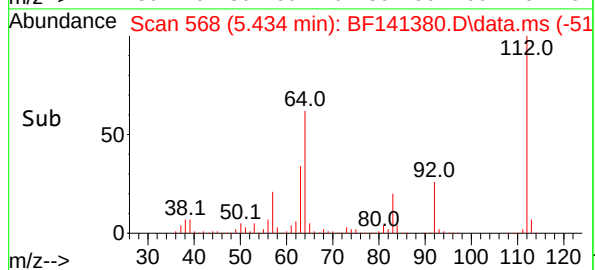
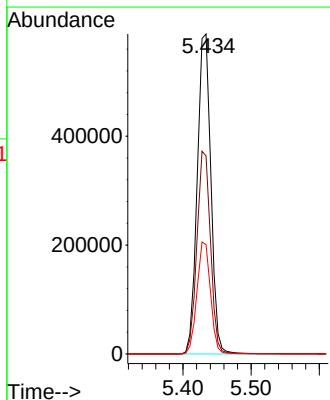
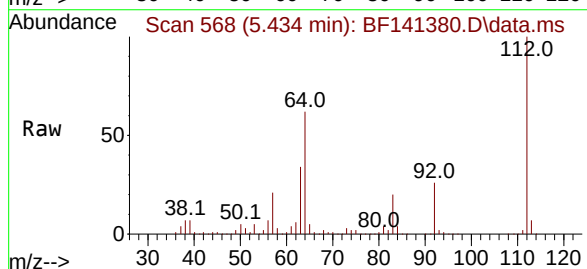
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

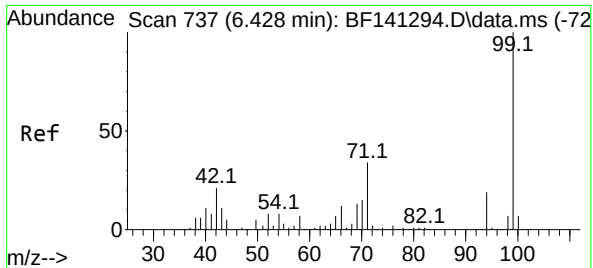
Tgt Ion:152 Resp: 93170
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 66.6 49.7 74.5



#5
2-Fluorophenol
Concen: 134.874 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

Tgt Ion:112 Resp: 818535
Ion Ratio Lower Upper
112 100
64 61.9 49.8 74.8
63 34.1 26.1 39.1

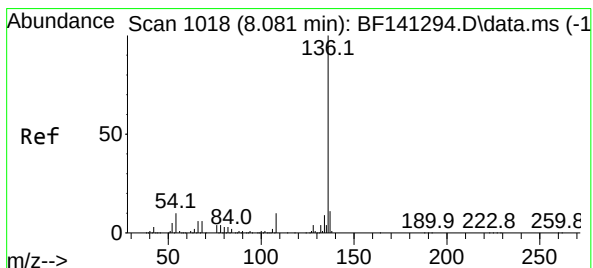
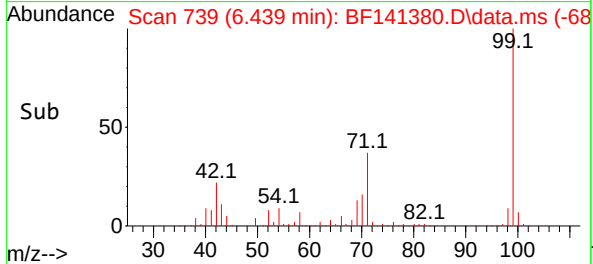
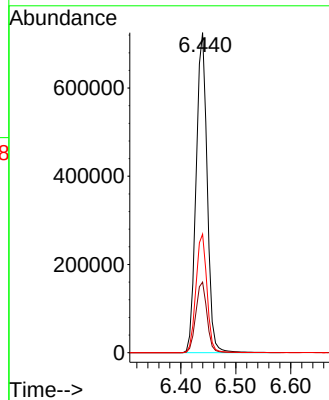
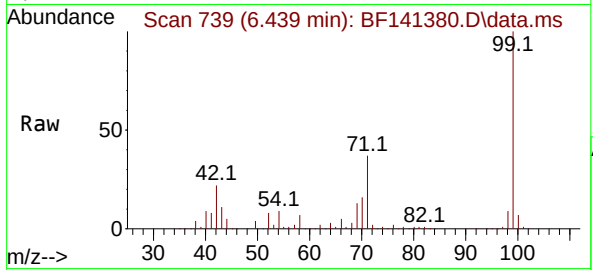




#7
Phenol-d6
Concen: 131.186 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

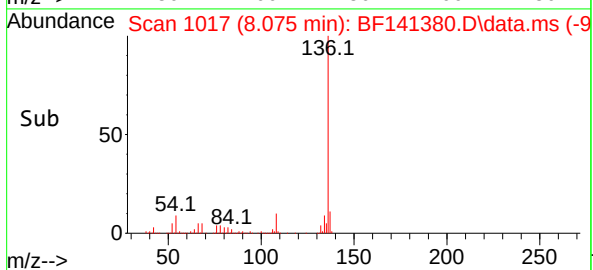
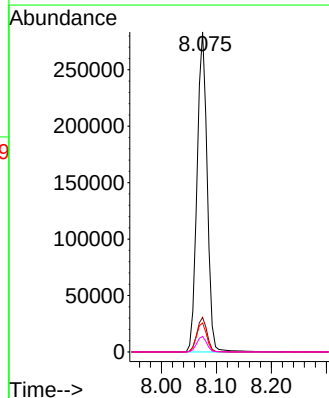
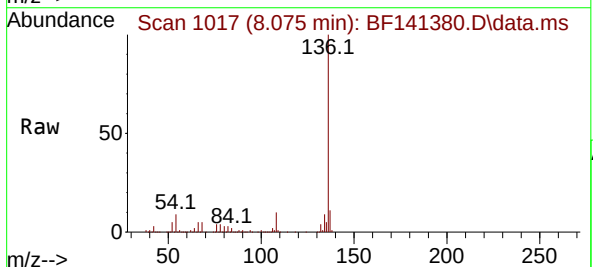
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

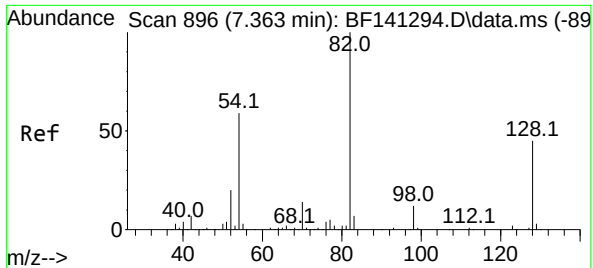
Tgt Ion: 99 Resp: 1012812
Ion Ratio Lower Upper
99 100
42 22.0 17.1 25.7
71 37.0 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

Tgt Ion: 136 Resp: 362646
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 107.475 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141380.D

Acq: 03 Feb 2025 20:24

Instrument :

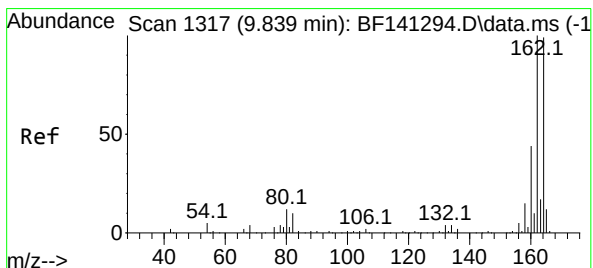
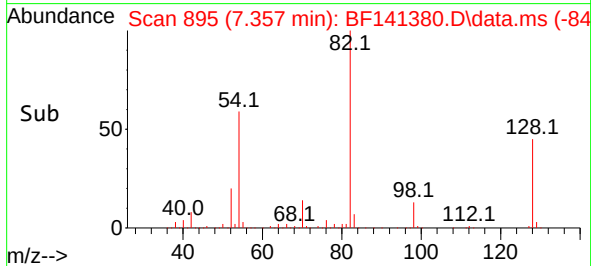
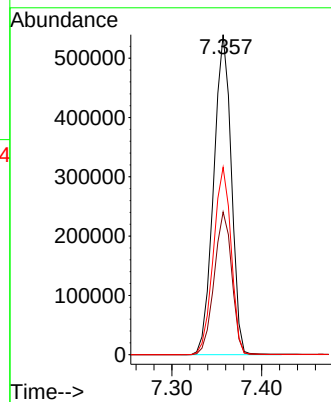
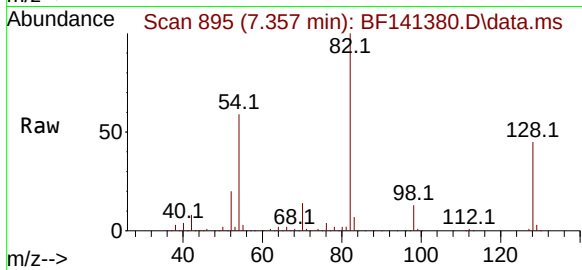
BNA_F

ClientSampleId :

JPP-46.2-012925

Tgt Ion: 82 Resp: 739340

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.5	47.1	70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

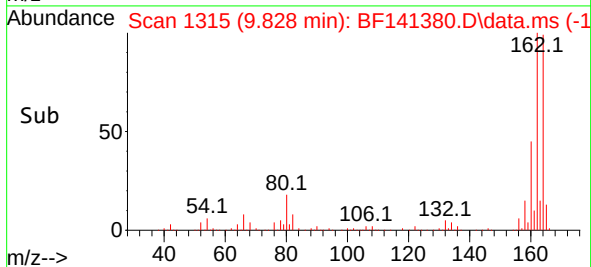
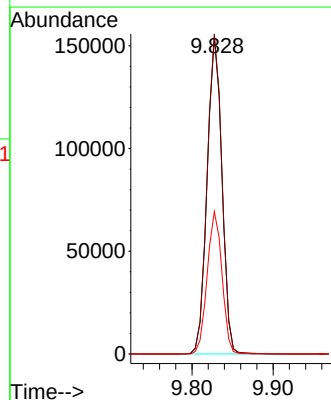
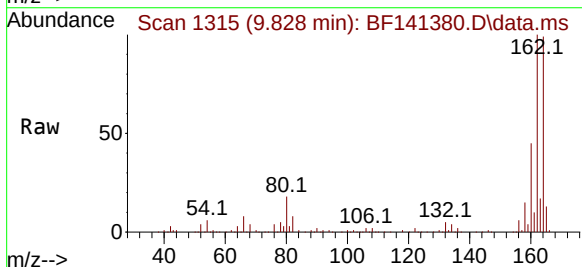
Delta R.T. -0.012 min

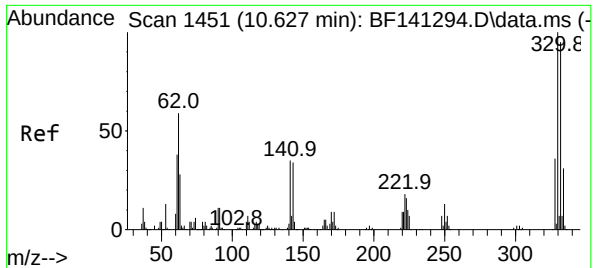
Lab File: BF141380.D

Acq: 03 Feb 2025 20:24

Tgt Ion:164 Resp: 194869

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	121.0
160	45.0	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 166.437 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141380.D

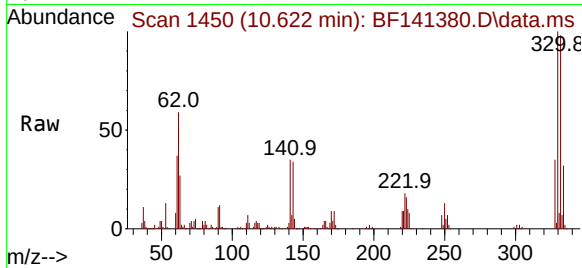
Acq: 03 Feb 2025 20:24

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925



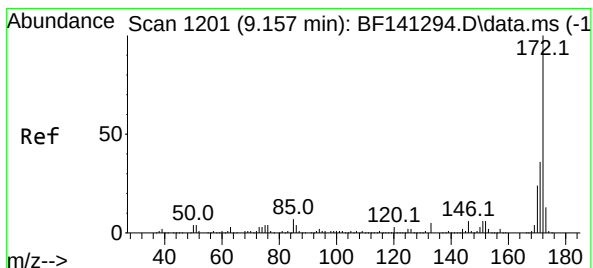
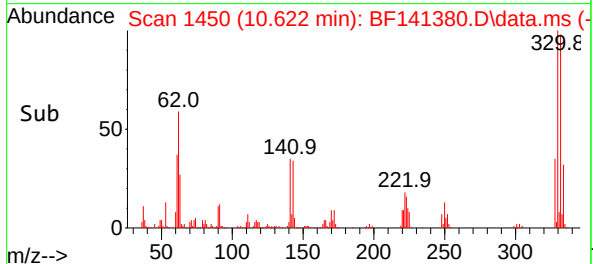
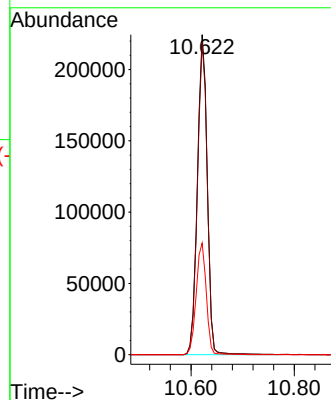
Tgt Ion:330 Resp: 297339

Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 35.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 101.896 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141380.D

Acq: 03 Feb 2025 20:24

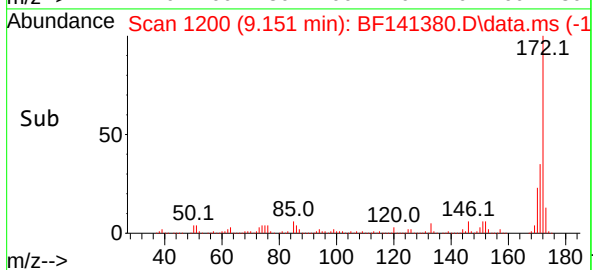
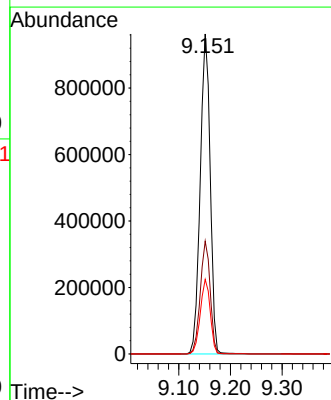
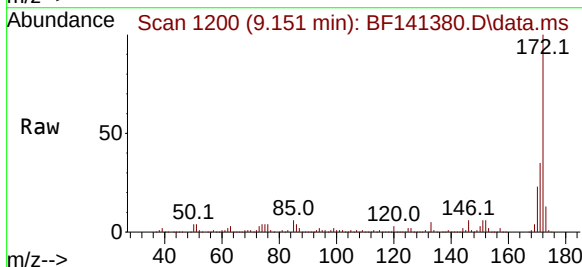
Tgt Ion:172 Resp: 1290051

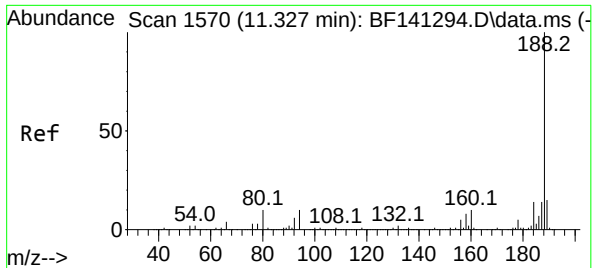
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.3 19.0 28.6

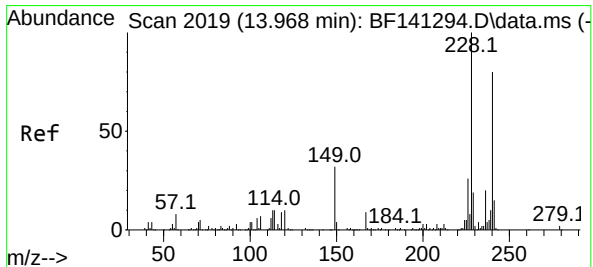
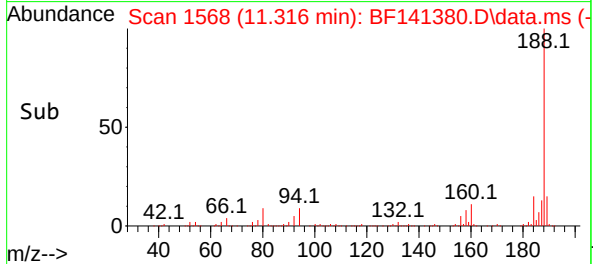
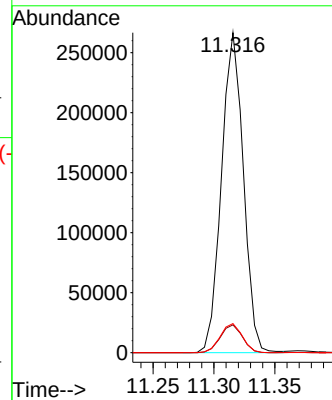
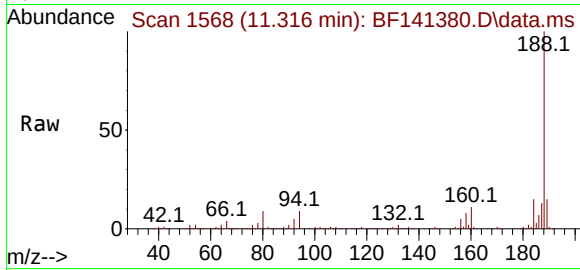




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

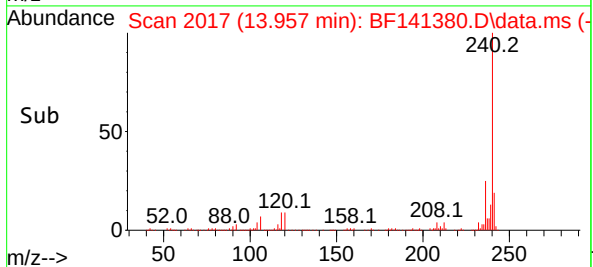
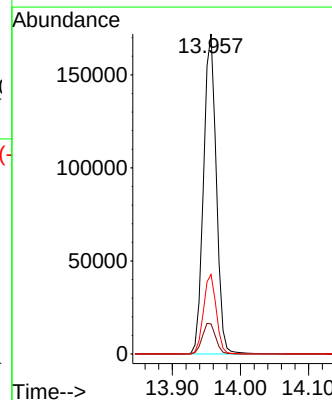
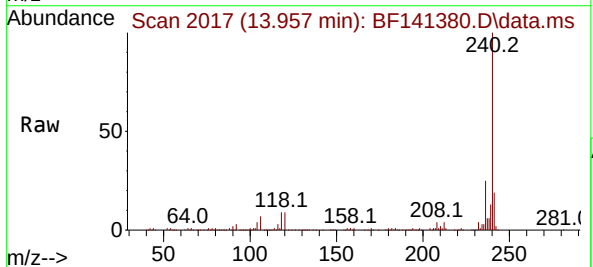
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

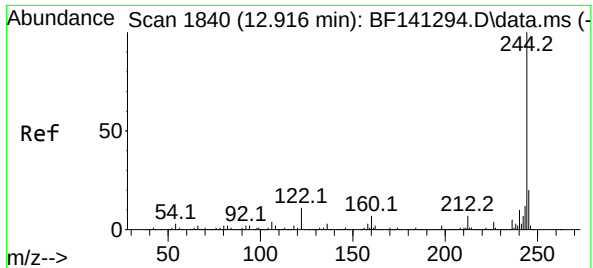
Tgt Ion:188 Resp: 333909
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.1 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

Tgt Ion:240 Resp: 223983
Ion Ratio Lower Upper
240 100
120 9.4 10.0 15.0#
236 24.8 19.7 29.5

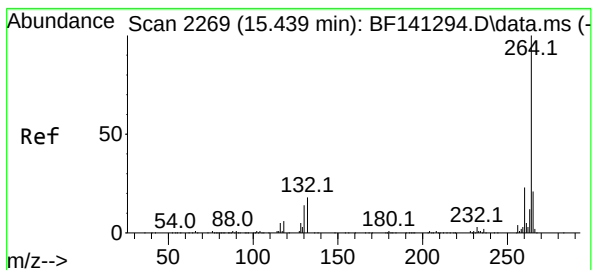
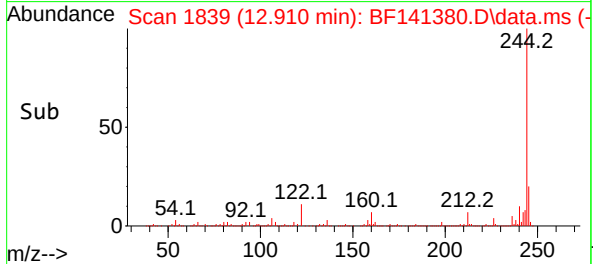
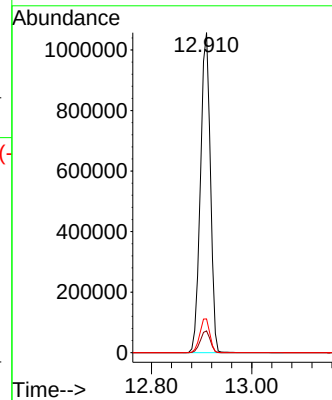
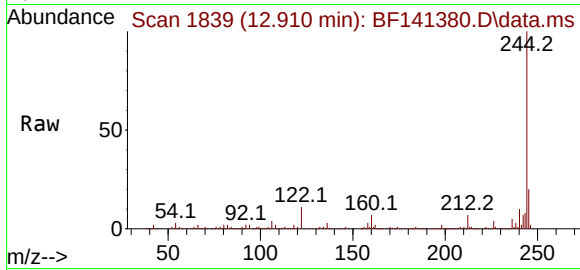




#79
Terphenyl-d14
Concen: 99.537 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

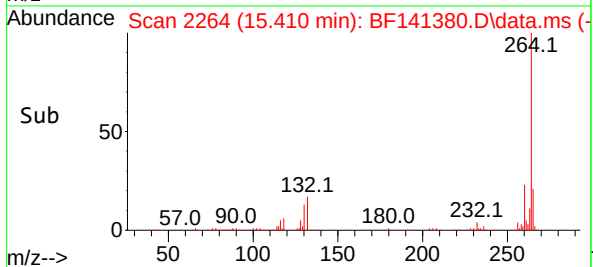
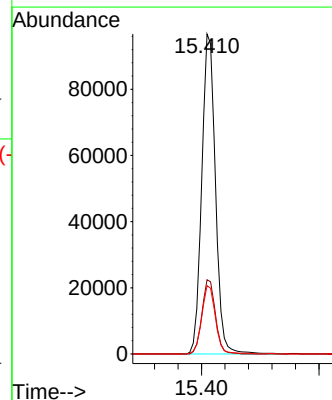
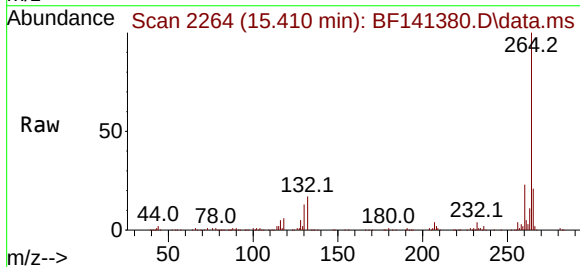
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Tgt Ion:244 Resp: 1445644
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.6 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141380.D
Acq: 03 Feb 2025 20:24

Tgt Ion:264 Resp: 156310
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.3 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-08	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
BF141381.D	1	01/31/25 10:29	02/03/25 20:51	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		49 - 133	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.8		52 - 132	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	164		44 - 137	109%	SPK: 150
1718-51-0	Terphenyl-d14	98.5		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86900	6.793			
1146-65-2	Naphthalene-d8	345000	8.075			
15067-26-2	Acenaphthene-d10	192000	9.828			
1517-22-2	Phenanthrene-d10	317000	11.316			
1719-03-5	Chrysene-d12	222000	13.957			
1520-96-3	Perylene-d12	160000	15.415			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-08	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
BF141381.D	1	01/31/25 10:29	02/03/25 20:51	PB166426

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\BF020325\
Data File : BF141381.D
Acq On : 03 Feb 2025 20:51
Operator : RC/JU
Sample : Q1232-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Quant Time: Feb 04 00:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	86900	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	344884	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	192037	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	317485	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	222096	20.000	ng	-0.02
86) Perylene-d12	15.415	264	159639	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	772200	136.419	ng	0.02
7) Phenol-d6	6.440	99	931469	129.355	ng	0.00
23) Nitrobenzene-d5	7.357	82	691440	105.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	287914	163.538	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1245472	99.825	ng	-0.01
79) Terphenyl-d14	12.910	244	1418553	98.501	ng	0.00

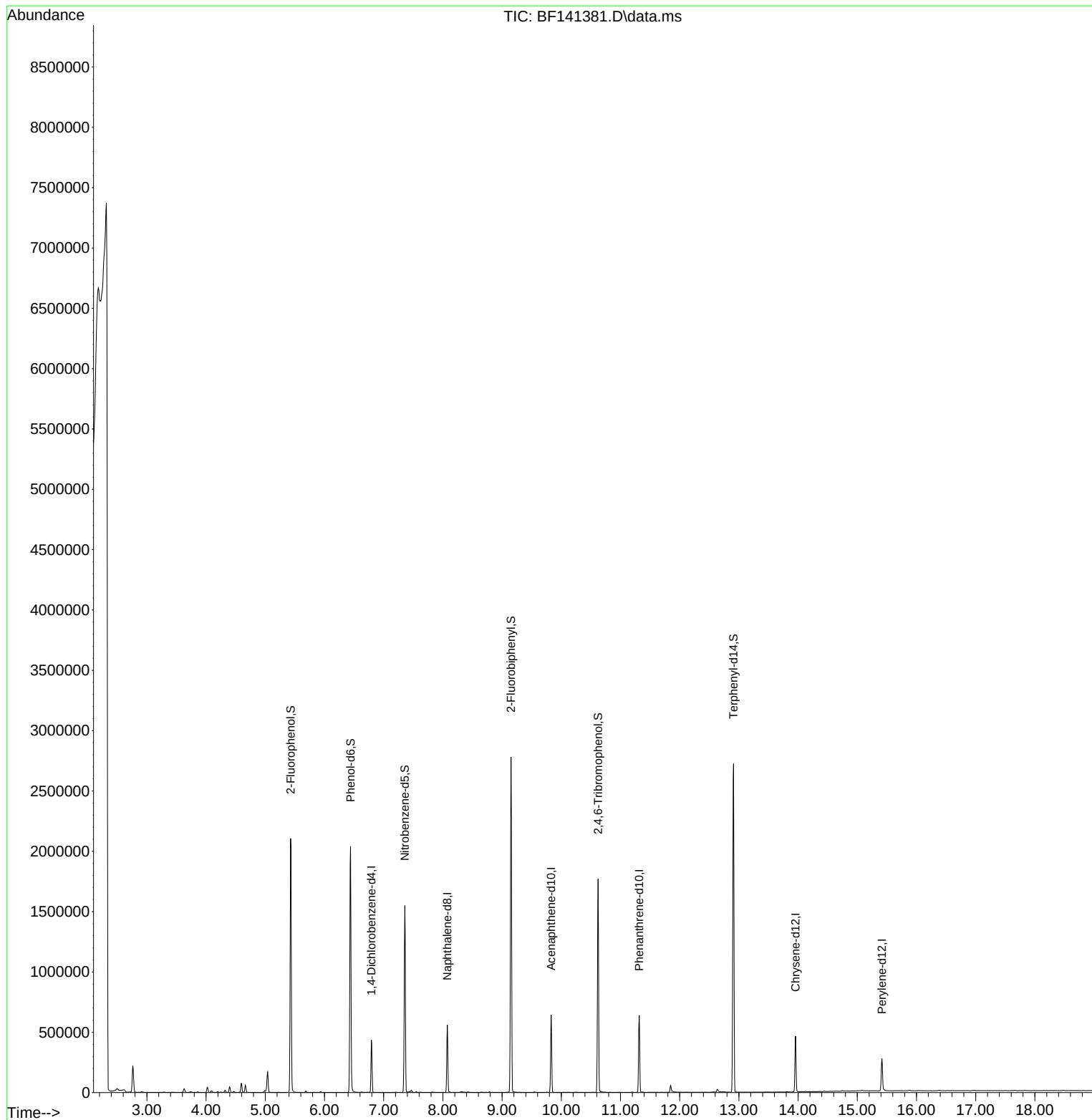
Target Compounds	Qvalue

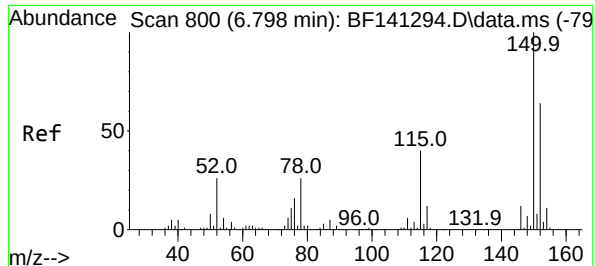
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141381.D
Acq On : 03 Feb 2025 20:51
Operator : RC/JU
Sample : Q1232-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Quant Time: Feb 04 00:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

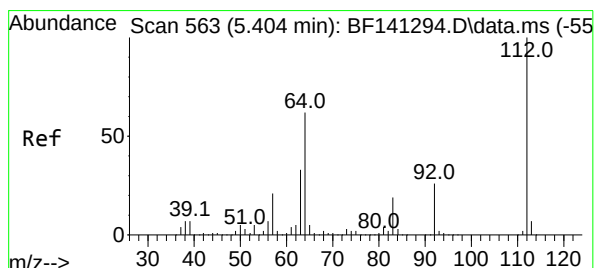
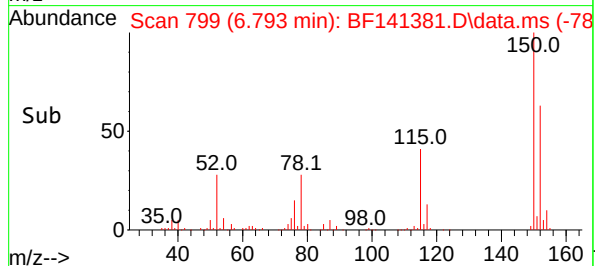
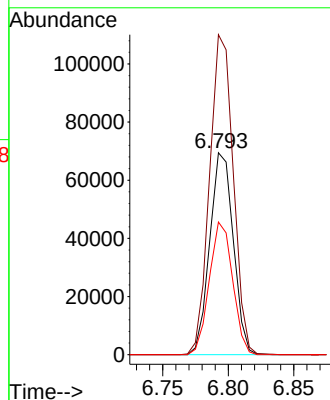
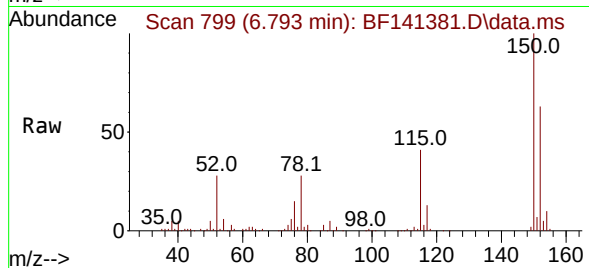




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

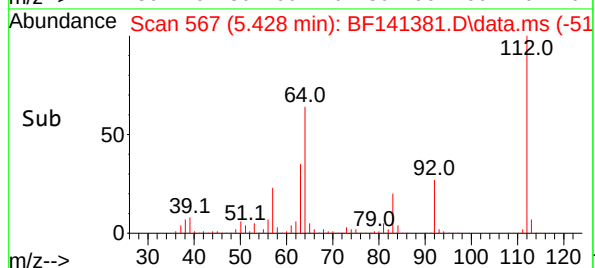
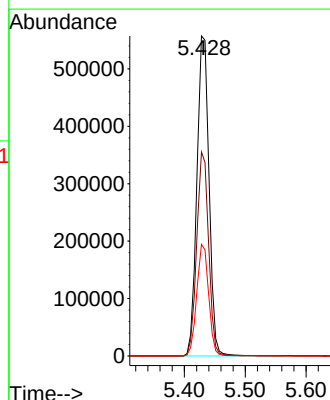
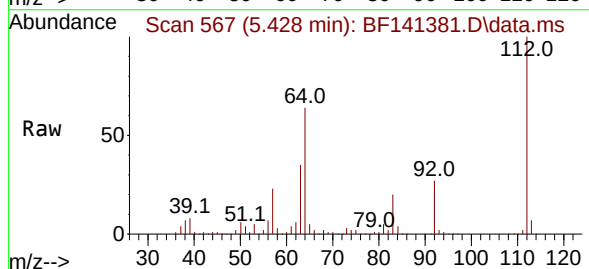
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

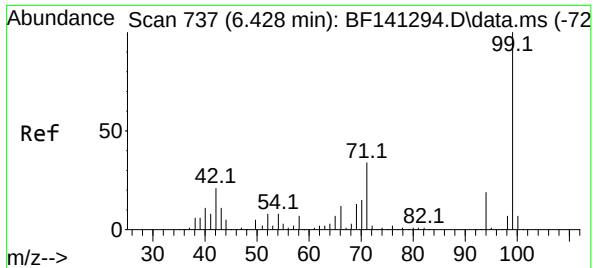
Tgt Ion:152 Resp: 86900
Ion Ratio Lower Upper
152 100
150 158.5 125.9 188.9
115 65.7 49.7 74.5



#5
2-Fluorophenol
Concen: 136.419 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

Tgt Ion:112 Resp: 772200
Ion Ratio Lower Upper
112 100
64 63.8 49.8 74.8
63 34.9 26.1 39.1

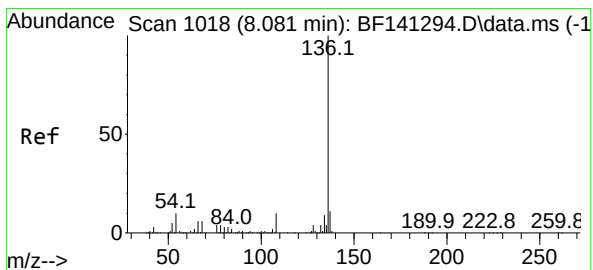
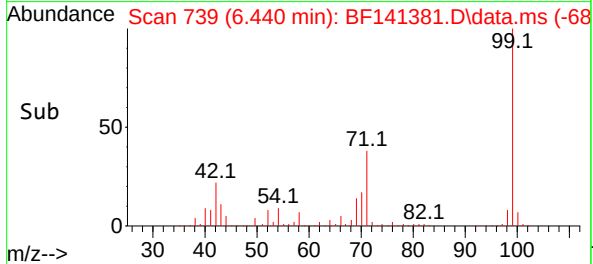
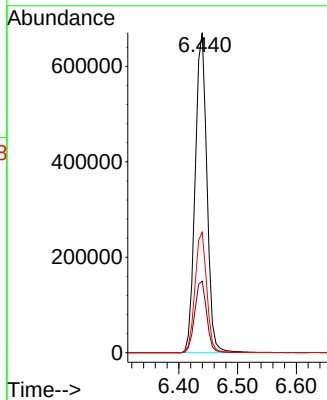
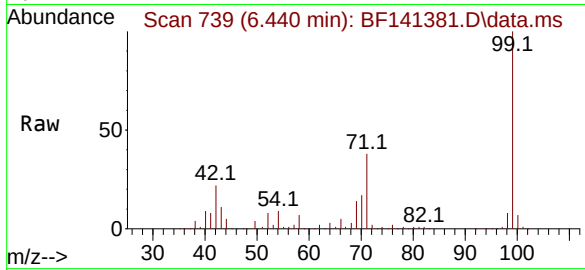




#7
Phenol-d6
Concen: 129.355 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

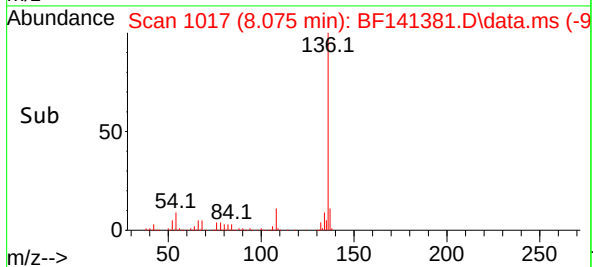
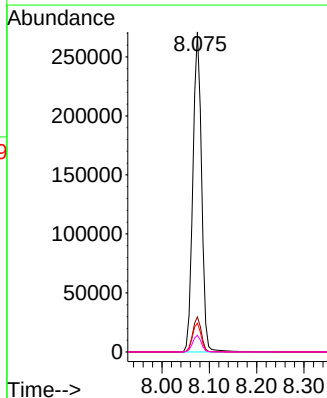
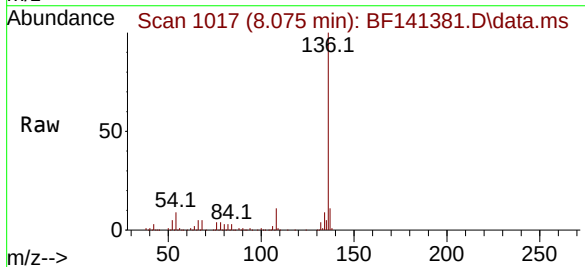
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

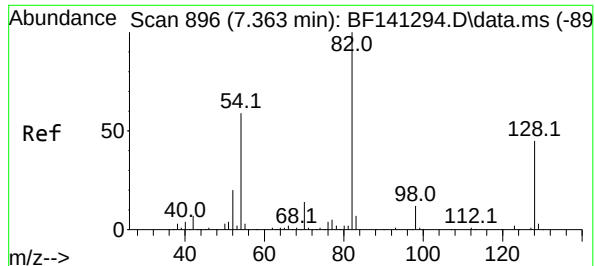
Tgt Ion: 99 Resp: 931469
Ion Ratio Lower Upper
99 100
42 22.4 17.1 25.7
71 37.6 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

Tgt Ion: 136 Resp: 344884
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.8 11.8
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 105.689 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141381.D

Acq: 03 Feb 2025 20:51

Instrument :

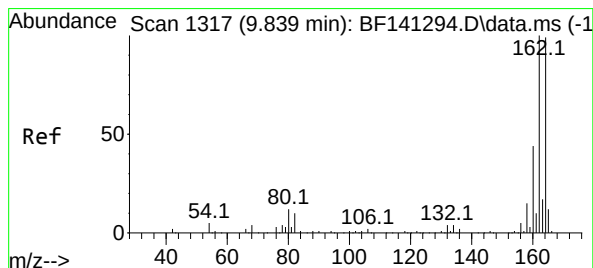
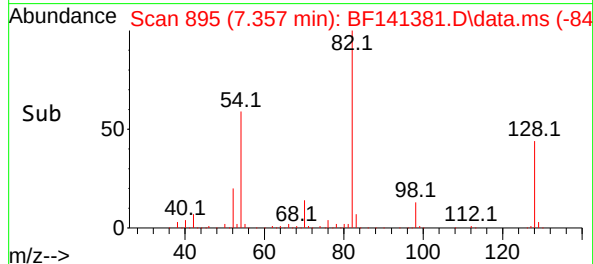
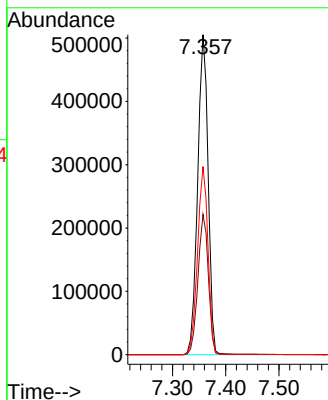
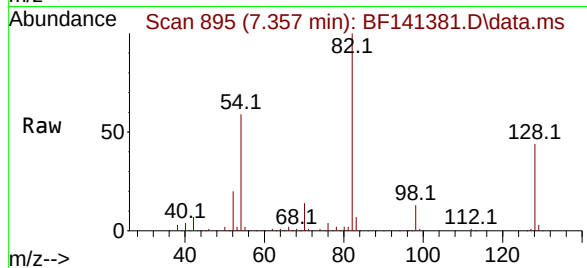
BNA_F

ClientSampleId :

JPP-46.1-012925

Tgt Ion: 82 Resp: 691440

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.7	53.5
54	58.8	47.1	70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

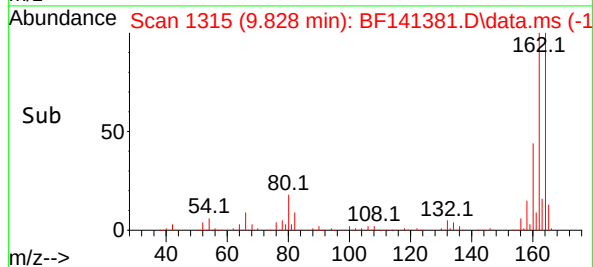
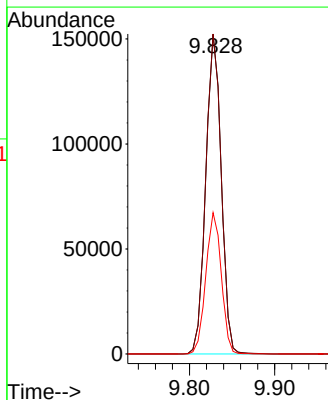
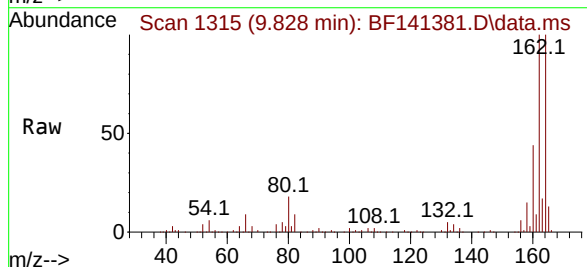
Delta R.T. -0.012 min

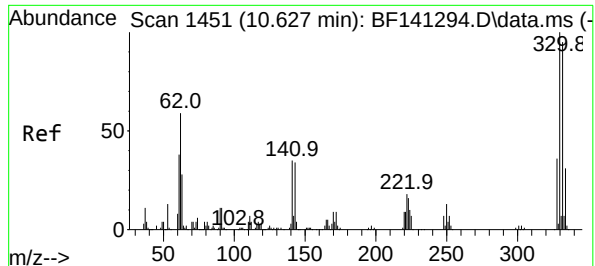
Lab File: BF141381.D

Acq: 03 Feb 2025 20:51

Tgt Ion:164 Resp: 192037

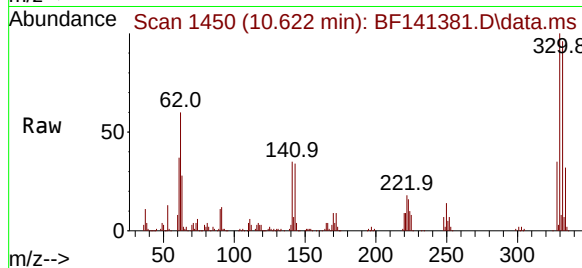
Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.6	121.0
160	44.2	35.8	53.6



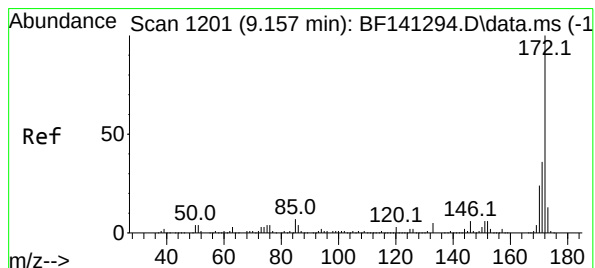
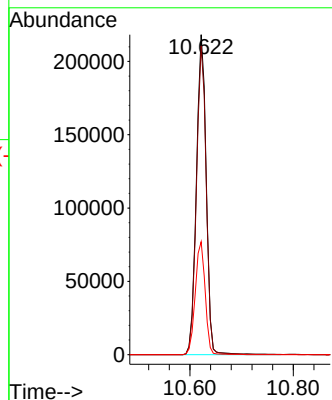
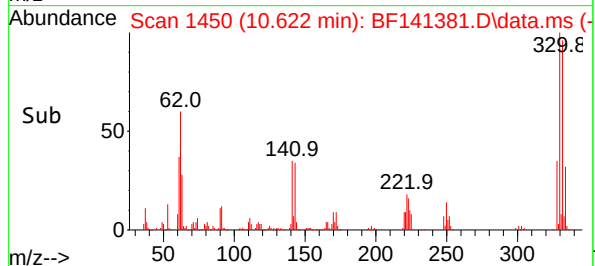


#42
2,4,6-Tribromophenol
Concen: 163.538 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

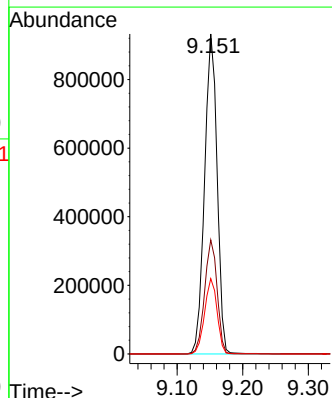
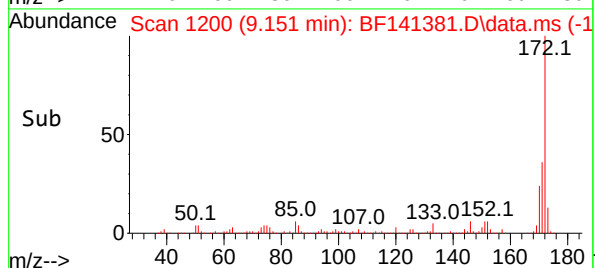
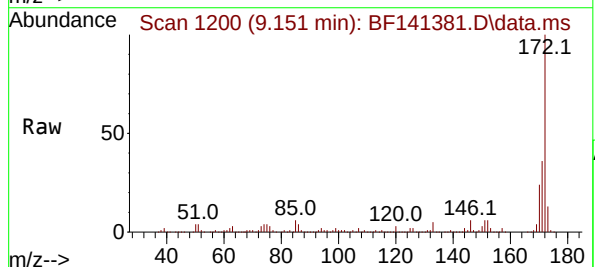


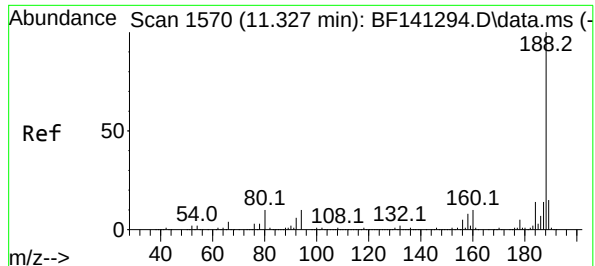
Tgt Ion:330 Resp: 287914
Ion Ratio Lower Upper
330 100
332 95.8 76.1 114.1
141 35.7 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 99.825 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

Tgt Ion:172 Resp: 1245472
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.6 19.0 28.6

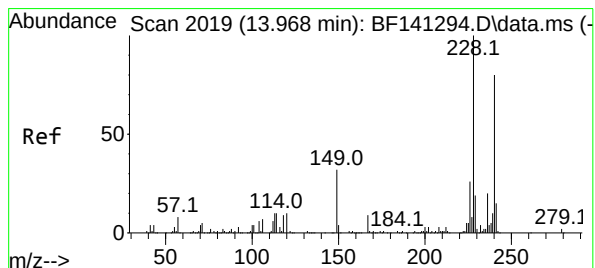
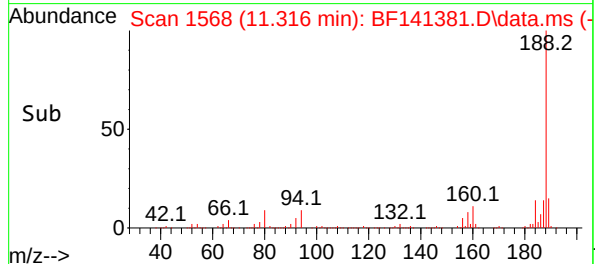
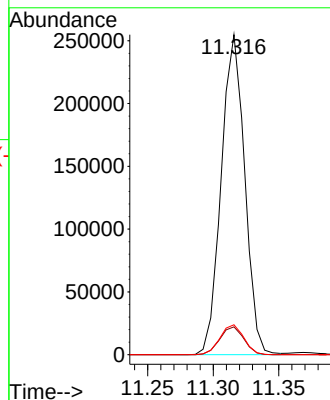
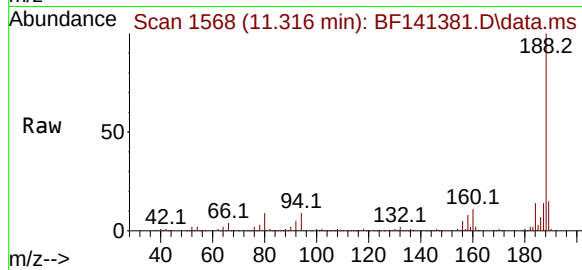




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

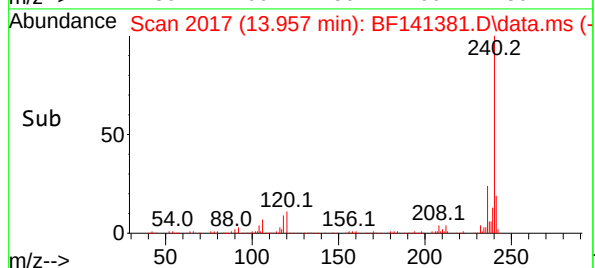
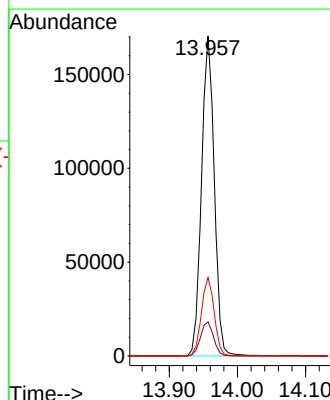
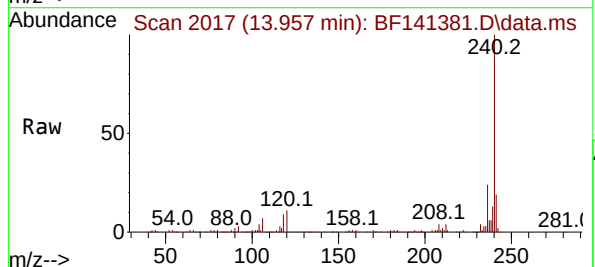
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

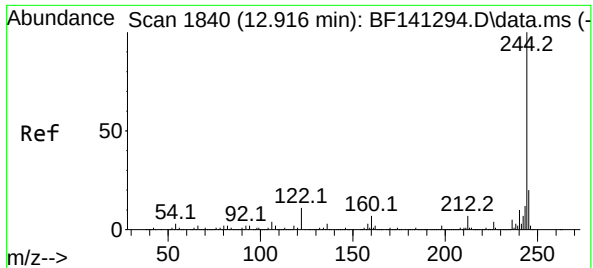
Tgt Ion:188 Resp: 317485
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.4 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

Tgt Ion:240 Resp: 222096
Ion Ratio Lower Upper
240 100
120 10.6 10.0 15.0
236 24.5 19.7 29.5

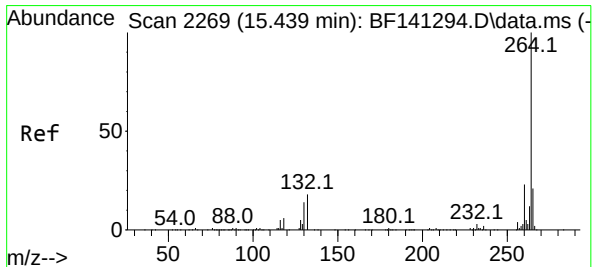
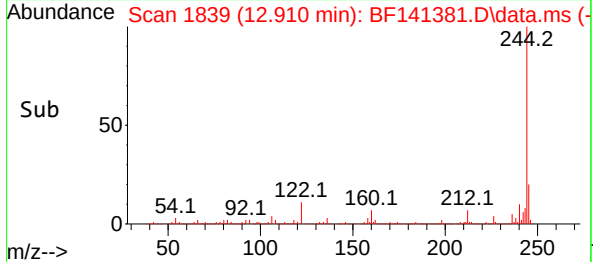
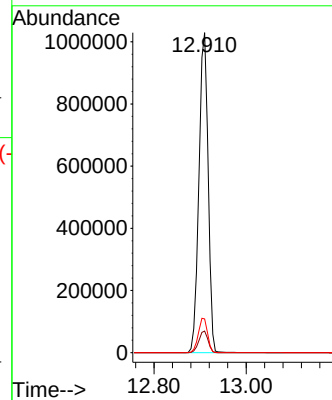
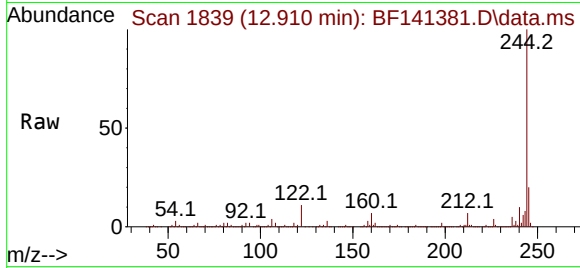




#79
Terphenyl-d14
Concen: 98.501 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

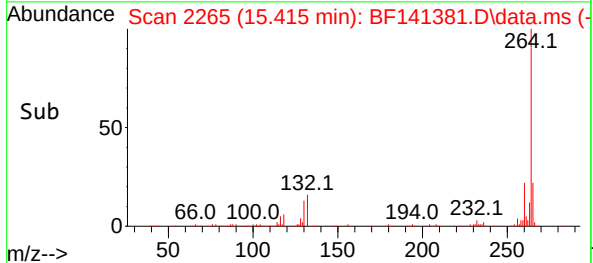
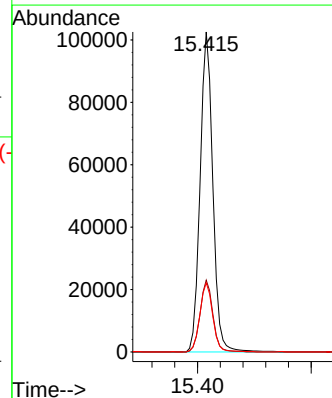
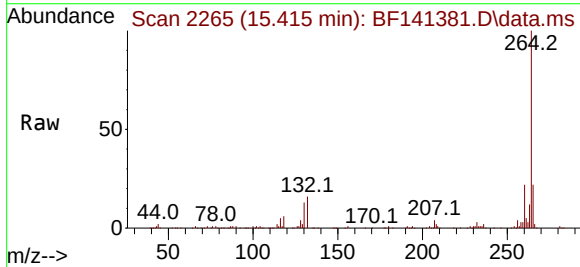
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Tgt Ion:244 Resp: 1418553
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.6 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141381.D
Acq: 03 Feb 2025 20:51

Tgt Ion:264 Resp: 159639
Ion Ratio Lower Upper
264 100
260 22.5 18.6 27.8
265 21.6 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-12	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
BF141382.D	1	01/31/25 10:29	02/03/25 21:17	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		10 - 139	90%	SPK: 150
13127-88-3	Phenol-d6	128		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		49 - 133	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	94.6		48 - 125	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	89100	6.792			
1146-65-2	Naphthalene-d8	352000	8.075			
15067-26-2	Acenaphthene-d10	188000	9.827			
1517-22-2	Phenanthrene-d10	319000	11.316			
1719-03-5	Chrysene-d12	227000	13.957			
1520-96-3	Perylene-d12	161000	15.409			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-12	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
BF141382.D	1	01/31/25 10:29	02/03/25 21:17	PB166426

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\BF020325\
Data File : BF141382.D
Acq On : 03 Feb 2025 21:17
Operator : RC/JU
Sample : Q1232-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

Quant Time: Feb 04 00:19:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	89109	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	351714	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	188139	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	319169	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	226990	20.000	ng	-0.02
86) Perylene-d12	15.409	264	160771	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	781568	134.651	ng	0.02
7) Phenol-d6	6.439	99	943996	127.845	ng	0.00
23) Nitrobenzene-d5	7.357	82	700084	104.932	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	280292	162.507	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1259480	103.040	ng	-0.01
79) Terphenyl-d14	12.910	244	1391951	94.570	ng	0.00

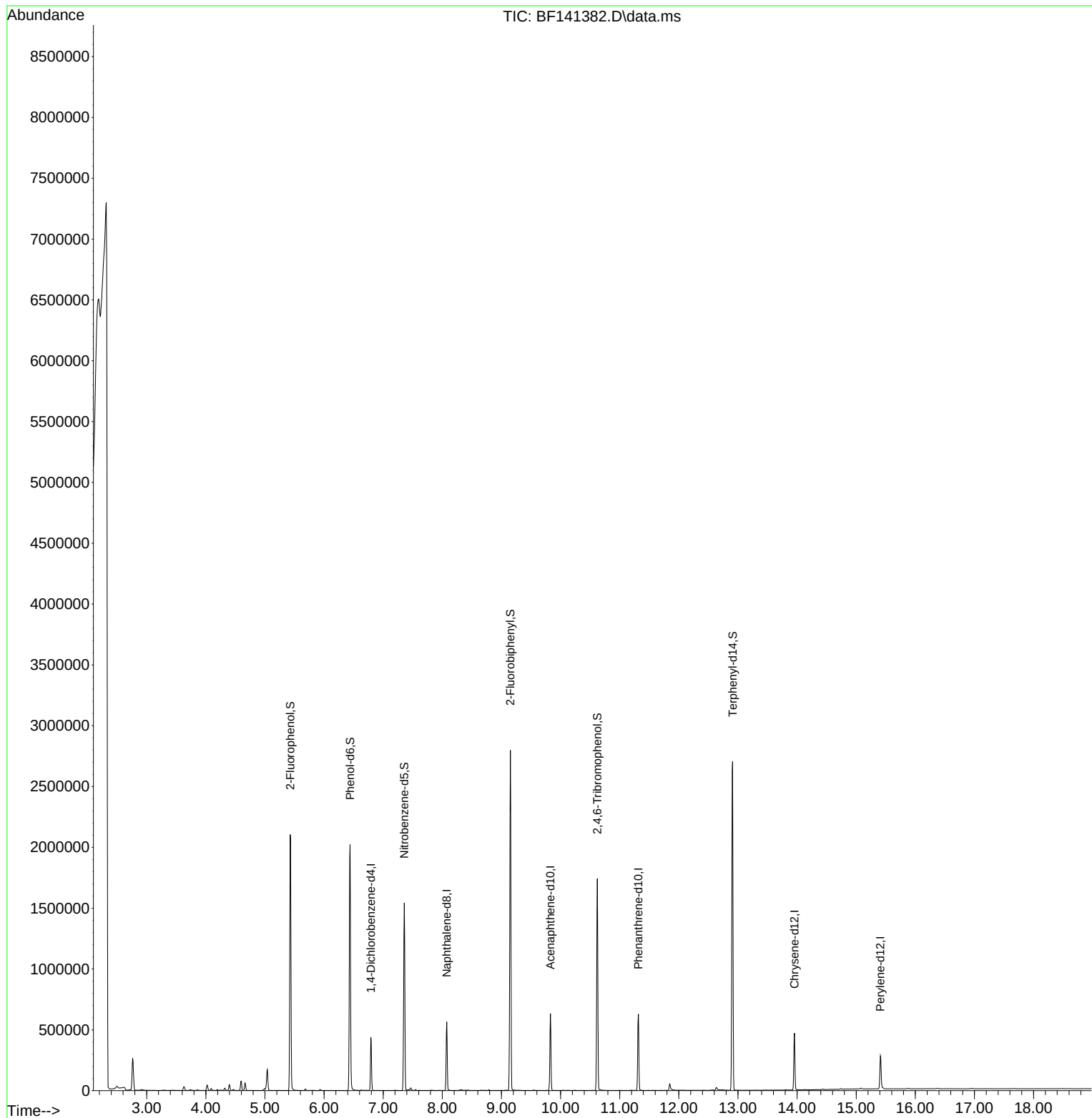
Target Compounds	Qvalue

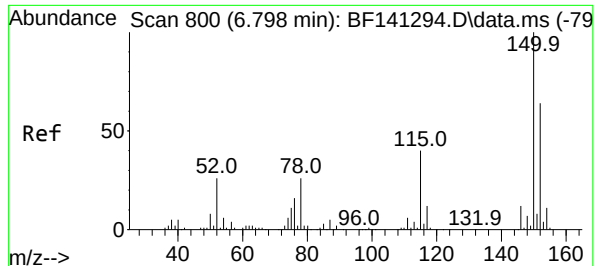
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141382.D
Acq On : 03 Feb 2025 21:17
Operator : RC/JU
Sample : Q1232-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

Quant Time: Feb 04 00:19:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

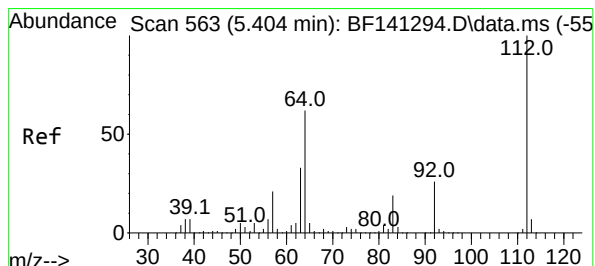
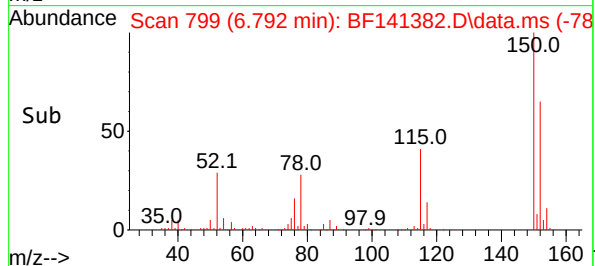
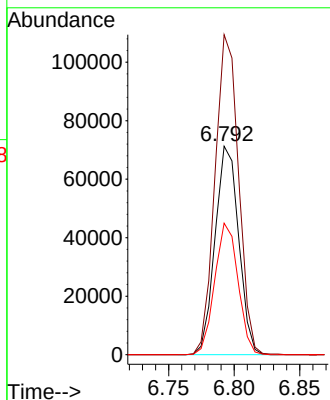
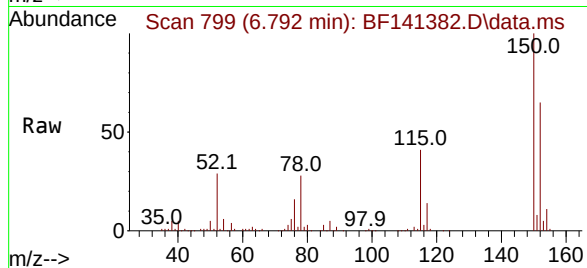




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

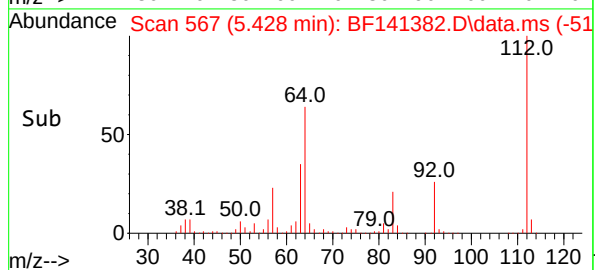
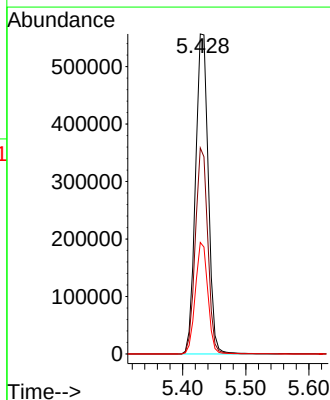
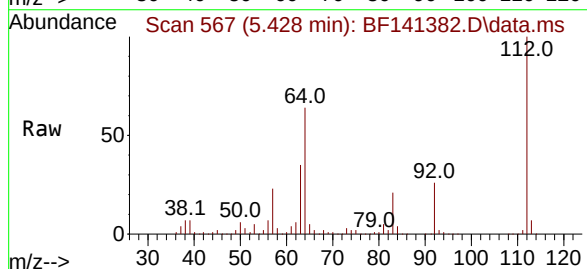
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

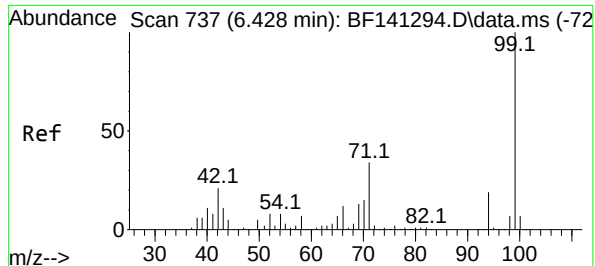
Tgt Ion:152 Resp: 89109
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 63.0 49.7 74.5



#5
2-Fluorophenol
Concen: 134.651 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.017 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Tgt Ion:112 Resp: 781568
Ion Ratio Lower Upper
112 100
64 64.4 49.8 74.8
63 34.9 26.1 39.1

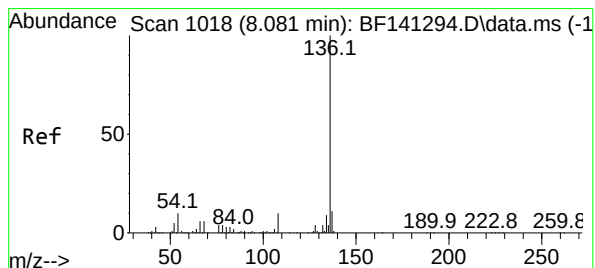
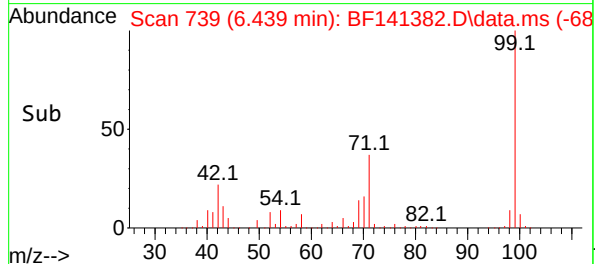
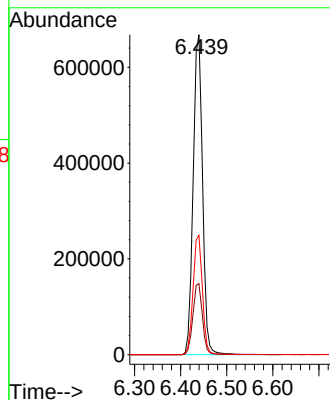
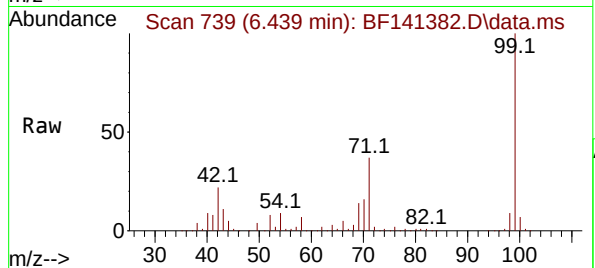




#7
Phenol-d6
Concen: 127.845 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

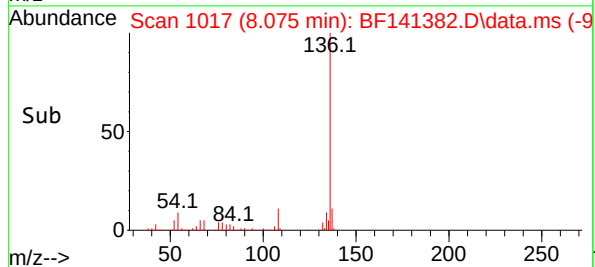
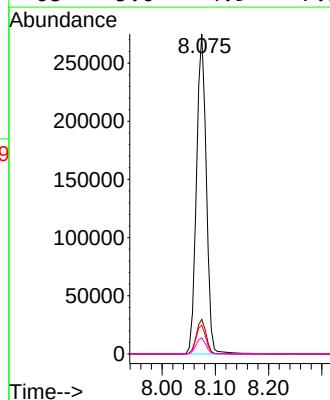
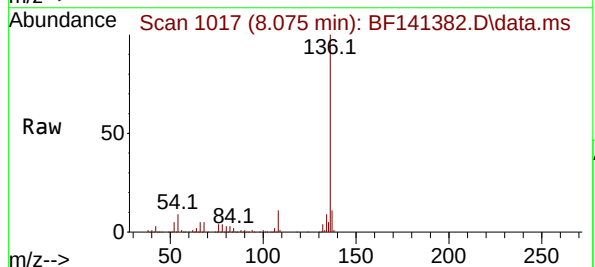
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

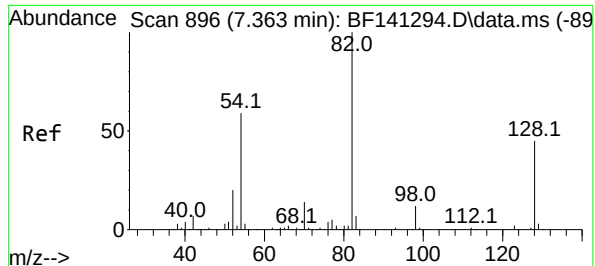
Tgt Ion: 99 Resp: 943996
Ion Ratio Lower Upper
99 100
42 22.2 17.1 25.7
71 37.3 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Tgt Ion: 136 Resp: 351714
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.0 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 104.932 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

Instrument :

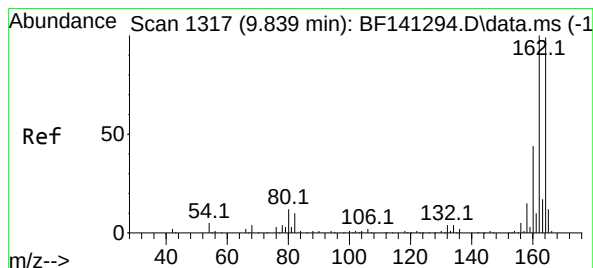
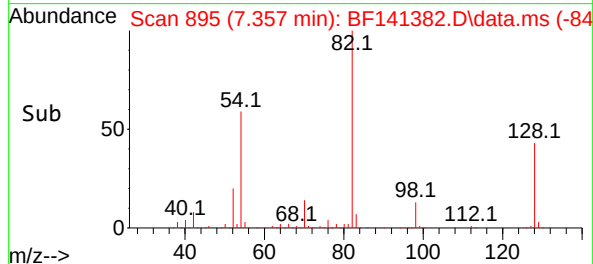
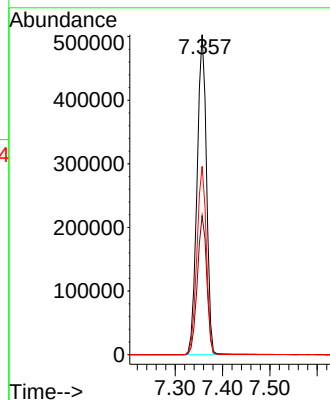
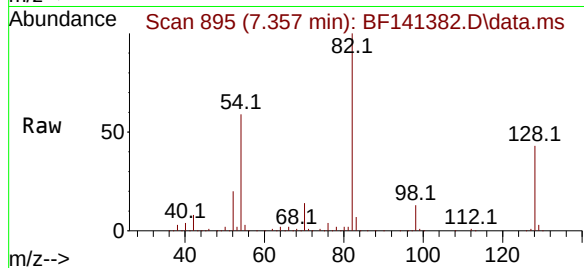
BNA_F

ClientSampleId :

JPP-42.1-012925

Tgt Ion: 82 Resp: 700084

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	58.8	47.1	70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1315

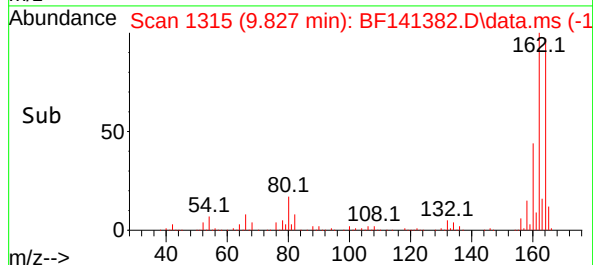
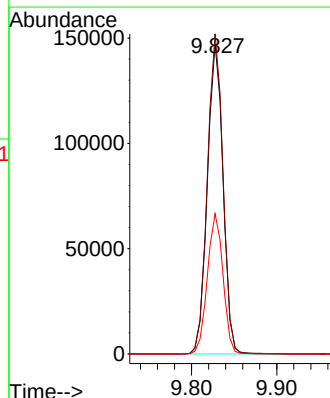
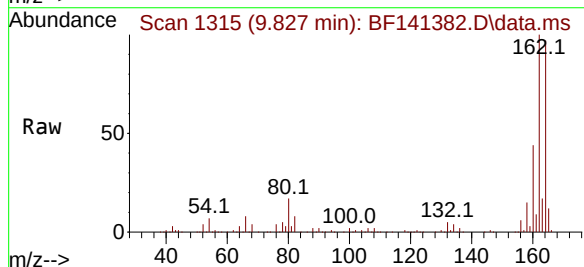
Delta R.T. -0.012 min

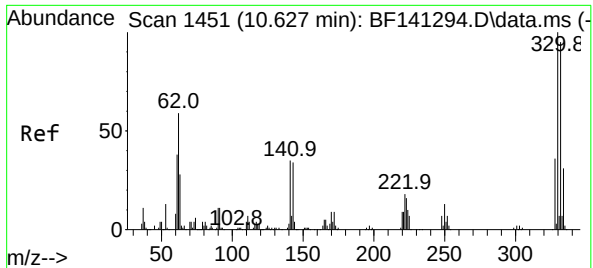
Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

Tgt Ion:164 Resp: 188139

Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	121.0
160	45.2	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 162.507 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141382.D

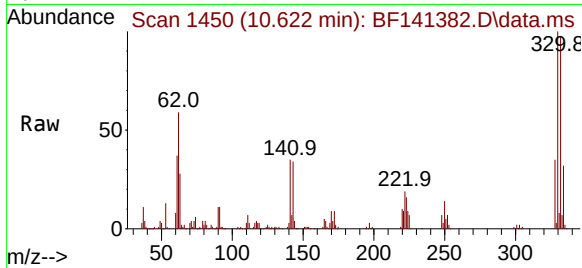
Acq: 03 Feb 2025 21:17

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925



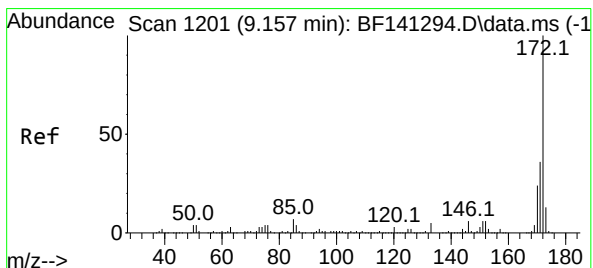
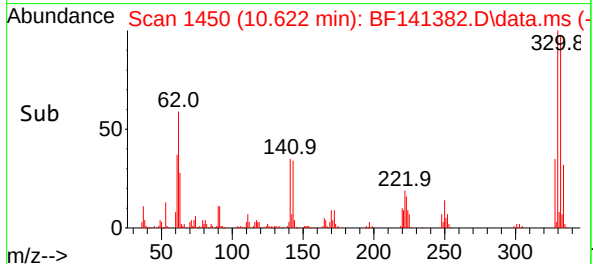
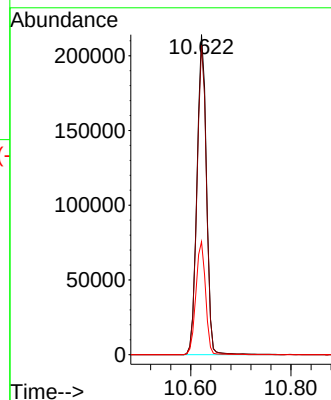
Tgt Ion:330 Resp: 280292

Ion Ratio Lower Upper

330 100

332 96.8 76.1 114.1

141 36.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 103.040 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

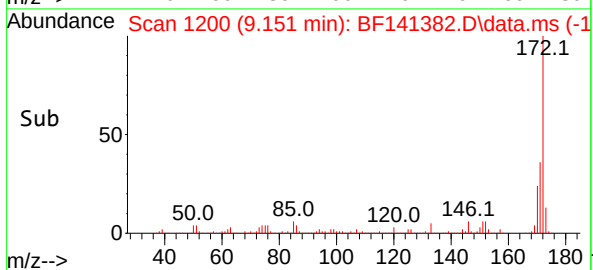
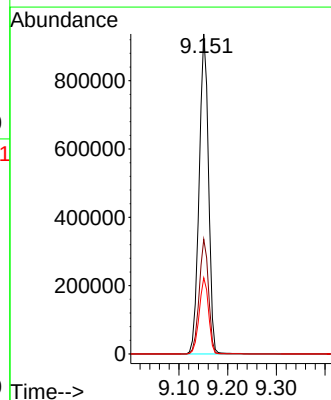
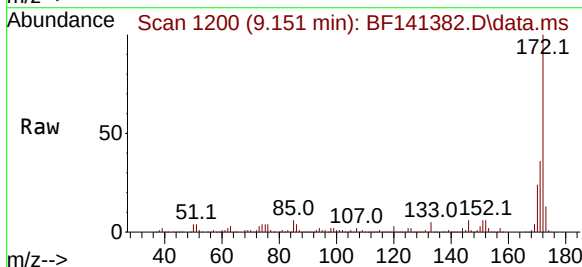
Tgt Ion:172 Resp: 1259480

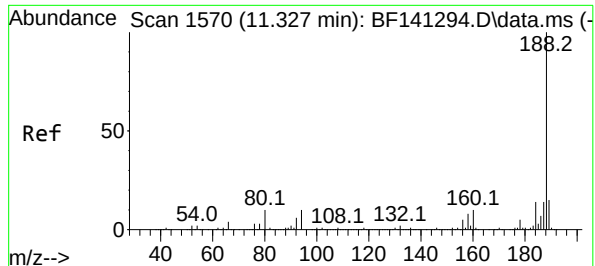
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.8 19.0 28.6

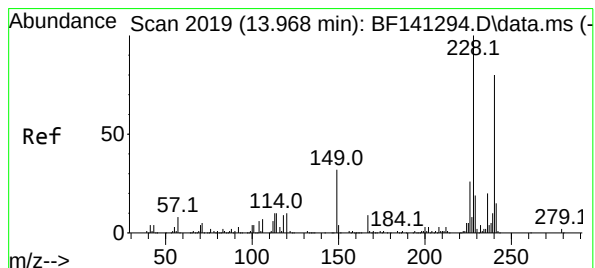
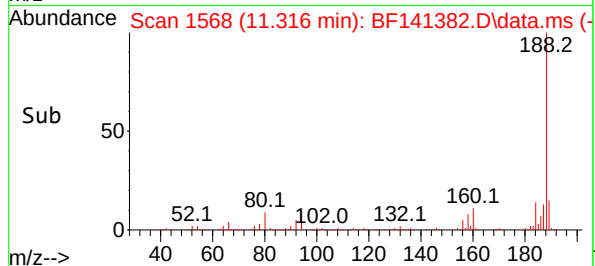
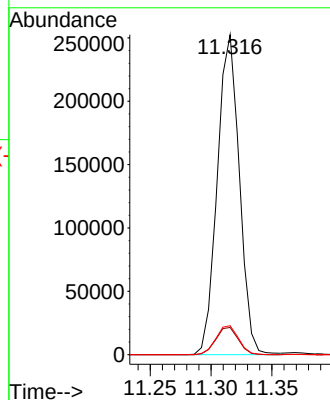
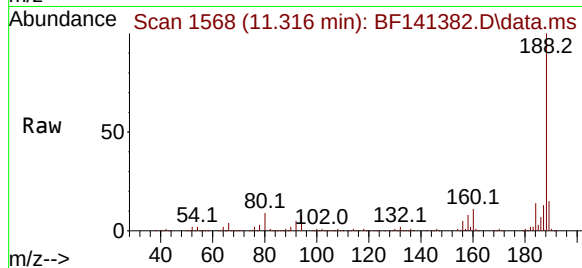




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

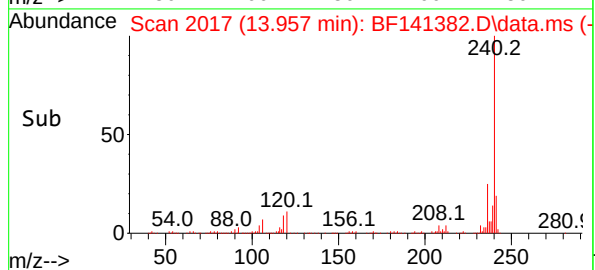
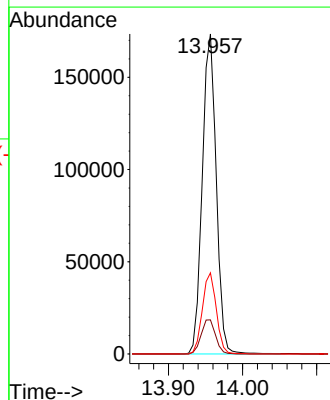
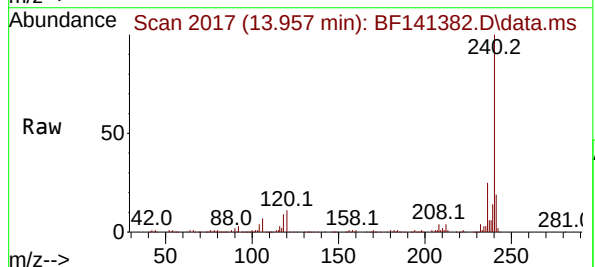
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

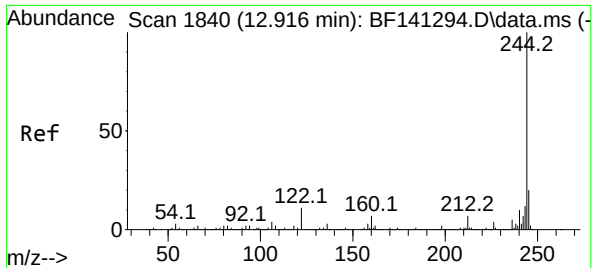
Tgt Ion:188 Resp: 319169
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.1 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Tgt Ion:240 Resp: 226990
Ion Ratio Lower Upper
240 100
120 10.7 10.0 15.0
236 25.4 19.7 29.5

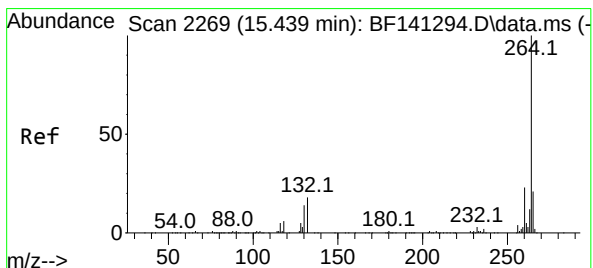
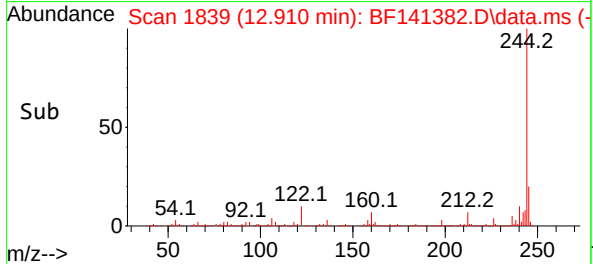
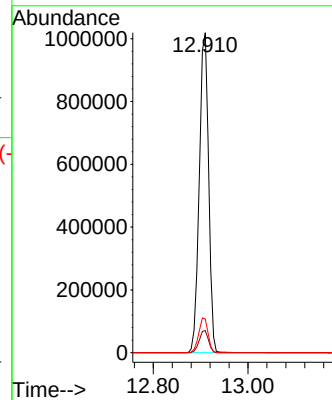
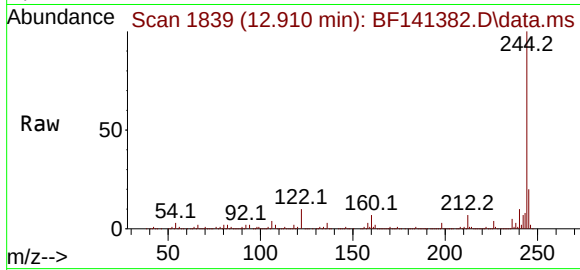




#79
 Terphenyl-d14
 Concen: 94.570 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF141382.D
 Acq: 03 Feb 2025 21:17

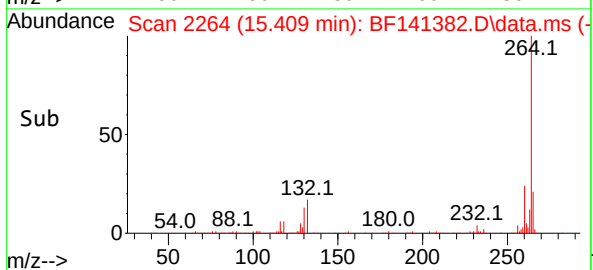
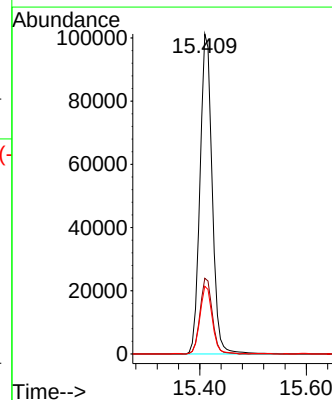
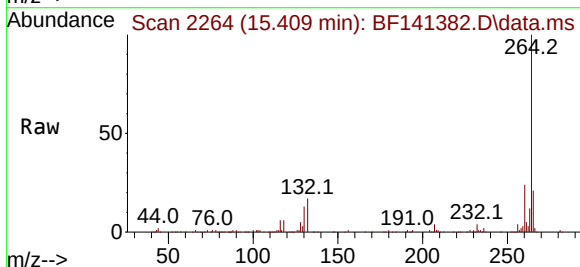
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925

Tgt Ion:244 Resp: 1391951
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.5 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2264
 Delta R.T. -0.030 min
 Lab File: BF141382.D
 Acq: 03 Feb 2025 21:17

Tgt Ion:264 Resp: 160771
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.1 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-16	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
BF141383.D	1	01/31/25 10:29	02/03/25 21:44	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	131		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		49 - 133	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.3		52 - 132	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		44 - 137	109%	SPK: 150
1718-51-0	Terphenyl-d14	96.7		48 - 125	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84200	6.793			
1146-65-2	Naphthalene-d8	337000	8.075			
15067-26-2	Acenaphthene-d10	188000	9.828			
1517-22-2	Phenanthrene-d10	310000	11.316			
1719-03-5	Chrysene-d12	218000	13.957			
1520-96-3	Perylene-d12	158000	15.404			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-16	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
BF141383.D	1	01/31/25 10:29	02/03/25 21:44	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BF020325\
Data File : BF141383.D
Acq On : 03 Feb 2025 21:44
Operator : RC/JU
Sample : Q1232-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

Quant Time: Feb 04 00:19:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	84155	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	336578	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	187844	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	310260	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	217689	20.000	ng	#-0.02
86) Perylene-d12	15.404	264	158450	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	751417	137.078	ng	0.02
7) Phenol-d6	6.440	99	911438	130.702	ng	0.00
23) Nitrobenzene-d5	7.357	82	666335	104.365	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	281541	163.487	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1211342	99.257	ng	-0.01
79) Terphenyl-d14	12.910	244	1364802	96.687	ng	0.00

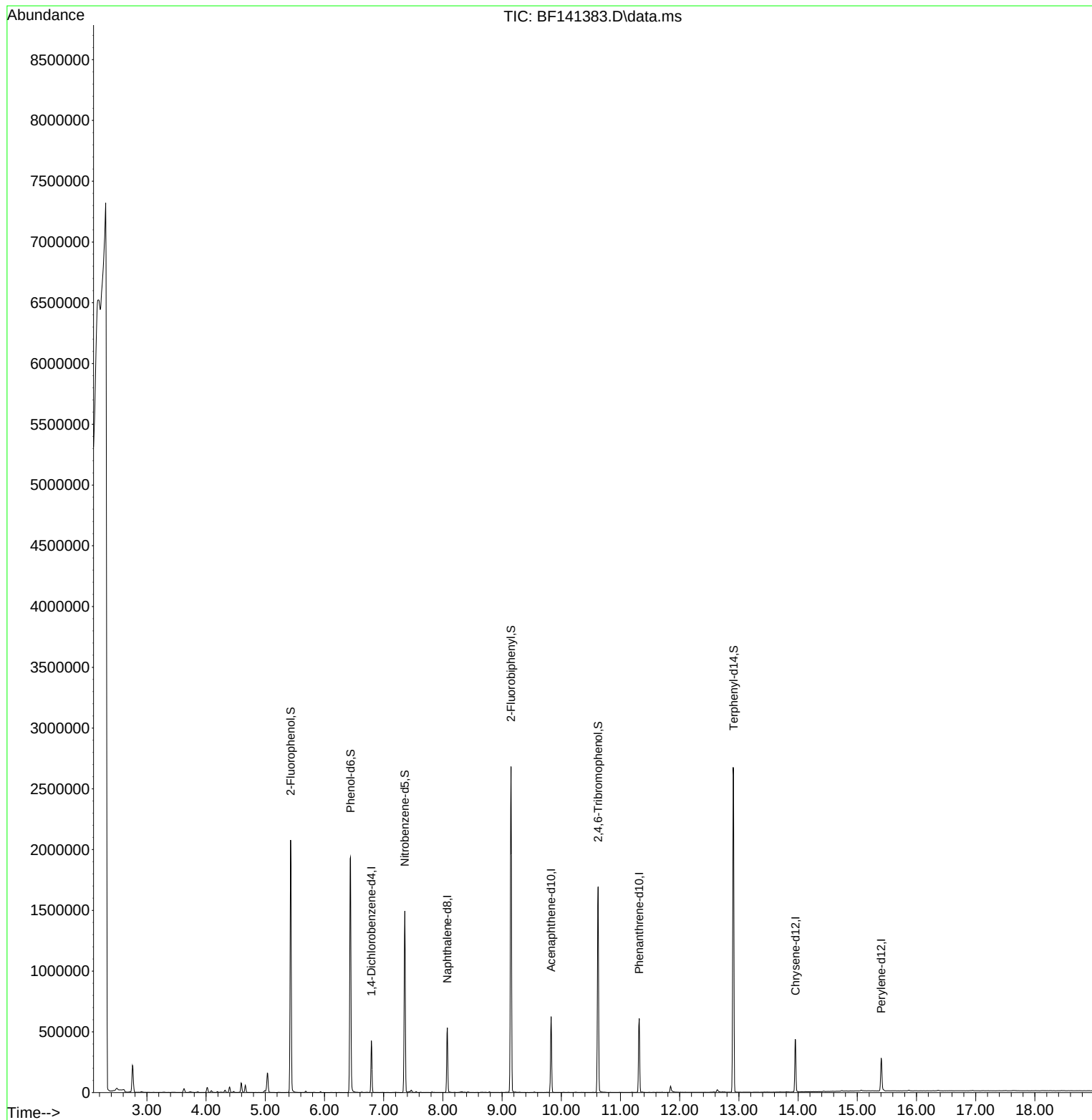
Target Compounds	Qvalue

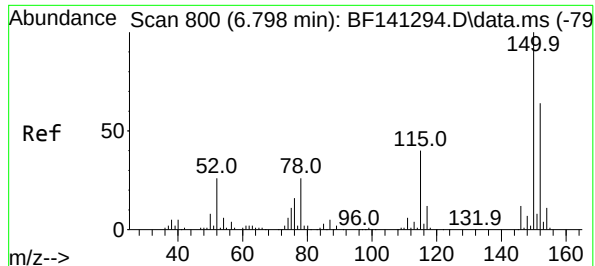
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141383.D
Acq On : 03 Feb 2025 21:44
Operator : RC/JU
Sample : Q1232-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

Quant Time: Feb 04 00:19:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

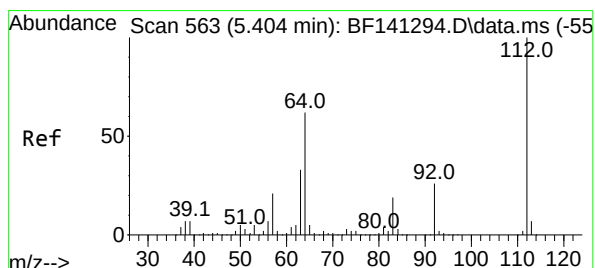
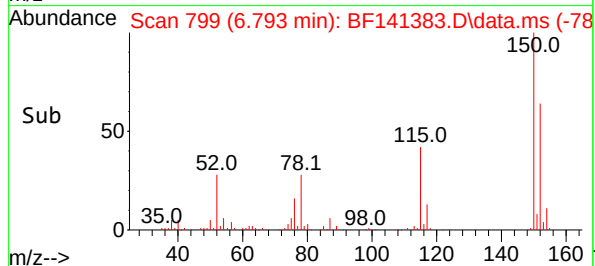
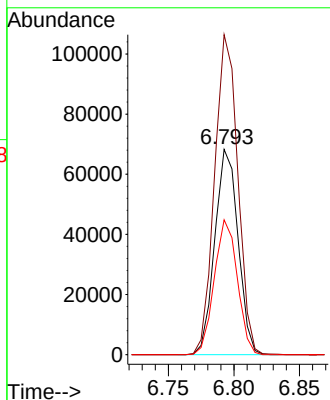
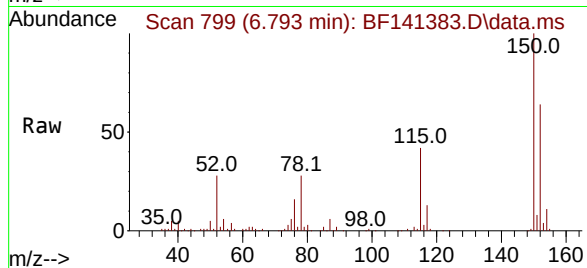




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141383.D
Acq: 03 Feb 2025 21:44

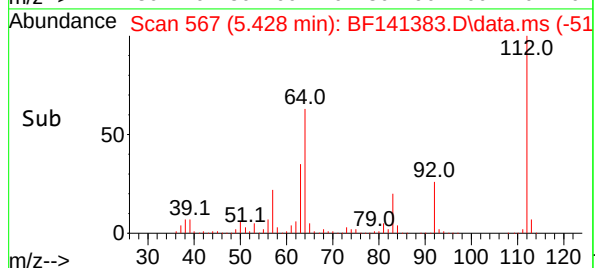
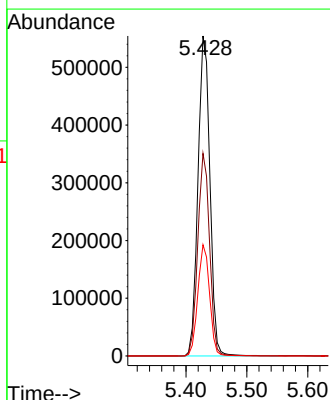
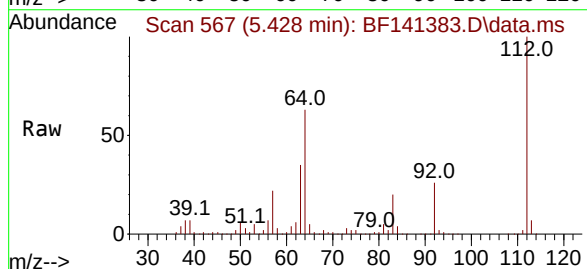
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

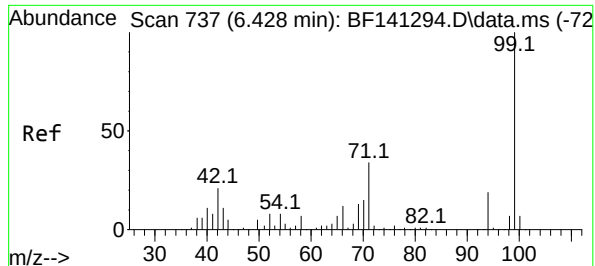
Tgt Ion:152 Resp: 84155
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 65.7 49.7 74.5



#5
2-Fluorophenol
Concen: 137.078 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141383.D
Acq: 03 Feb 2025 21:44

Tgt Ion:112 Resp: 751417
Ion Ratio Lower Upper
112 100
64 63.3 49.8 74.8
63 34.7 26.1 39.1

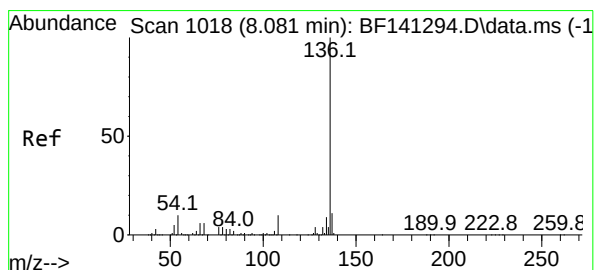
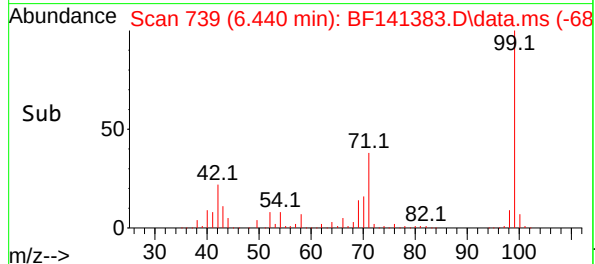
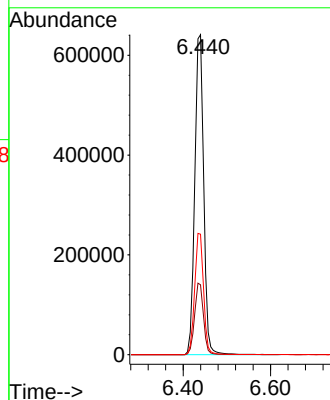
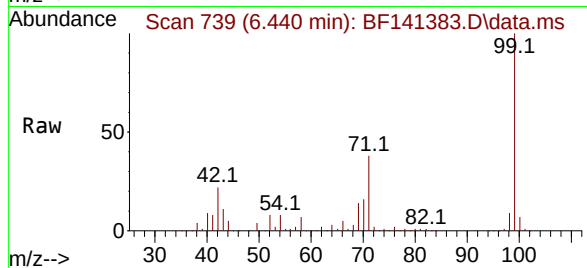




#7
Phenol-d6
Concen: 130.702 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141383.D
Acq: 03 Feb 2025 21:44

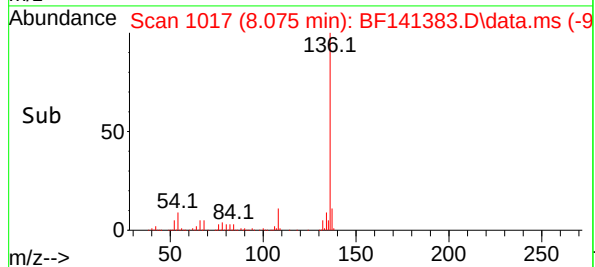
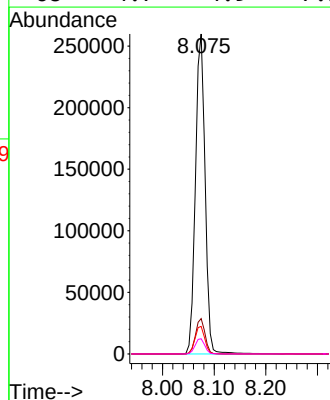
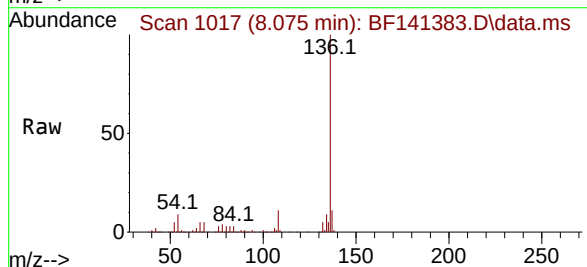
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

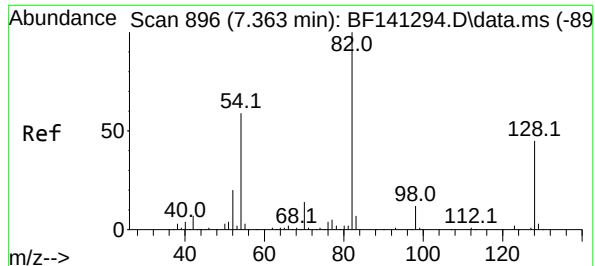
Tgt Ion: 99 Resp: 911438
Ion Ratio Lower Upper
99 100
42 21.9 17.1 25.7
71 37.6 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141383.D
Acq: 03 Feb 2025 21:44

Tgt Ion: 136 Resp: 336578
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.6 7.8 11.8
68 4.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 104.365 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

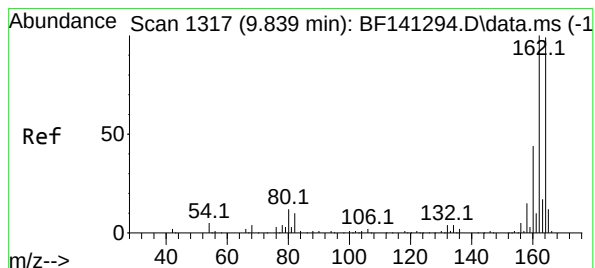
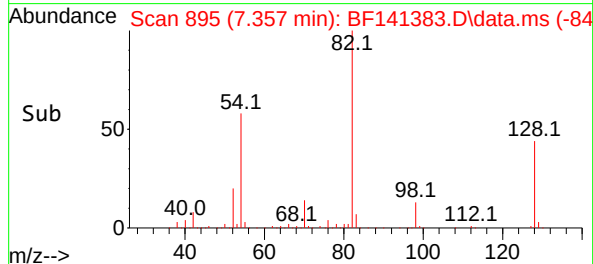
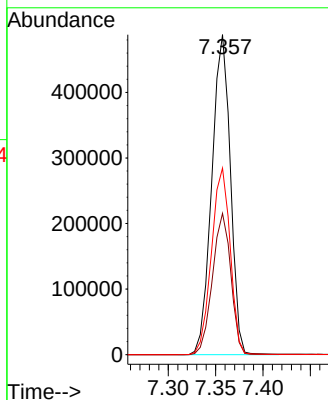
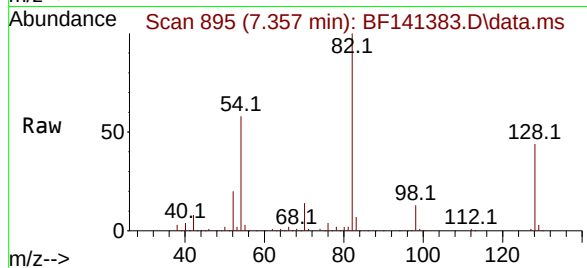
Tgt Ion: 82 Resp: 666335

Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 58.3 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

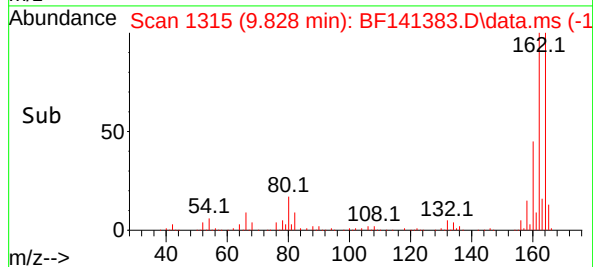
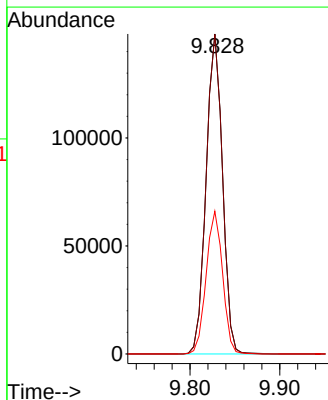
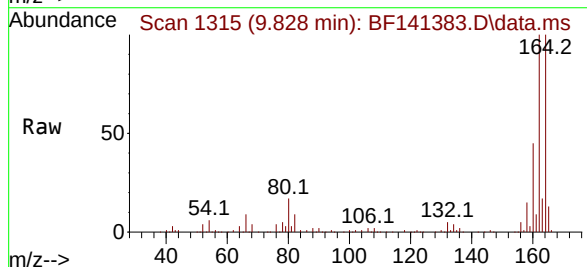
Tgt Ion:164 Resp: 187844

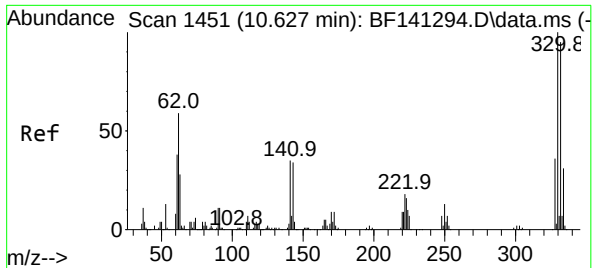
Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

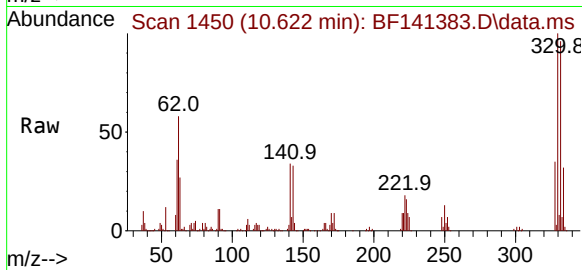
160 44.6 35.8 53.6



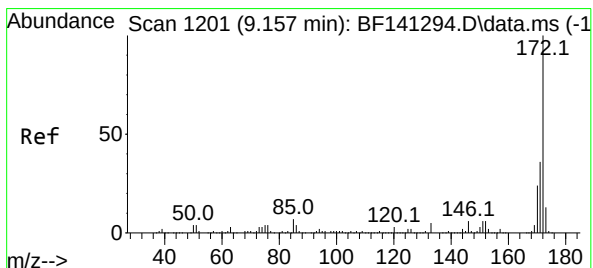
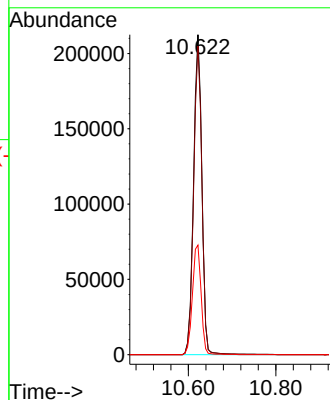
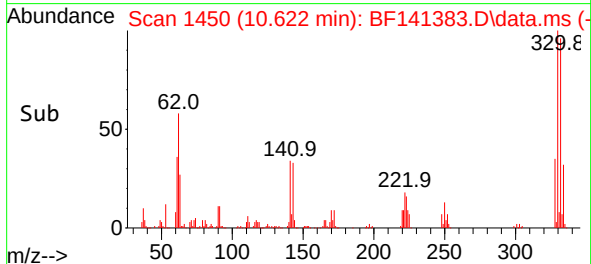


#42
2,4,6-Tribromophenol
Concen: 163.487 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141383.D
Acq: 03 Feb 2025 21:44

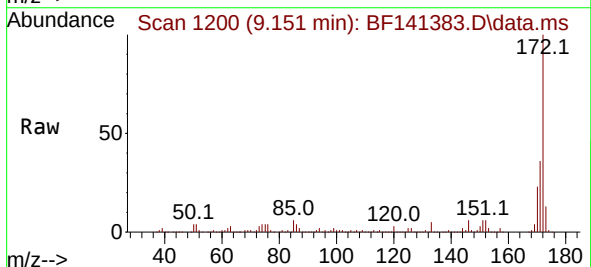
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



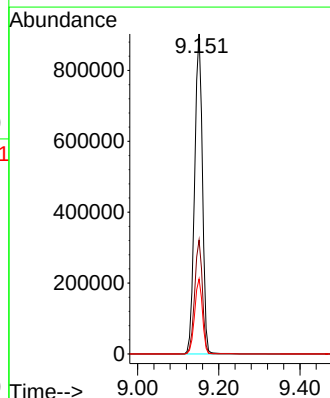
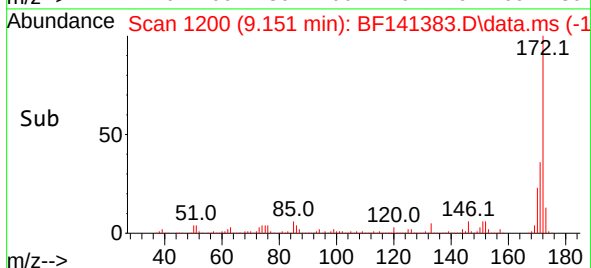
Tgt Ion: 330 Resp: 281541
Ion Ratio Lower Upper
330 100
332 96.1 76.1 114.1
141 35.9 28.8 43.2

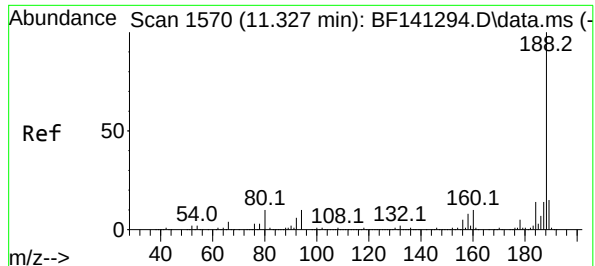


#45
2-Fluorobiphenyl
Concen: 99.257 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141383.D
Acq: 03 Feb 2025 21:44



Tgt Ion: 172 Resp: 1211342
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

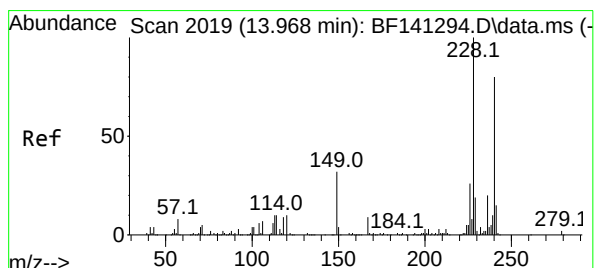
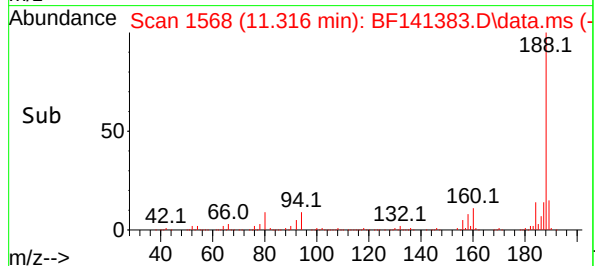
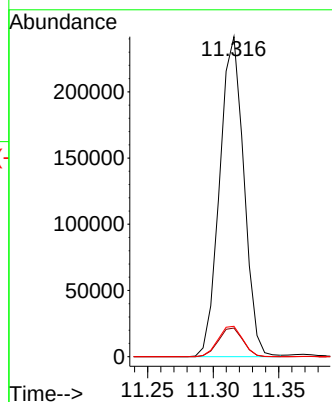
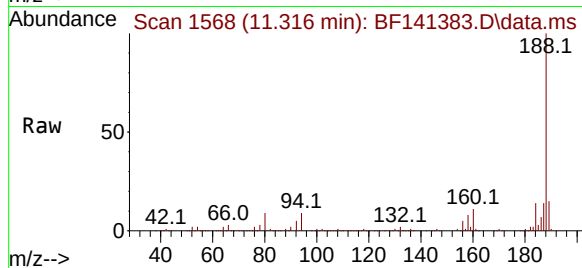
Tgt Ion:188 Resp: 310260

Ion Ratio Lower Upper

188 100

94 9.0 7.8 11.6

80 9.5 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

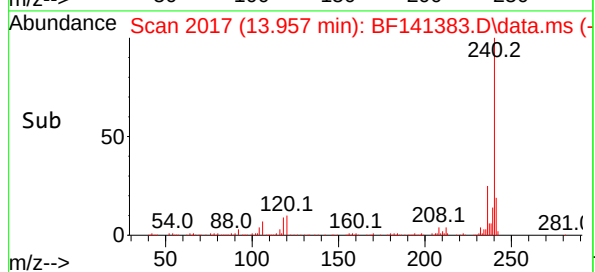
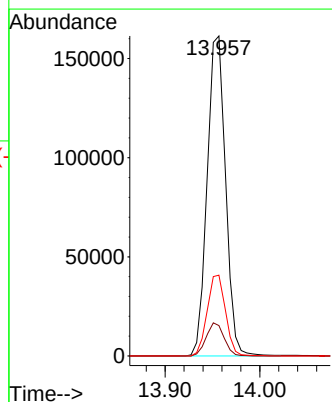
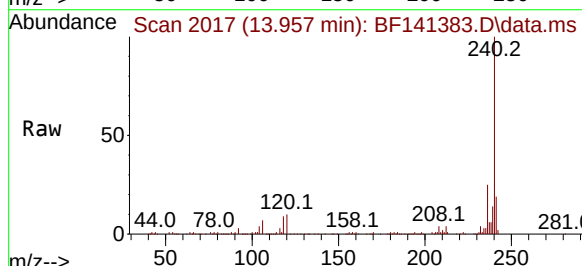
Tgt Ion:240 Resp: 217689

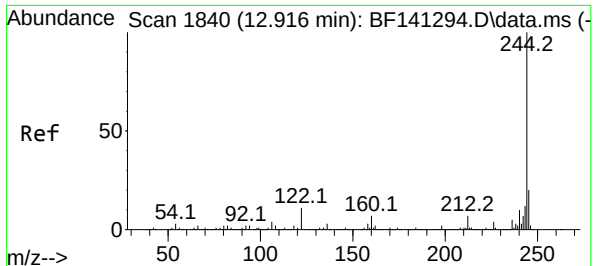
Ion Ratio Lower Upper

240 100

120 9.5 10.0 15.0#

236 25.3 19.7 29.5





#79

Terphenyl-d14

Concen: 96.687 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

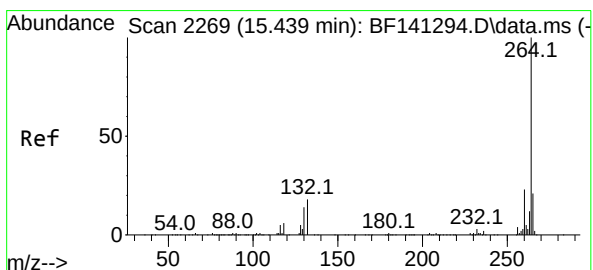
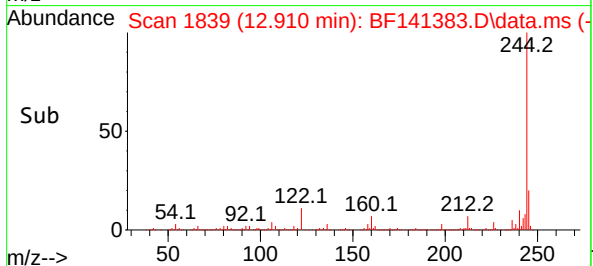
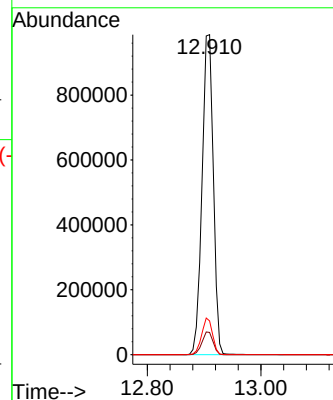
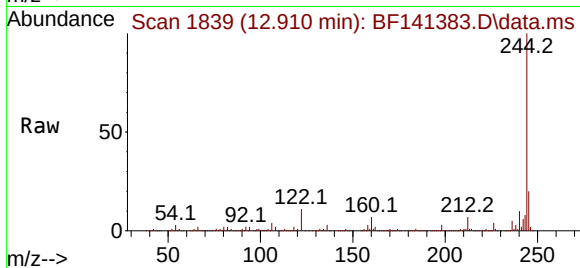
Tgt Ion:244 Resp: 1364802

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.6 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.035 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

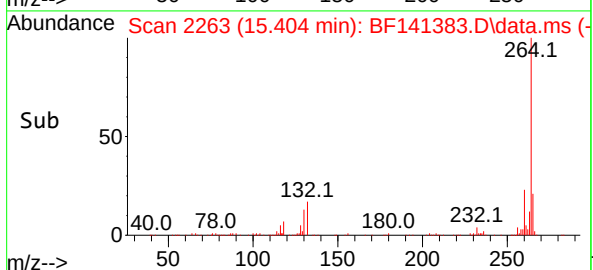
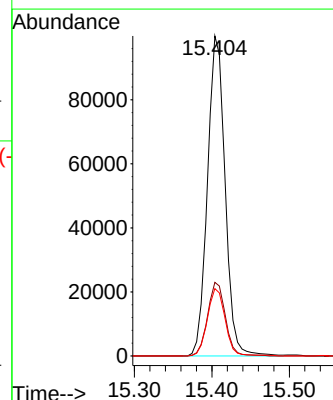
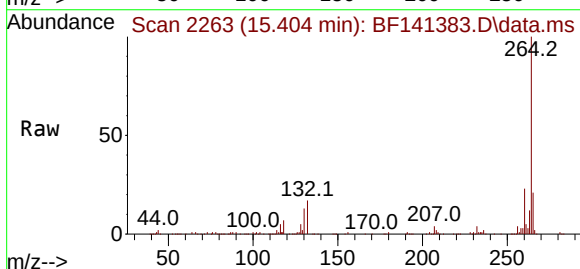
Tgt Ion:264 Resp: 158450

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.0 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-20	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
BF141384.D	1	01/31/25 10:29	02/03/25 22:11	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.5	100	ug/L
67-72-1	Hexachloroethane	50.0	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		49 - 133	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		52 - 132	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	165		44 - 137	110%	SPK: 150
1718-51-0	Terphenyl-d14	105		48 - 125	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88600	6.793			
1146-65-2	Naphthalene-d8	355000	8.075			
15067-26-2	Acenaphthene-d10	194000	9.828			
1517-22-2	Phenanthrene-d10	331000	11.316			
1719-03-5	Chrysene-d12	211000	13.957			
1520-96-3	Perylene-d12	155000	15.404			

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-20	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
BF141384.D	1	01/31/25 10:29	02/03/25 22:11	PB166426

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\BF020325\
Data File : BF141384.D
Acq On : 03 Feb 2025 22:11
Operator : RC/JU
Sample : Q1232-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Quant Time: Feb 04 00:20:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	88557	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	354547	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	194446	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	330562	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	210585	20.000	ng	#-0.02
86) Perylene-d12	15.404	264	155102	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	790380	137.018	ng	0.02
7) Phenol-d6	6.440	99	956155	130.299	ng	0.00
23) Nitrobenzene-d5	7.357	82	711866	105.845	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	294994	165.483	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1271349	100.637	ng	-0.01
79) Terphenyl-d14	12.910	244	1427125	104.513	ng	0.00

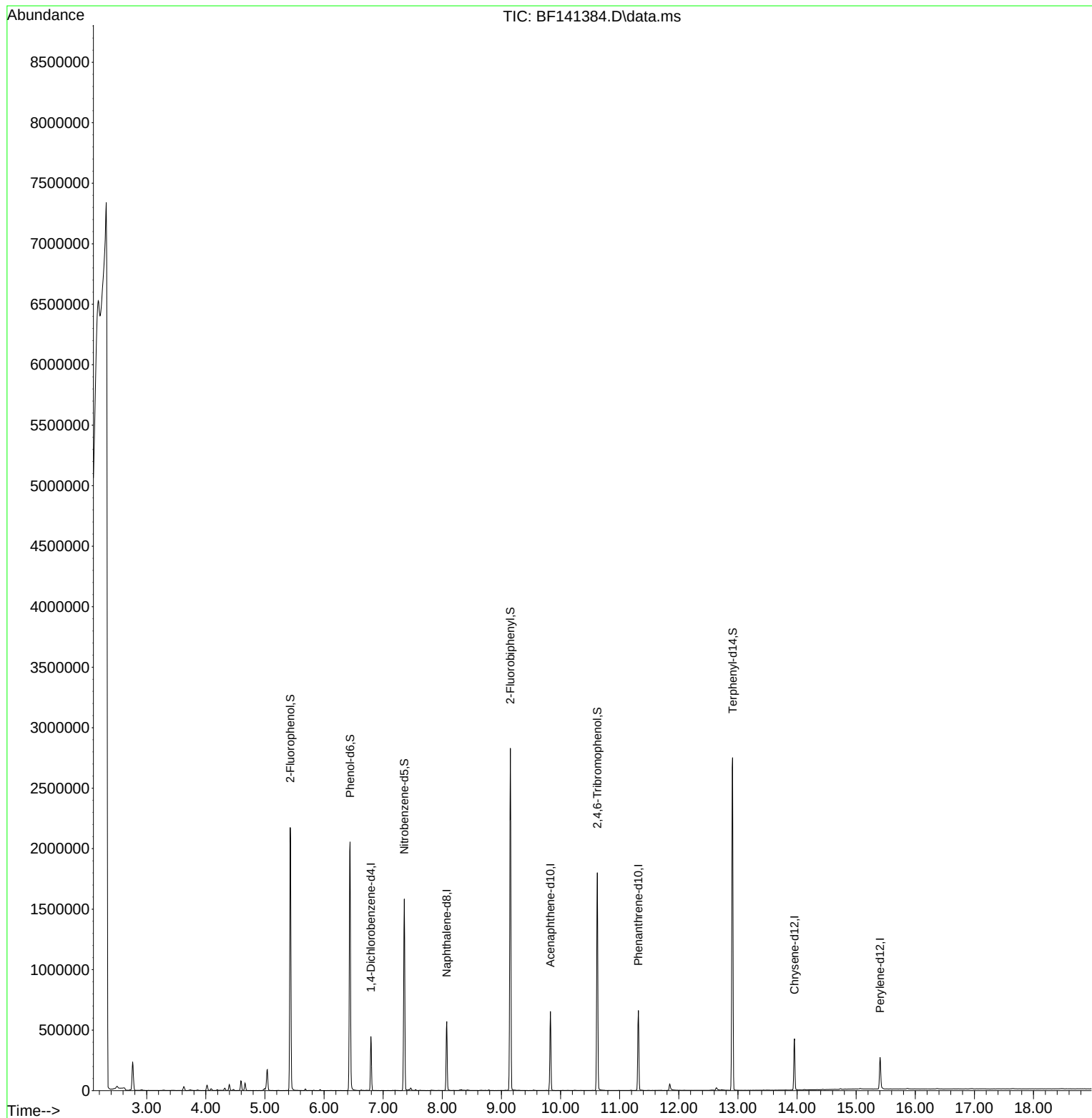
Target Compounds	Qvalue

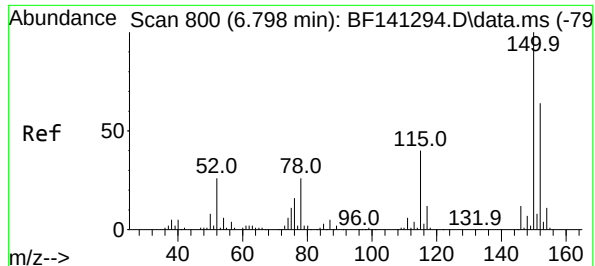
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141384.D
Acq On : 03 Feb 2025 22:11
Operator : RC/JU
Sample : Q1232-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Quant Time: Feb 04 00:20:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

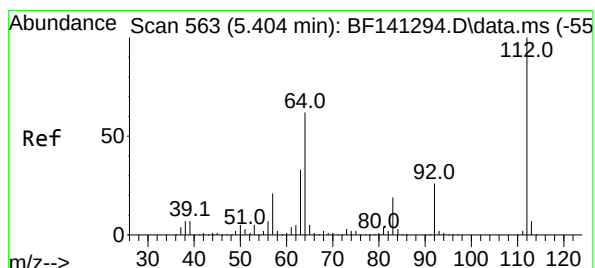
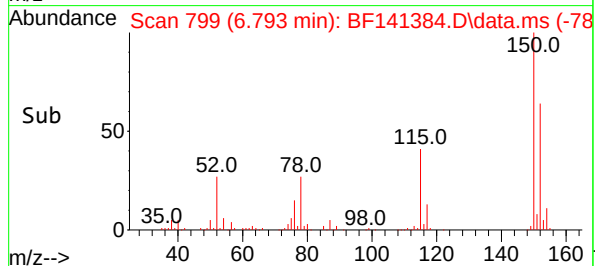
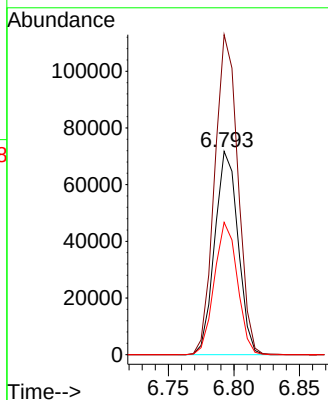
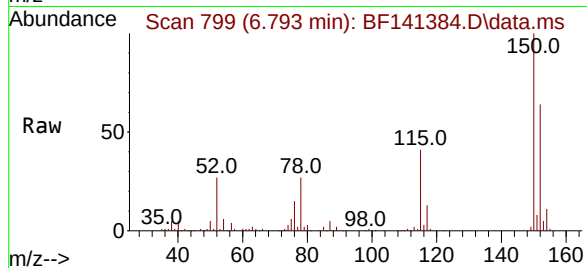




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141384.D
Acq: 03 Feb 2025 22:11

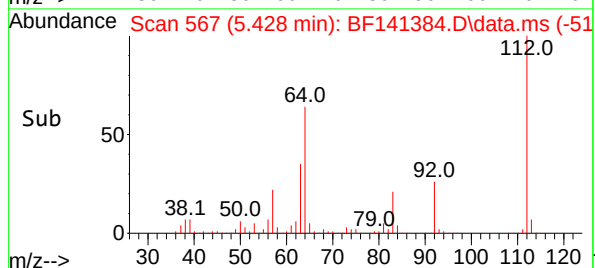
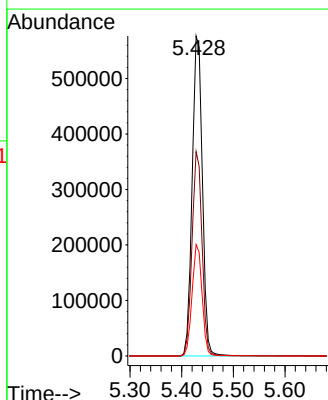
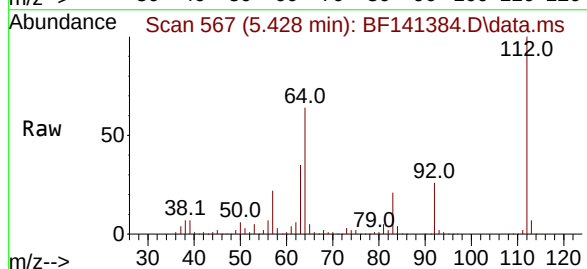
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

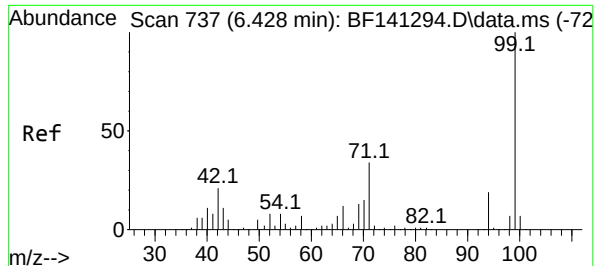
Tgt Ion:152 Resp: 88557
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 65.1 49.7 74.5



#5
2-Fluorophenol
Concen: 137.018 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141384.D
Acq: 03 Feb 2025 22:11

Tgt Ion:112 Resp: 790380
Ion Ratio Lower Upper
112 100
64 63.9 49.8 74.8
63 34.8 26.1 39.1

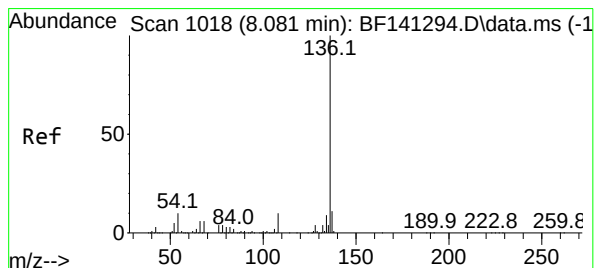
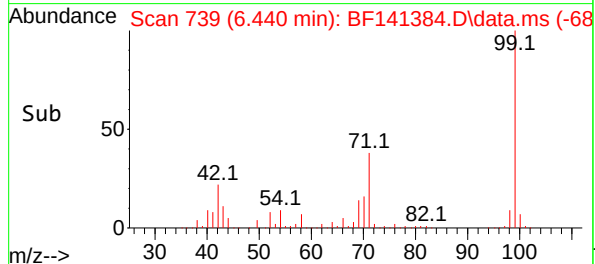
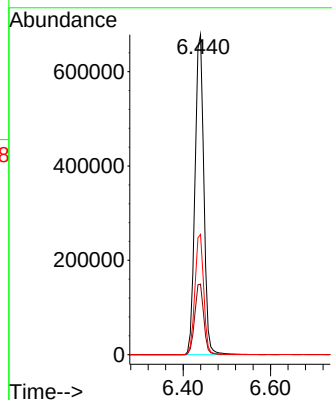
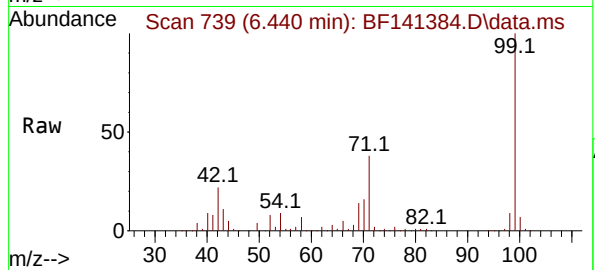




#7
Phenol-d6
Concen: 130.299 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141384.D
Acq: 03 Feb 2025 22:11

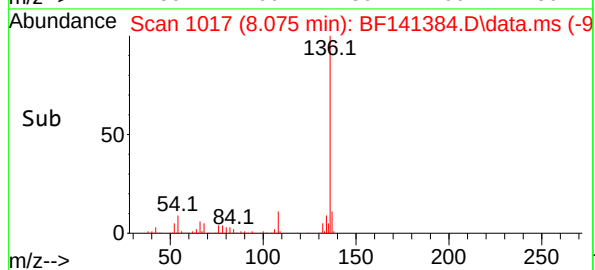
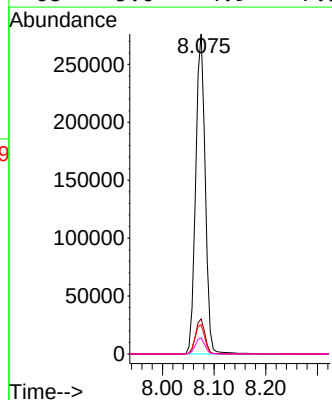
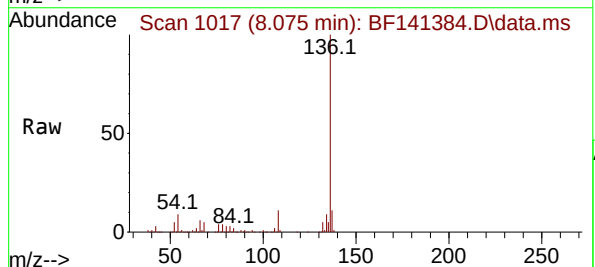
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

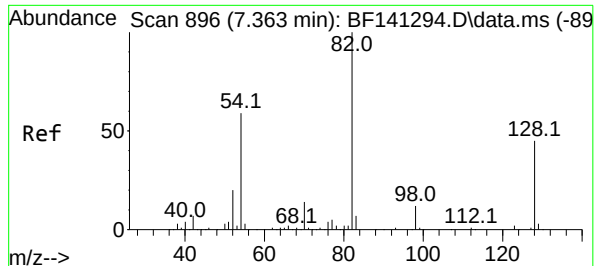
Tgt Ion: 99 Resp: 956155
Ion Ratio Lower Upper
99 100
42 22.1 17.1 25.7
71 37.6 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141384.D
Acq: 03 Feb 2025 22:11

Tgt Ion: 136 Resp: 354547
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.2 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 105.845 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141384.D

Acq: 03 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

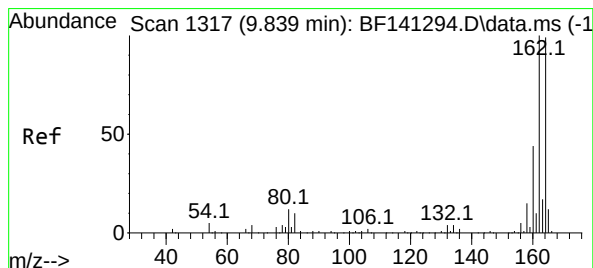
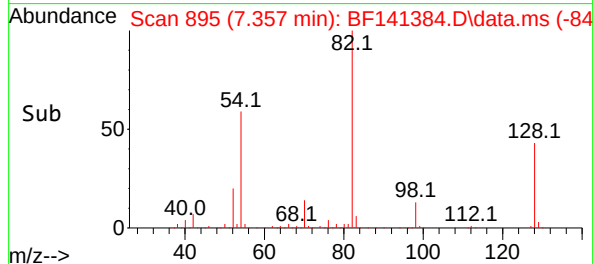
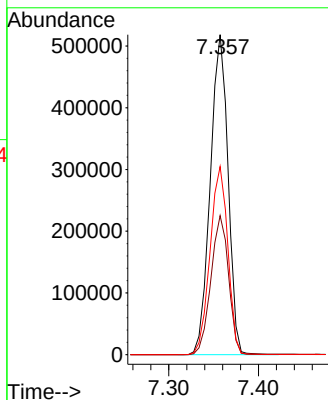
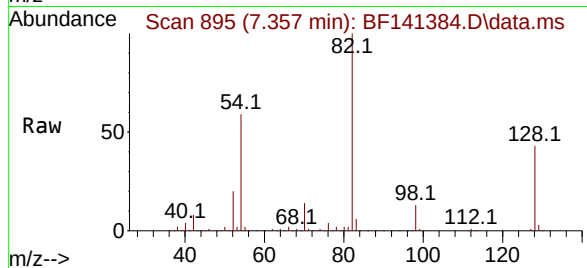
Tgt Ion: 82 Resp: 711866

Ion Ratio Lower Upper

82 100

128 43.5 35.7 53.5

54 58.8 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141384.D

Acq: 03 Feb 2025 22:11

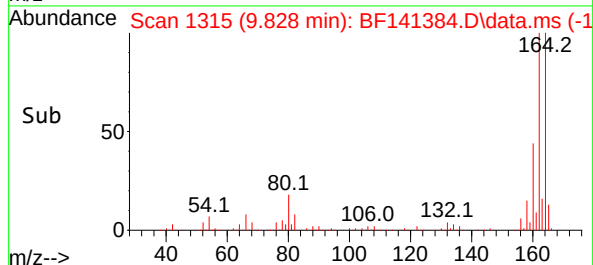
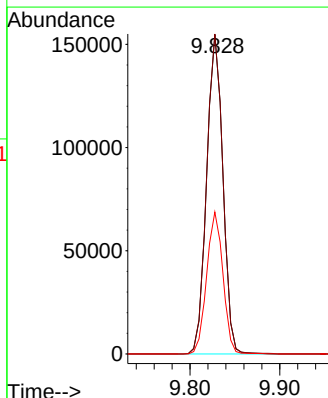
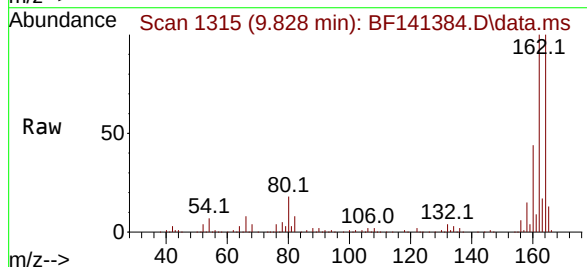
Tgt Ion:164 Resp: 194446

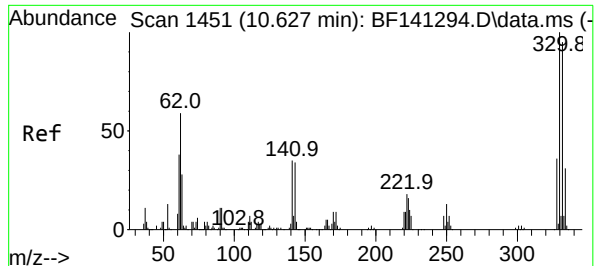
Ion Ratio Lower Upper

164 100

162 100.2 80.6 121.0

160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 165.483 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141384.D

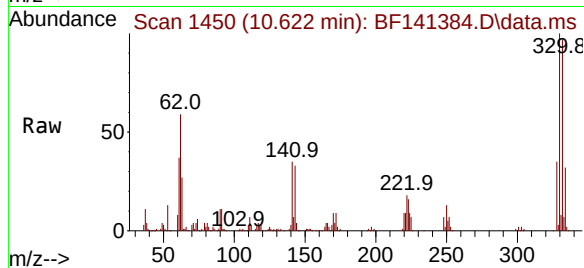
Acq: 03 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925



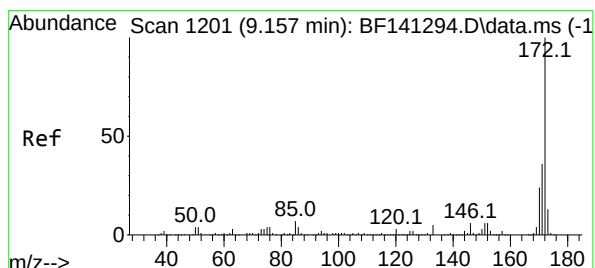
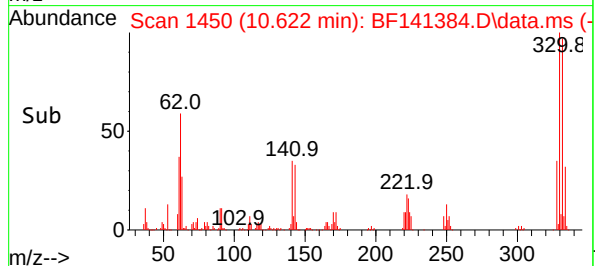
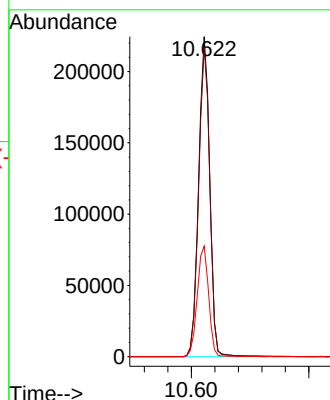
Tgt Ion:330 Resp: 294994

Ion Ratio Lower Upper

330 100

332 96.7 76.1 114.1

141 35.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 100.637 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141384.D

Acq: 03 Feb 2025 22:11

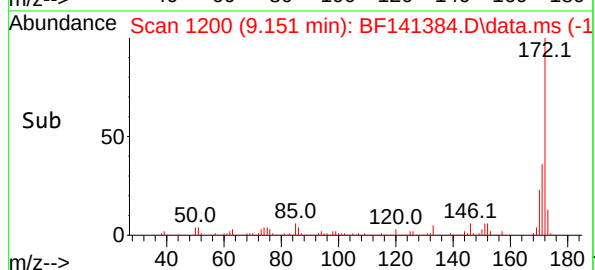
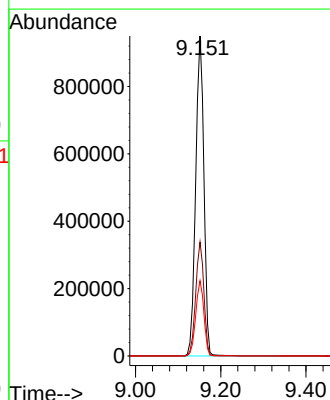
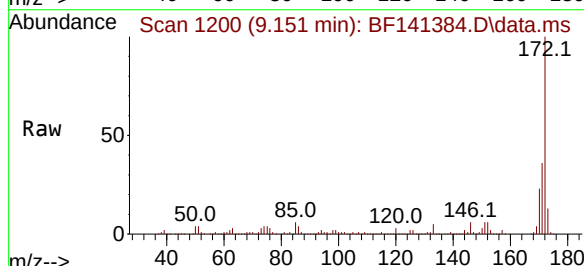
Tgt Ion:172 Resp: 1271349

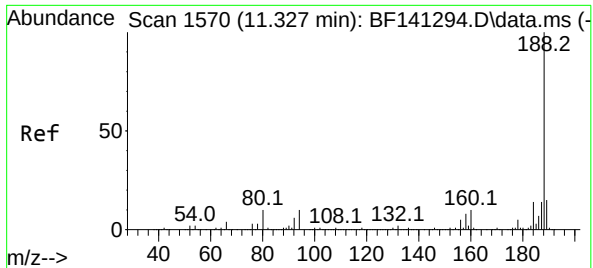
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 19.0 28.6

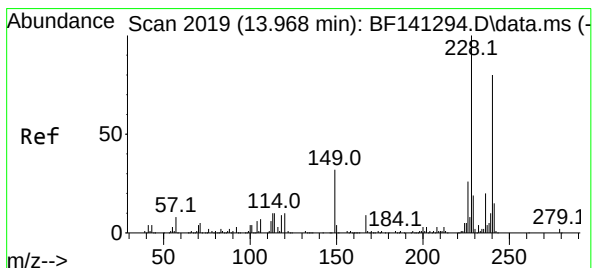
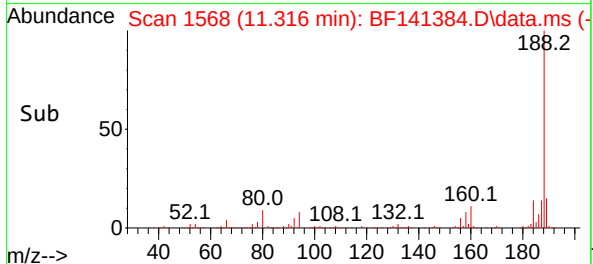
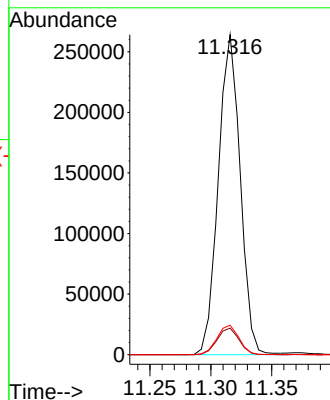
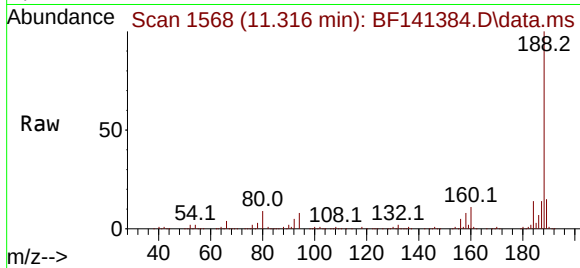




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141384.D
Acq: 03 Feb 2025 22:11

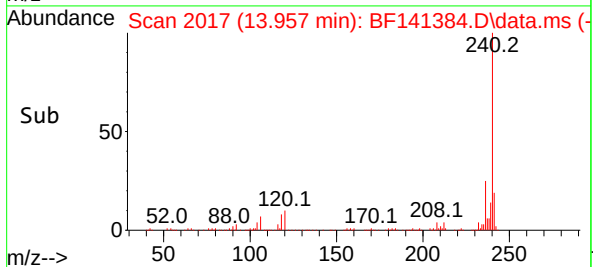
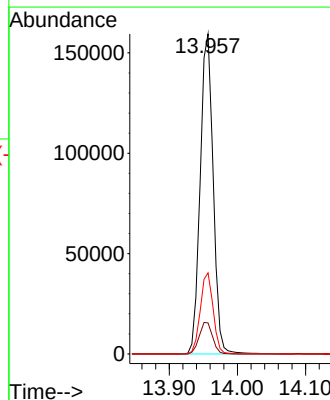
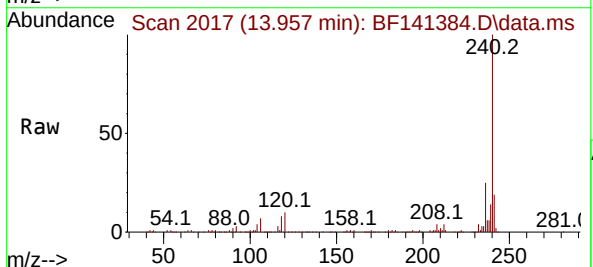
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

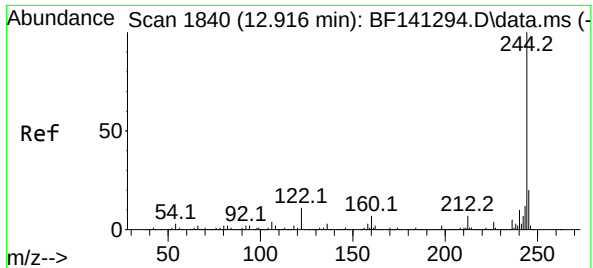
Tgt Ion:188 Resp: 330562
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 9.2 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141384.D
Acq: 03 Feb 2025 22:11

Tgt Ion:240 Resp: 210585
Ion Ratio Lower Upper
240 100
120 9.7 10.0 15.0#
236 25.4 19.7 29.5





#79

Terphenyl-d14

Concen: 104.513 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141384.D

Acq: 03 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

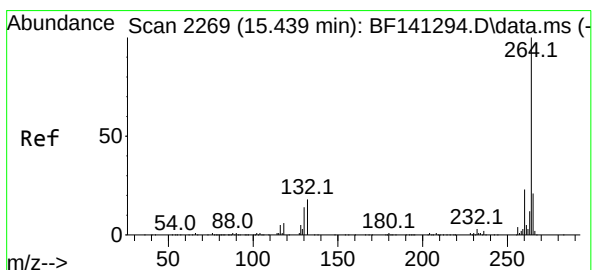
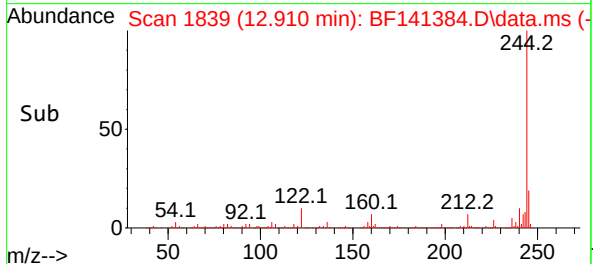
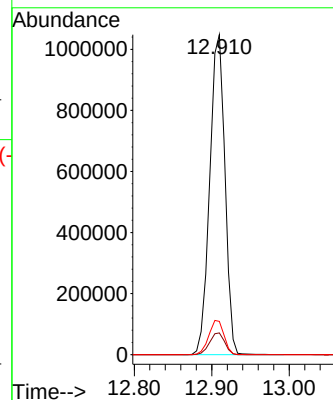
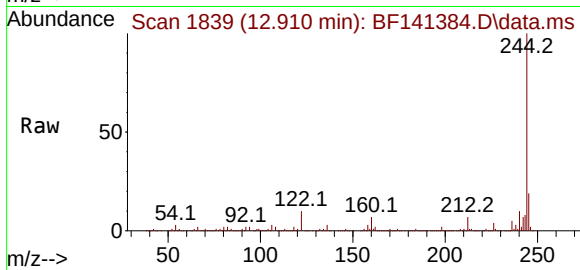
Tgt Ion:244 Resp: 1427125

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.4 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.035 min

Lab File: BF141384.D

Acq: 03 Feb 2025 22:11

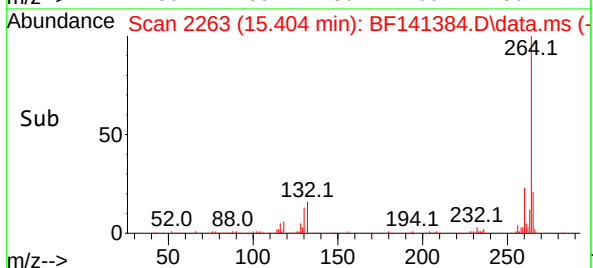
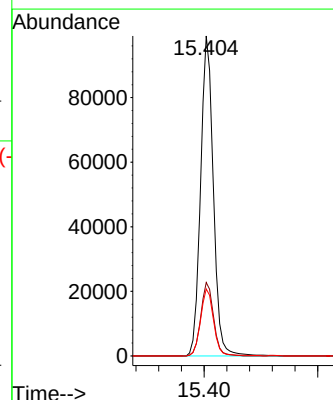
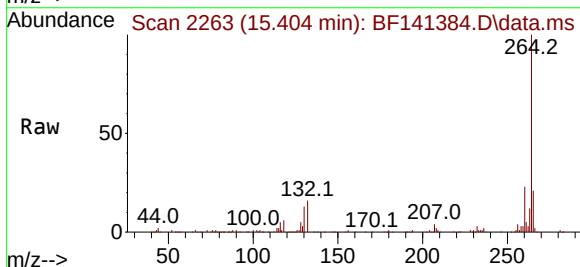
Tgt Ion:264 Resp: 155102

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.0 16.7 25.1





CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF012925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 29 17:41:25 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF141297.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19	
3)	Pyridine	1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46	
4)	n-Nitrosodimet...	0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32	
5) S	2-Fluorophenol	1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03	
6)	Aniline	1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93	
7) S	Phenol-d6	1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47	
8)	2-Chlorophenol	1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24	
9)	Benzaldehyde	1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81	
10) C	Phenol	1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22	
11)	bis(2-Chloroet...	1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93	
12)	1,3-Dichlorobe...	1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49	
13) C	1,4-Dichlorobe...	1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66	
14)	1,2-Dichlorobe...	1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46	
15)	Benzyl Alcohol	1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72	
16)	2,2'-oxybis(1-...	2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01	
17)	2-Methylphenol	1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62	
18)	Hexachloroethane	0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09	
19) P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)	3+4-Methylphenols	1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06	
23) S	Nitrobenzene-d5	0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14	
24)	Nitrobenzene	0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14	
25)	Isophorone	0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62	
26) C	2-Nitrophenol	0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66	
27)	2,4-Dimethylph...	0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12	
28)	bis(2-Chloroet...	0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70	
29) C	2,4-Dichloroph...	0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39	
30)	1,2,4-Trichlor...	0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11	
31)	Naphthalene	1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72	
32)	Benzoic acid	0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59	
33)	4-Chloroaniline	0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38	
34) C	Hexachlorobuta...	0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52	
35)	Caprolactam	0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89	
36) C	4-Chloro-3-met...	0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71	
37)	2-Methylnaphth...	0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68	
38)	1-Methylnaphth...	0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF012925.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25	
41) P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69	
42) S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98	
43) C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79	
44)	2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50	
45) S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48	
46)	1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27	
47)	2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59	
48)	2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91	
49)	Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38	
50)	Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34	
51)	2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90	
52) C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46	
53)	3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44	
54) P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81	
55)	Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72	
56) P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21	
57)	2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03	
58)	Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96	
59)	2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11	
60)	Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32	
61)	4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04	
62)	4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45	
63)	Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29	
66) c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89	
67)	4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57	
68)	Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07	
69)	Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86	
70) C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08	
71)	Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96	
72)	Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00	
73)	Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04	
74)	Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65	
75) C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34	
78)	Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14	
79) S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68	
80)	Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49	
81)	Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96	
82)	3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82	
83)	Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98	
84)	Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93	
85) c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.217 1.268 1.337 1.257 1.348 1.322 1.287 1.291	3.67
88)	Benzo(b)fluora...	1.358 1.382 1.328 1.120 1.265 1.218 1.136 1.258	8.33
89)	Benzo(k)fluora...	1.167 1.114 1.274 1.083 1.049 1.060 1.054 1.114	7.32
90) C	Benzo(a)pyrene	1.118 1.059 1.131 1.011 1.061 1.051 1.010 1.063	4.44
91)	Dibenzo(a,h)an...	0.966 1.001 1.101 1.016 1.087 1.071 1.028 1.039	4.73
92)	Benzo(g,h,i)pe...	1.011 1.075 1.139 1.043 1.123 1.105 1.063 1.080	4.22

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141290.D
 Acq On : 29 Jan 2025 10:30
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

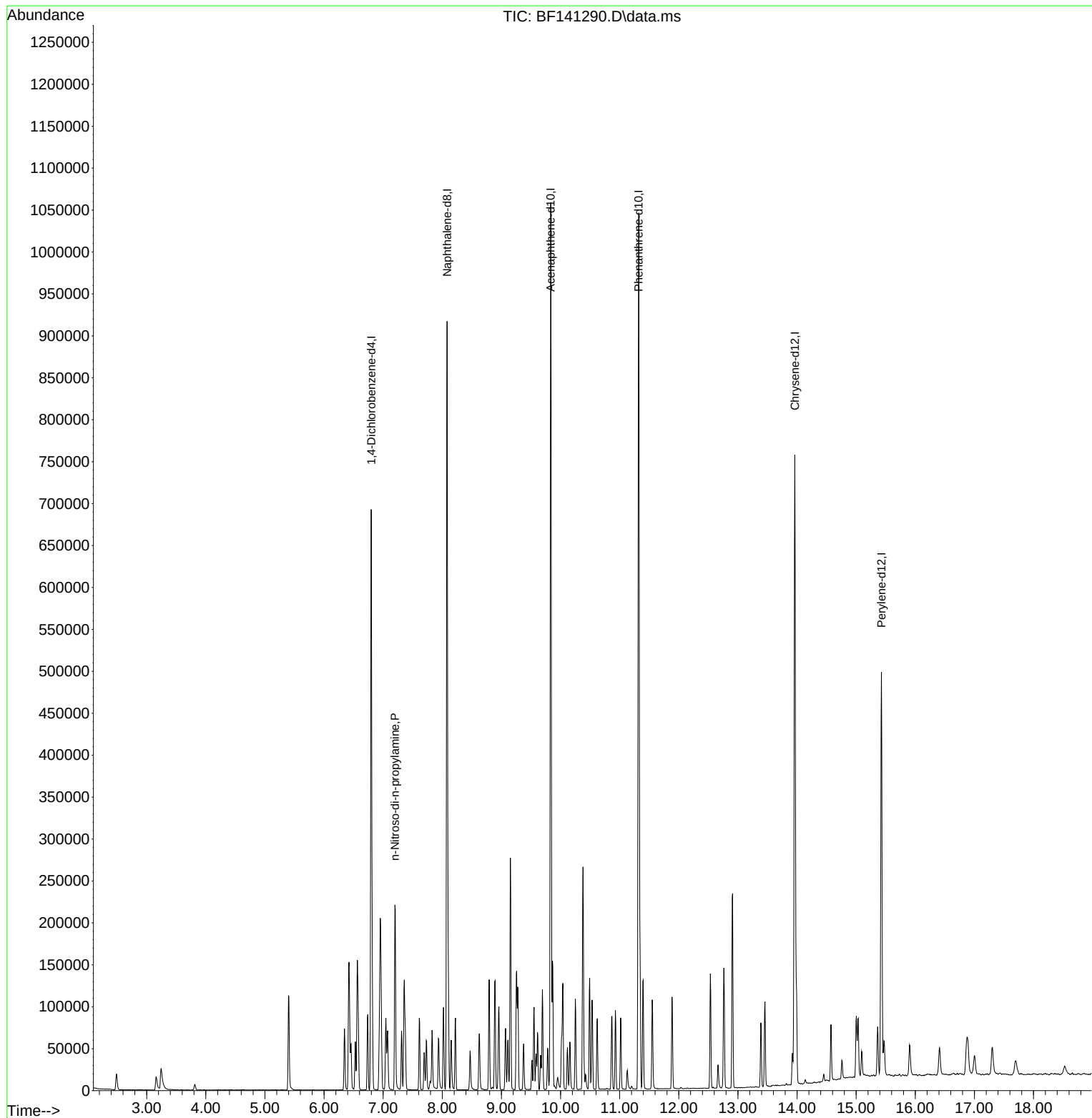
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
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						
19) n-Nitroso-di-n-propyla...	7.198	70	18566	2.764	ng	Qvalue 99

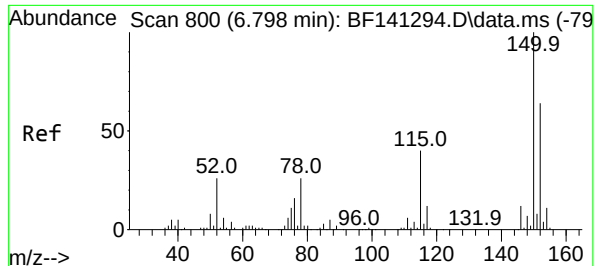
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

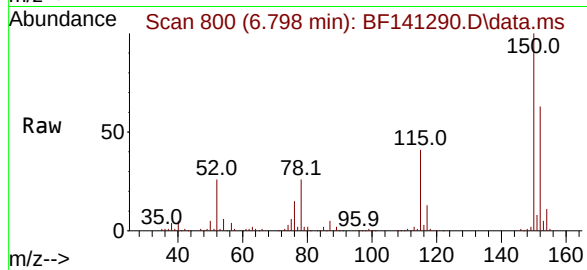
Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



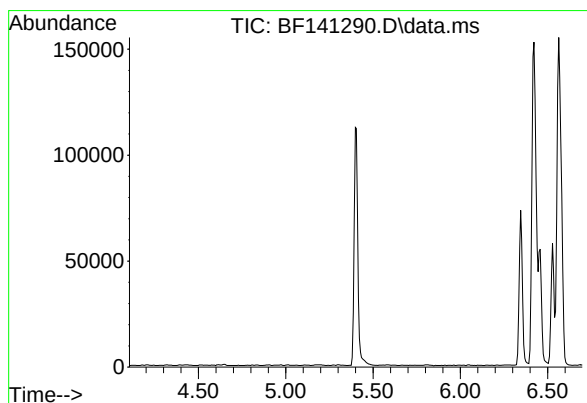
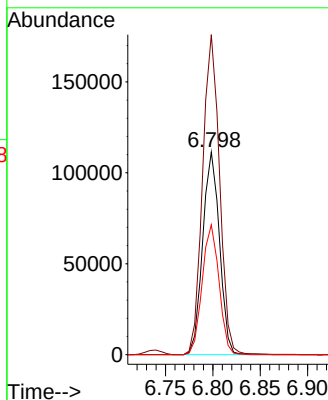
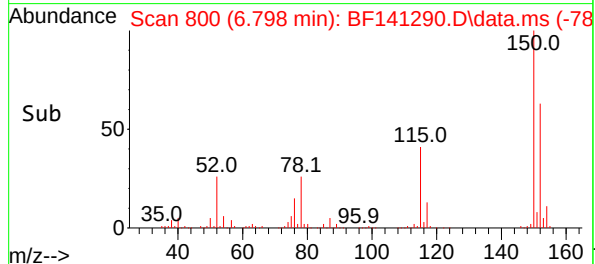


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



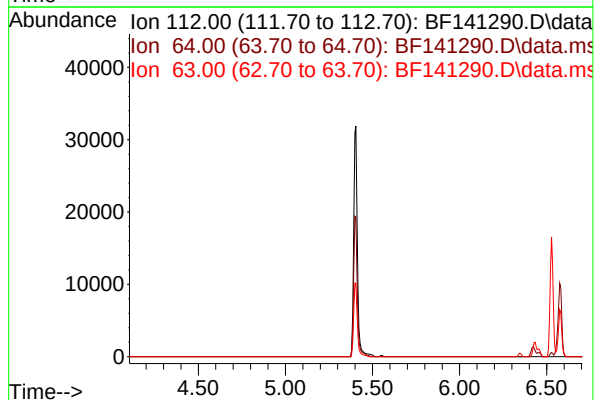
Tgt Ion:152 Resp: 137039
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 64.0 49.7 74.5

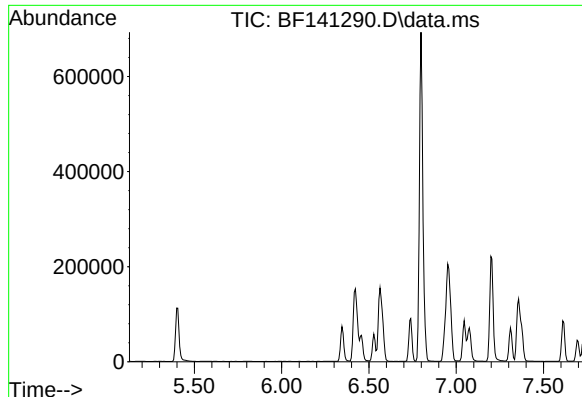


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112
Sig Exp Ratio
112 100
64 62.3
63 32.6





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.43 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

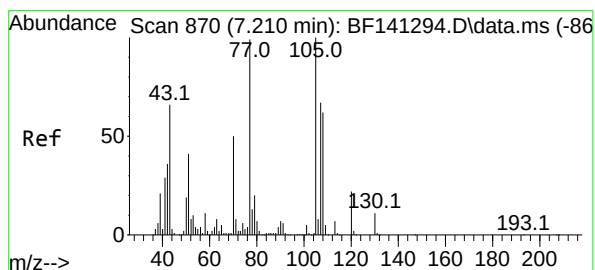
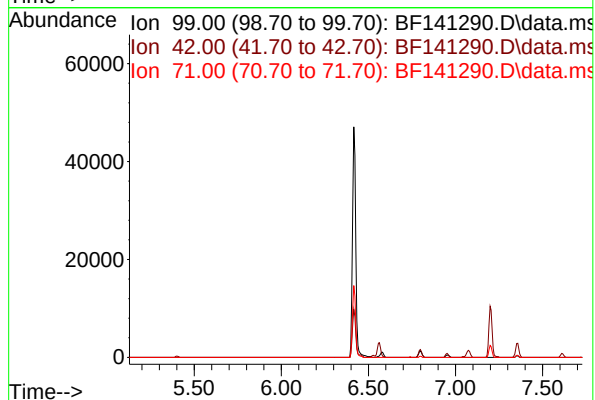
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 33.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.764 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.012 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

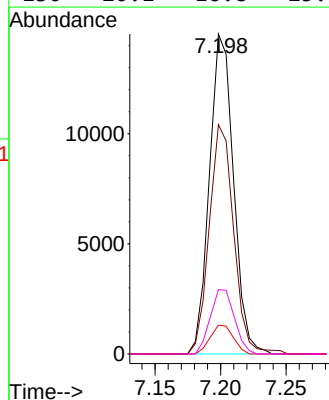
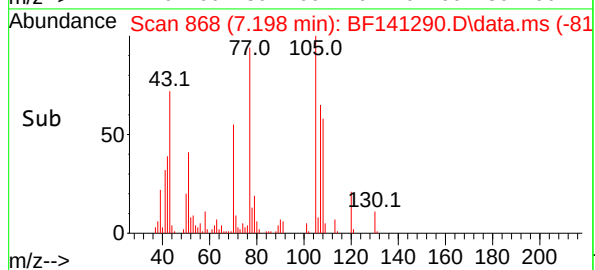
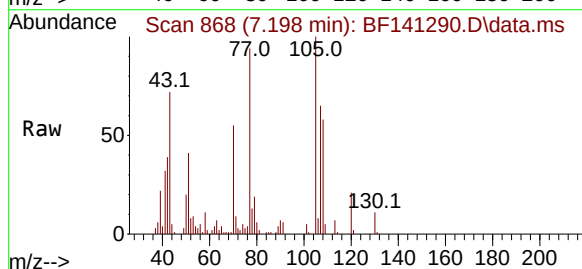
Ion Ratio Lower Upper

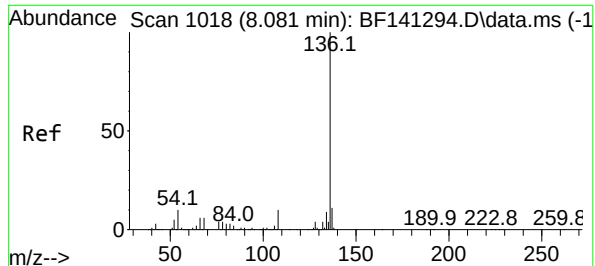
70 100

42 71.6 56.8 85.2

101 9.0 7.7 11.5

130 20.1 16.8 25.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141290.D

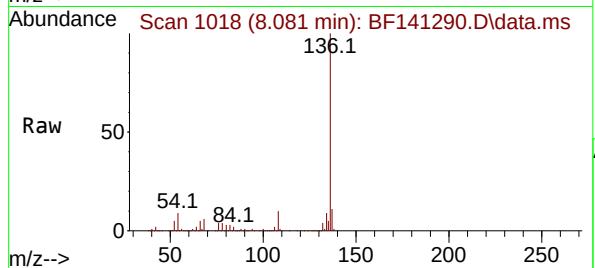
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 552749

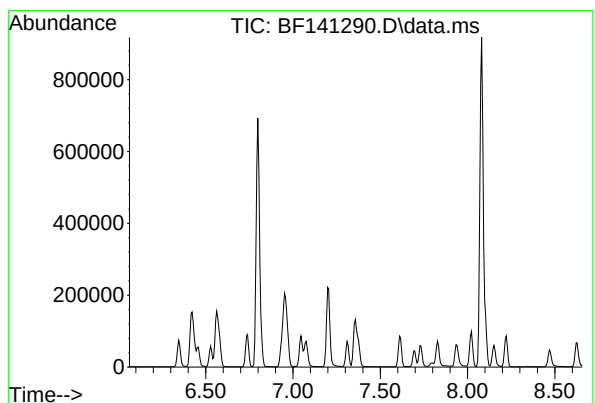
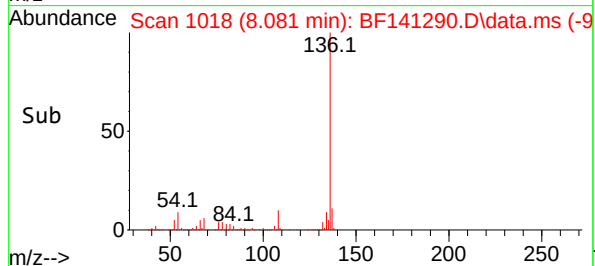
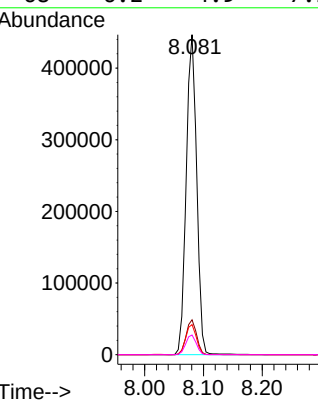
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.4 7.8 11.8

68 6.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.36 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

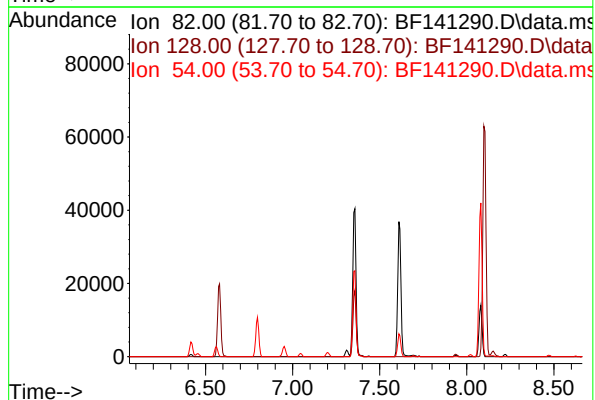
Tgt Ion: 82

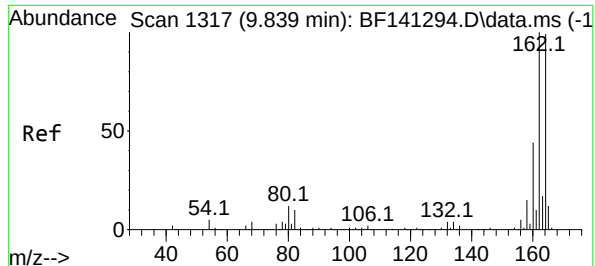
Sig Exp Ratio

82 100

128 44.6

54 58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141290.D

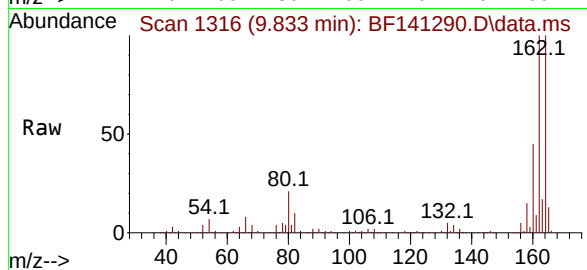
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

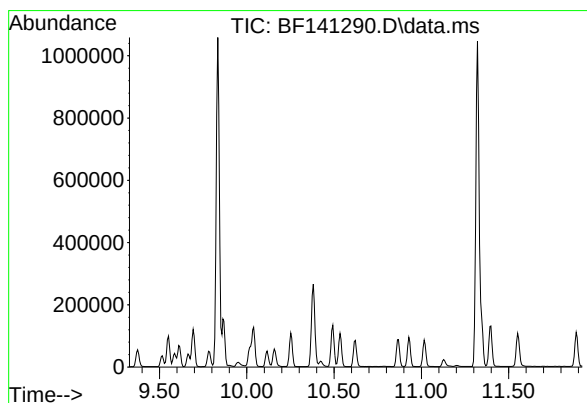
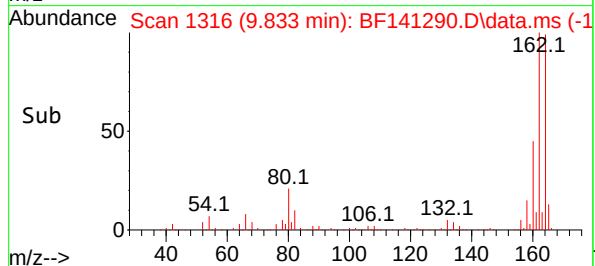
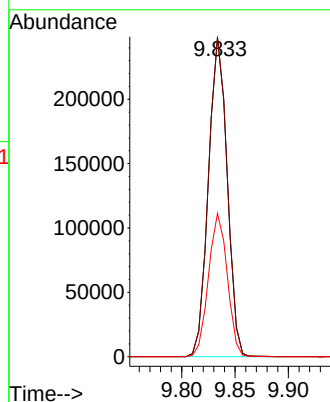
ClientSampleId :

SSTDICC2.5



Tgt Ion:164 Resp: 301993

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

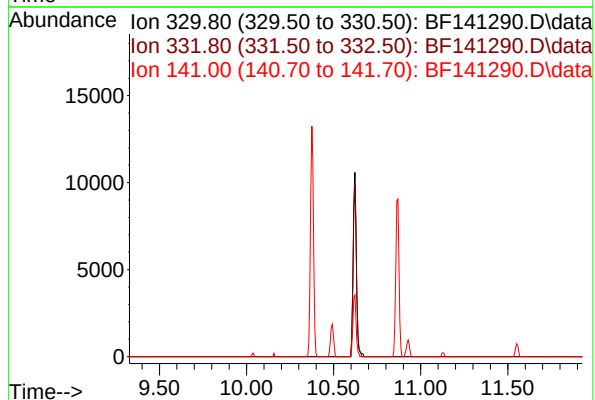
Expected RT: 10.63 min

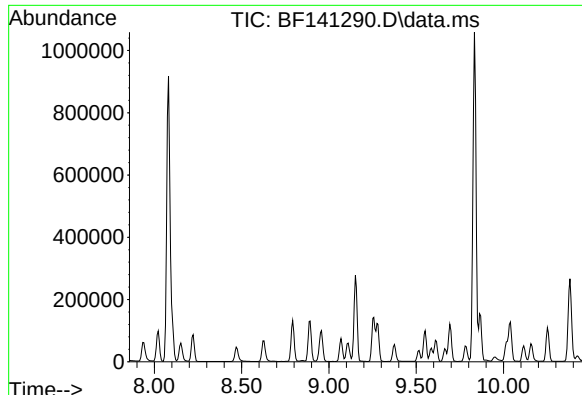
Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.1
141	36.0





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.16 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

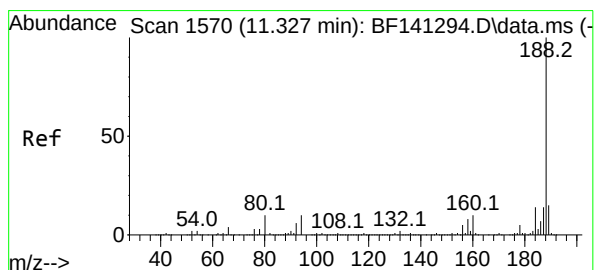
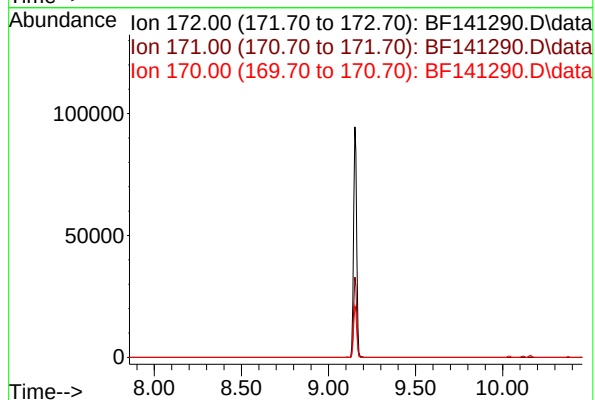
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.0

170 23.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

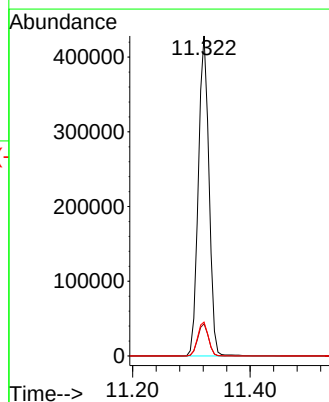
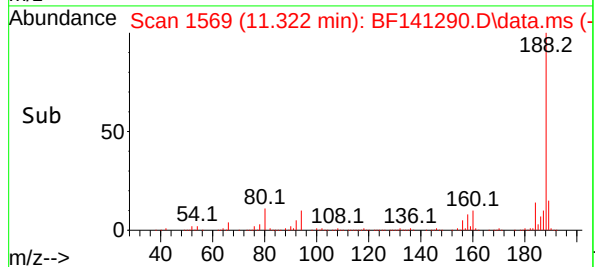
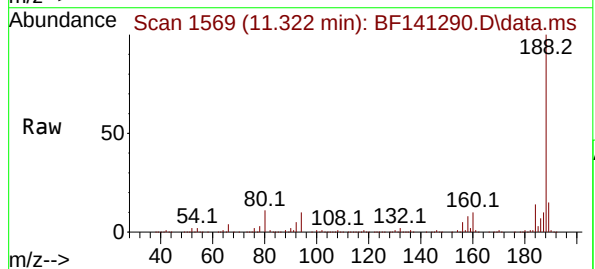
Tgt Ion:188 Resp: 536934

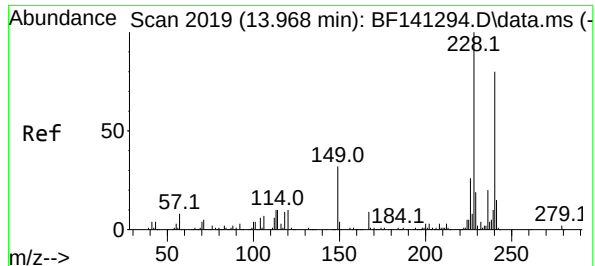
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

80 10.6 8.2 12.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141290.D

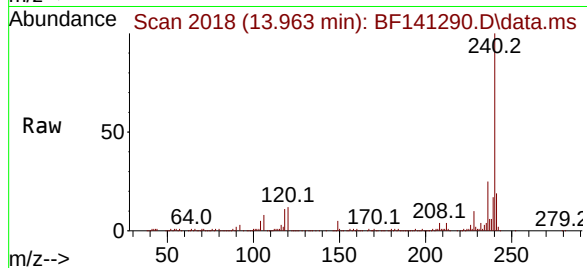
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



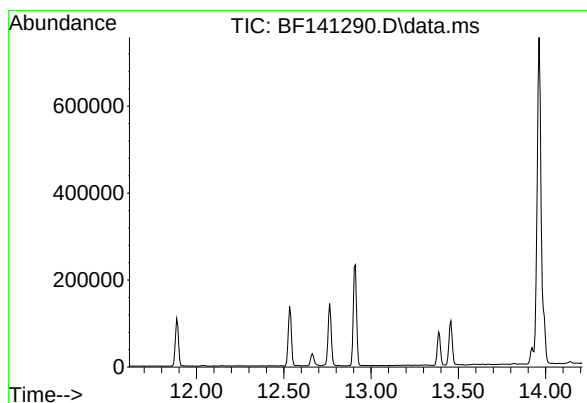
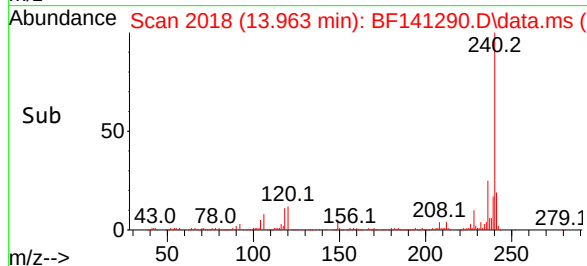
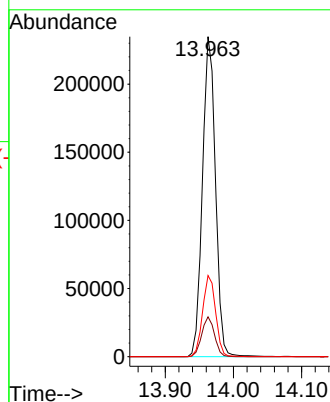
Tgt Ion:240 Resp: 311885

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

236 25.3 19.7 29.5



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 12.92 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

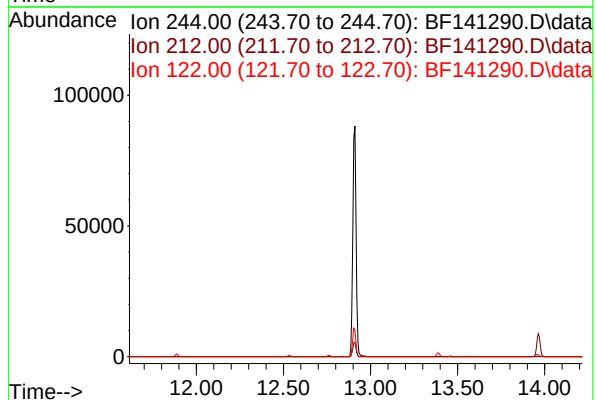
Tgt Ion: 244

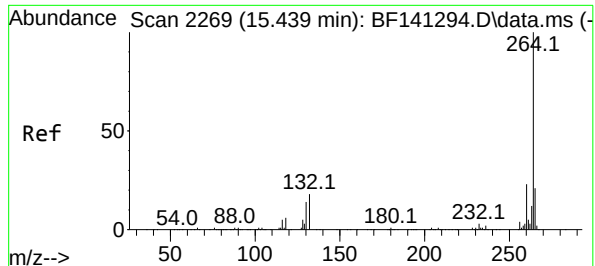
Sig Exp Ratio

244 100

212 6.7

122 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141290.D

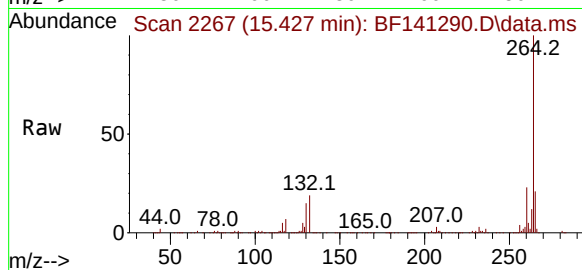
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



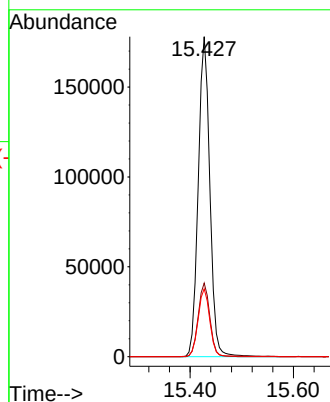
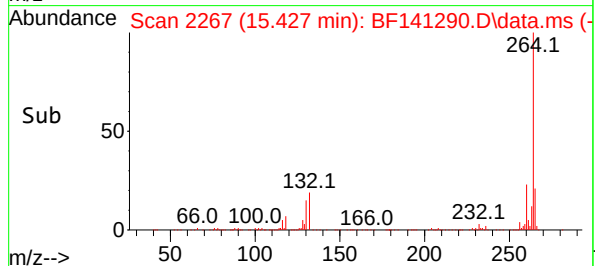
Tgt Ion:264 Resp: 276754

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141291.D
 Acq On : 29 Jan 2025 10:56
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jan 29 16:26:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.799	152	134200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	531551	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	281034	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	497368	20.000	ng	0.00
76) Chrysene-d12	13.963	240	288657	20.000	ng	0.00
86) Perylene-d12	15.427	264	273117	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	95839	11.044	ng	0.00
7) Phenol-d6	6.416	99	123556	11.172	ng	-0.01
23) Nitrobenzene-d5	7.357	82	107680	10.719	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	27799	10.855	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	224446	12.320	ng	0.00
79) Terphenyl-d14	12.910	244	222747	11.874	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	20141	5.229	ng	99
3) Pyridine	3.234	79	45762	4.967	ng	97
4) n-Nitrosodimethylamine	3.158	42	25819	4.894	ng	# 96
6) Aniline	6.457	93	49669	5.373	ng	99
8) 2-Chlorophenol	6.581	128	51505	5.527	ng	96
9) Benzaldehyde	6.346	77	39117	6.090	ng	97
10) Phenol	6.434	94	65035	5.558	ng	93
11) bis(2-Chloroethyl)ether	6.528	93	49579	5.510	ng	98
12) 1,3-Dichlorobenzene	6.740	146	56929	5.539	ng	99
13) 1,4-Dichlorobenzene	6.816	146	57684	5.573	ng	99
14) 1,2-Dichlorobenzene	6.969	146	54653	5.650	ng	98
15) Benzyl Alcohol	6.934	79	38176	5.053	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.075	45	84988	5.436	ng	100
17) 2-Methylphenol	7.046	107	41498	5.500	ng	99
18) Hexachloroethane	7.310	117	20418	5.332	ng	95
19) n-Nitroso-di-n-propyla...	7.198	70	35278	5.363	ng	100
20) 3+4-Methylphenols	7.198	107	52364	5.645	ng	# 90
22) Acetophenone	7.204	105	72756	5.774	ng	98
24) Nitrobenzene	7.375	77	55610	5.337	ng	99
25) Isophorone	7.610	82	92818	5.346	ng	98
26) 2-Nitrophenol	7.693	139	23372	4.789	ng	97
27) 2,4-Dimethylphenol	7.728	122	32462	5.205	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	60286	5.449	ng	98
29) 2,4-Dichlorophenol	7.934	162	40847	5.360	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	49479	5.661	ng	96
31) Naphthalene	8.098	128	158560	5.672	ng	99
32) Benzoic acid	7.793	122	18585	3.281	ng	93
33) 4-Chloroaniline	8.151	127	50760	5.405	ng	97
34) Hexachlorobutadiene	8.222	225	27720	5.419	ng	99
35) Caprolactam	8.475	113	12827	5.204	ng	94
36) 4-Chloro-3-methylphenol	8.622	107	43627	5.334	ng	97
37) 2-Methylnaphthalene	8.793	142	100305	5.634	ng	98
38) 1-Methylnaphthalene	8.893	142	100569	5.767	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	43228	5.410	ng	97
41) Hexachlorocyclopentadiene	8.945	237	9555	3.985	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	26790	5.136	ng	97

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 Data File : BF141291.D
 Acq On : 29 Jan 2025 10:56
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

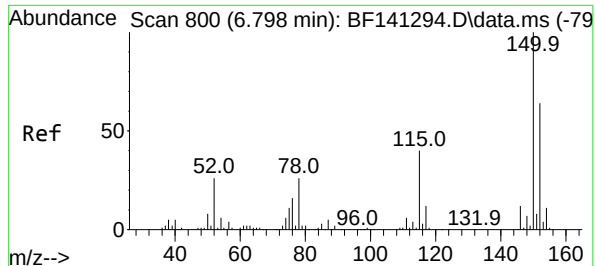
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	9.551	163	105240	5.584	ng	99
51) 2,6-Dinitrotoluene	9.616	165	23372	5.329	ng	95
52) Acenaphthene	9.869	154	95591	5.617	ng	100
53) 3-Nitroaniline	9.781	138	22582	5.206	ng	91
55) Dibenzofuran	10.039	168	131288	5.769	ng	98
56) 4-Nitrophenol	9.945	139	13160	4.226	ng	89
57) 2,4-Dinitrotoluene	10.016	165	29799	5.268	ng	98
58) Fluorene	10.381	166	106198	6.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22818	5.090	ng	96
60) Diethylphthalate	10.251	149	103307	5.660	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	51875	6.007	ng	98
62) 4-Nitroaniline	10.387	138	20870	5.008	ng	95
63) Azobenzene	10.534	77	102878	5.623	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	9960	3.353	ng	92
66) n-Nitrosodiphenylamine	10.492	169	89060	5.523	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	29160	5.245	ng	94
68) Hexachlorobenzene	10.928	284	31990	5.424	ng	98
69) Atrazine	11.016	200	26258	4.855	ng	97
70) Pentachlorophenol	11.128	266	13924	4.027	ng	96
71) Phenanthrene	11.345	178	153320	5.738	ng	99
72) Anthracene	11.398	178	146593	5.625	ng	99
73) Carbazole	11.551	167	126760	5.491	ng	99
74) Di-n-butylphthalate	11.886	149	154718	5.560	ng	100
75) Fluoranthene	12.533	202	148553	5.696	ng	99
77) Benzidine	12.663	184	63661	7.253	ng	98
78) Pyrene	12.763	202	157175	5.639	ng	99
80) Butylbenzylphthalate	13.386	149	49477	5.140	ng	99
81) Benzo(a)anthracene	13.951	228	110559	5.588	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	29754	4.803	ng	100
83) Chrysene	13.992	228	96099	5.238	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	63638	5.269	ng	98
85) Di-n-octyl phthalate	14.574	149	86163	4.560	ng	98
87) Indeno(1,2,3-cd)pyrene	16.863	276	83074	4.657	ng	99
88) Benzo(b)fluoranthene	14.998	252	92690	5.465	ng	99
89) Benzo(k)fluoranthene	15.027	252	79701	5.247	ng	99
90) Benzo(a)pyrene	15.363	252	76368	5.268	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	65991	4.615	ng	99
92) Benzo(g,h,i)perylene	17.298	276	69049	4.591	ng	97

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

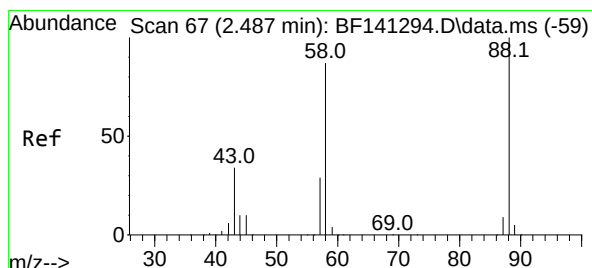
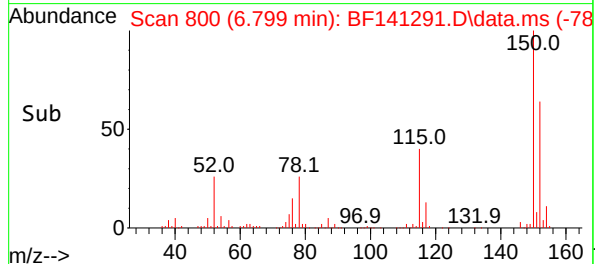
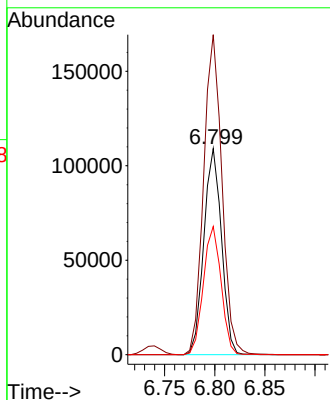
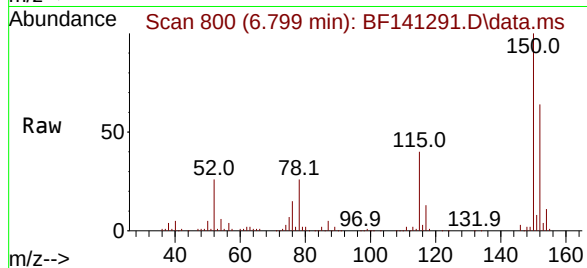
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

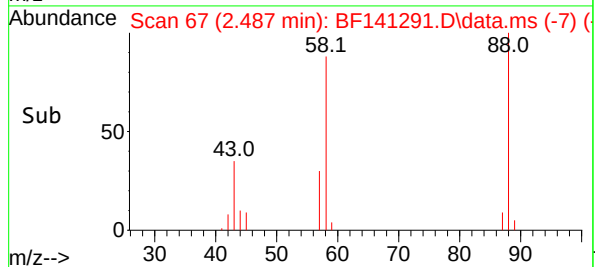
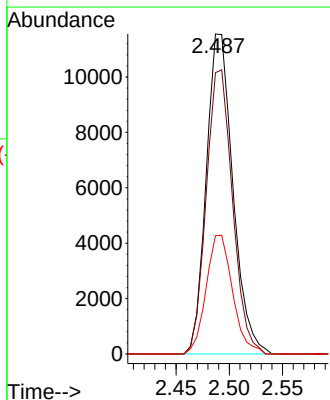
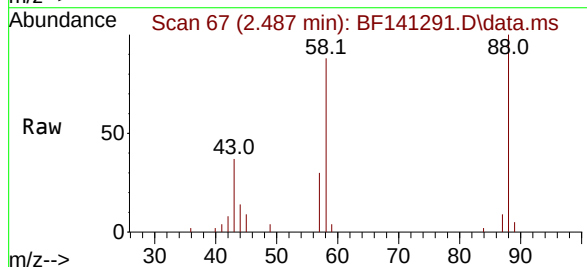
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

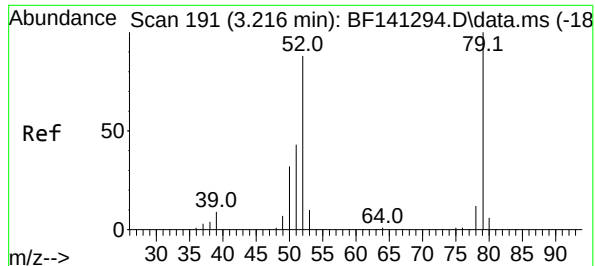
Tgt Ion:152 Resp: 134200
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 62.2 49.7 74.5



#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.4
43 36.8 27.6 41.4





#3

Pyridine

Concen: 4.967 ng

RT: 3.234 min Scan# 191

Delta R.T. 0.018 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

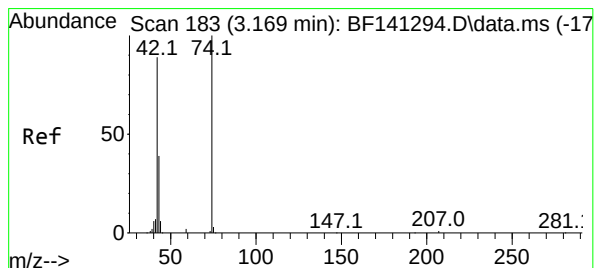
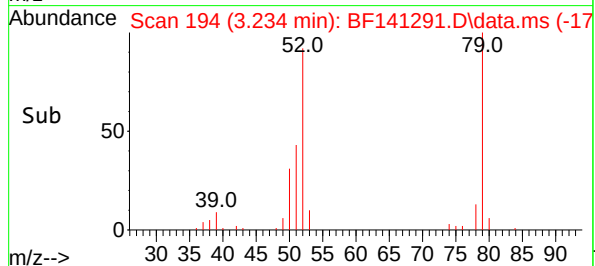
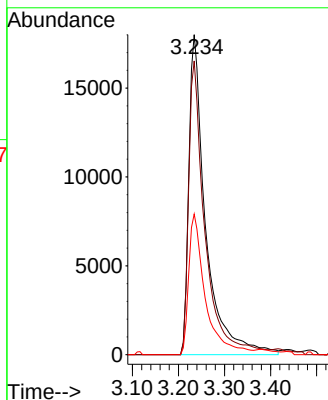
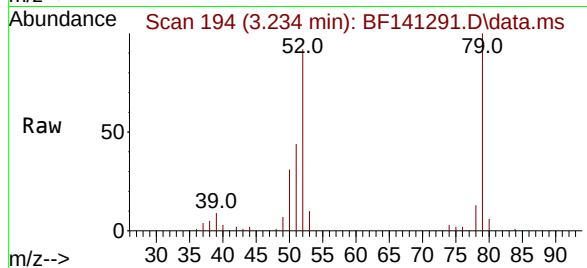
Tgt Ion: 79 Resp: 45762

Ion Ratio Lower Upper

79 100

52 91.8 70.3 105.5

51 43.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 4.894 ng

RT: 3.158 min Scan# 181

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

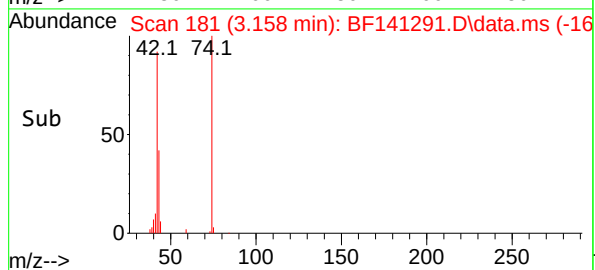
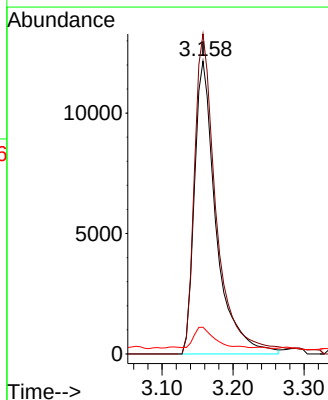
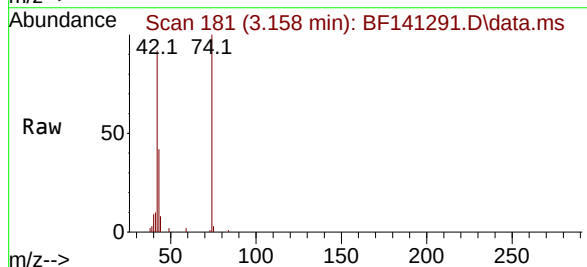
Tgt Ion: 42 Resp: 25819

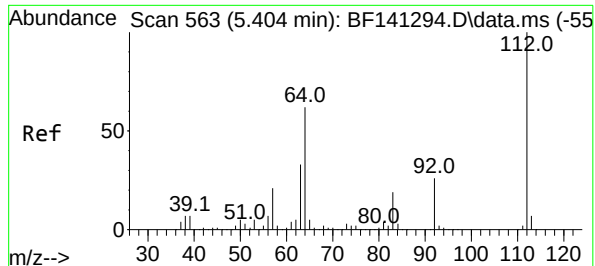
Ion Ratio Lower Upper

42 100

74 109.3 90.3 135.5

44 9.1 5.7 8.5

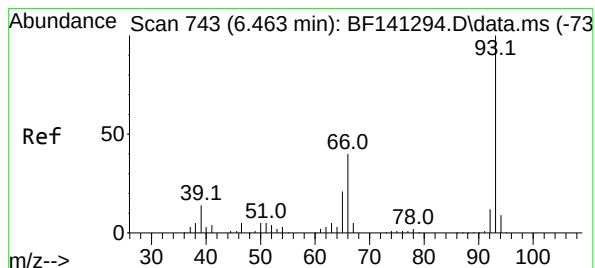
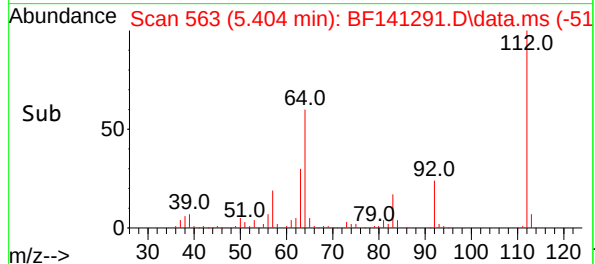
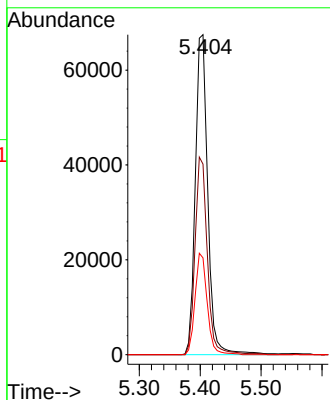
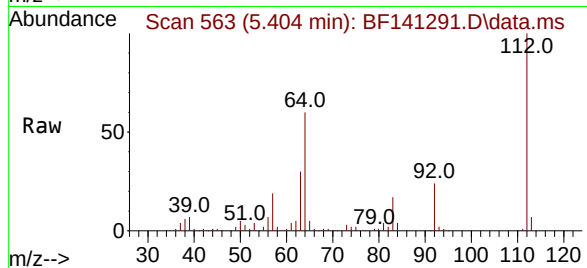




#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

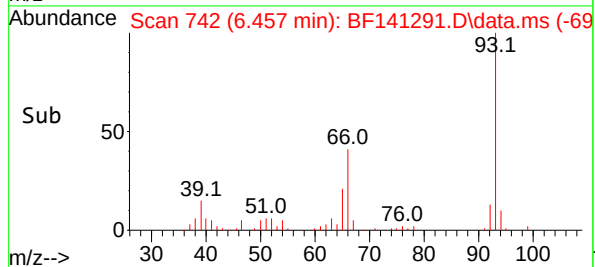
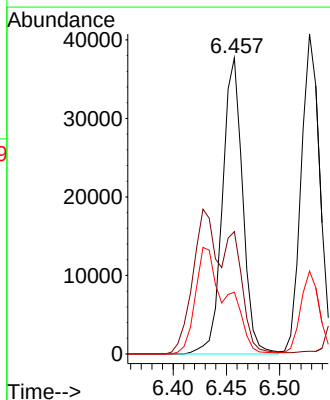
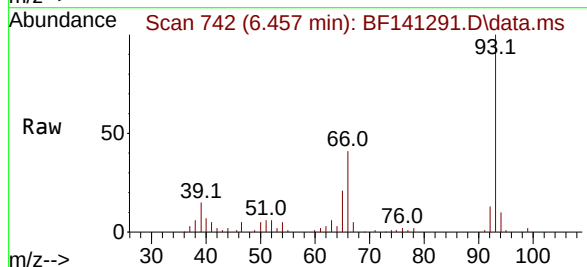
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

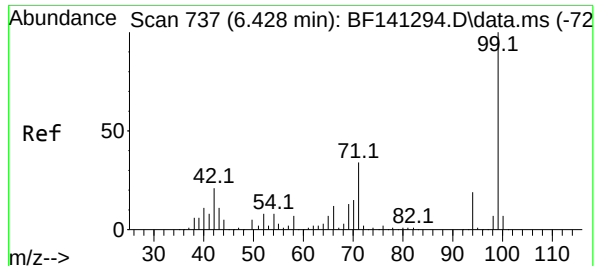
Tgt Ion:112 Resp: 95839
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 30.2 26.1 39.1



#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669
Ion Ratio Lower Upper
93 100
66 41.4 32.5 48.7
65 20.9 17.0 25.6





#7

Phenol-d6

Concen: 11.172 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

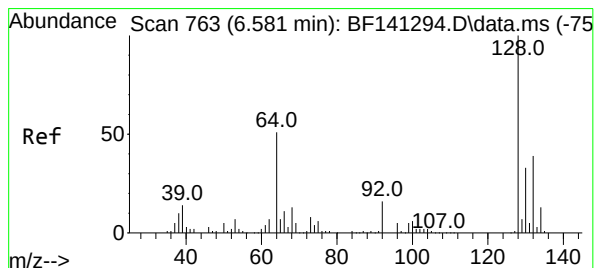
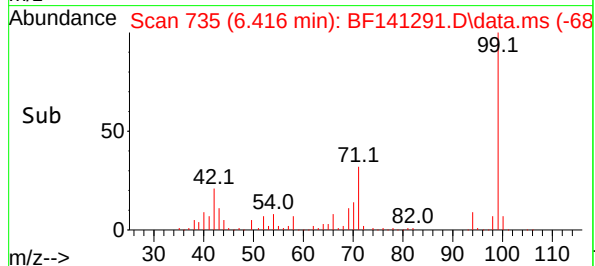
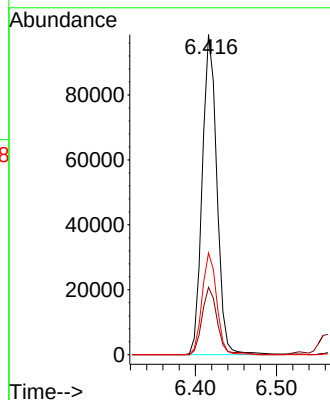
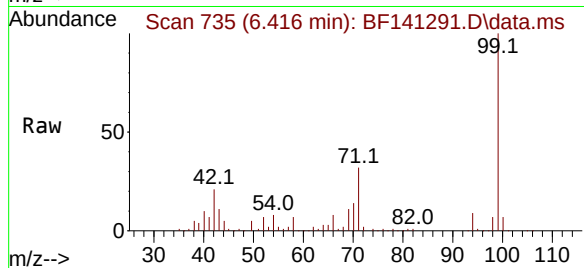
Tgt Ion: 99 Resp: 123556

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

71 31.8 26.9 40.3



#8

2-Chlorophenol

Concen: 5.527 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

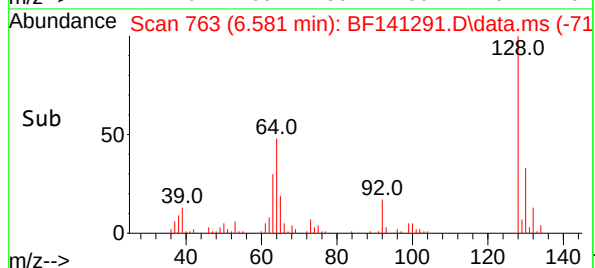
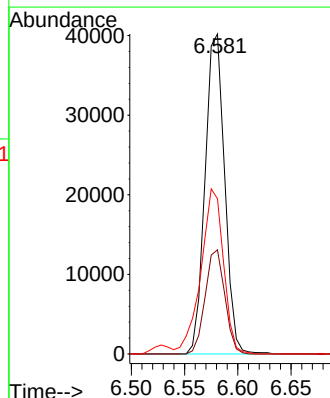
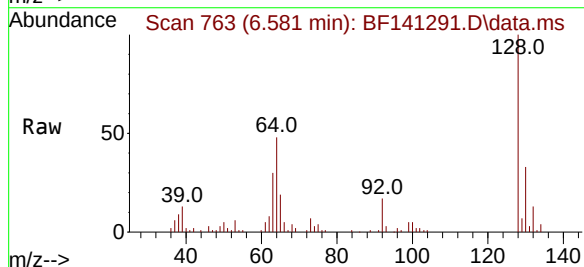
Tgt Ion:128 Resp: 51505

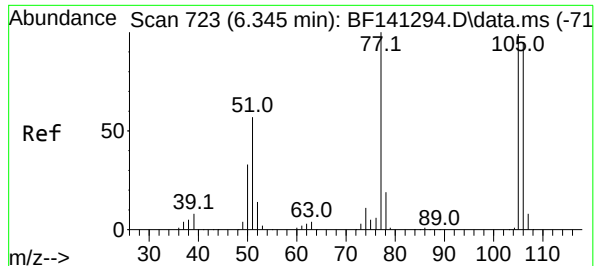
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 48.5 32.9 72.9



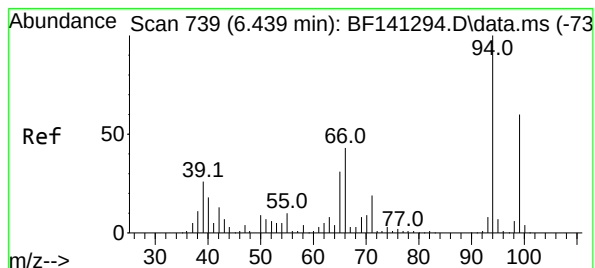
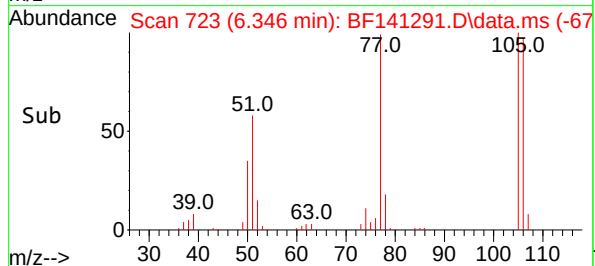
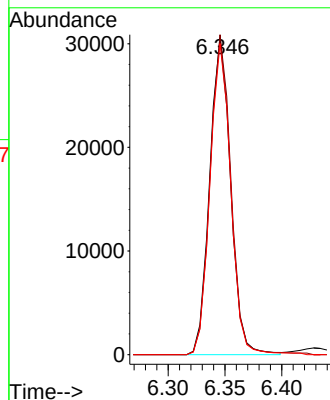
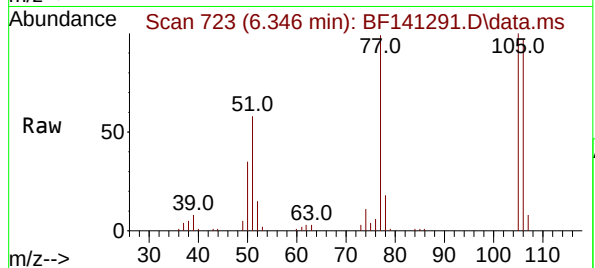


#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 39117

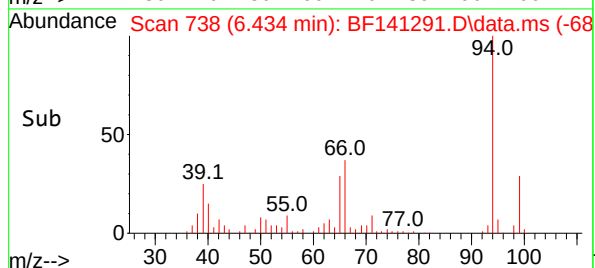
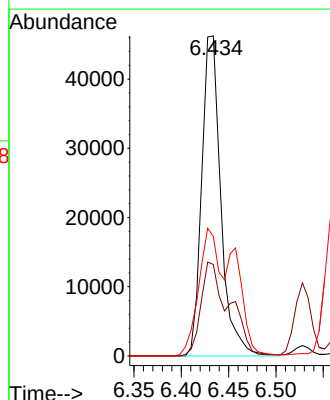
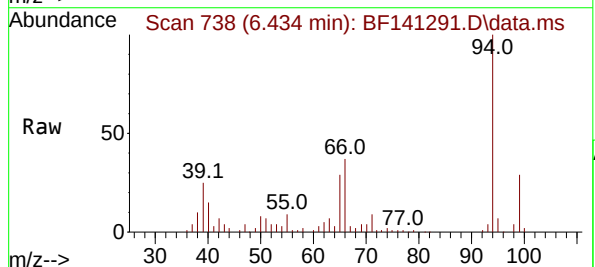
Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	98.1	74.6	114.6

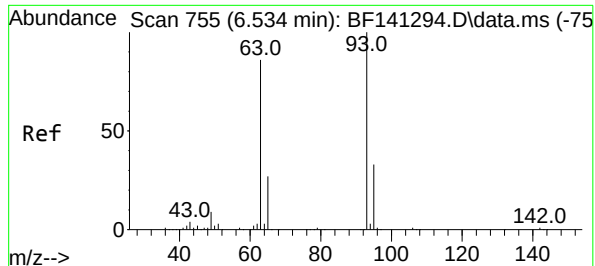


#10
Phenol
Concen: 5.558 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 94 Resp: 65035

Ion	Ratio	Lower	Upper
94	100		
65	28.6	10.8	50.8
66	37.4	23.3	63.3

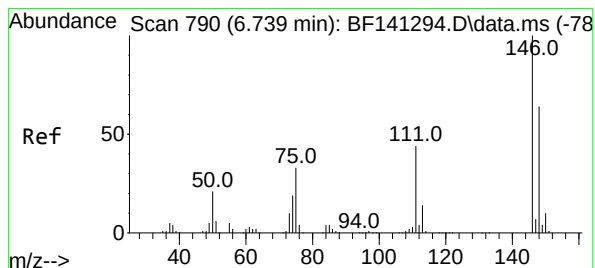
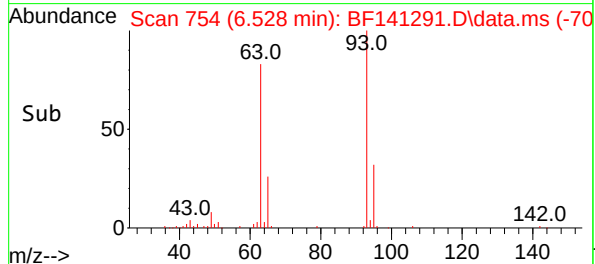
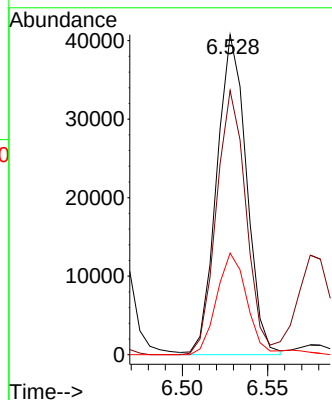
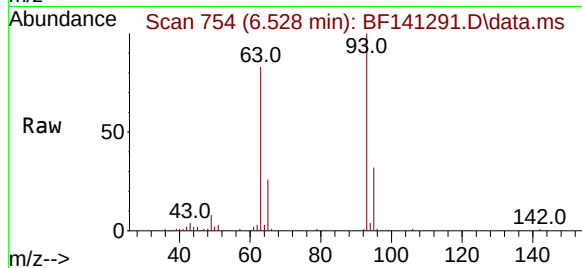




#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

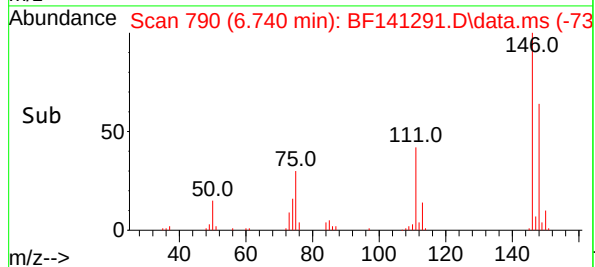
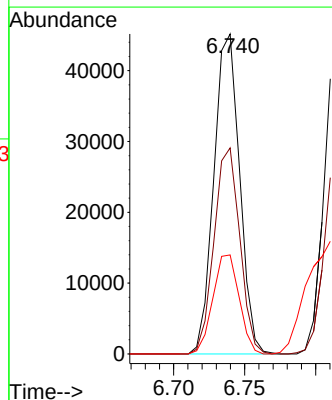
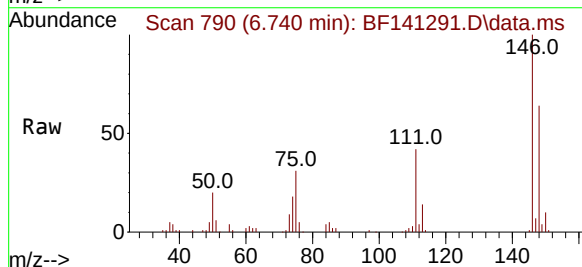
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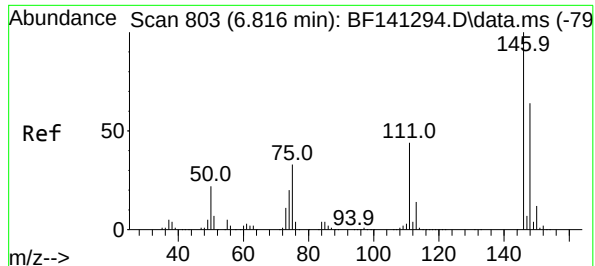
Tgt Ion: 93 Resp: 49579
Ion Ratio Lower Upper
93 100
63 82.6 65.0 105.0
95 31.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 146 Resp: 56929
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 30.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 5.573 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

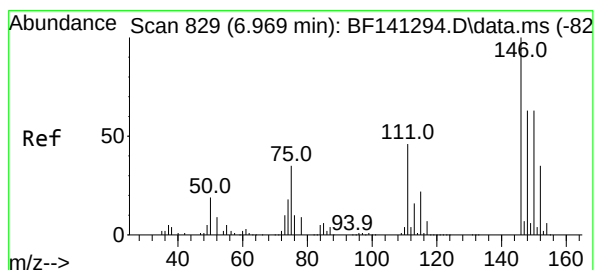
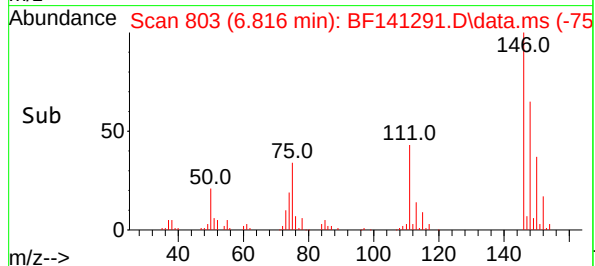
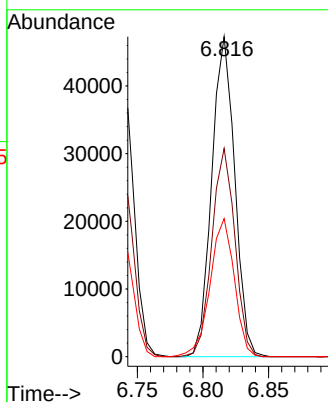
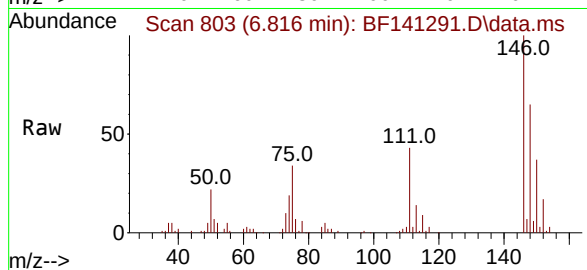
Tgt Ion:146 Resp: 57684

Ion Ratio Lower Upper

146 100

148 65.0 51.2 76.8

111 43.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 5.650 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

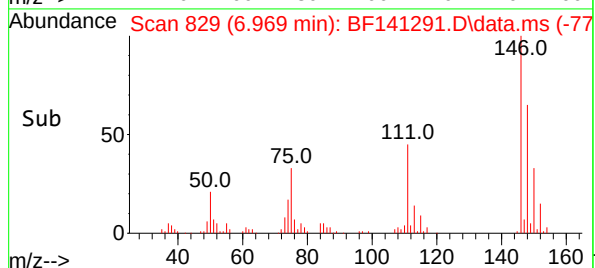
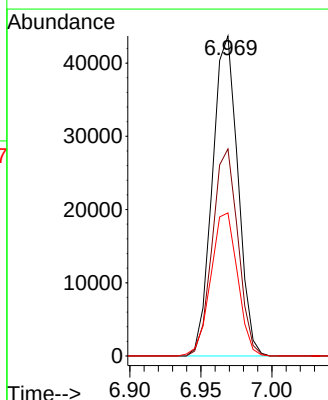
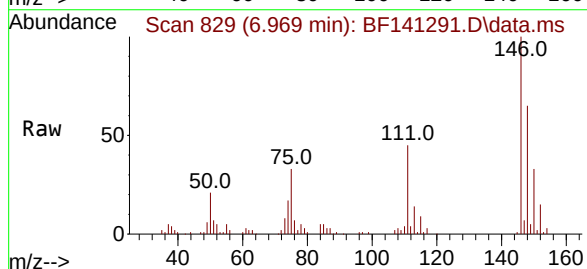
Tgt Ion:146 Resp: 54653

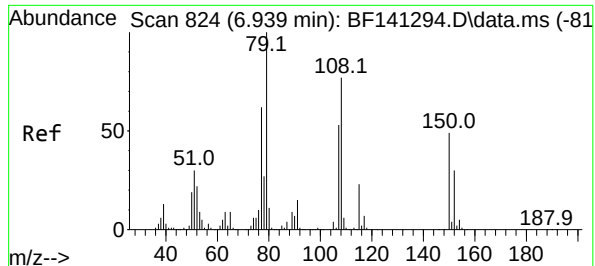
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 44.7 36.6 55.0

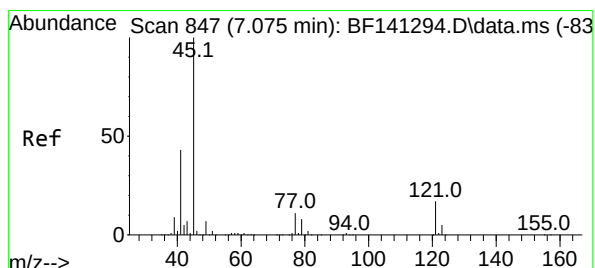
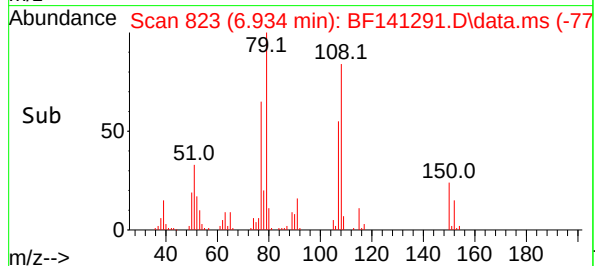
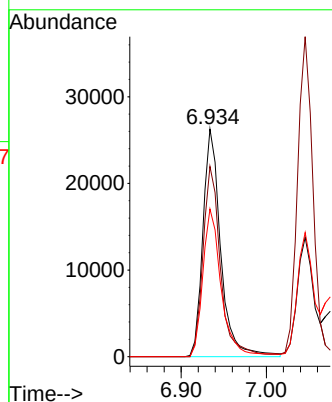
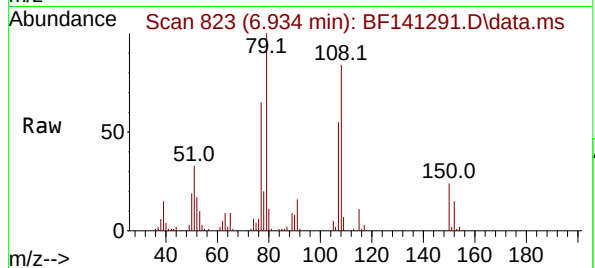




#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

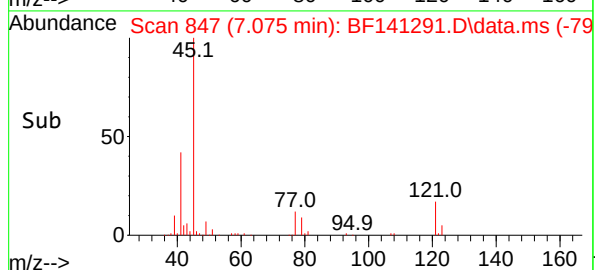
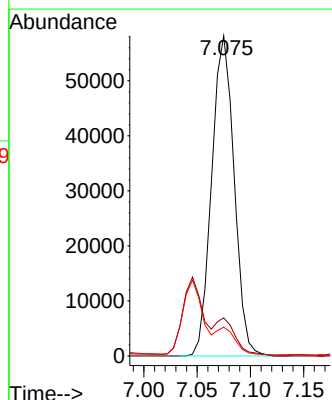
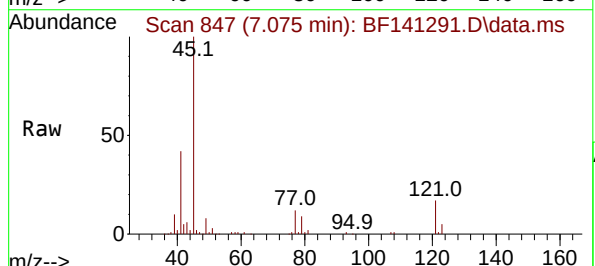
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

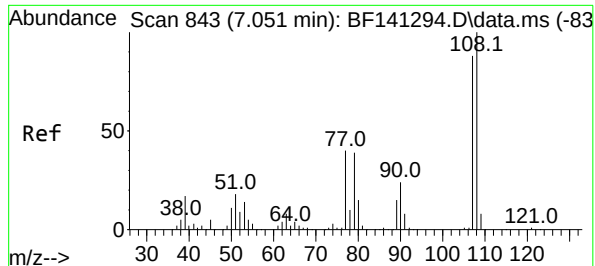
Tgt Ion: 79 Resp: 38176
Ion Ratio Lower Upper
79 100
108 83.6 61.4 92.0
77 64.8 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 5.436 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 45 Resp: 84988
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.8
79 9.0 0.0 29.1

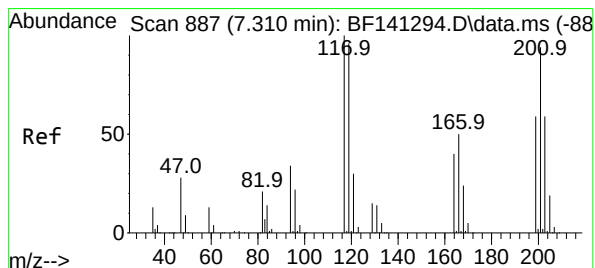
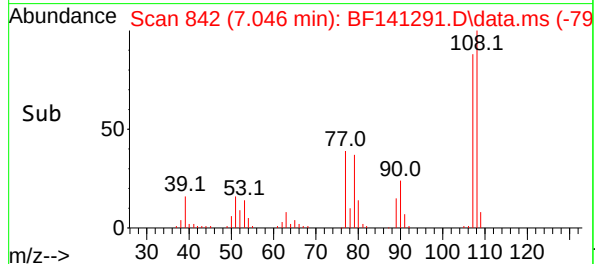
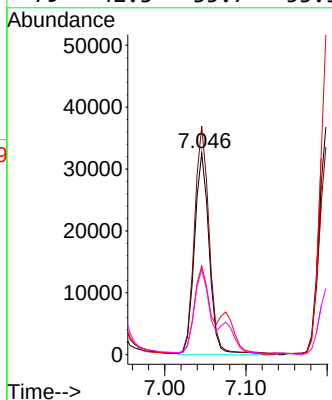
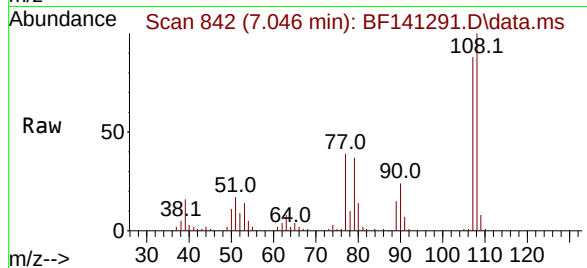




#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

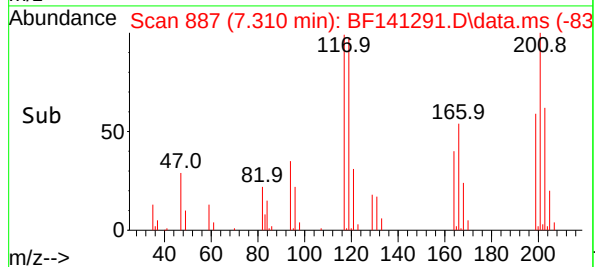
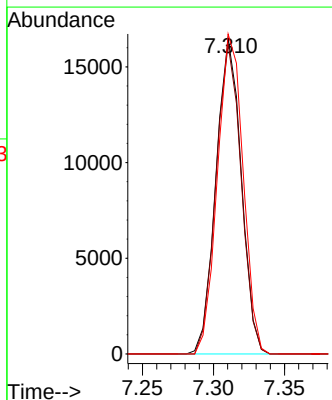
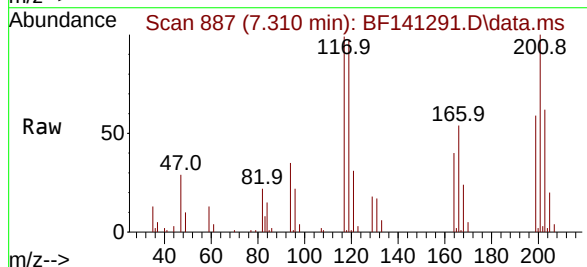
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

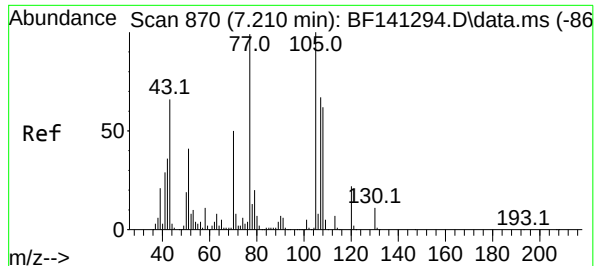
Tgt Ion:	107	Resp:	41498
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5



#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	117	Resp:	20418
Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.6	114.8
201	101.4	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 5.363 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 35278

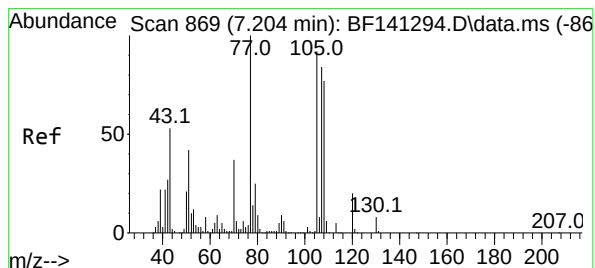
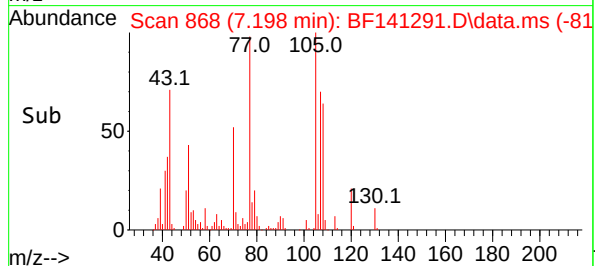
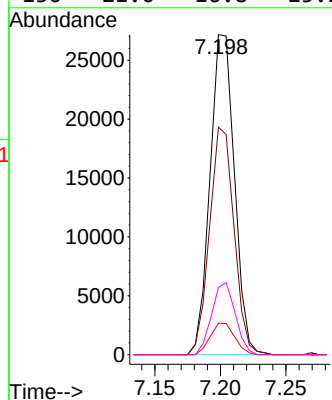
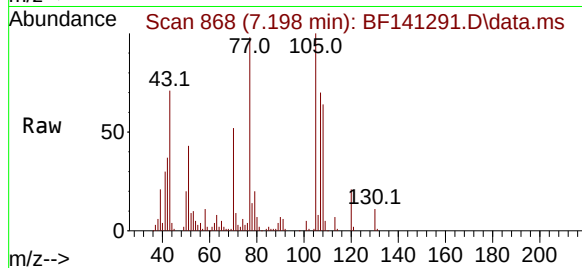
Ion Ratio Lower Upper

70 100

42 71.1 56.8 85.2

101 9.9 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 5.645 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 52364

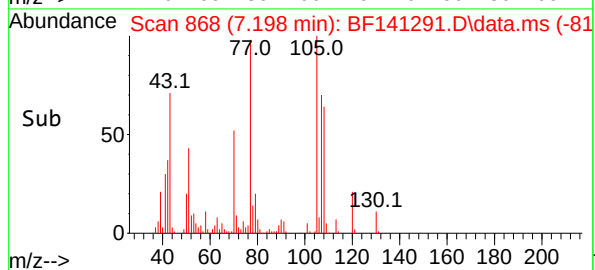
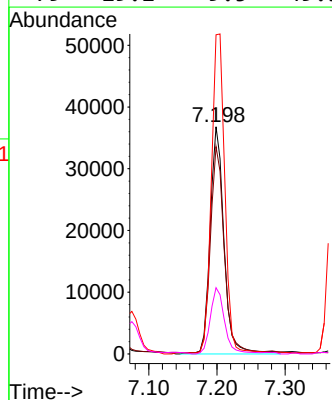
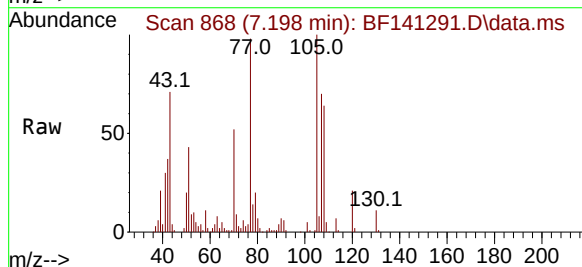
Ion Ratio Lower Upper

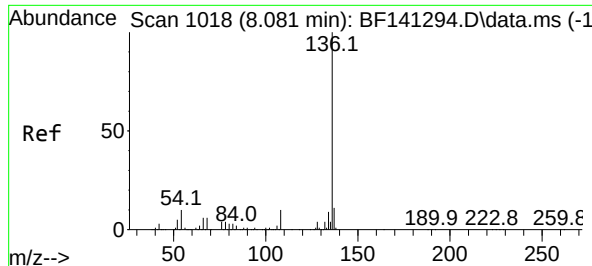
107 100

108 91.3 70.9 110.9

77 140.5 98.5 138.5#

79 29.2 9.5 49.5

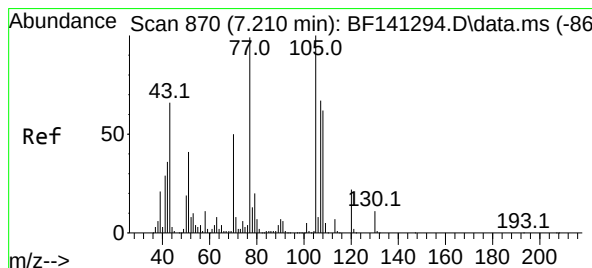
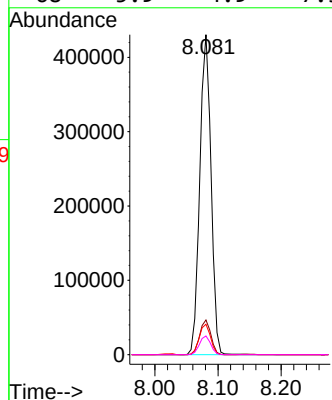
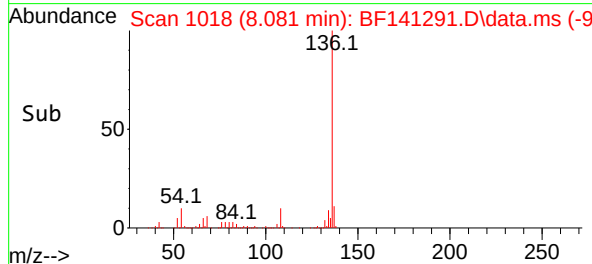
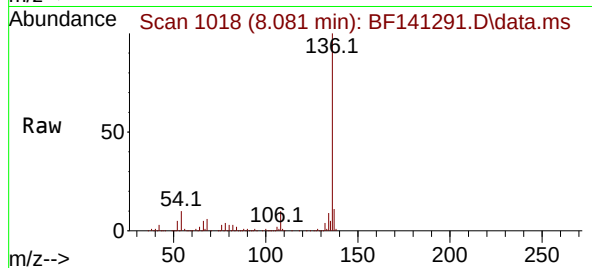




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

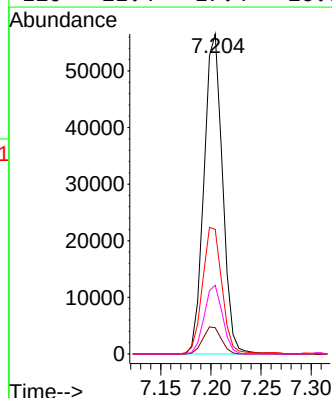
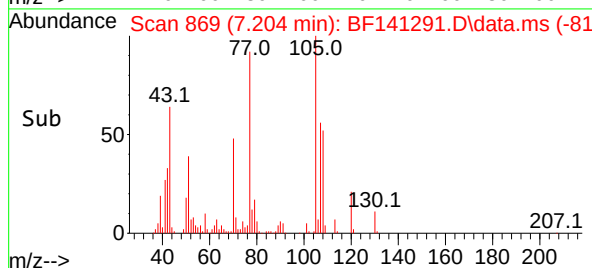
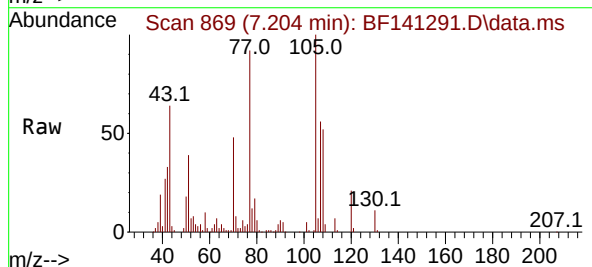
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

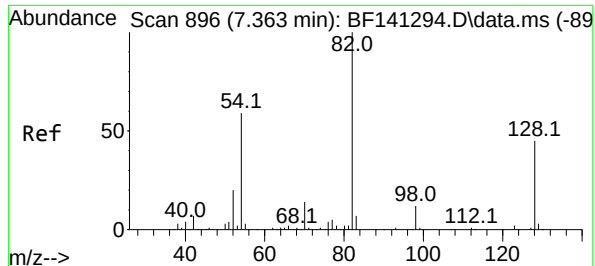
Tgt Ion:	136	Resp:	531551
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	105	Resp:	72756
Ion Ratio	Lower	Upper	
105	100		
71	8.2	6.8	10.2
51	38.9	32.6	49.0
120	21.4	17.4	26.0





#23

Nitrobenzene-d5

Concen: 10.719 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

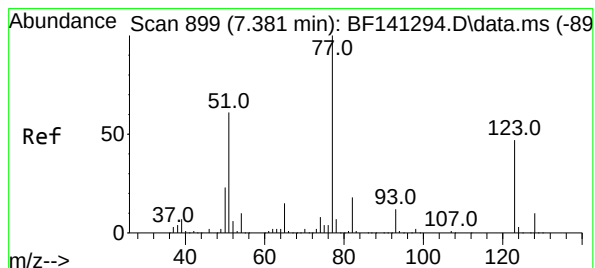
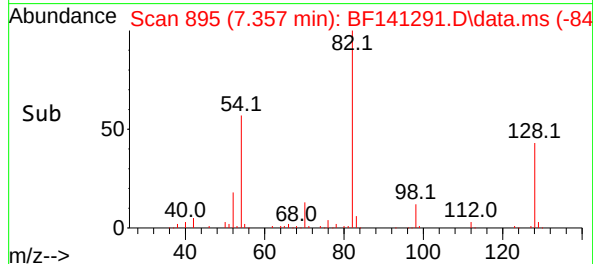
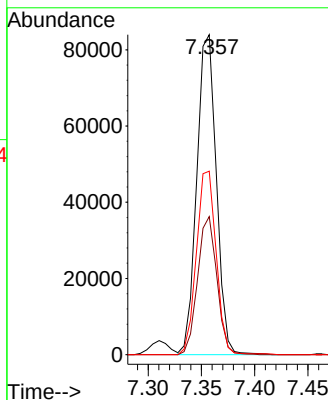
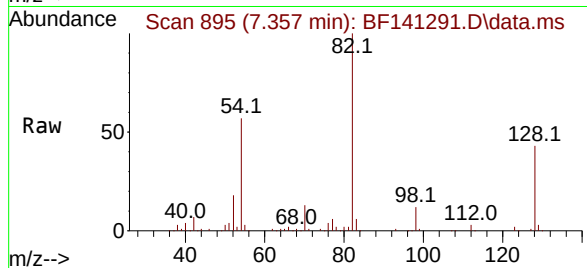
BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 107680

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	57.4	47.1	70.7



#24

Nitrobenzene

Concen: 5.337 ng

RT: 7.375 min Scan# 898

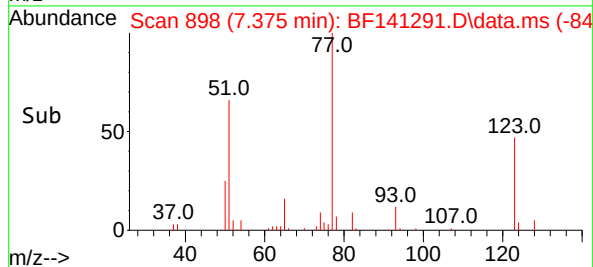
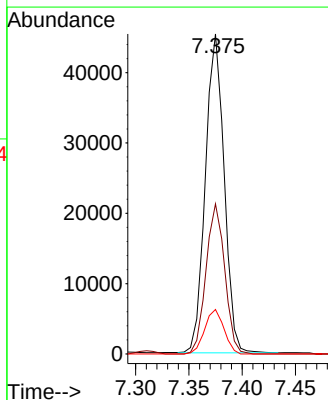
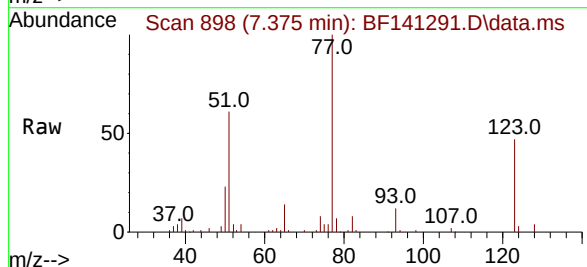
Delta R.T. -0.006 min

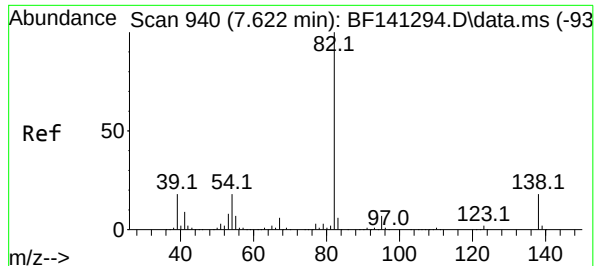
Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 55610

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.3	55.9
65	13.9	11.8	17.6

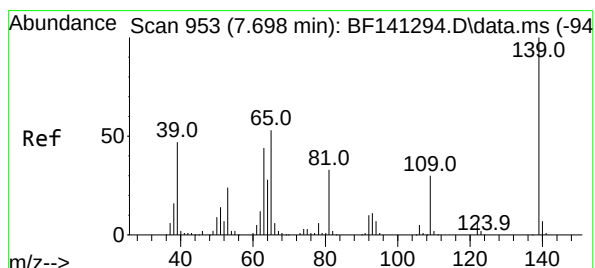
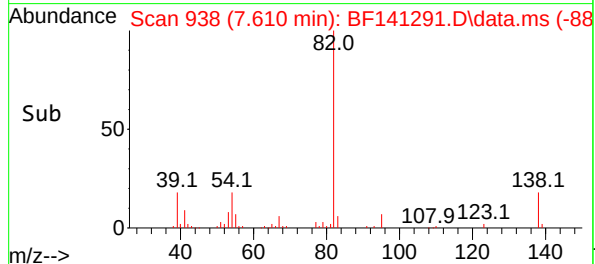
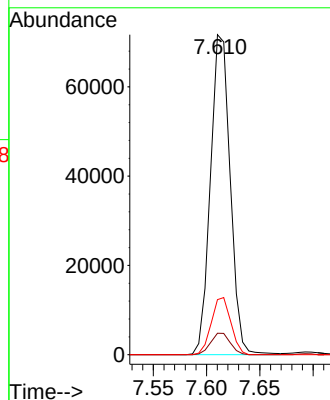
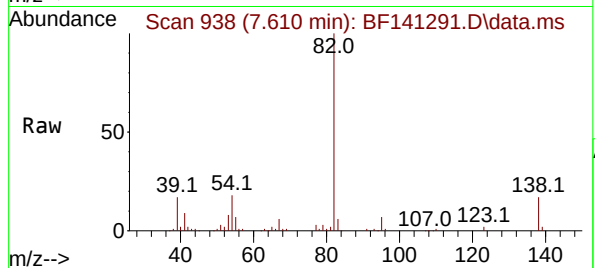




#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

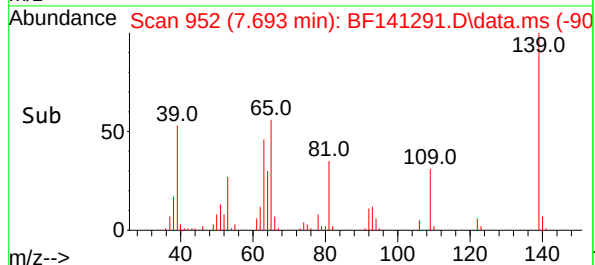
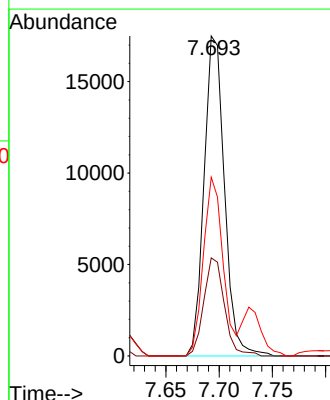
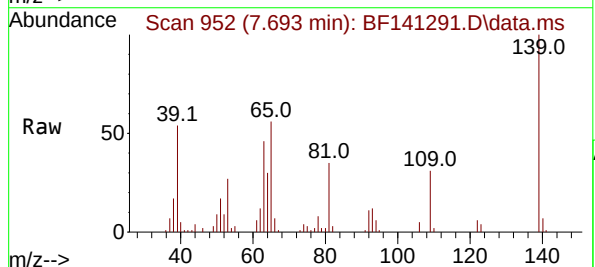
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

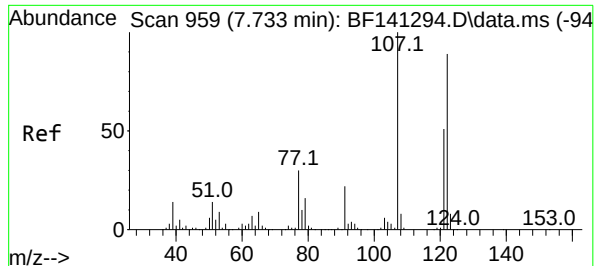
Tgt Ion: 82 Resp: 92818
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 17.2 14.7 22.1



#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 139 Resp: 23372
Ion Ratio Lower Upper
139 100
109 30.7 23.8 35.6
65 55.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 5.205 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

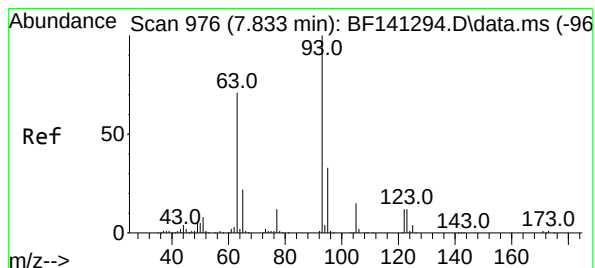
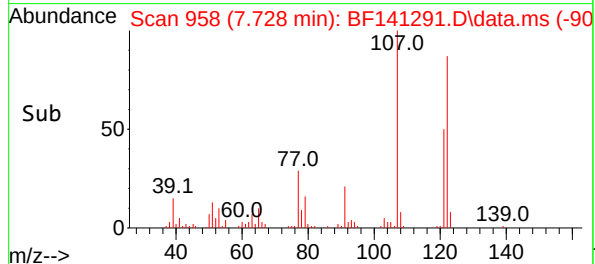
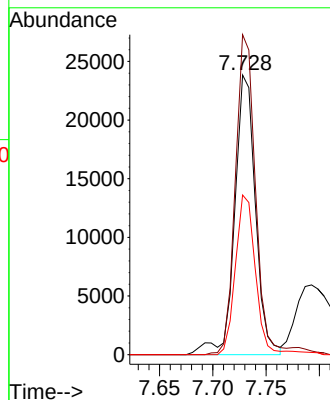
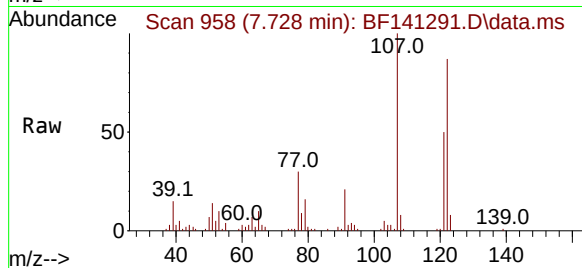
Tgt Ion:122 Resp: 32462

Ion Ratio Lower Upper

122 100

107 114.4 89.9 134.9

121 57.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.449 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

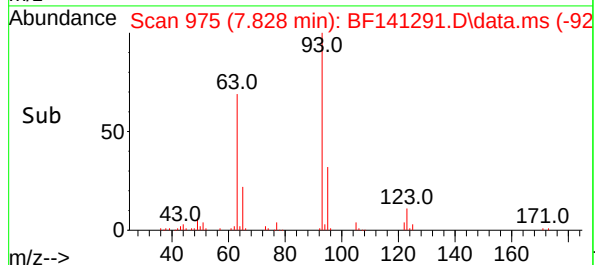
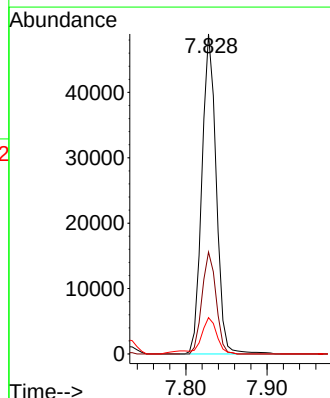
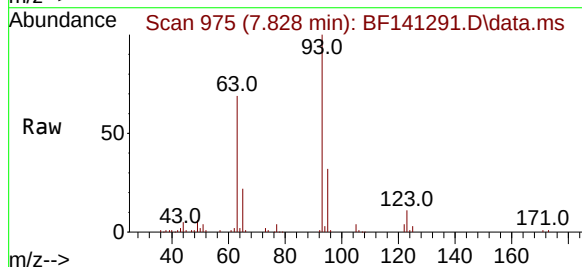
Tgt Ion: 93 Resp: 60286

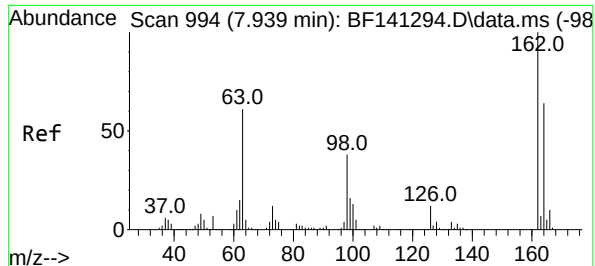
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 11.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 5.360 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

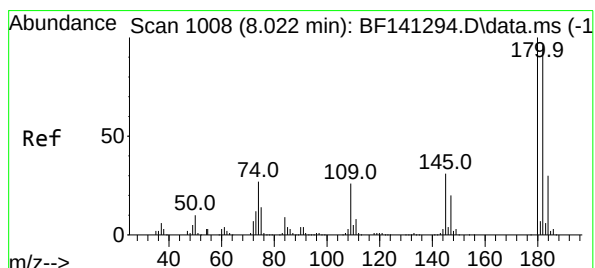
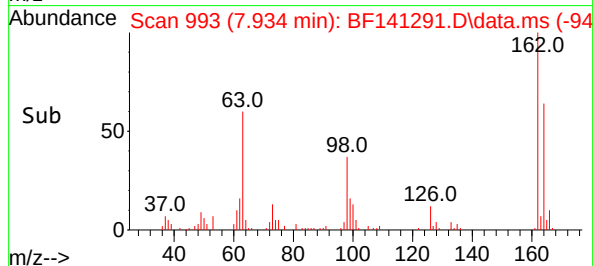
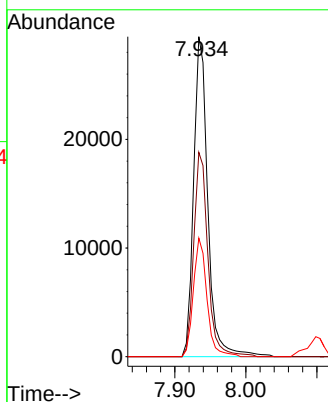
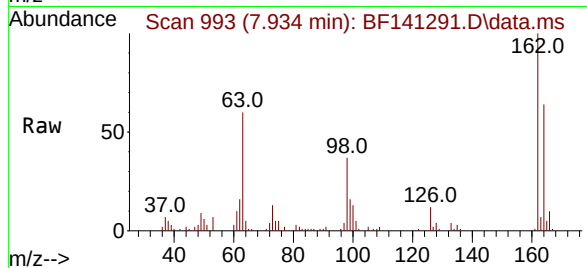
Tgt Ion:162 Resp: 40847

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 37.0 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 5.661 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

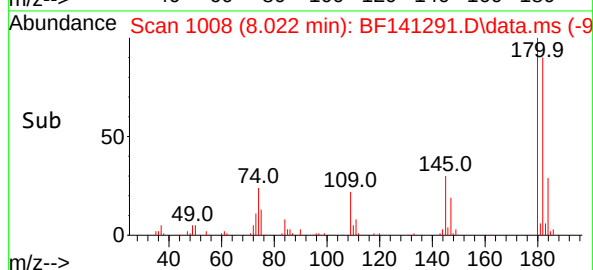
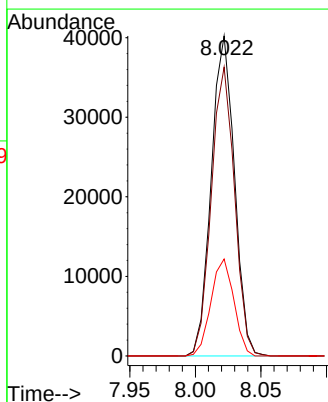
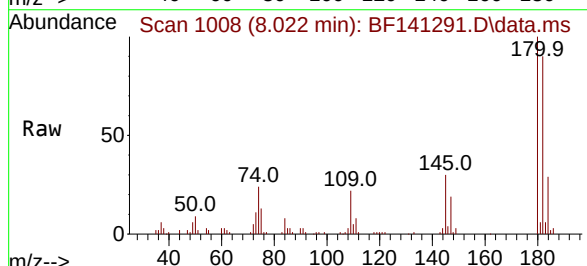
Tgt Ion:180 Resp: 49479

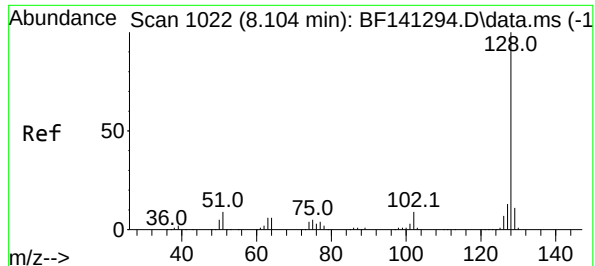
Ion Ratio Lower Upper

180 100

182 90.2 76.4 114.6

145 30.3 24.9 37.3

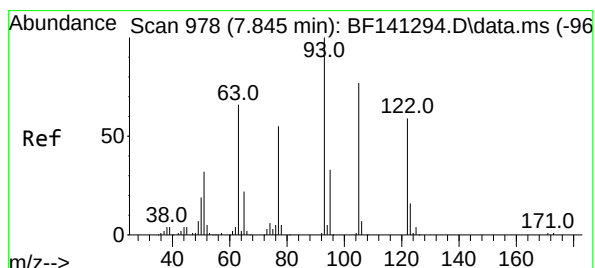
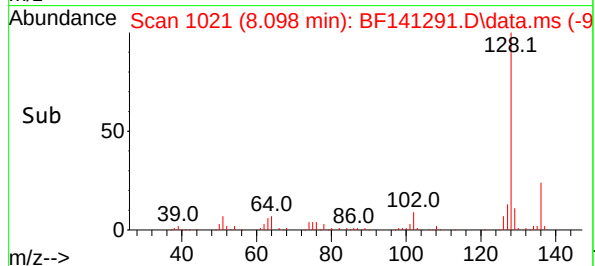
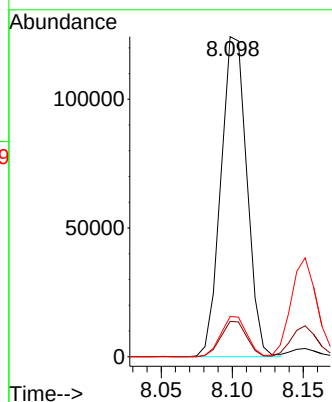
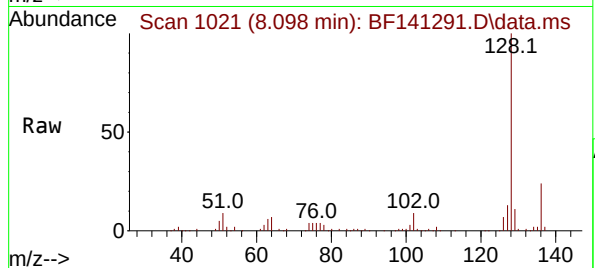




#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

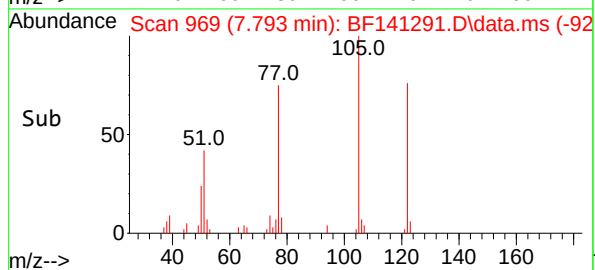
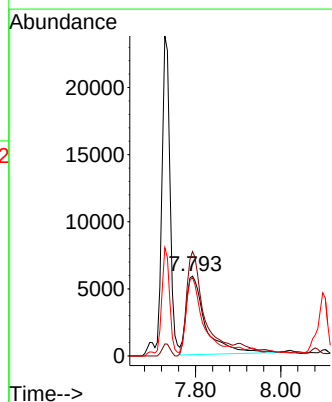
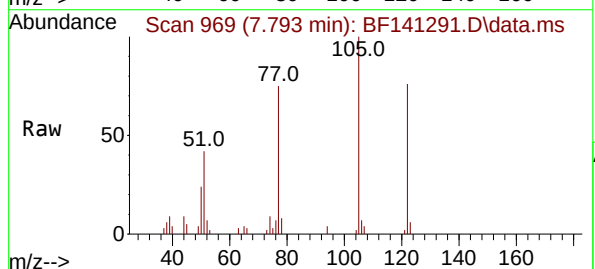
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

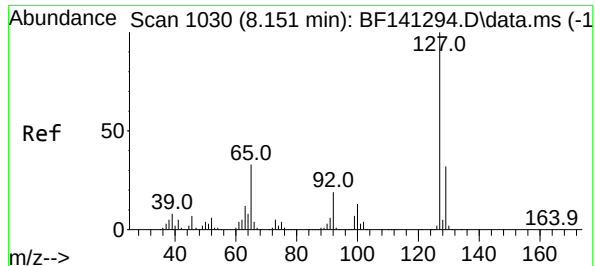
Tgt Ion:128 Resp: 158560
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.6 10.6 15.8



#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:122 Resp: 18585
Ion Ratio Lower Upper
122 100
105 130.7 103.4 143.4
77 98.2 70.9 110.9

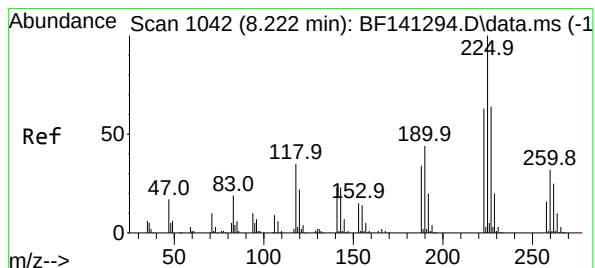
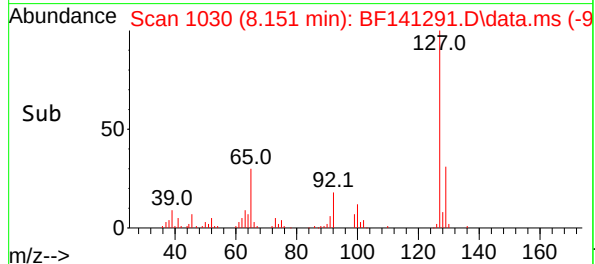
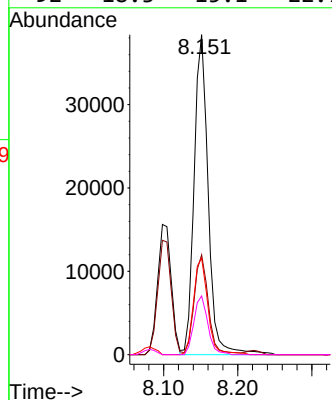
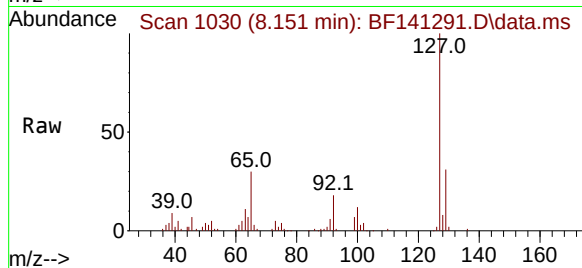




#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

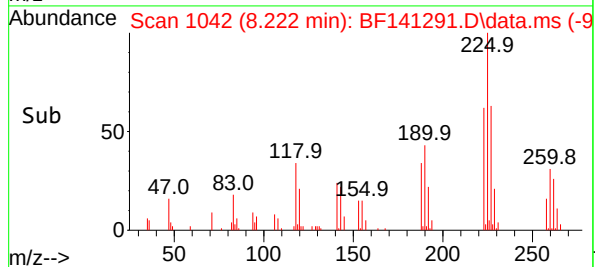
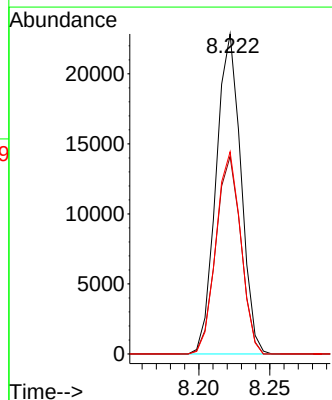
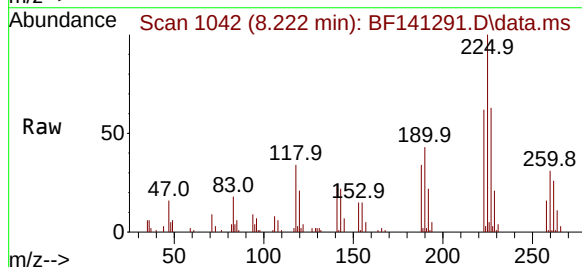
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

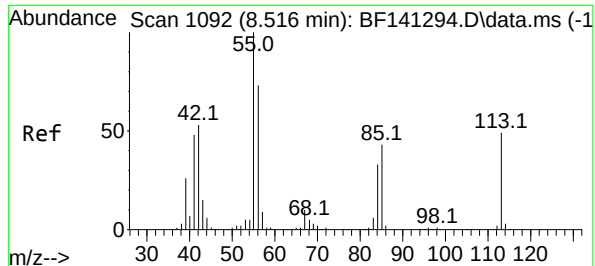
Tgt Ion:	127	Resp:	50760
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.7	38.5
65	30.1	26.4	39.6
92	18.3	15.1	22.7



#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	225	Resp:	27720
Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	63.2	51.3	76.9





#35

Caprolactam

Concen: 5.204 ng

RT: 8.475 min Scan# 1108

Delta R.T. -0.041 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

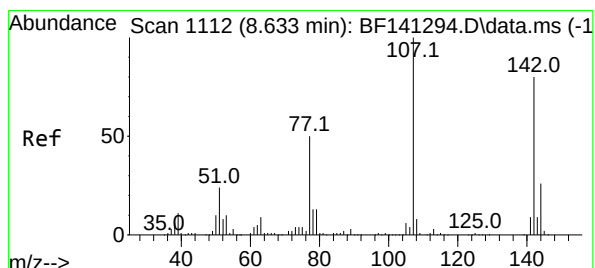
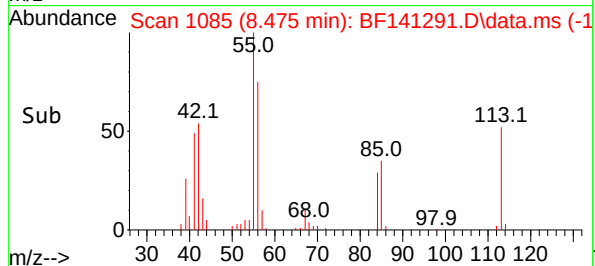
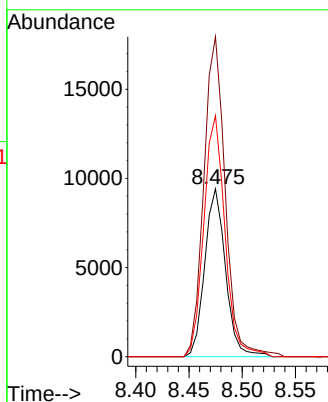
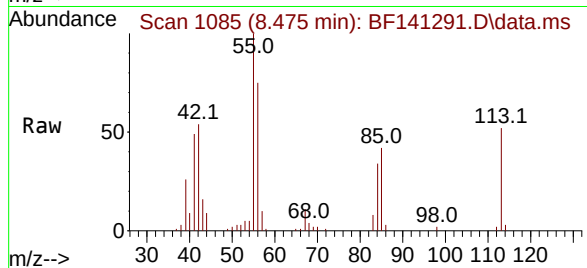
Tgt Ion:113 Resp: 12827

Ion Ratio Lower Upper

113 100

55 190.7 182.9 222.9

56 143.6 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 5.334 ng

RT: 8.622 min Scan# 1110

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

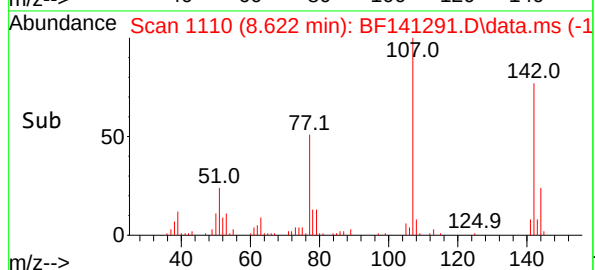
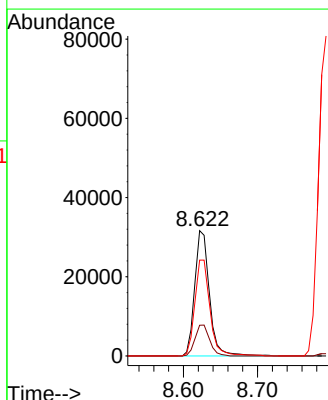
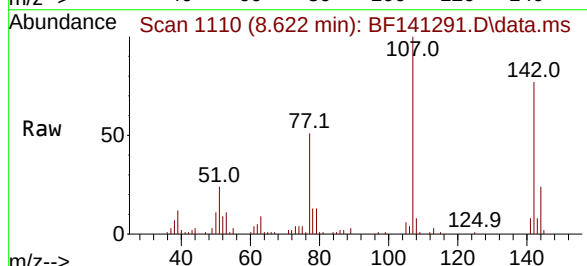
Tgt Ion:107 Resp: 43627

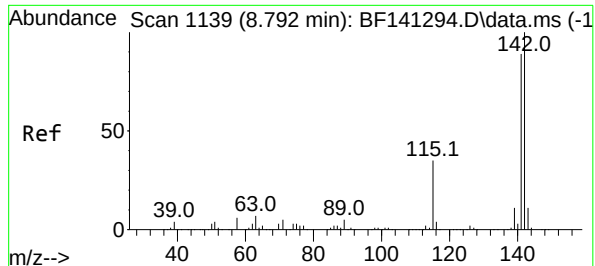
Ion Ratio Lower Upper

107 100

144 24.5 20.7 31.1

142 76.6 63.8 95.8





#37

2-Methylnaphthalene

Concen: 5.634 ng

RT: 8.793 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

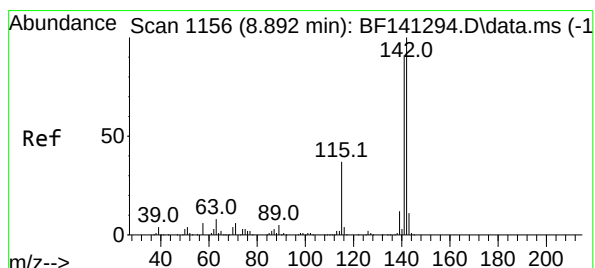
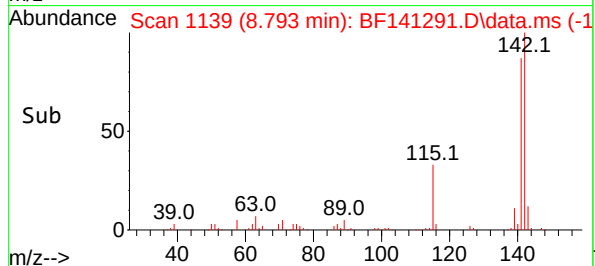
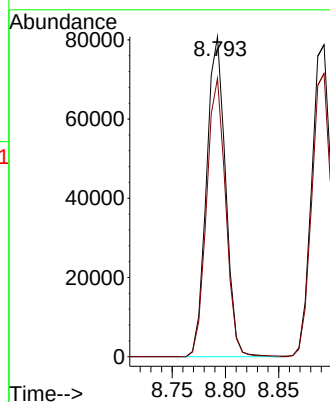
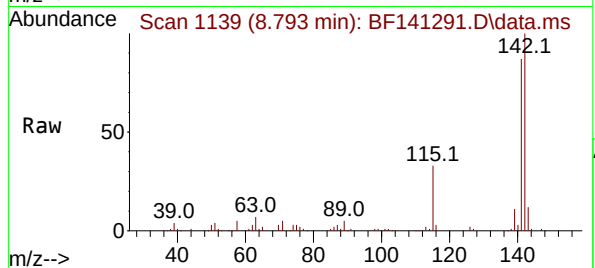
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion Ratio Lower Upper

142 100

141 86.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 5.767 ng

RT: 8.893 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141291.D

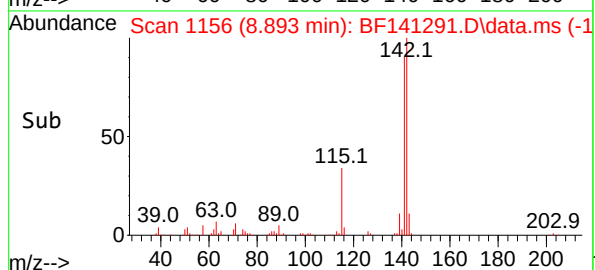
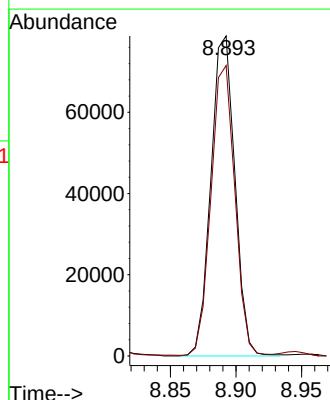
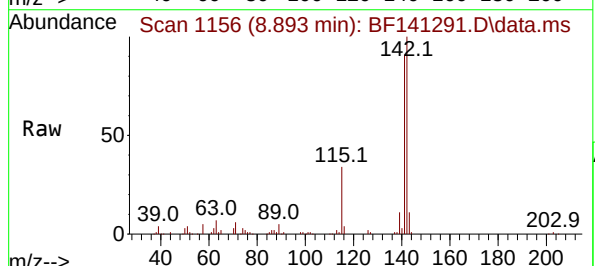
Acq: 29 Jan 2025 10:56

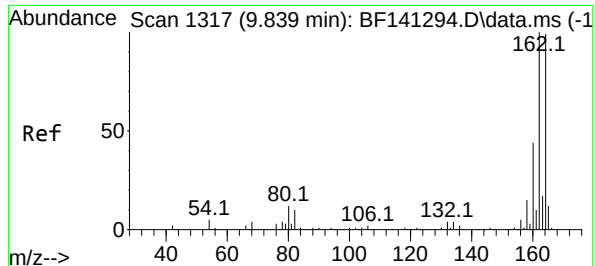
Tgt Ion:142 Resp: 100569

Ion Ratio Lower Upper

142 100

141 90.8 73.2 109.8

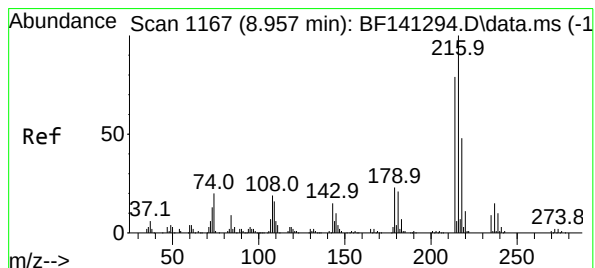
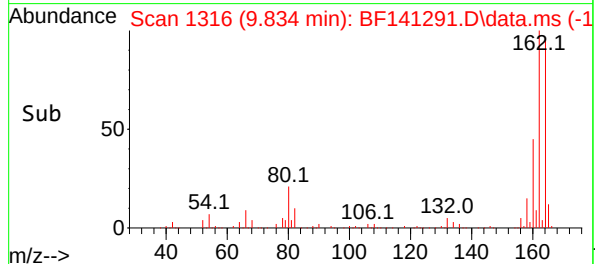
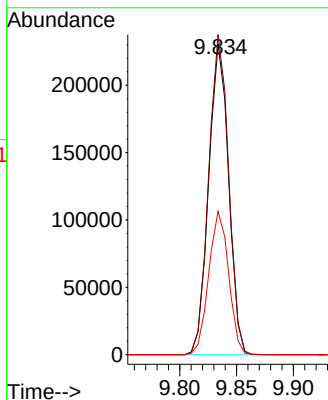
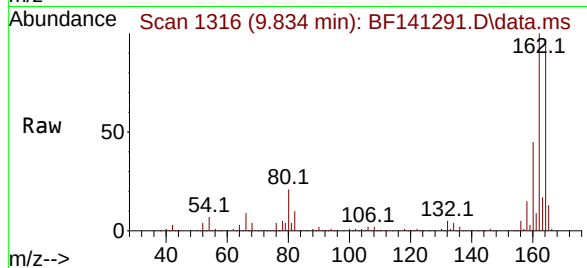




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

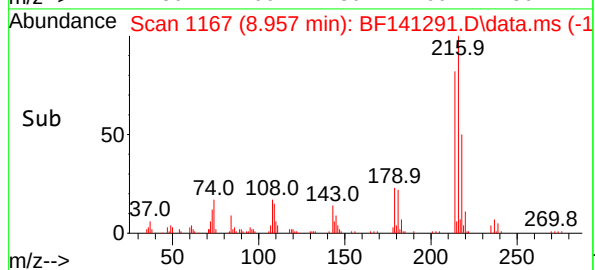
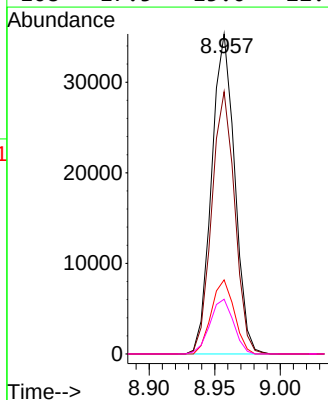
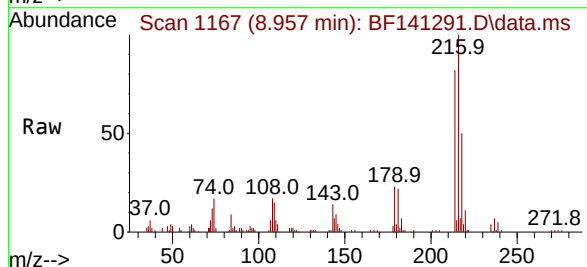
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

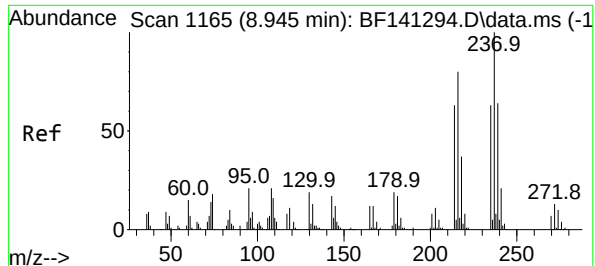
Tgt Ion:164 Resp: 281034
Ion Ratio Lower Upper
164 100
162 103.1 80.6 121.0
160 46.2 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228
Ion Ratio Lower Upper
216 100
214 81.4 63.2 94.8
179 22.9 17.8 26.8
108 17.5 15.0 22.6

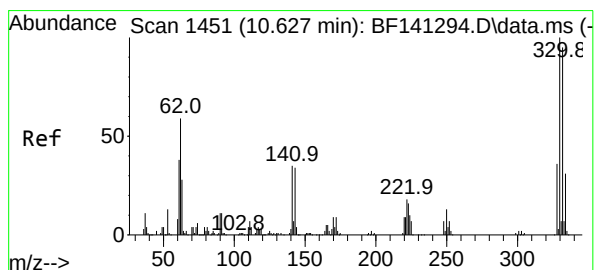
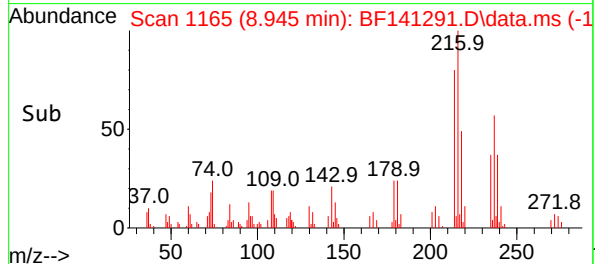
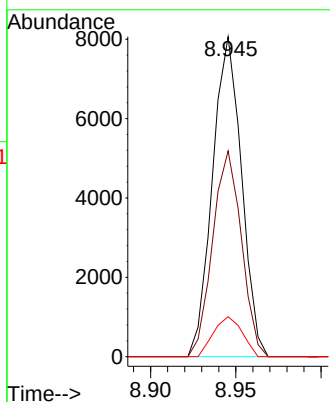
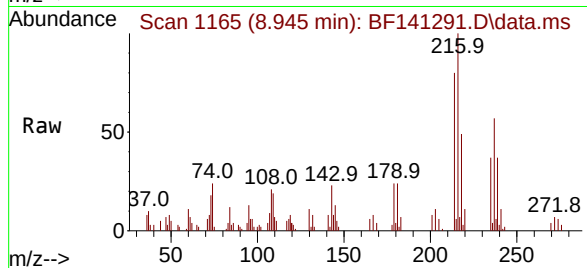




#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

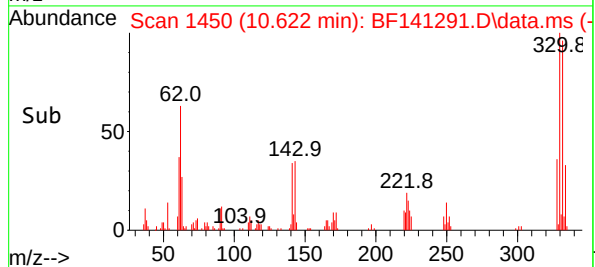
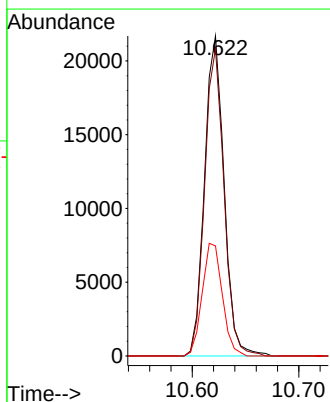
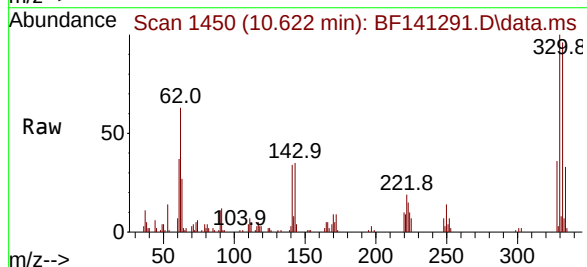
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

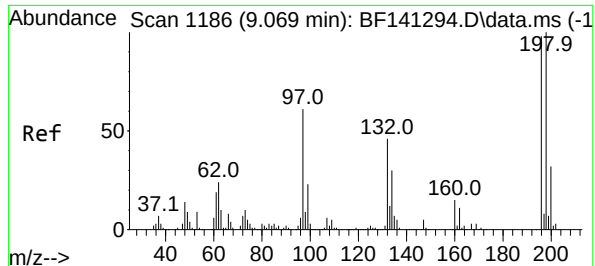
Tgt Ion:	237	Resp:	9555
Ion Ratio	Lower	Upper	
237	100		
235	64.3	42.9	82.9
272	12.5	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	330	Resp:	27799
Ion Ratio	Lower	Upper	
330	100		
332	94.8	76.1	114.1
141	36.2	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 5.136 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141291.D

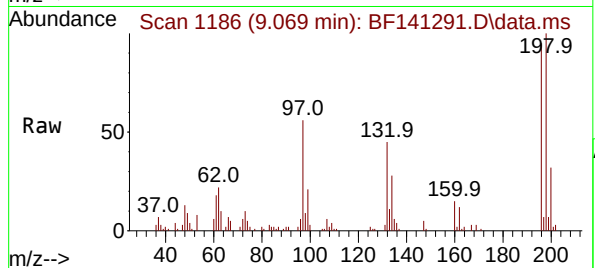
Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



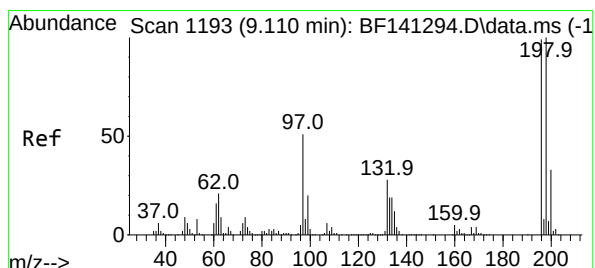
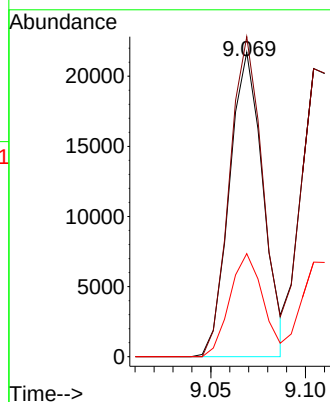
Tgt Ion:196 Resp: 26790

Ion Ratio Lower Upper

196 100

198 105.1 81.8 122.6

200 33.8 26.3 39.5



#44

2,4,5-Trichlorophenol

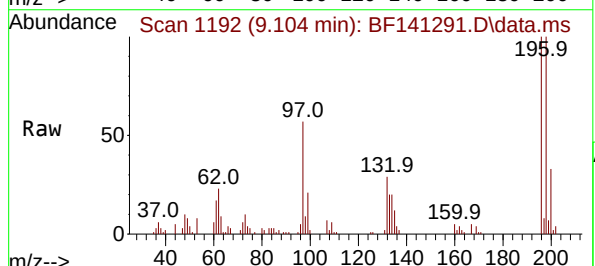
Concen: 5.309 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56



Tgt Ion:196 Resp: 30127

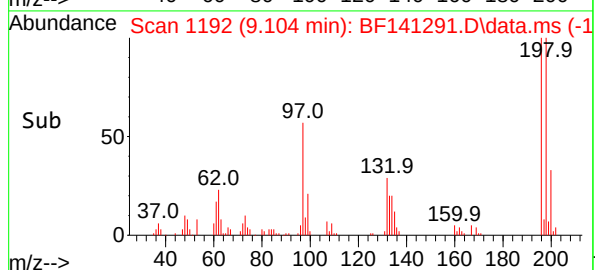
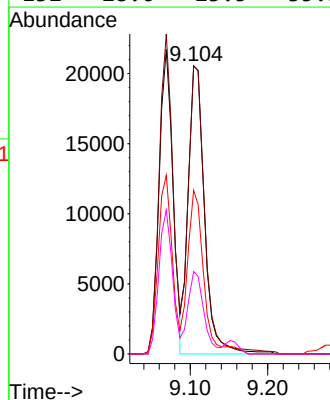
Ion Ratio Lower Upper

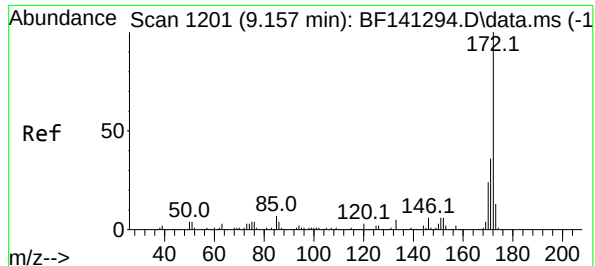
196 100

198 100.0 80.5 120.7

97 56.8 42.8 64.2

132 28.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 12.320 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

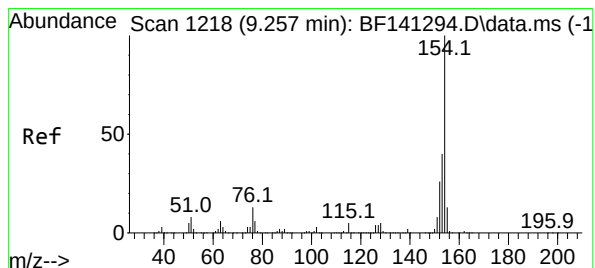
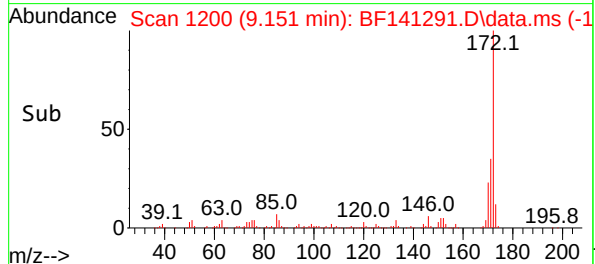
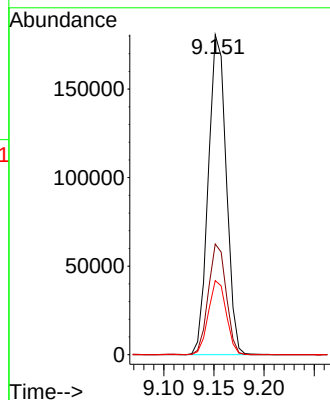
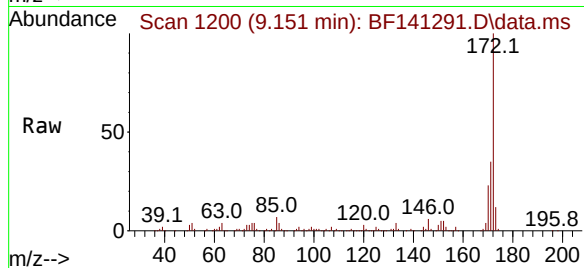
Tgt Ion:172 Resp: 224446

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 23.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.801 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

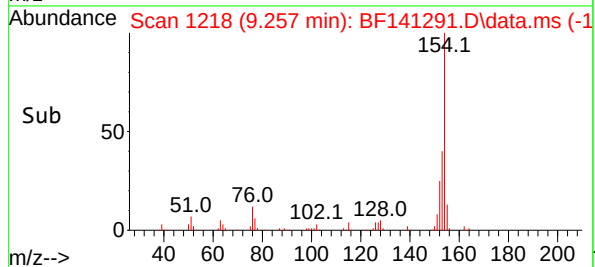
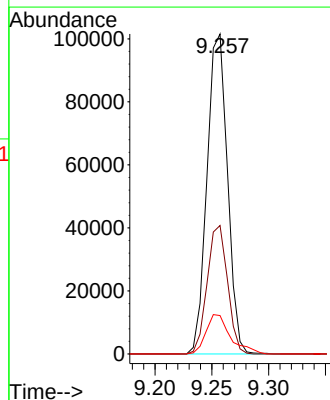
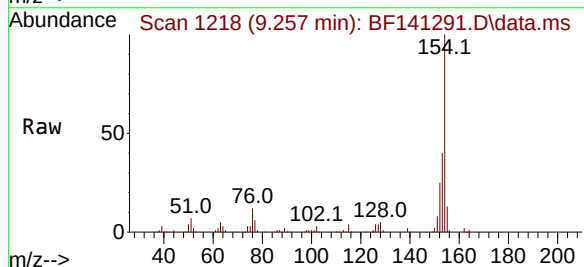
Tgt Ion:154 Resp: 127187

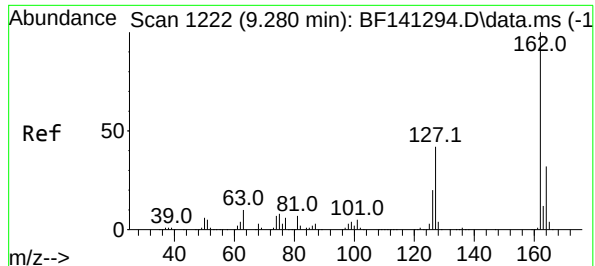
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 5.760 ng

RT: 9.281 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

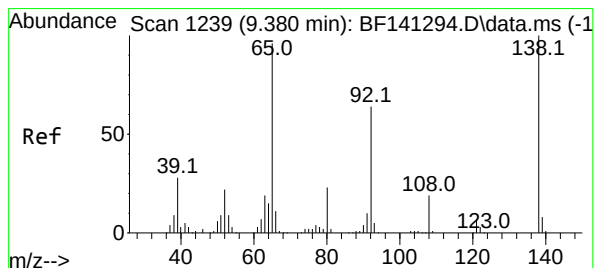
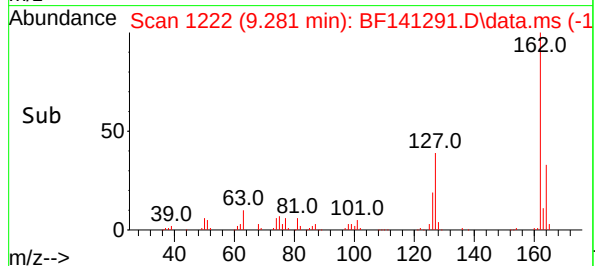
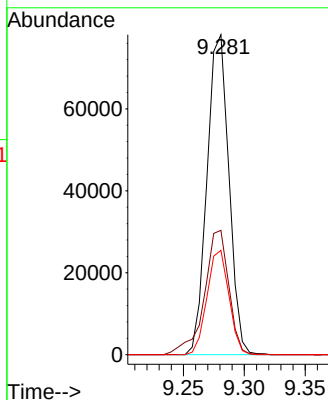
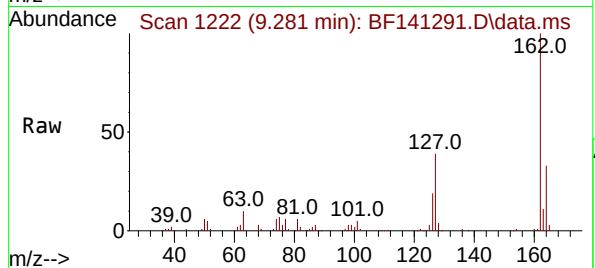
Tgt Ion:162 Resp: 98081

Ion Ratio Lower Upper

162 100

127 38.8 33.7 50.5

164 32.6 25.9 38.9



#48

2-Nitroaniline

Concen: 5.056 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

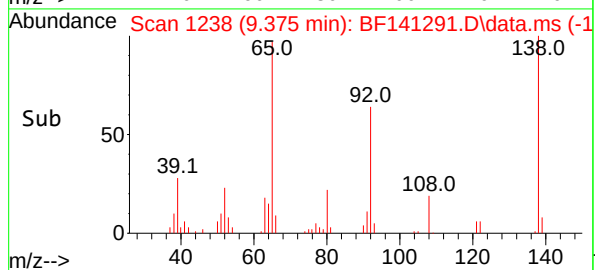
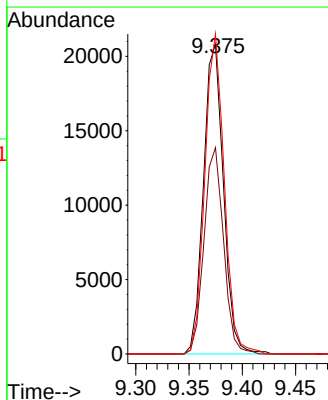
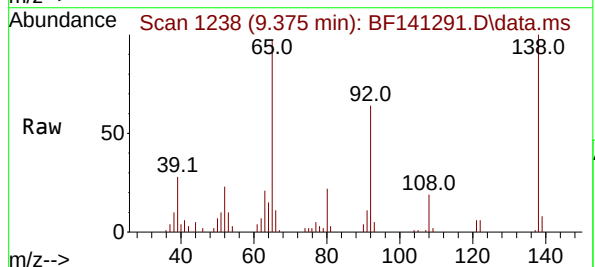
Tgt Ion: 65 Resp: 27154

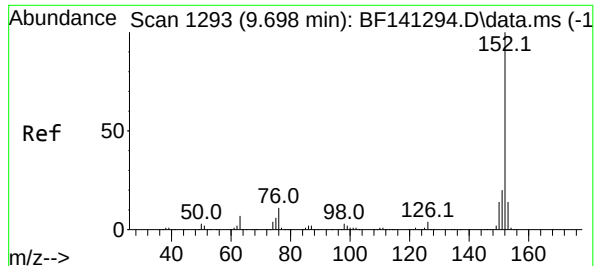
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 103.3 83.6 125.4





#49

Acenaphthylene

Concen: 5.643 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

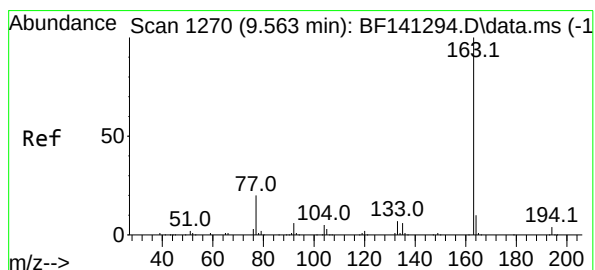
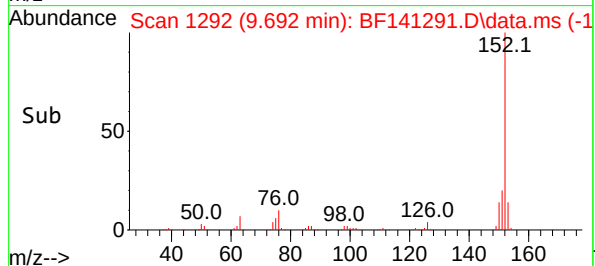
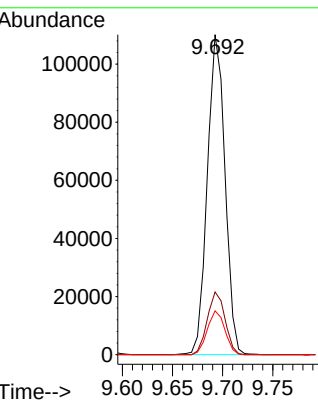
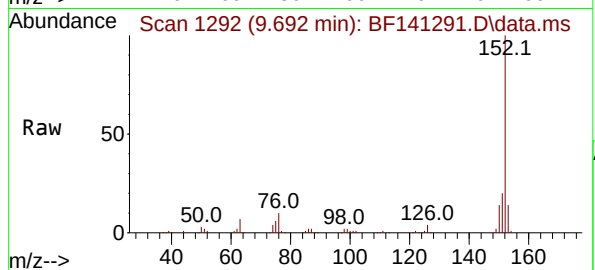
BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:152 Resp: 134958

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.7	11.0	16.6



#50

Dimethylphthalate

Concen: 5.584 ng

RT: 9.551 min Scan# 1268

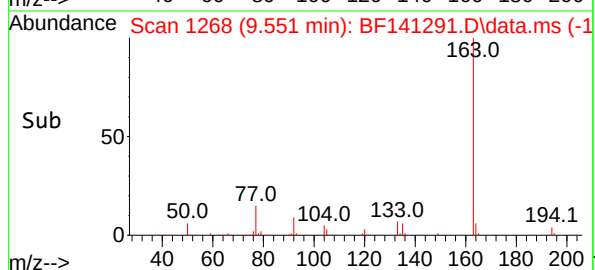
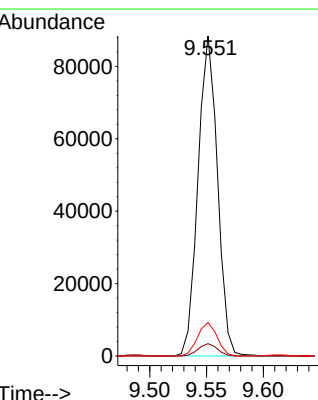
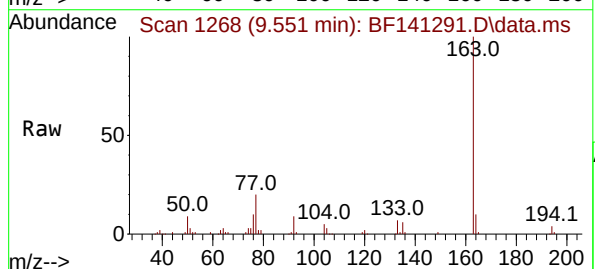
Delta R.T. -0.011 min

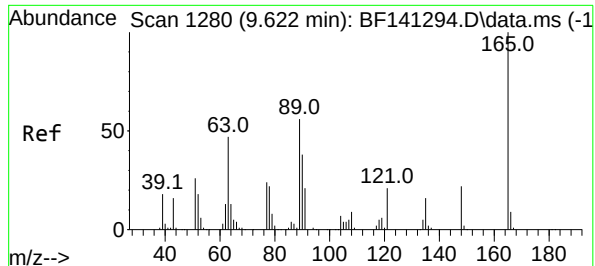
Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:163 Resp: 105240

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.5	8.0	12.0





#51

2,6-Dinitrotoluene

Concen: 5.329 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

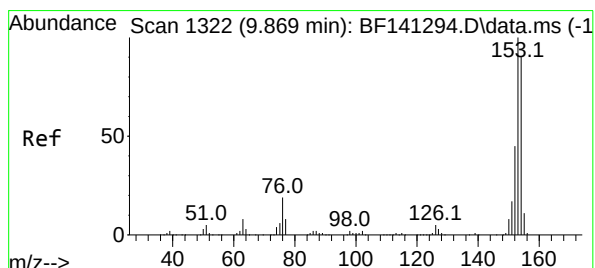
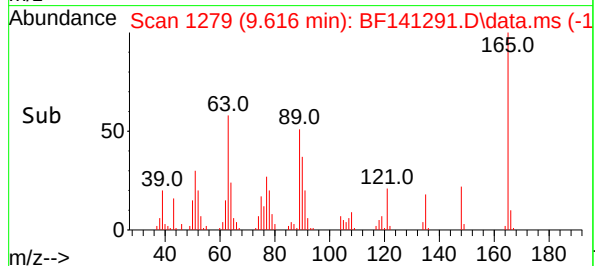
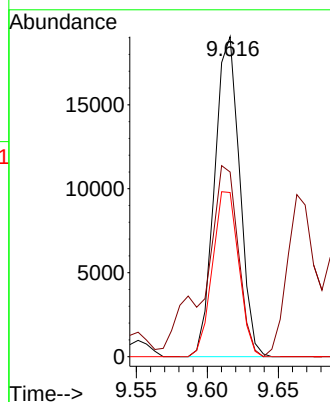
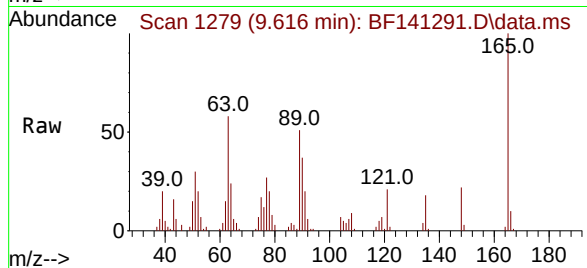
Tgt Ion:165 Resp: 23372

Ion Ratio Lower Upper

165 100

63 57.7 48.1 72.1

89 51.3 44.9 67.3



#52

Acenaphthene

Concen: 5.617 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

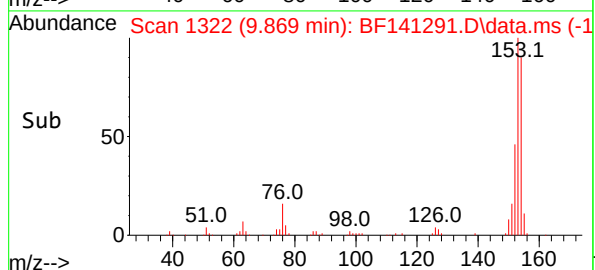
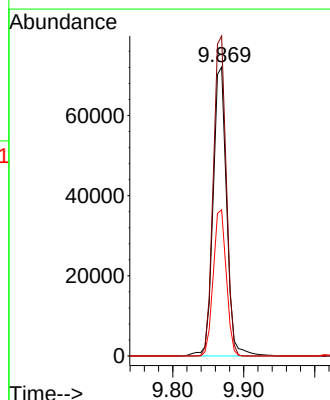
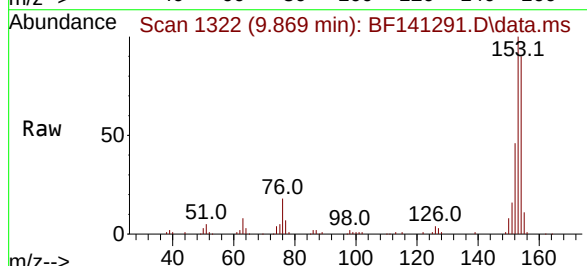
Tgt Ion:154 Resp: 95591

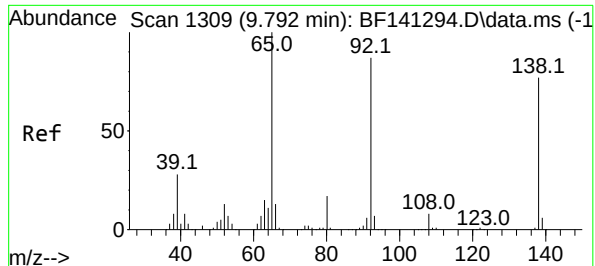
Ion Ratio Lower Upper

154 100

153 110.8 89.0 133.4

152 50.6 40.2 60.4

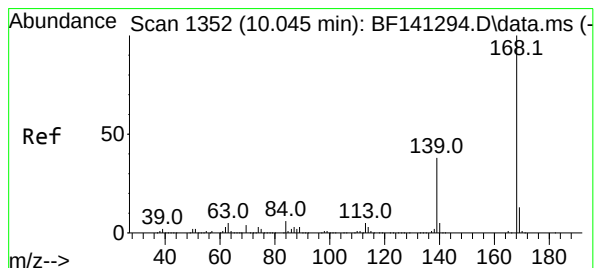
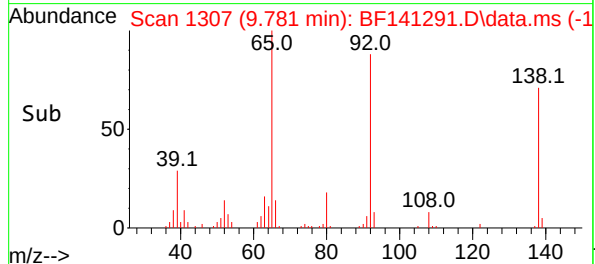
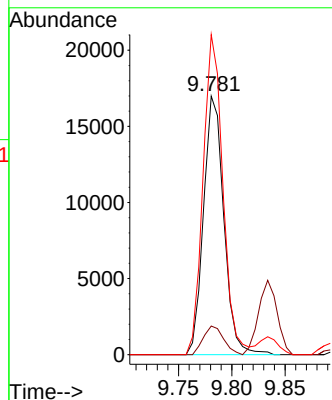
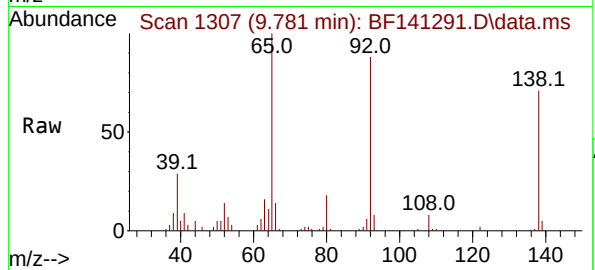




#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

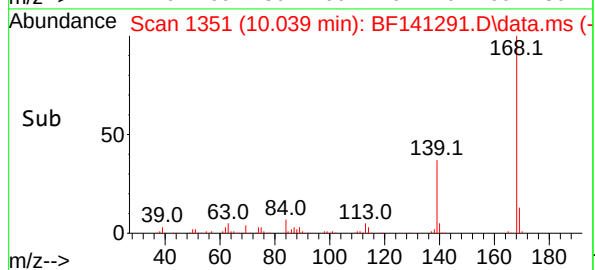
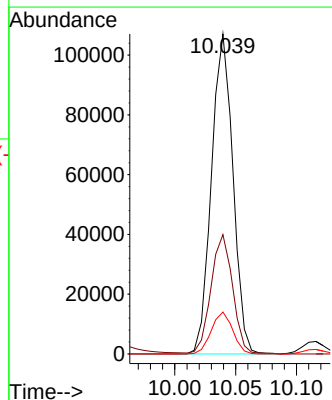
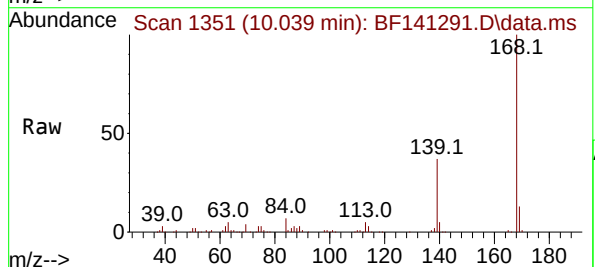
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

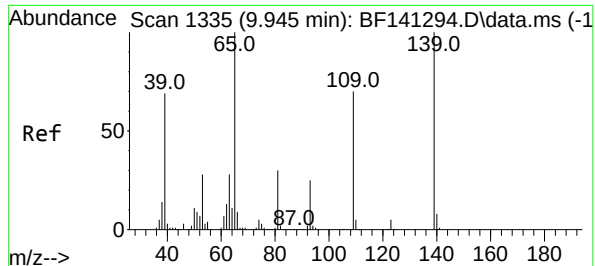
Tgt Ion:138 Resp: 22582
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 123.7 91.0 136.6



#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:168 Resp: 131288
Ion Ratio Lower Upper
168 100
139 37.3 30.6 46.0
169 13.1 10.8 16.2





#56

4-Nitrophenol

Concen: 4.226 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

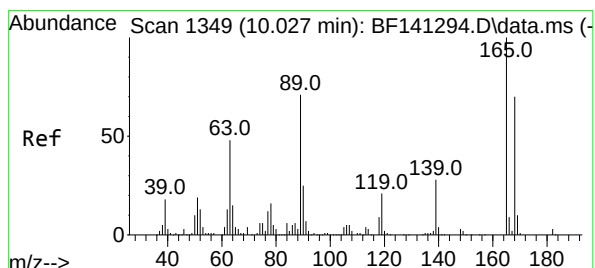
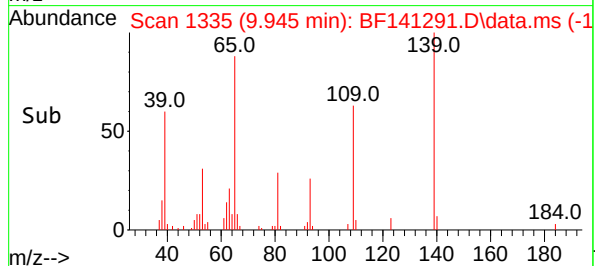
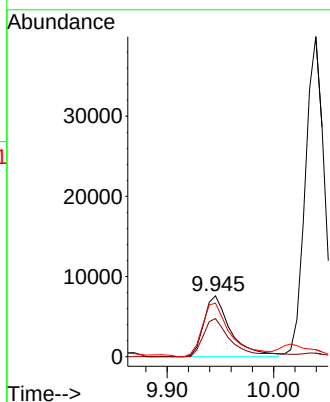
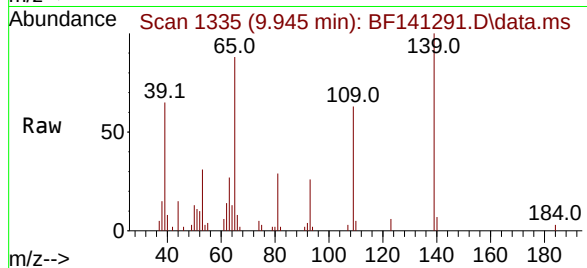
Tgt Ion:139 Resp: 13160

Ion Ratio Lower Upper

139 100

109 62.7 50.2 90.2

65 88.2 80.6 120.6



#57

2,4-Dinitrotoluene

Concen: 5.268 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

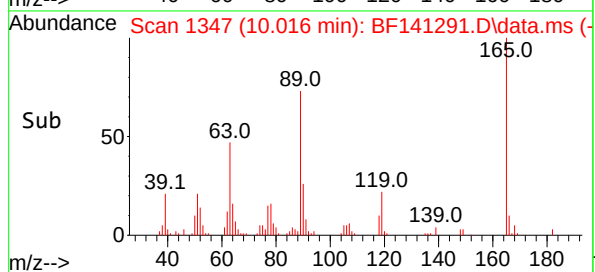
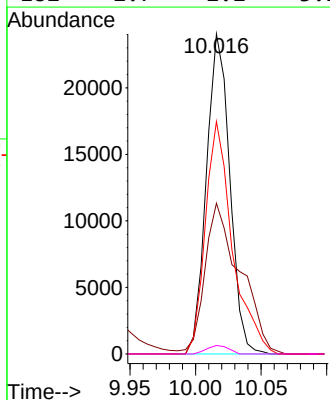
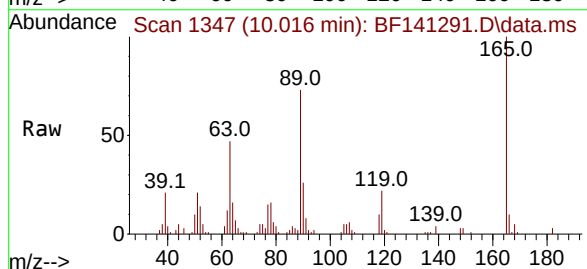
Ion Ratio Lower Upper

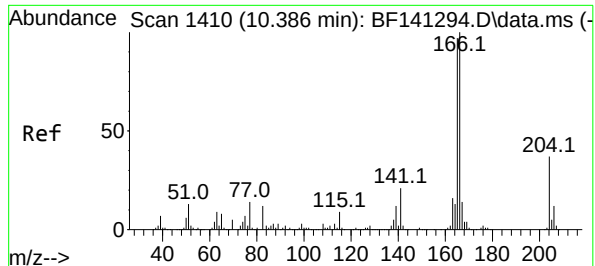
165 100

63 47.1 39.2 58.8

89 72.7 56.9 85.3

182 2.7 2.2 3.2





#58

Fluorene

Concen: 6.002 ng

RT: 10.381 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

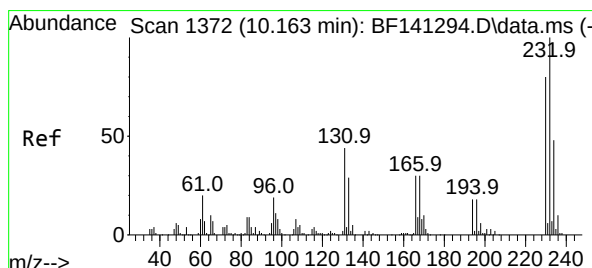
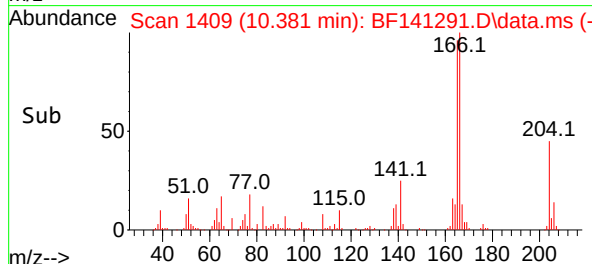
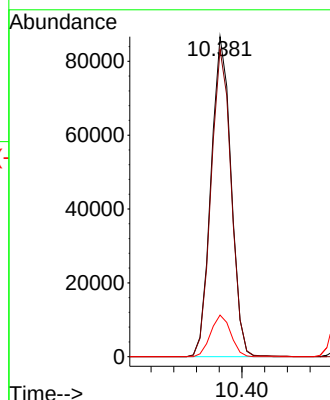
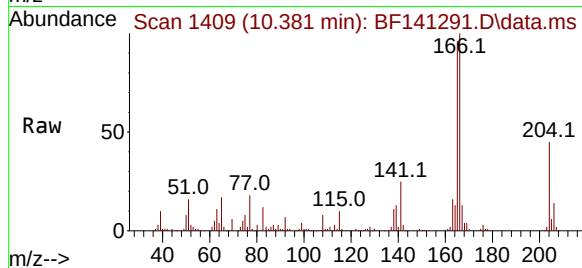
Tgt Ion:166 Resp: 106198

Ion Ratio Lower Upper

166 100

165 96.0 77.5 116.3

167 13.0 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 5.090 ng

RT: 10.157 min Scan# 1371

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

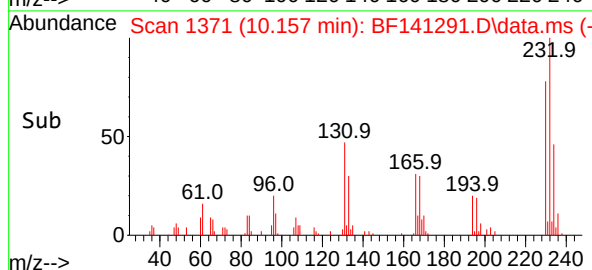
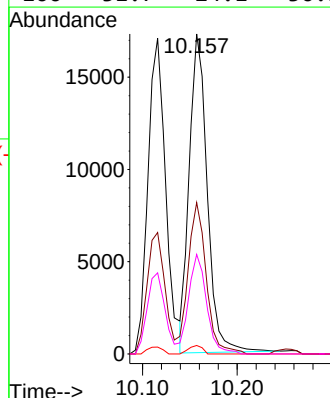
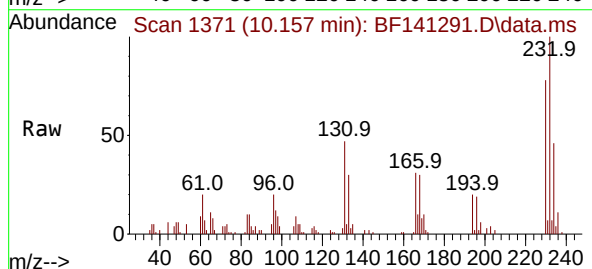
Ion Ratio Lower Upper

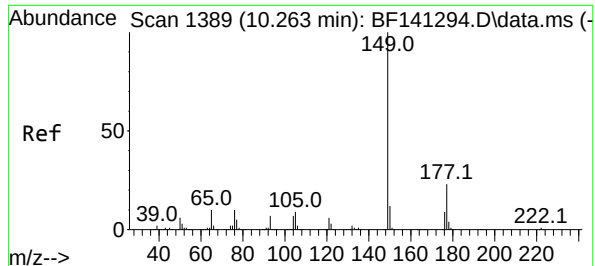
232 100

131 48.3 36.4 54.6

130 2.1 1.9 2.9

166 31.7 24.1 36.1

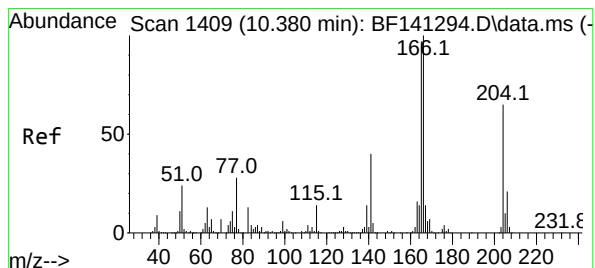
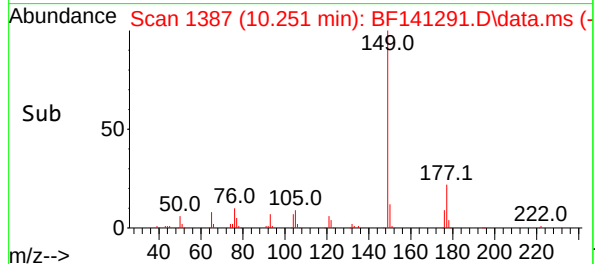
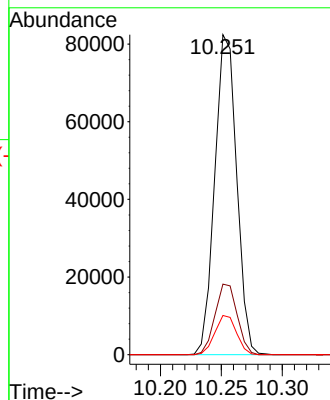
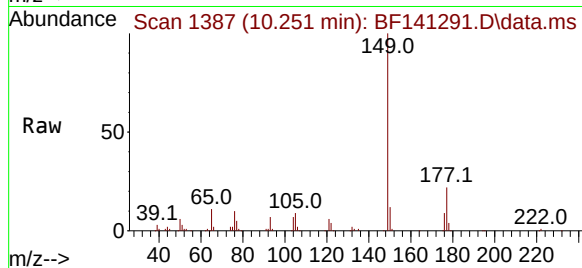




#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

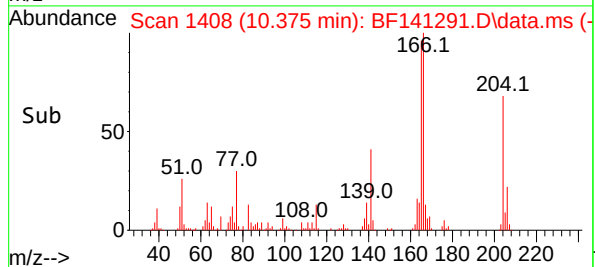
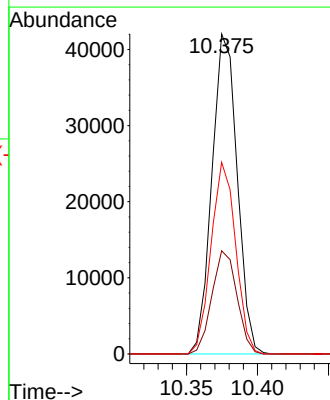
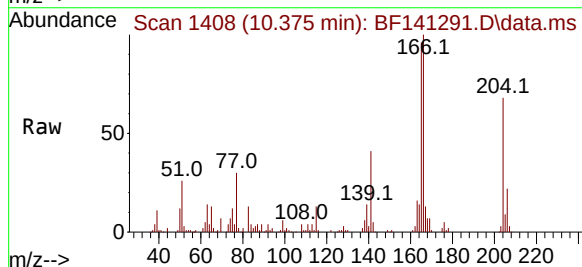
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

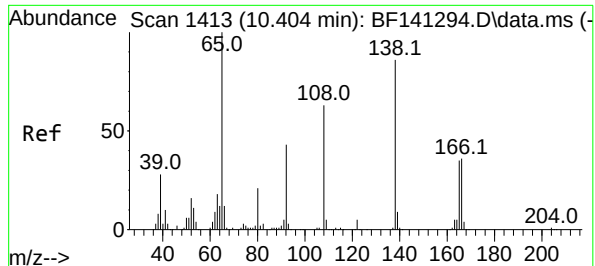
Tgt Ion:149 Resp: 103307
Ion Ratio Lower Upper
149 100
177 22.1 18.5 27.7
150 12.3 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 6.007 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:204 Resp: 51875
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 59.9 49.5 74.3

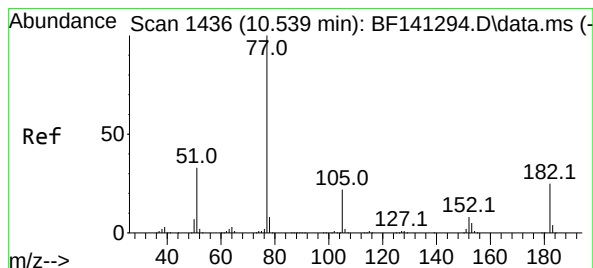
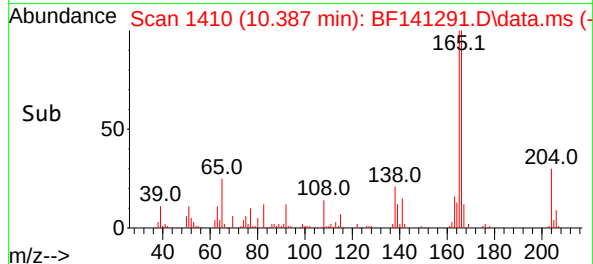
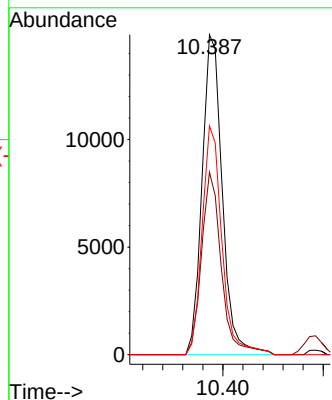
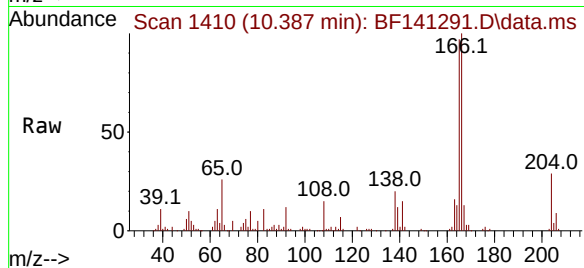




#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

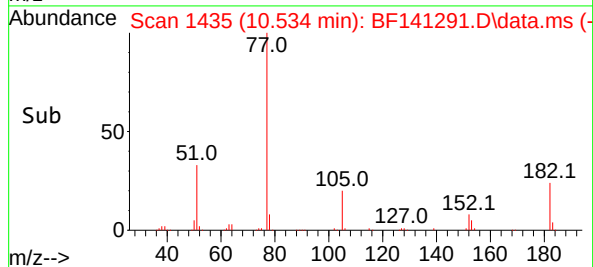
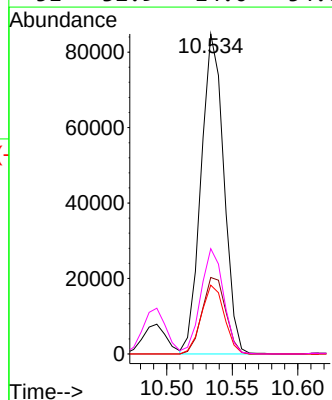
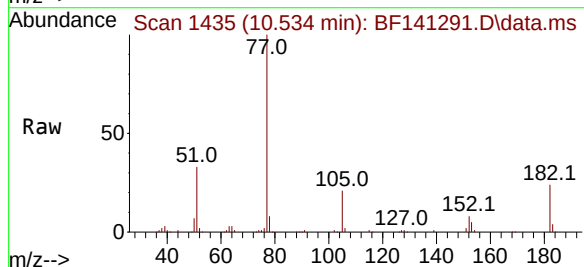
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

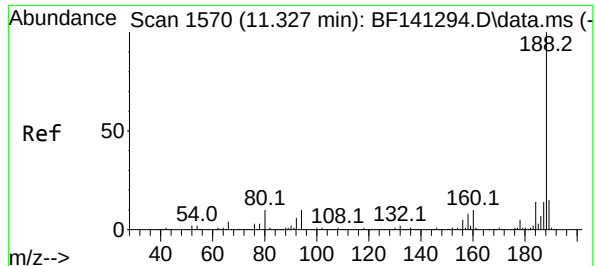
Tgt Ion:138 Resp: 20870
Ion Ratio Lower Upper
138 100
92 57.0 30.1 70.1
108 71.5 53.1 93.1



#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878
Ion Ratio Lower Upper
77 100
182 23.9 5.1 45.1
105 21.5 1.8 41.8
51 32.9 14.0 54.0

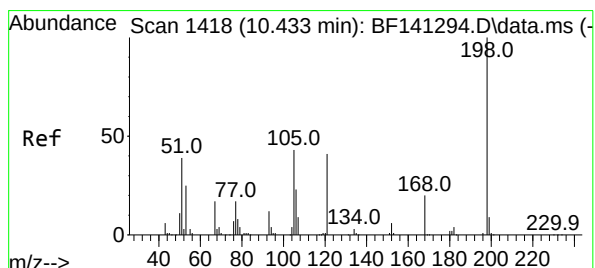
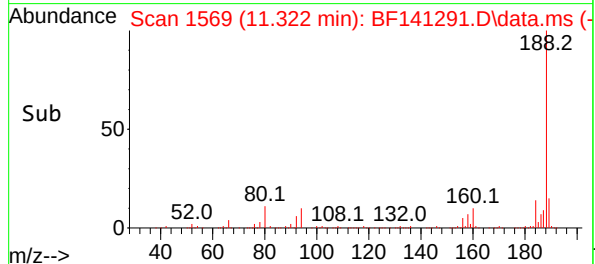
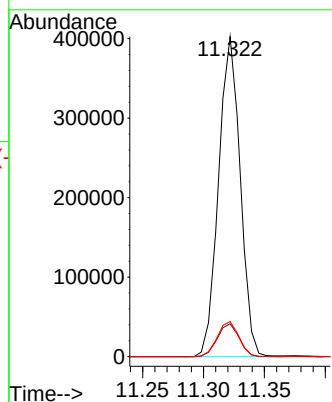
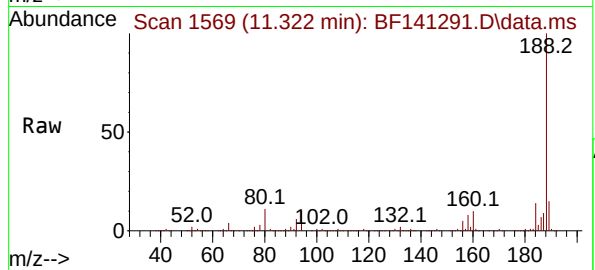




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

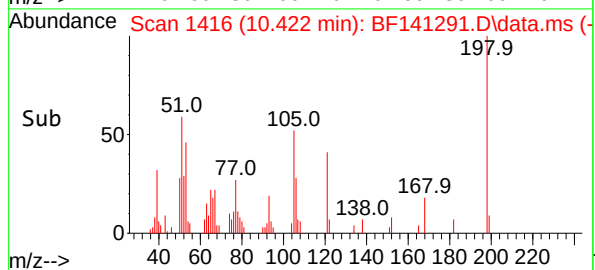
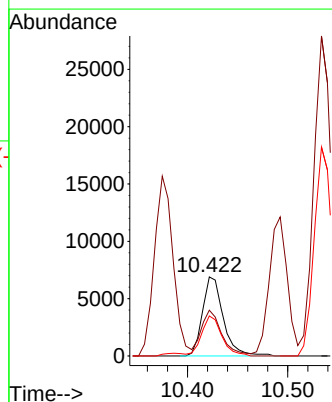
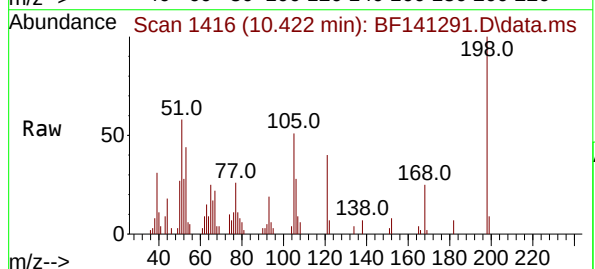
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

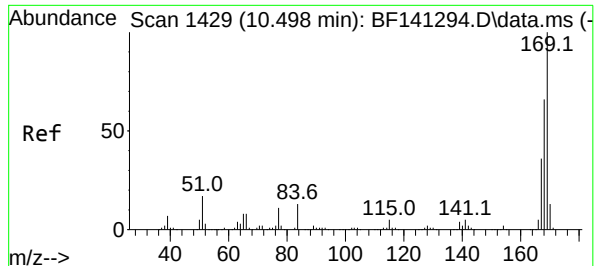
Tgt Ion:188 Resp: 497368
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.0 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960
Ion Ratio Lower Upper
198 100
51 57.8 33.4 73.4
105 50.6 24.4 64.4

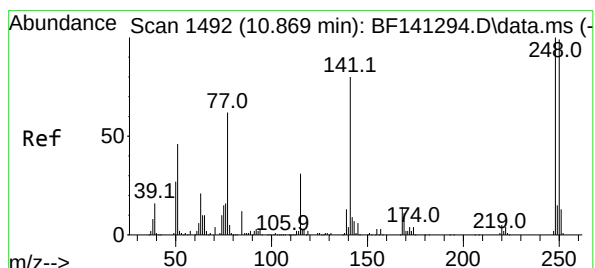
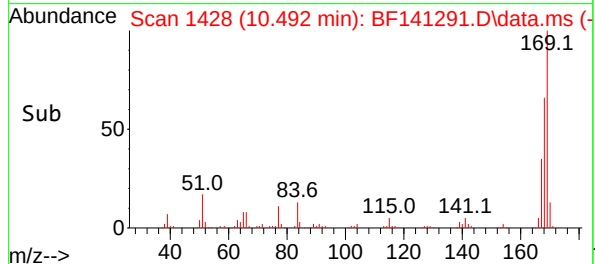
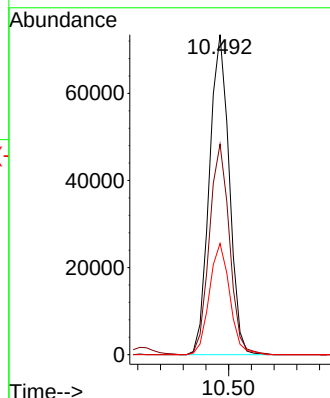
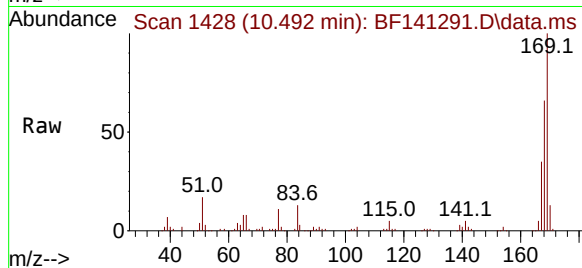




#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

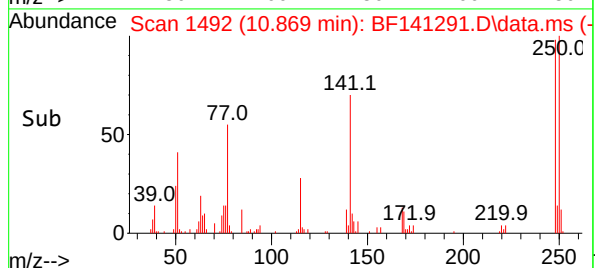
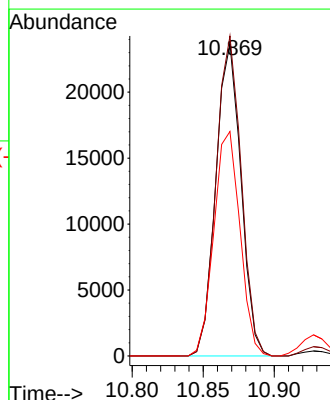
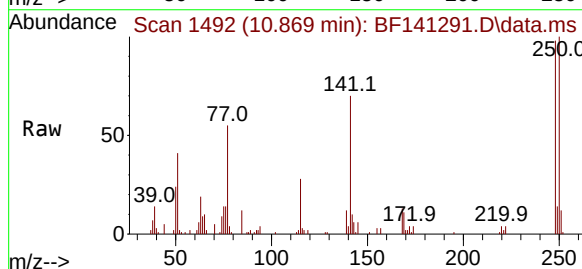
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

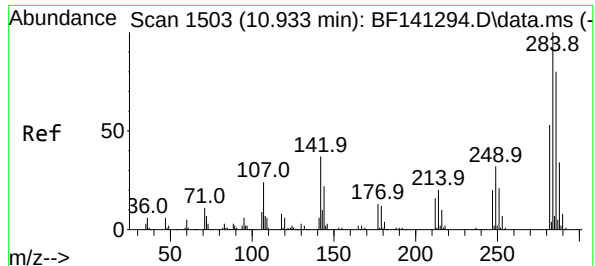
Tgt Ion:169 Resp: 89060
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 34.7 28.8 43.2



#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:248 Resp: 29160
Ion Ratio Lower Upper
248 100
250 102.5 79.0 118.4
141 71.9 63.7 95.5

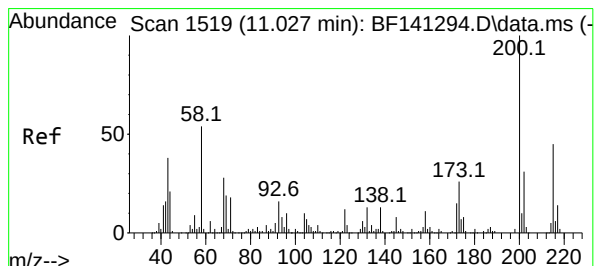
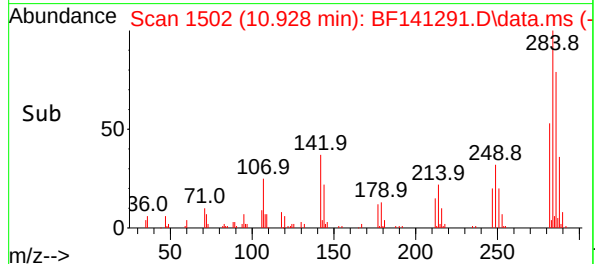
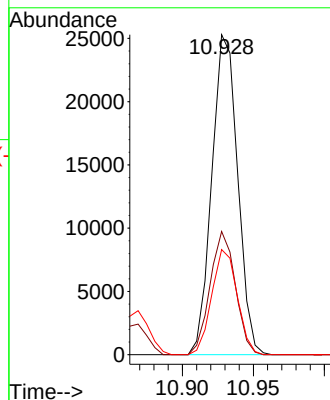
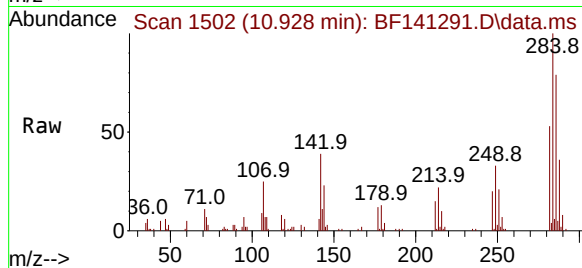




#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

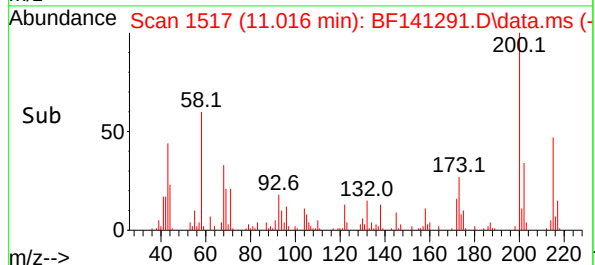
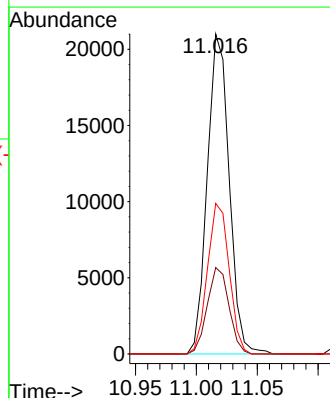
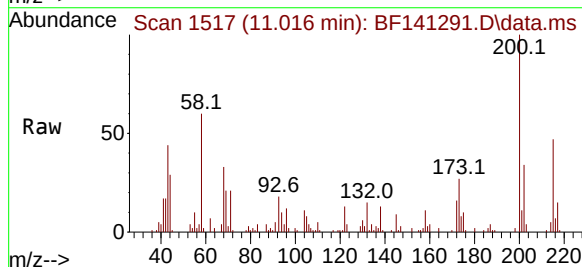
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

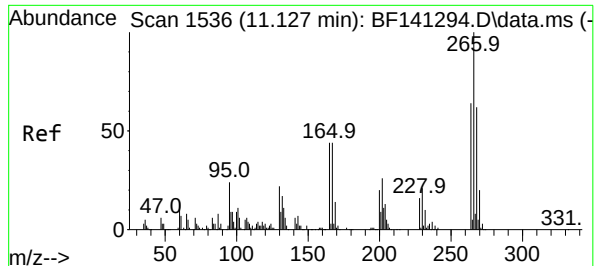
Tgt Ion:284 Resp: 31990
Ion Ratio Lower Upper
284 100
142 38.5 29.5 44.3
249 32.8 25.4 38.2



#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258
Ion Ratio Lower Upper
200 100
173 27.0 5.9 45.9
215 47.0 25.2 65.2

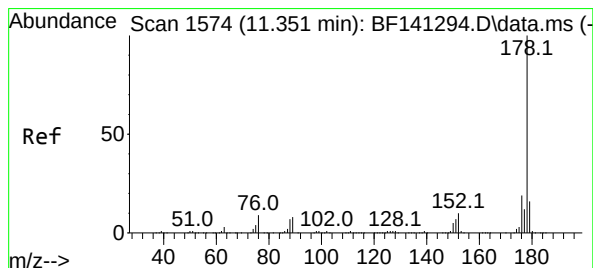
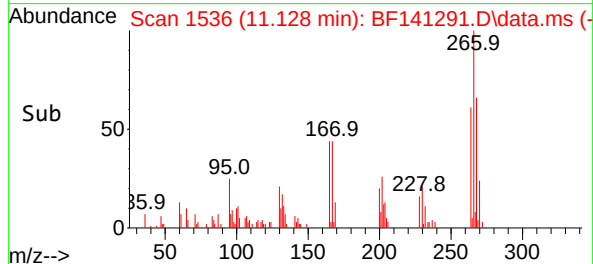
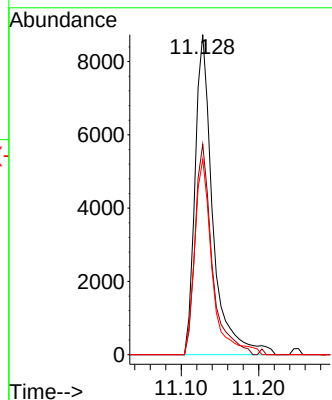
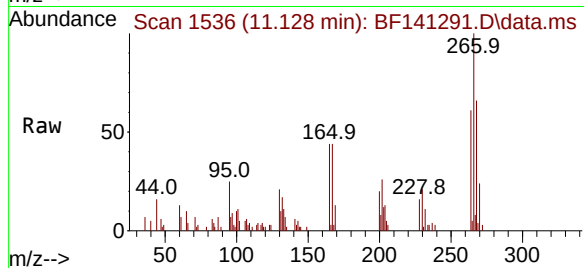




#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

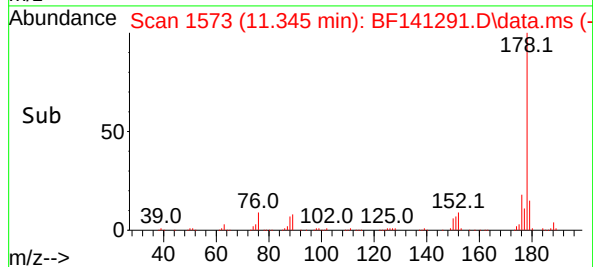
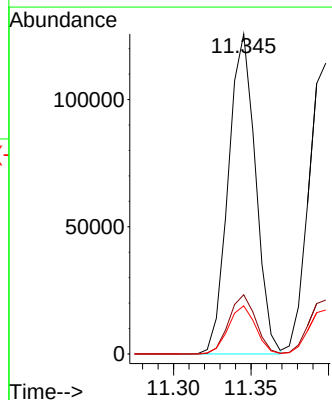
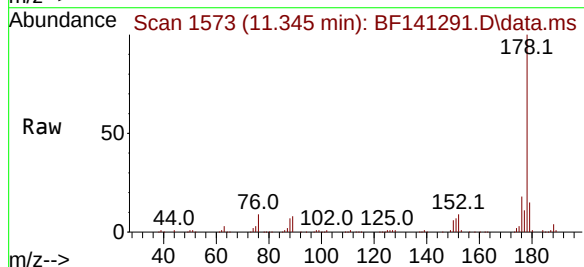
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

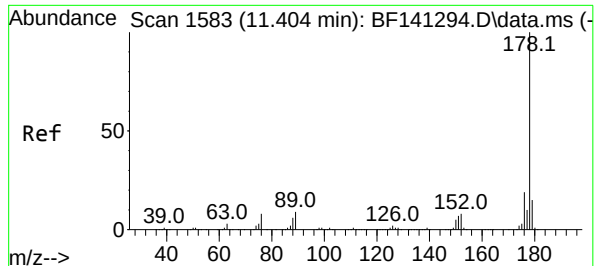
Tgt Ion:266 Resp: 13924
Ion Ratio Lower Upper
266 100
268 65.7 49.9 74.9
264 61.1 51.0 76.4



#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:178 Resp: 153320
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.0 12.5 18.7

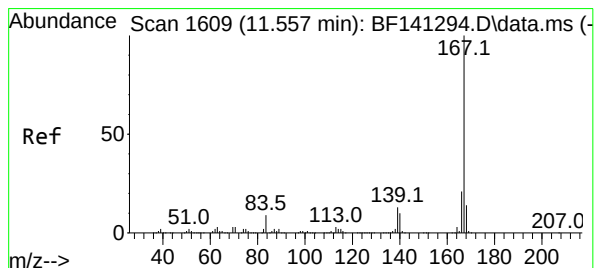
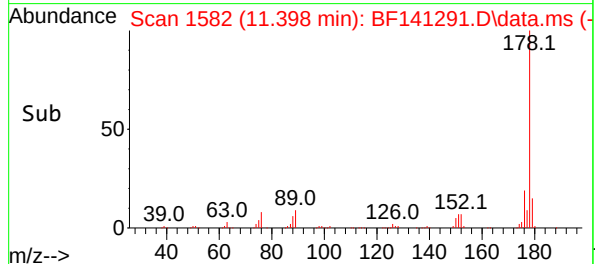
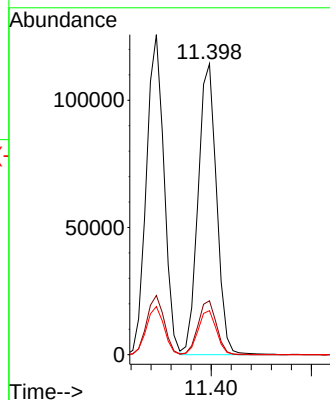
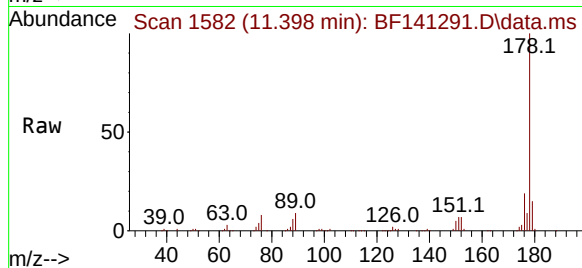




#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

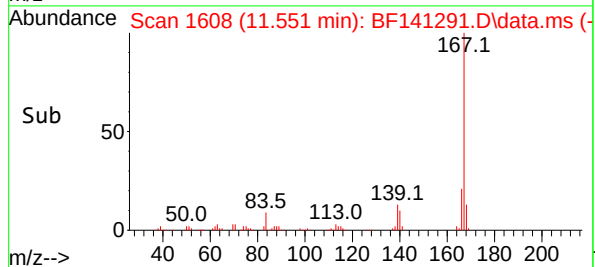
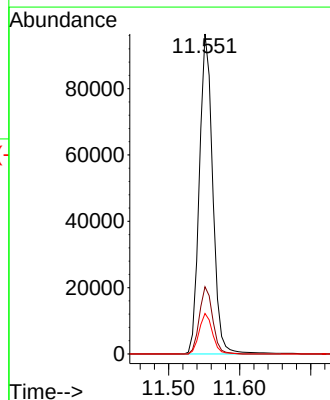
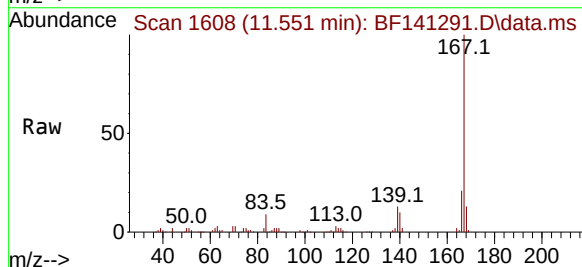
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

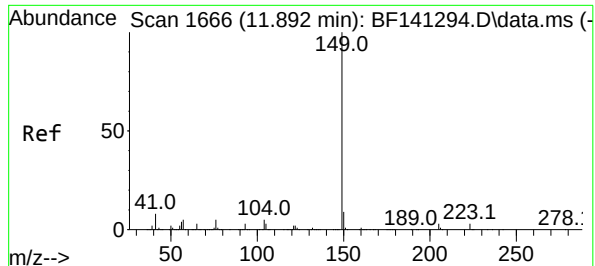
Tgt Ion:178 Resp: 146593
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.3 18.5



#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.6 10.6 16.0

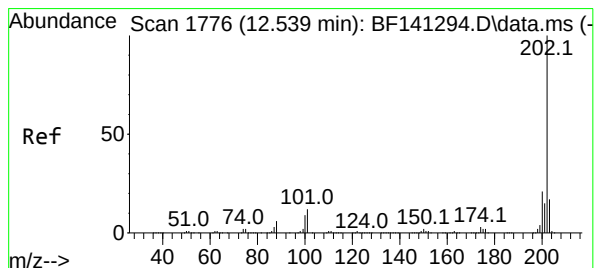
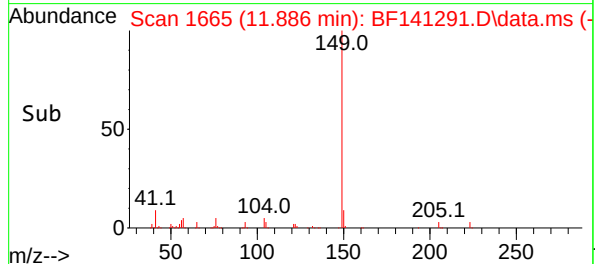
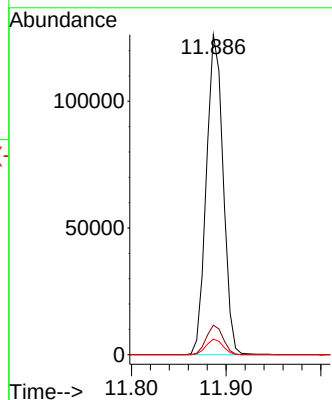
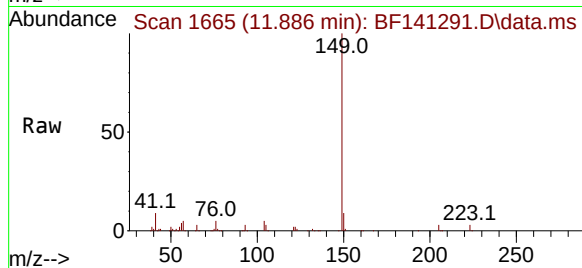




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

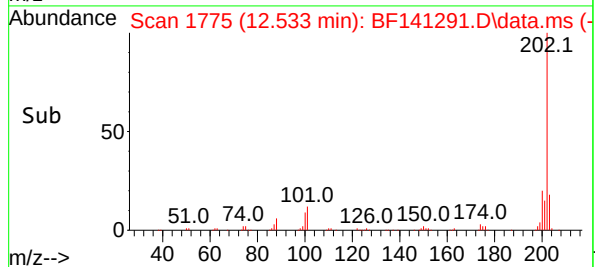
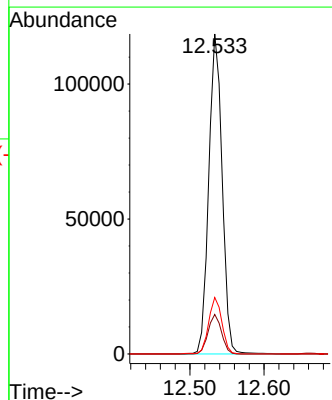
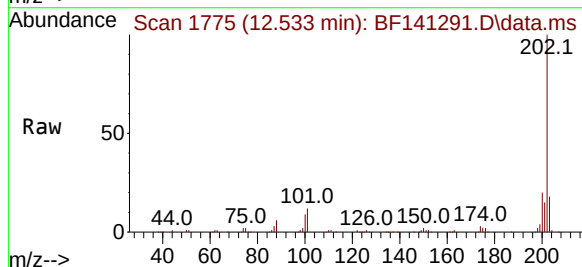
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

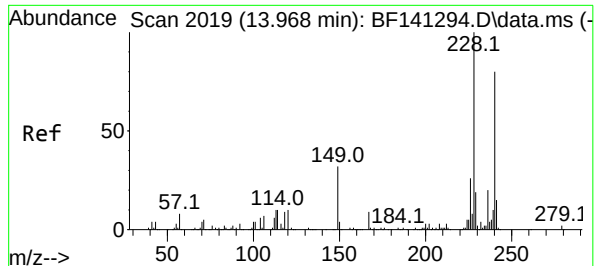
Tgt Ion:149 Resp: 154718
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9



#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.6 0.0 37.5

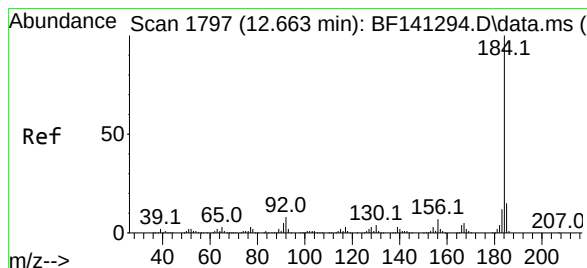
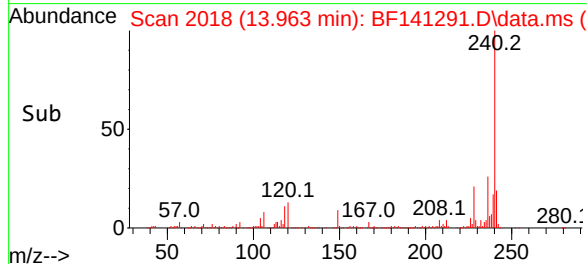
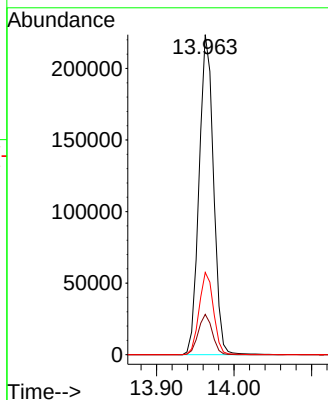
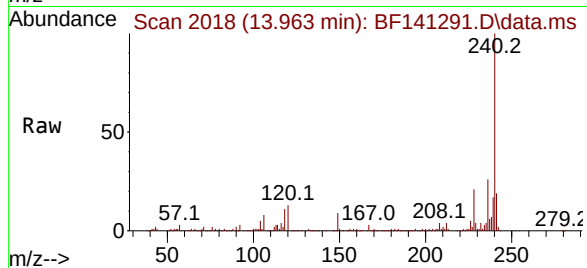




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

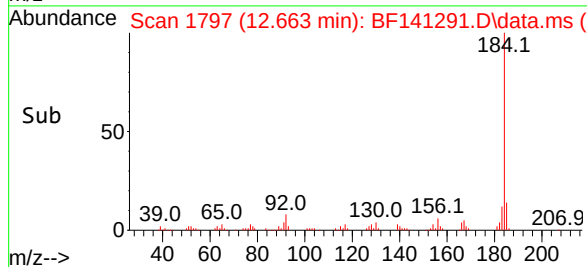
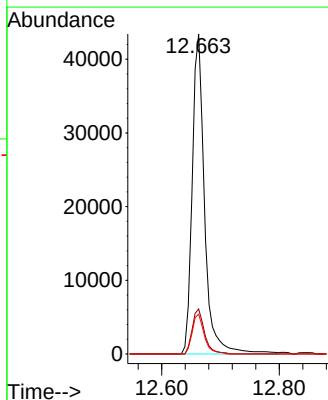
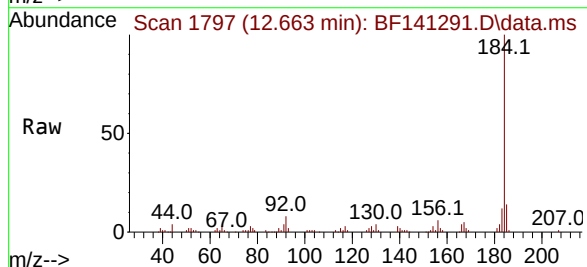
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

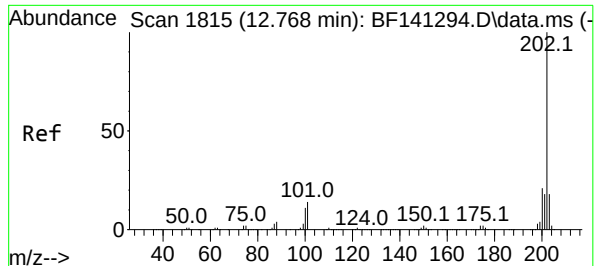
Tgt Ion:240 Resp: 288657
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 25.7 19.7 29.5



#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661
Ion Ratio Lower Upper
184 100
185 14.1 11.9 17.9
183 12.4 9.5 14.3

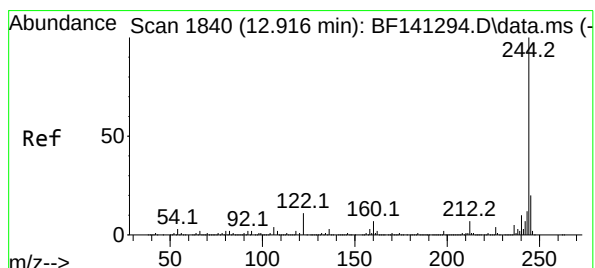
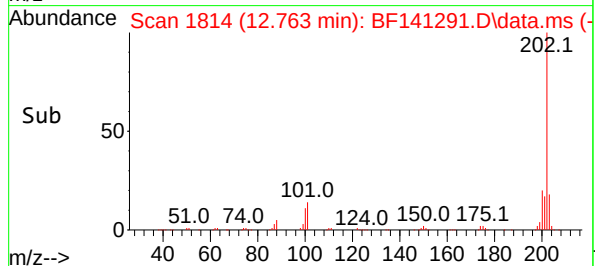
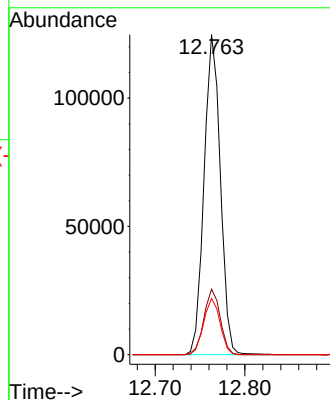
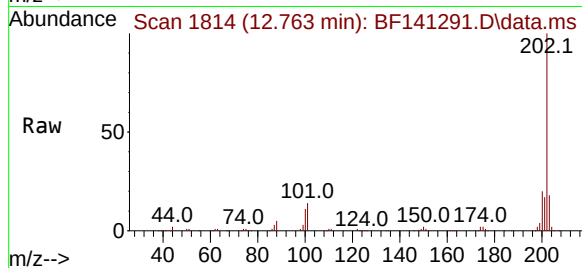




#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

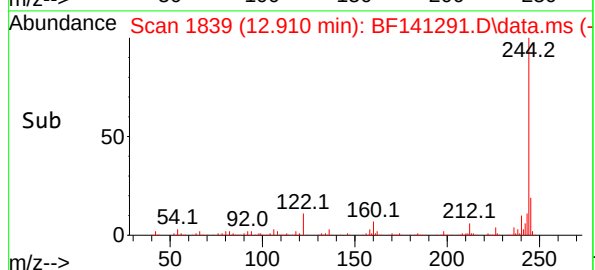
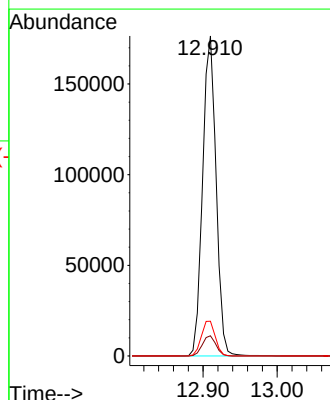
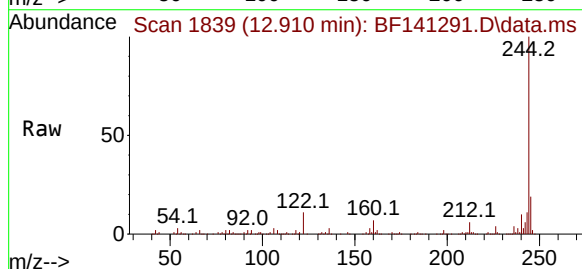
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

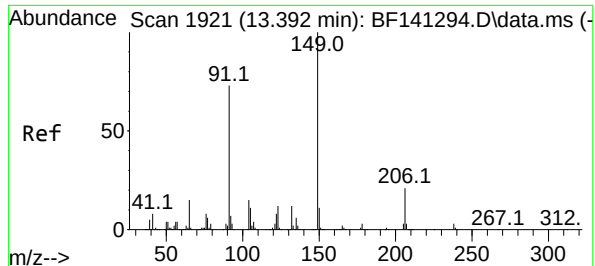
Tgt Ion:202 Resp: 157175
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.6 14.3 21.5



#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 10.9 8.8 13.2





#80

Butylbenzylphthalate

Concen: 5.140 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

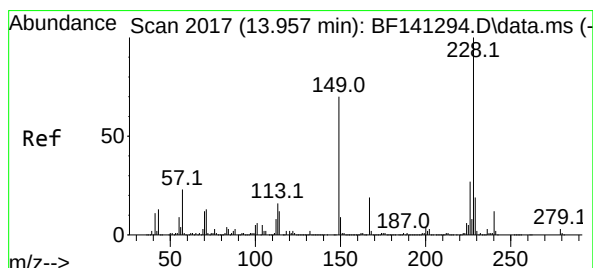
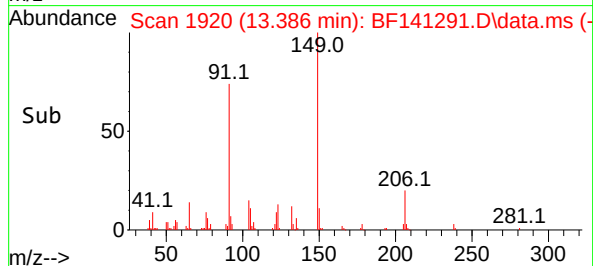
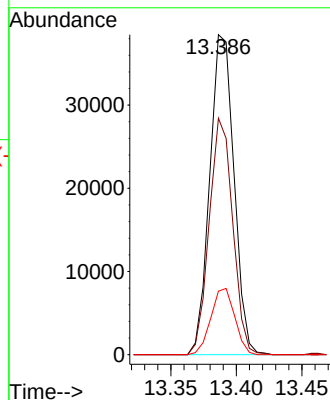
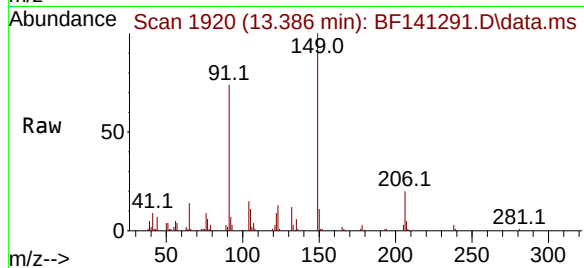
Tgt Ion:149 Resp: 49477

Ion Ratio Lower Upper

149 100

91 73.9 58.6 87.8

206 19.9 16.7 25.1



#81

Benzo(a)anthracene

Concen: 5.588 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

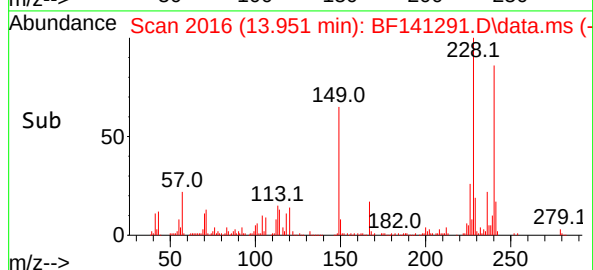
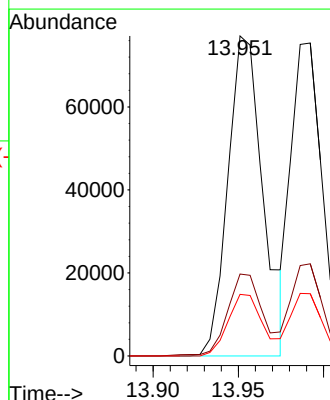
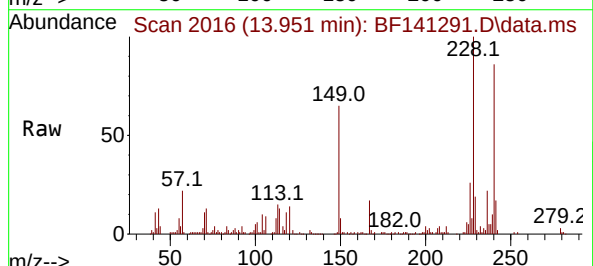
Tgt Ion:228 Resp: 110559

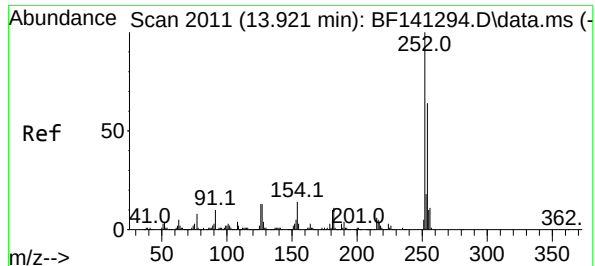
Ion Ratio Lower Upper

228 100

226 25.6 21.4 32.2

229 19.3 15.5 23.3

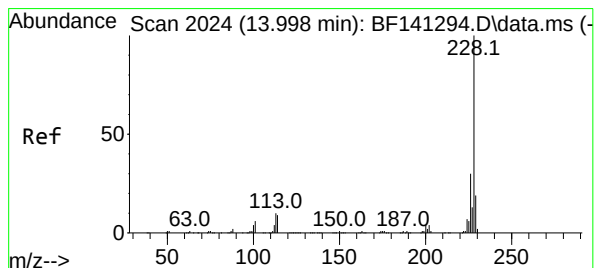
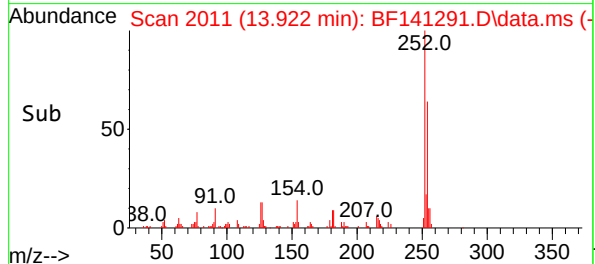
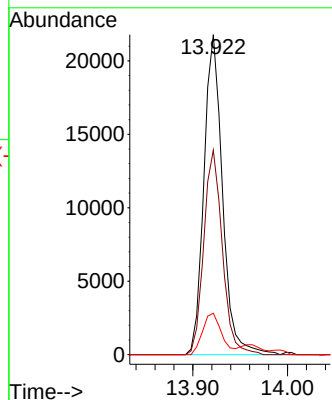
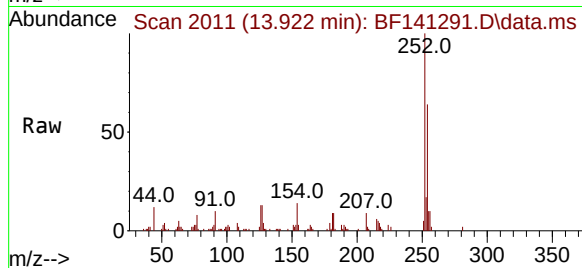




#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

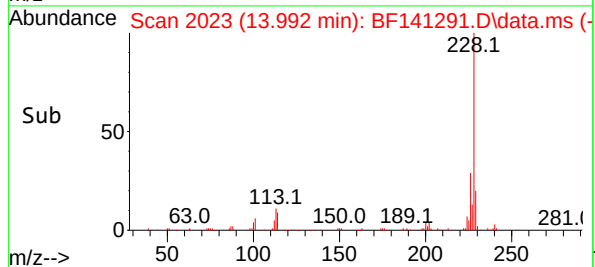
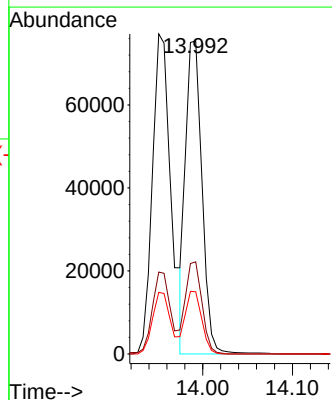
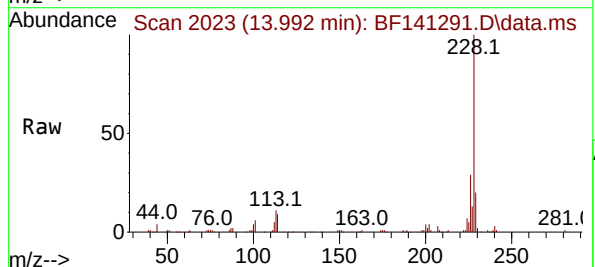
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

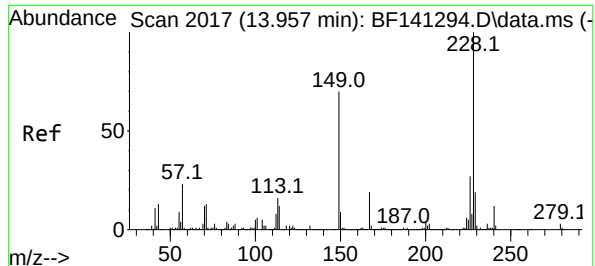
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	13.0	10.0	15.0



#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.9	15.6	23.4

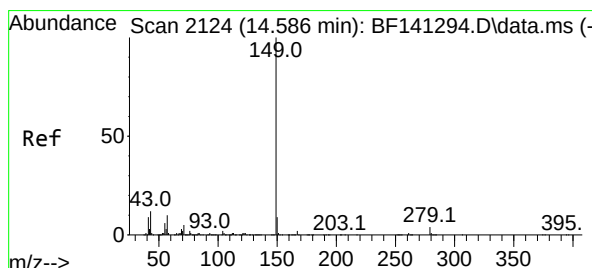
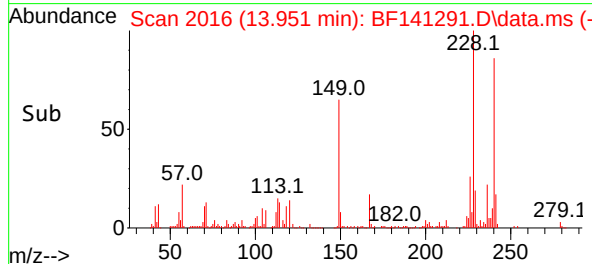
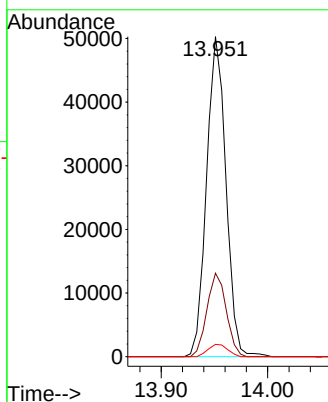
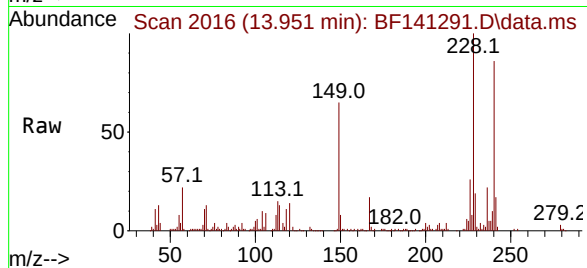




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

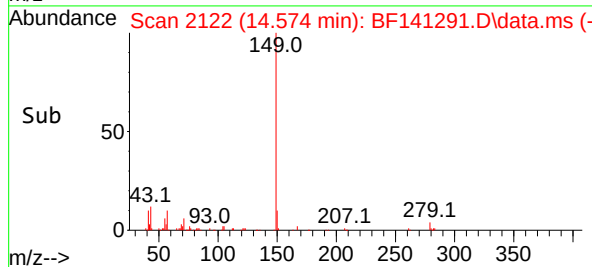
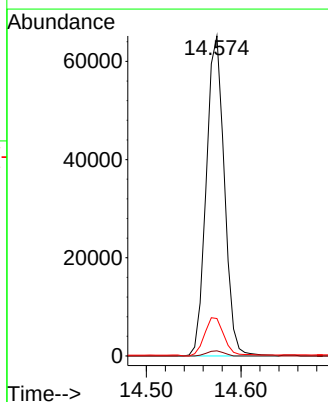
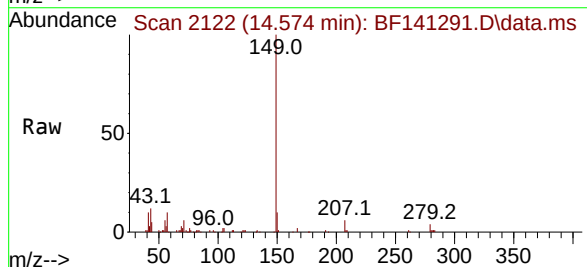
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

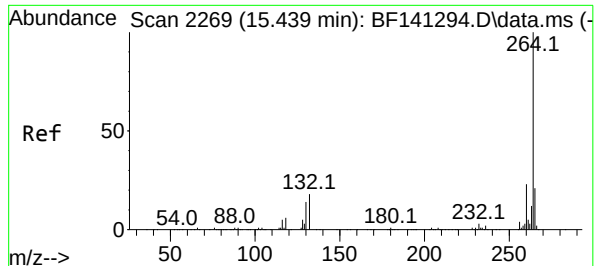
Tgt Ion:149 Resp: 63638
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.9 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.3 9.8 14.8

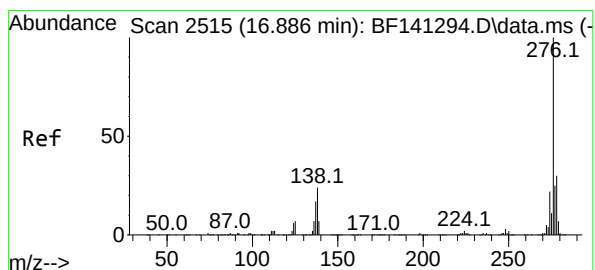
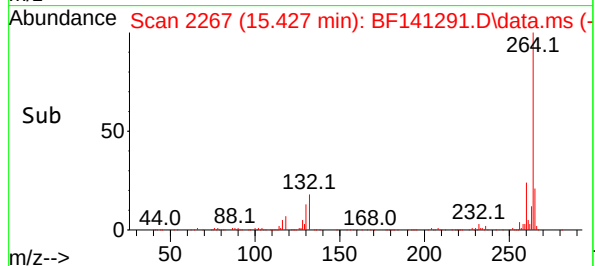
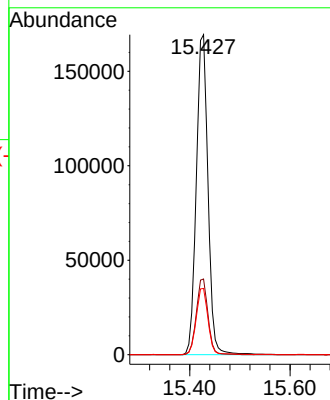
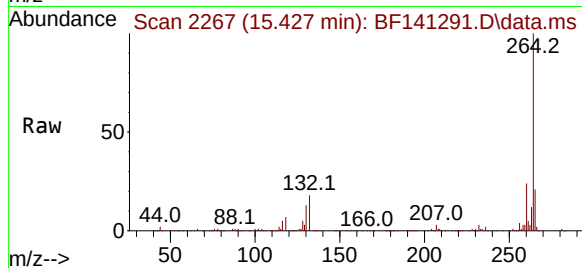




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

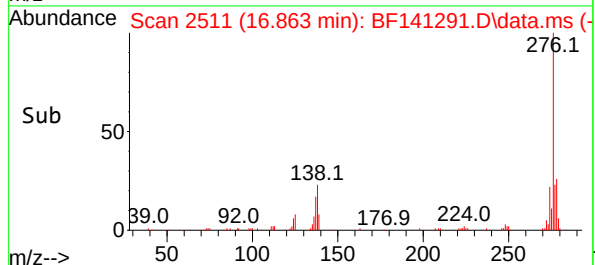
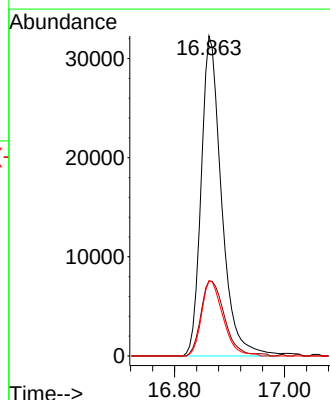
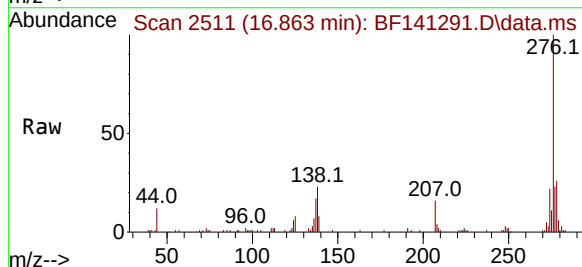
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

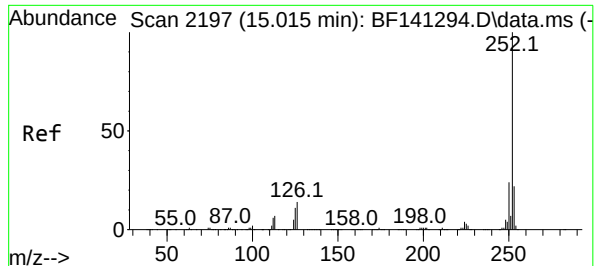
Tgt Ion:264 Resp: 273117
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 20.7 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 24.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.465 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

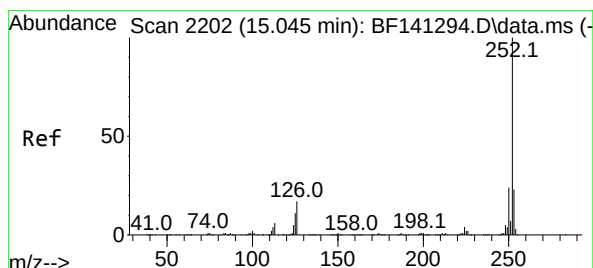
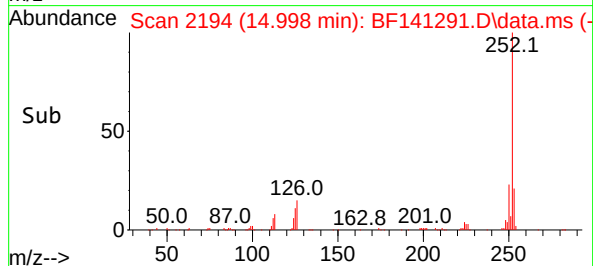
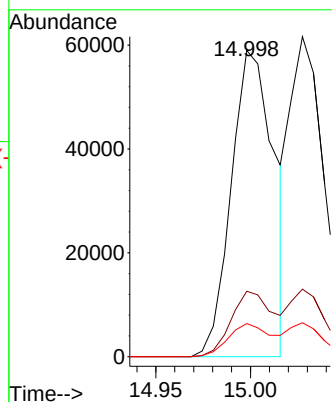
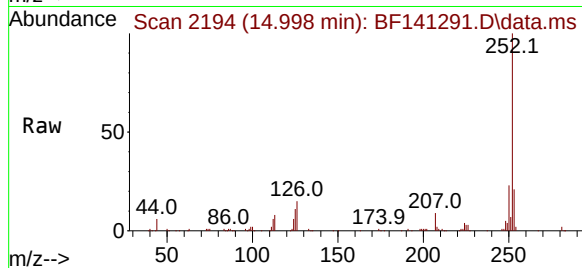
Tgt Ion:252 Resp: 92690

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.8 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 5.247 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

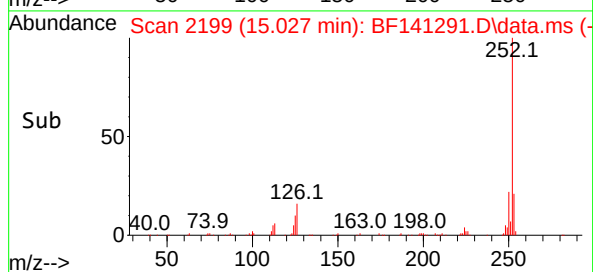
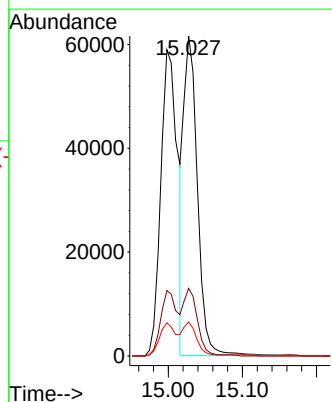
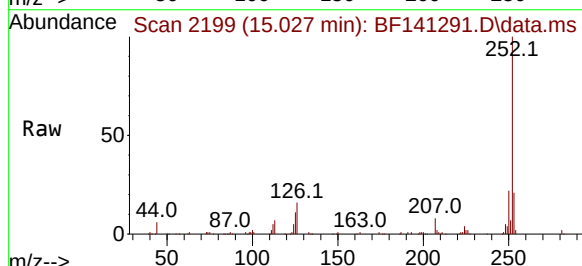
Tgt Ion:252 Resp: 79701

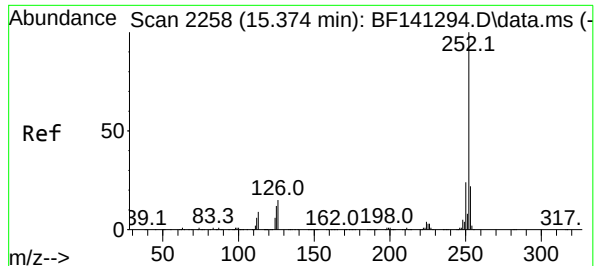
Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 5.268 ng

RT: 15.363 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

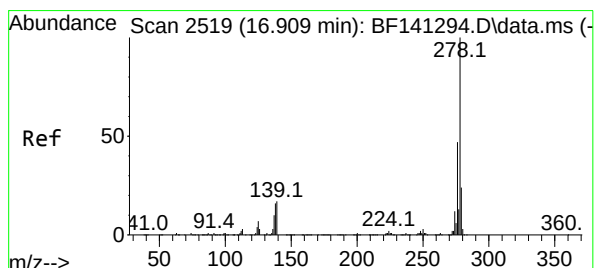
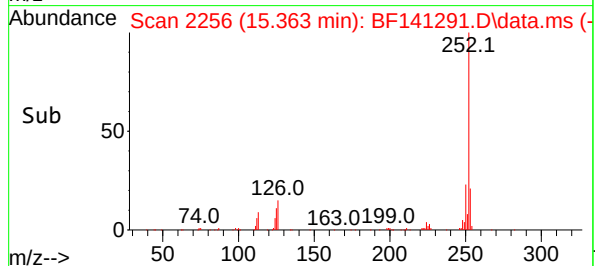
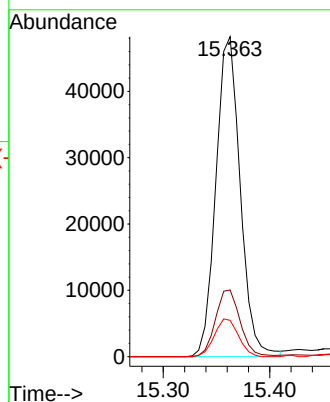
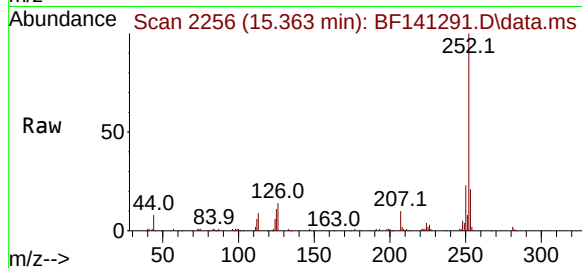
Tgt Ion:252 Resp: 76368

Ion Ratio Lower Upper

252 100

253 20.9 17.2 25.8

125 11.3 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 4.615 ng

RT: 16.886 min Scan# 2515

Delta R.T. -0.023 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

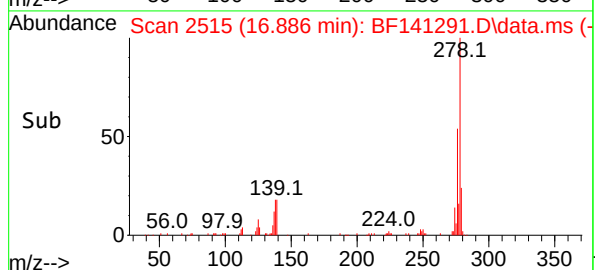
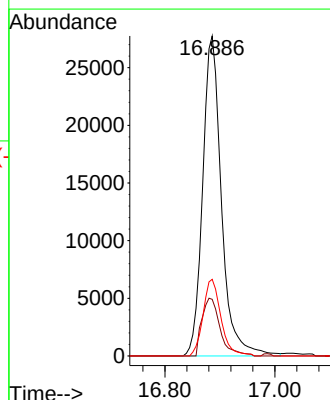
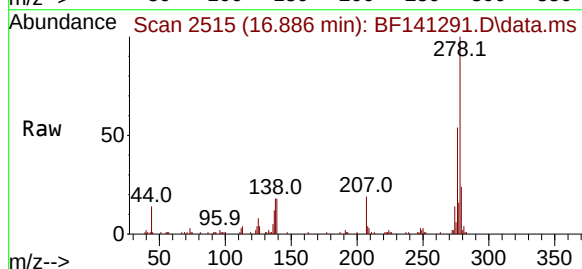
Tgt Ion:278 Resp: 65991

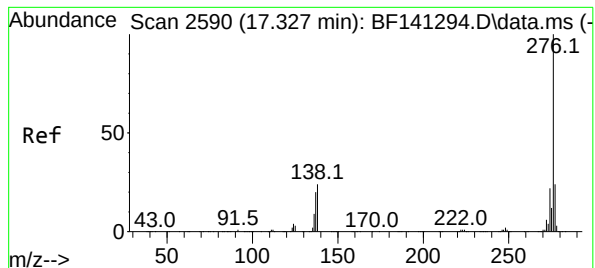
Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

279 24.0 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 4.591 ng

RT: 17.298 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141291.D

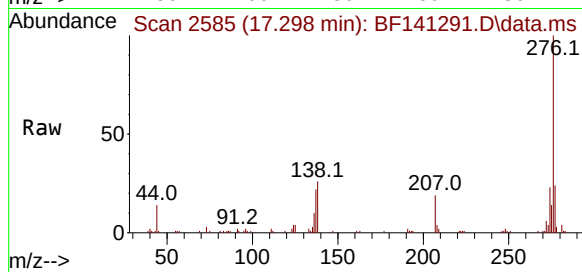
Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



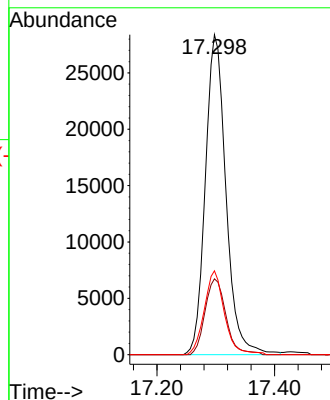
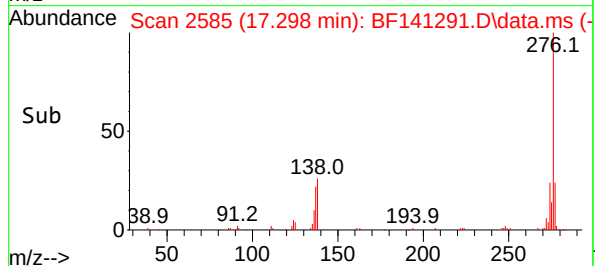
Tgt Ion:276 Resp: 69049

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 26.2 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141292.D
 Acq On : 29 Jan 2025 11:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	289559	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	510795	20.000	ng	0.00
76) Chrysene-d12	13.969	240	308114	20.000	ng	0.00
86) Perylene-d12	15.433	264	280028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	183846	21.507	ng	0.00
7) Phenol-d6	6.416	99	237908	21.836	ng	-0.01
23) Nitrobenzene-d5	7.357	82	211040	20.937	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	57417	21.761	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	423852	22.581	ng	0.00
79) Terphenyl-d14	12.910	244	434781	21.713	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	39830	10.497	ng	98
3) Pyridine	3.222	79	93176	10.267	ng	99
4) n-Nitrosodimethylamine	3.152	42	52157	10.036	ng	98
6) Aniline	6.457	93	99872	10.968	ng	99
8) 2-Chlorophenol	6.581	128	99805	10.871	ng	95
9) Benzaldehyde	6.346	77	74679	11.803	ng	99
10) Phenol	6.434	94	124196	10.775	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	93367	10.533	ng	99
12) 1,3-Dichlorobenzene	6.740	146	110278	10.891	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109956	10.784	ng	99
14) 1,2-Dichlorobenzene	6.969	146	106335	11.160	ng	98
15) Benzyl Alcohol	6.934	79	79378	10.665	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	164185	10.661	ng	99
17) 2-Methylphenol	7.045	107	77643	10.446	ng	98
18) Hexachloroethane	7.310	117	40445	10.721	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	70075	10.815	ng	99
20) 3+4-Methylphenols	7.198	107	103360	11.310	ng	95
22) Acetophenone	7.204	105	139527	11.036	ng	98
24) Nitrobenzene	7.375	77	109497	10.474	ng	99
25) Isophorone	7.616	82	182564	10.480	ng	100
26) 2-Nitrophenol	7.692	139	49783	10.167	ng	98
27) 2,4-Dimethylphenol	7.728	122	63681m	10.177	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	117232	10.561	ng	98
29) 2,4-Dichlorophenol	7.934	162	79949	10.457	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	94419	10.767	ng	98
31) Naphthalene	8.098	128	305386	10.887	ng	99
32) Benzoic acid	7.798	122	47549	8.367	ng	99
33) 4-Chloroaniline	8.151	127	100852	10.703	ng	98
34) Hexachlorobutadiene	8.222	225	55103	10.736	ng	99
35) Caprolactam	8.481	113	25363	10.256	ng	100
36) 4-Chloro-3-methylphenol	8.622	107	87592	10.674	ng	98
37) 2-Methylnaphthalene	8.792	142	195160	10.925	ng	99
38) 1-Methylnaphthalene	8.892	142	192861	11.022	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	88710	10.775	ng	99
41) Hexachlorocyclopentadiene	8.945	237	22759	9.212	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	55036	10.241	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141292.D
 Acq On : 29 Jan 2025 11:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

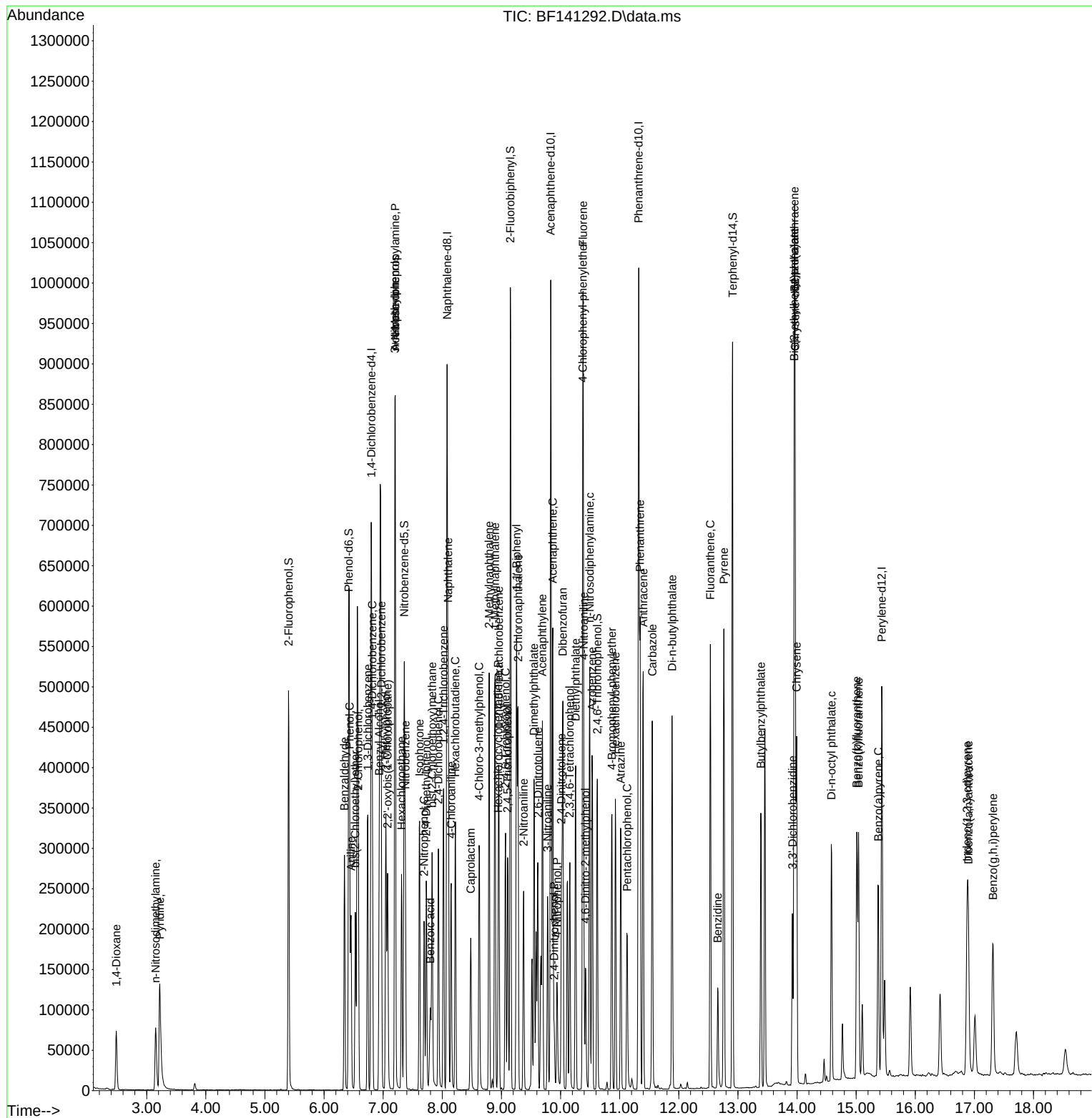
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
50) Dimethylphthalate	9.551	163	210816	10.857	ng	100
51) 2,6-Dinitrotoluene	9.616	165	47955	10.613	ng	97
52) Acenaphthene	9.869	154	188283	10.738	ng	100
53) 3-Nitroaniline	9.781	138	47818	10.699	ng	95
54) 2,4-Dinitrophenol	9.892	184	14749	6.925	ng	98
55) Dibenzofuran	10.039	168	258832	11.038	ng	99
56) 4-Nitrophenol	9.939	139	31196	9.722	ng	98
57) 2,4-Dinitrotoluene	10.016	165	62418	10.710	ng	99
58) Fluorene	10.381	166	204141	11.197	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	49596	10.737	ng	100
60) Diethylphthalate	10.257	149	205131	10.908	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	100485	11.294	ng	100
62) 4-Nitroaniline	10.392	138	45222	10.533	ng	99
63) Azobenzene	10.534	77	204300	10.839	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	26939	8.831	ng	91
66) n-Nitrosodiphenylamine	10.492	169	174617	10.544	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	59770	10.468	ng	96
68) Hexachlorobenzene	10.928	284	63908	10.551	ng	100
69) Atrazine	11.016	200	51633	9.295	ng	99
70) Pentachlorophenol	11.128	266	34788	9.796	ng	99
71) Phenanthrene	11.345	178	298892	10.893	ng	99
72) Anthracene	11.398	178	292813	10.940	ng	99
73) Carbazole	11.551	167	258853	10.919	ng	99
74) Di-n-butylphthalate	11.886	149	316336	11.070	ng	99
75) Fluoranthene	12.533	202	306969	11.462	ng	99
77) Benzidine	12.657	184	73918	7.890	ng	98
78) Pyrene	12.763	202	317744	10.681	ng	99
80) Butylbenzylphthalate	13.386	149	106335	10.349	ng	99
81) Benzo(a)anthracene	13.957	228	217291	10.289	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	65021	9.833	ng	99
83) Chrysene	13.992	228	204080	10.421	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	139099	10.789	ng	99
85) Di-n-octyl phthalate	14.580	149	195129	9.676	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	177554	9.708	ng	100
88) Benzo(b)fluoranthene	15.010	252	193558	11.130	ng	99
89) Benzo(k)fluoranthene	15.039	252	155925	10.012	ng	99
90) Benzo(a)pyrene	15.374	252	148214	9.972	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	140143	9.559	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150453	9.756	ng	99

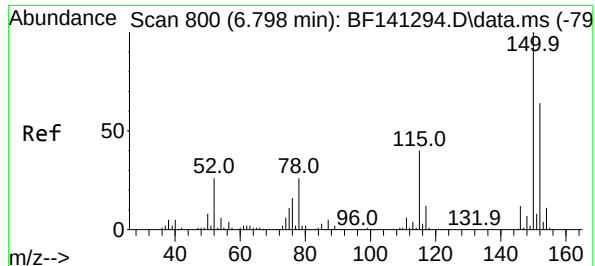
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations

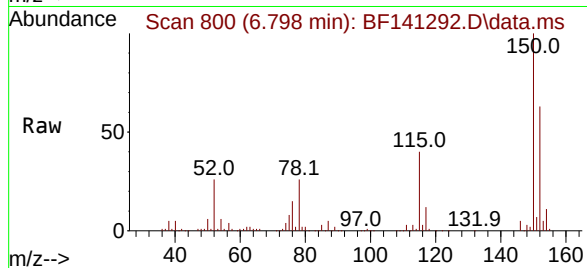
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

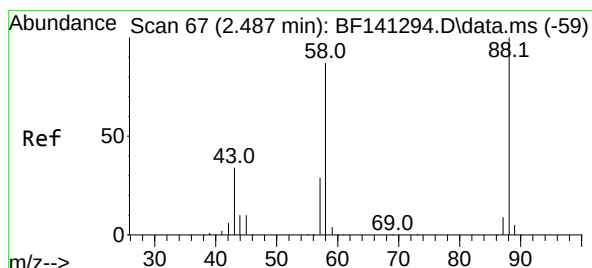
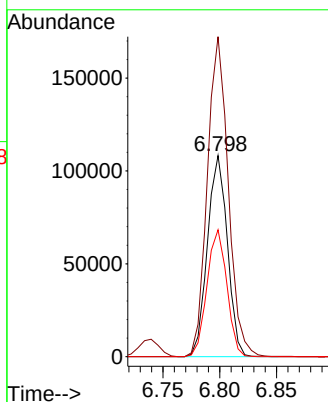
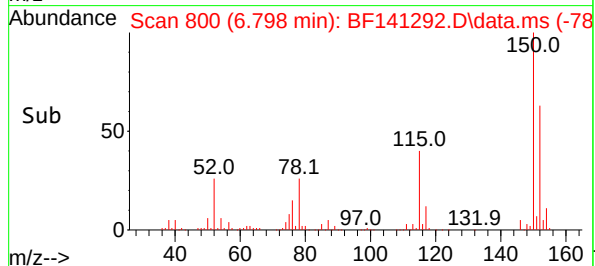
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 132200
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 63.1 49.7 74.5

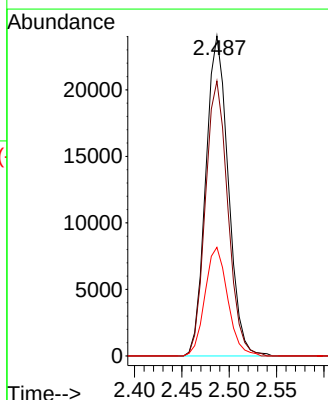
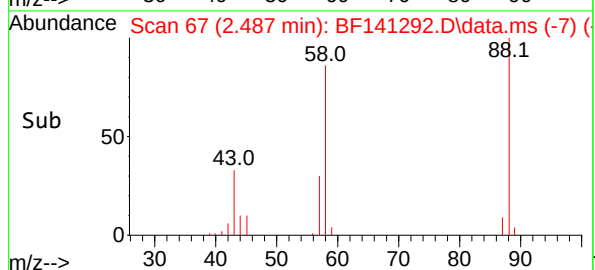
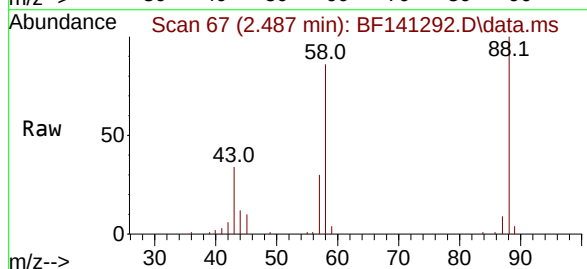
Manual Integrations
APPROVED

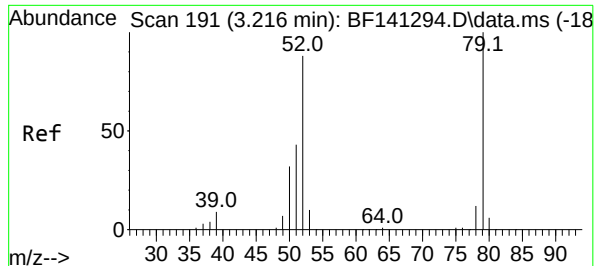
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

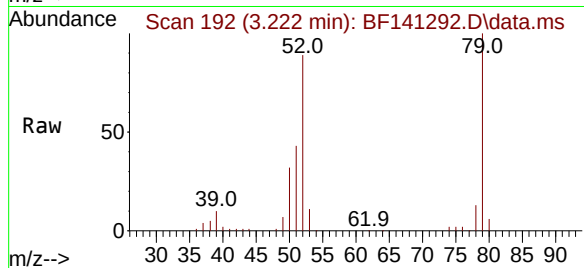
Tgt Ion: 88 Resp: 39830
Ion Ratio Lower Upper
88 100
58 85.5 70.2 105.4
43 34.3 27.6 41.4





#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 191
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

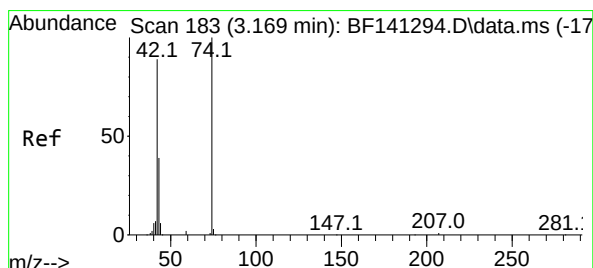
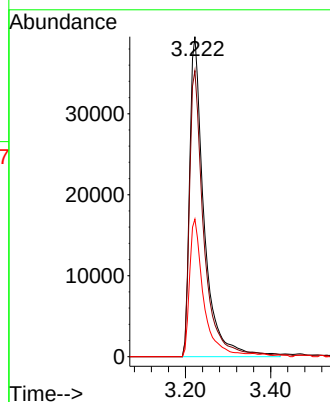
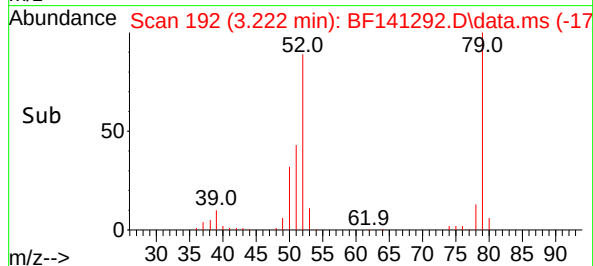
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 93170
Ion Ratio Lower Upper
79 100
52 89.4 70.3 105.5
51 43.0 34.3 51.5

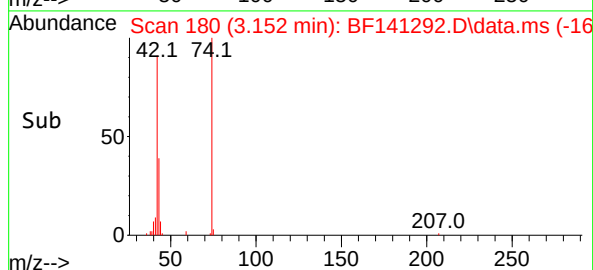
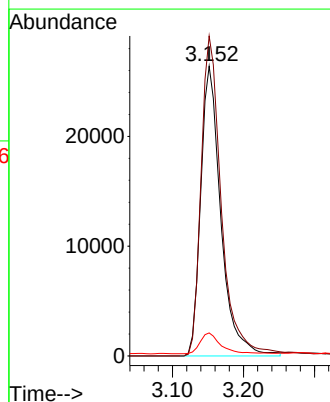
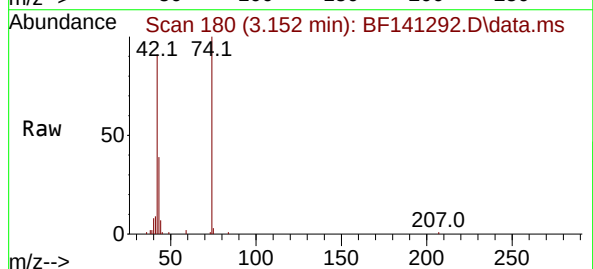
Manual Integrations
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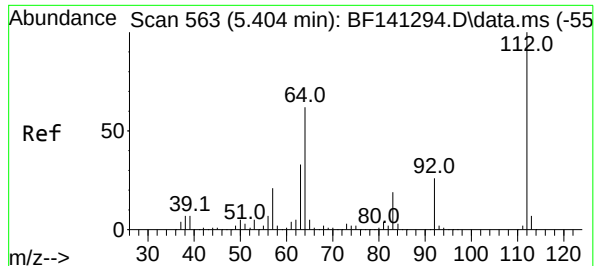
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 42 Resp: 52157
Ion Ratio Lower Upper
42 100
74 110.5 90.3 135.5
44 8.0 5.7 8.5





#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

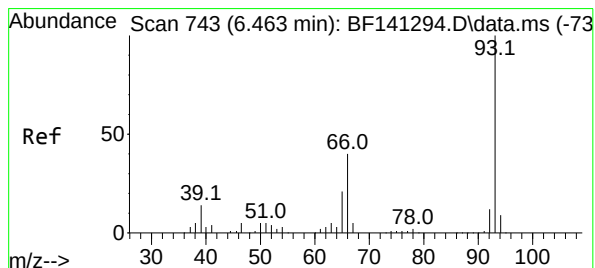
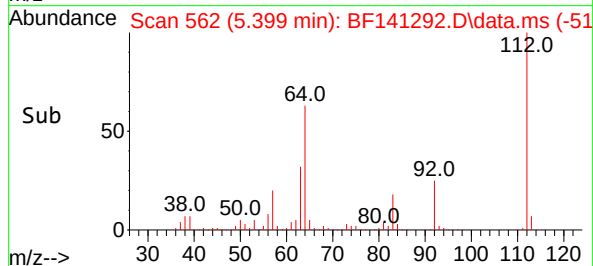
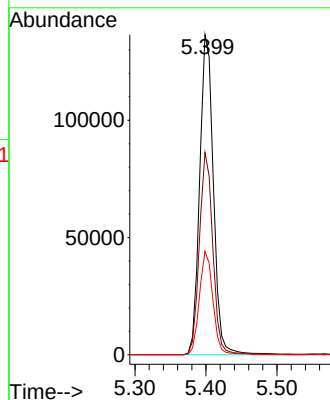
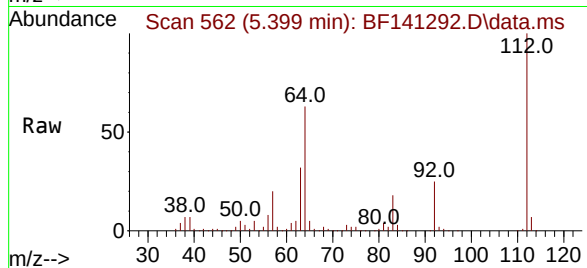
ClientSampleId :

SSTDICC010

Tgt Ion:112 Resp: 183840
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 32.3 26.1 39.1

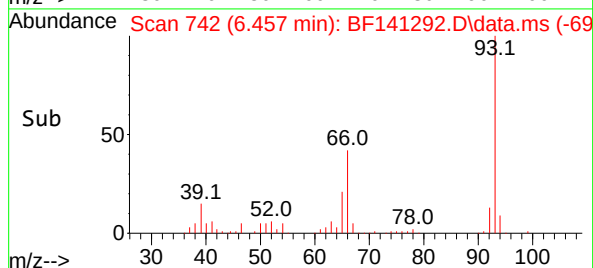
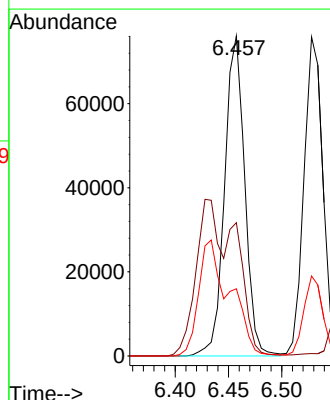
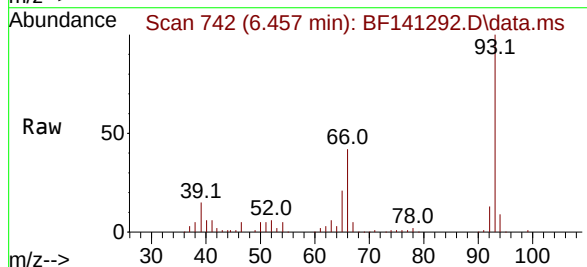
Manual Integrations
APPROVED

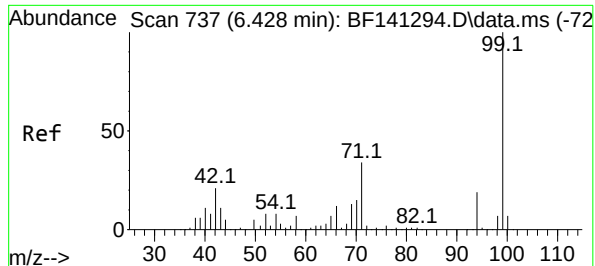
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872
Ion Ratio Lower Upper
93 100
66 41.7 32.5 48.7
65 21.0 17.0 25.6





#7

Phenol-d6

Concen: 21.836 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 237908

Ion Ratio Lower Upper

99 100

42 20.8 17.1 25.7

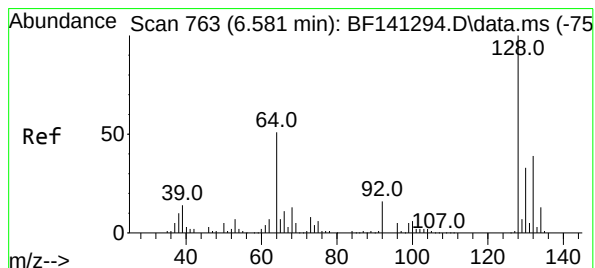
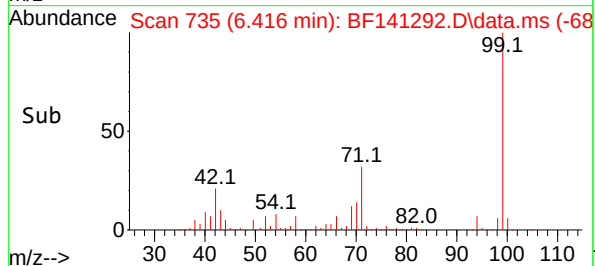
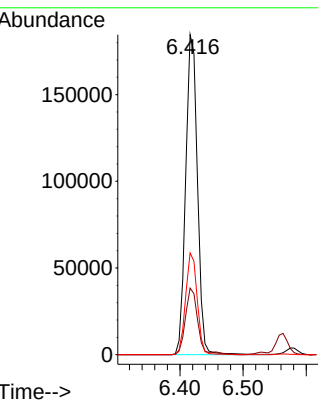
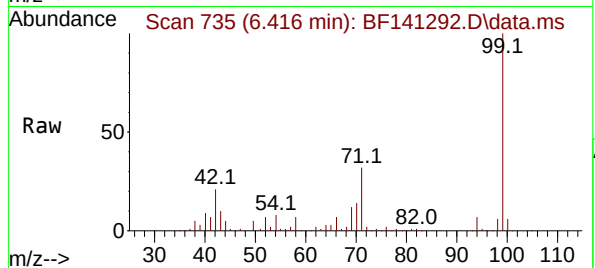
71 31.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 10.871 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

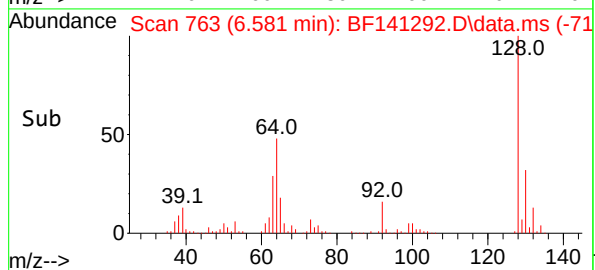
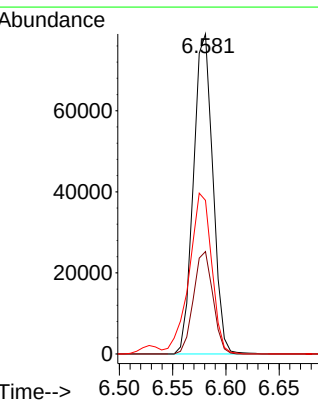
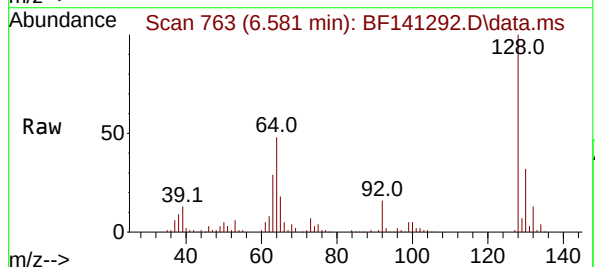
Tgt Ion:128 Resp: 99805

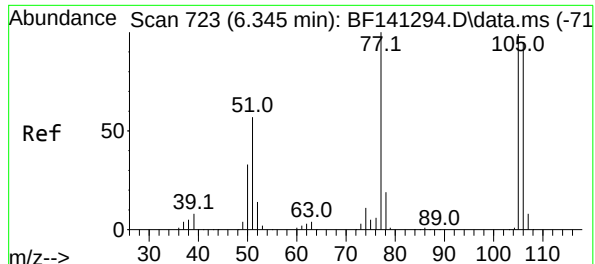
Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

64 48.0 32.9 72.9



#9
Benzaldehyde

Concen: 11.803 ng

RT: 6.346 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 74679

Ion Ratio Lower Upper

77 100

105 99.6 79.4 119.4

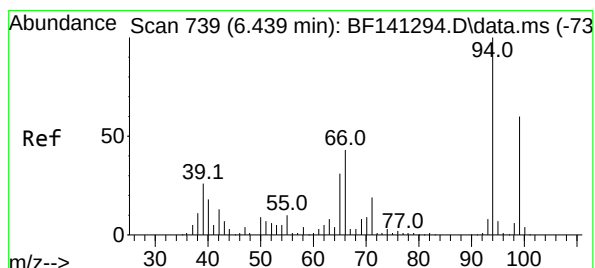
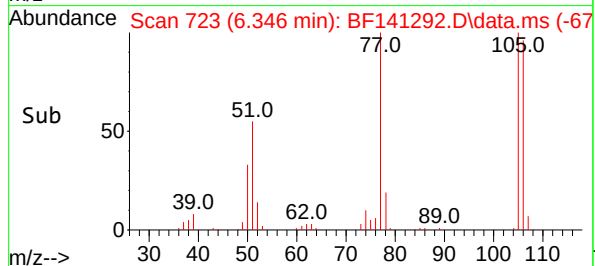
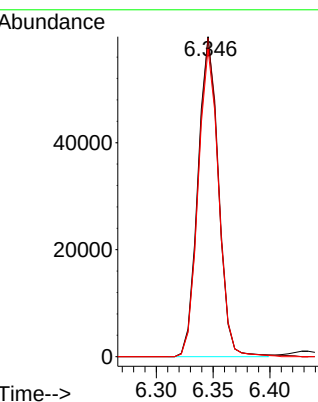
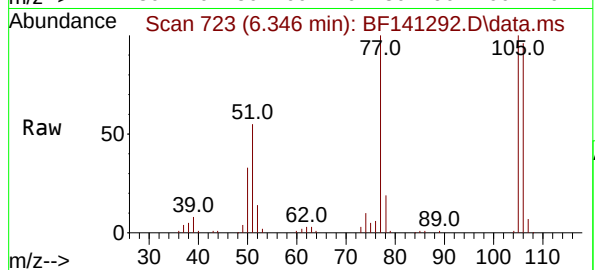
106 96.1 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 10.775 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

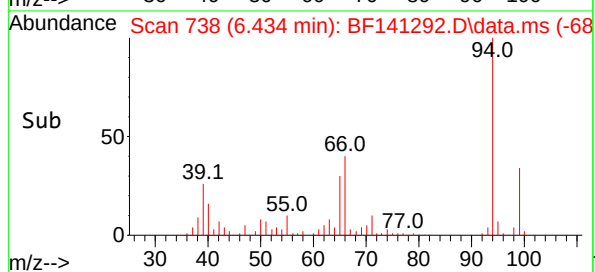
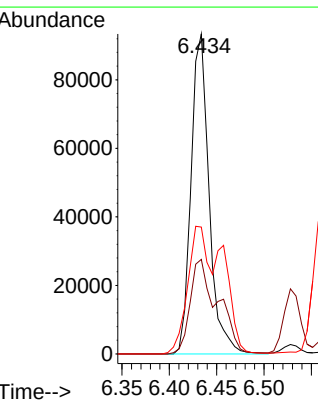
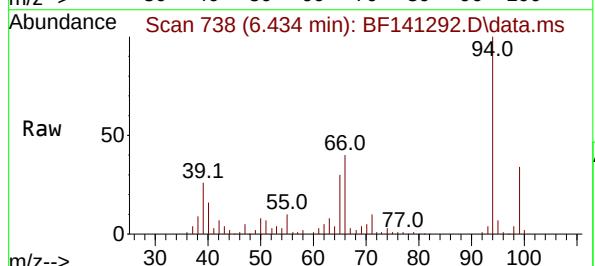
Tgt Ion: 94 Resp: 124196

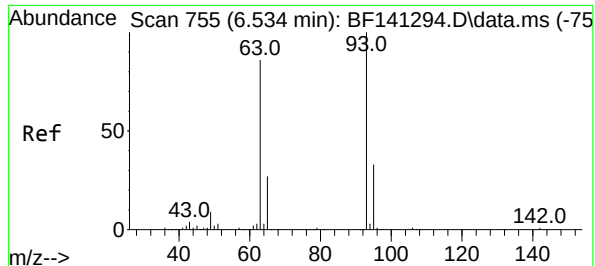
Ion Ratio Lower Upper

94 100

65 29.5 10.8 50.8

66 39.7 23.3 63.3





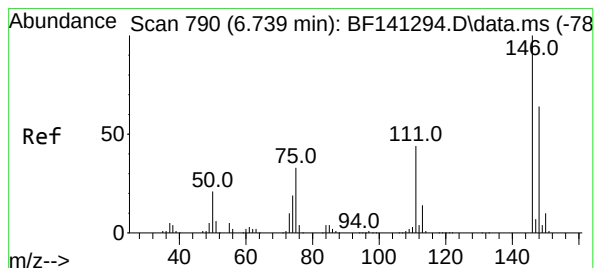
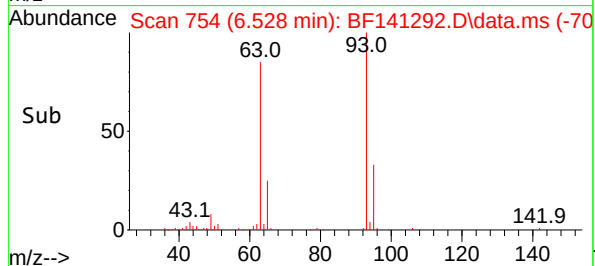
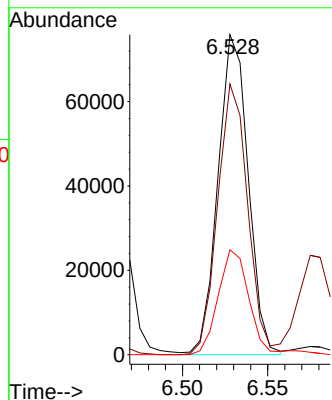
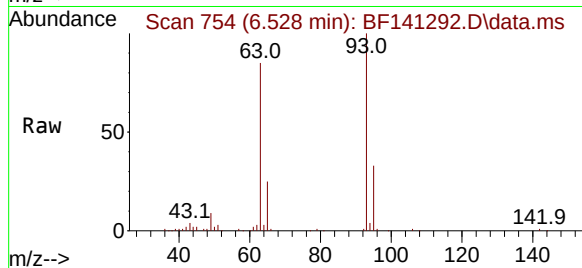
#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 9336
Ion Ratio Lower Upper
93 100
63 84.6 65.0 105.0
95 32.8 12.4 52.4

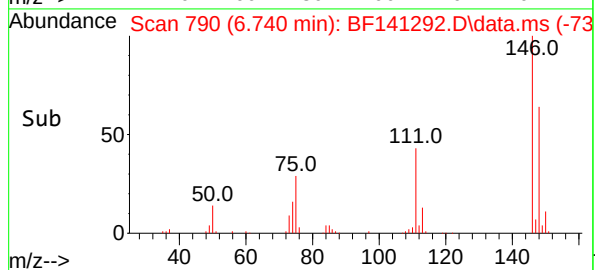
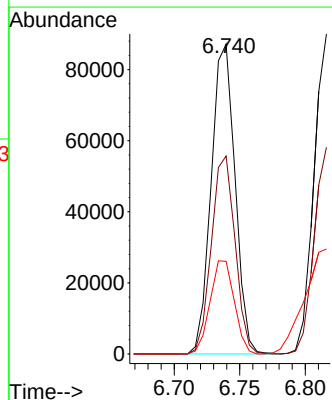
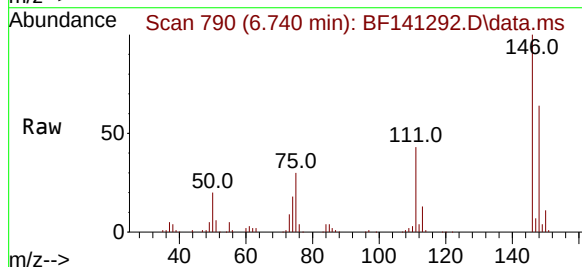
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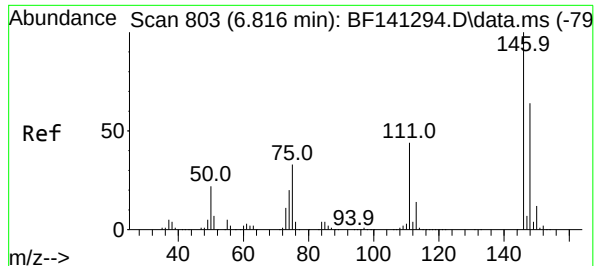
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 110278
Ion Ratio Lower Upper
146 100
148 63.8 51.2 76.8
75 29.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 10.784 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 109950

Ion Ratio Lower Upper

146 100

148 64.6 51.2 76.8

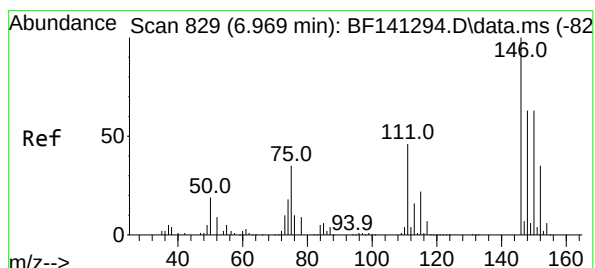
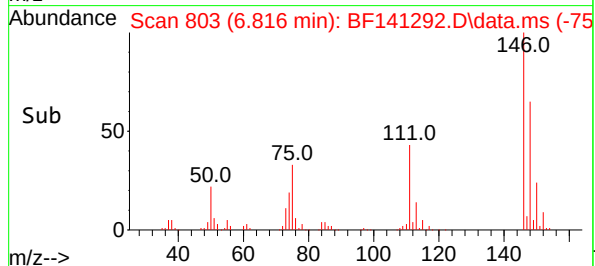
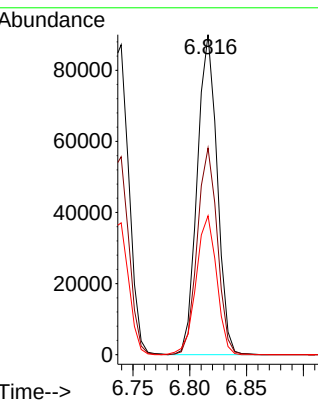
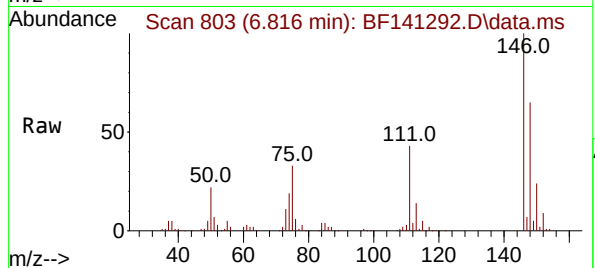
111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 11.160 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

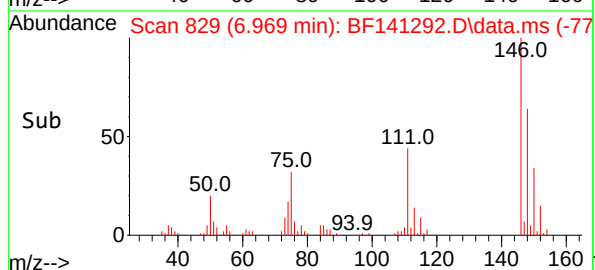
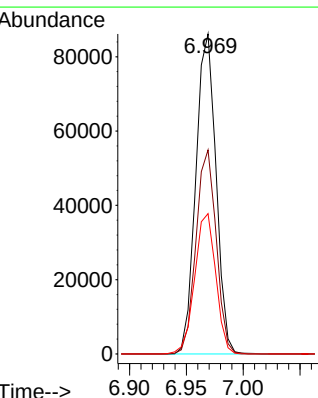
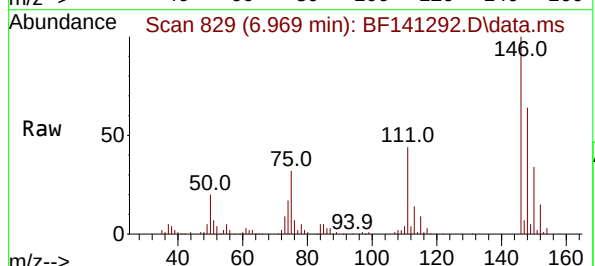
Tgt Ion:146 Resp: 106335

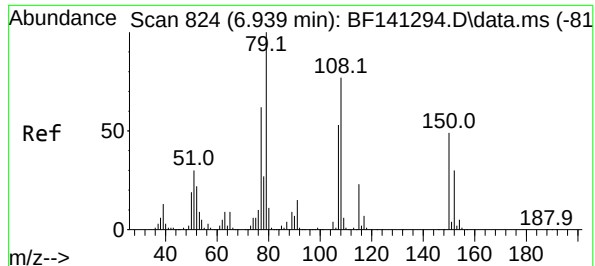
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

111 43.8 36.6 55.0





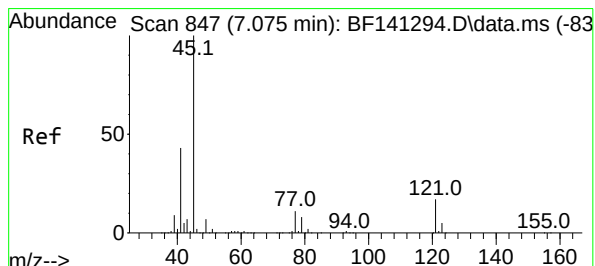
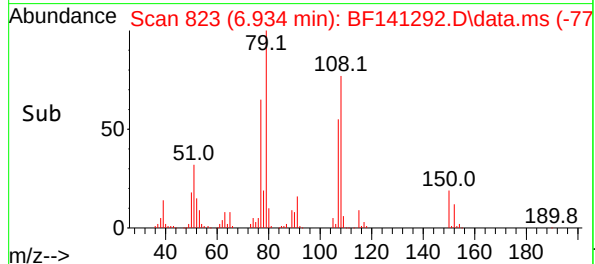
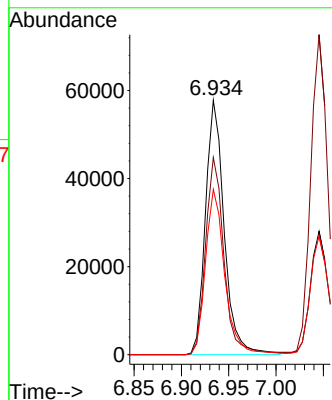
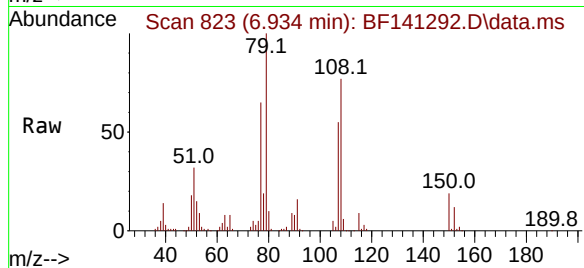
#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 79378
Ion Ratio Lower Upper
79 100
108 77.5 61.4 92.0
77 65.0 49.9 74.9

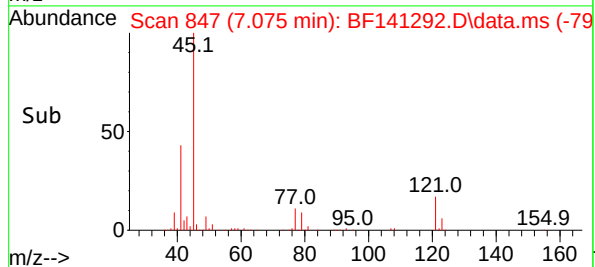
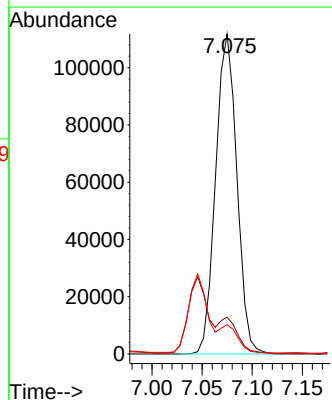
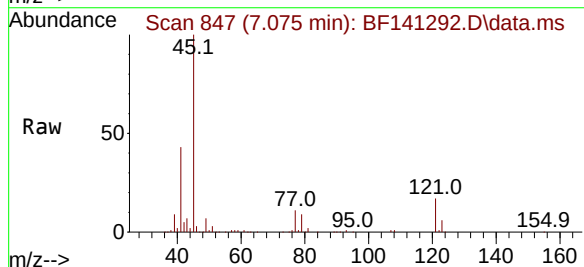
Manual Integrations
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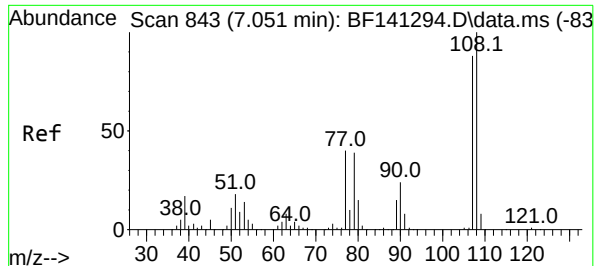
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 45 Resp: 164185
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.2 0.0 29.1





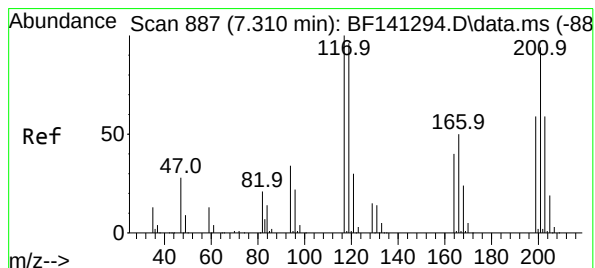
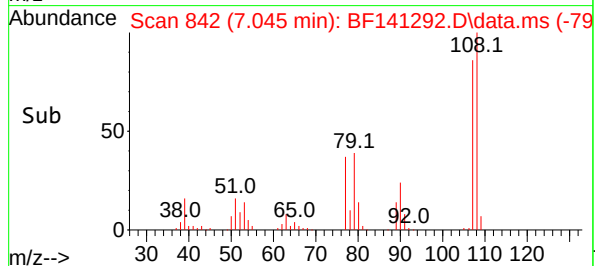
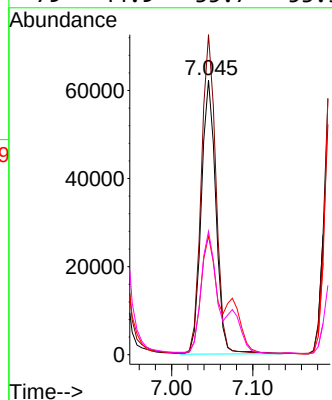
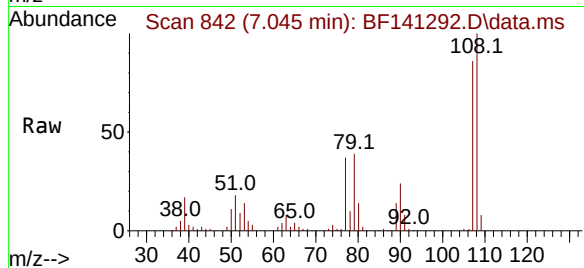
#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 7764
Ion Ratio Lower Upper
107 100
108 116.6 90.8 136.2
77 43.3 36.2 54.4
79 44.9 35.7 53.5

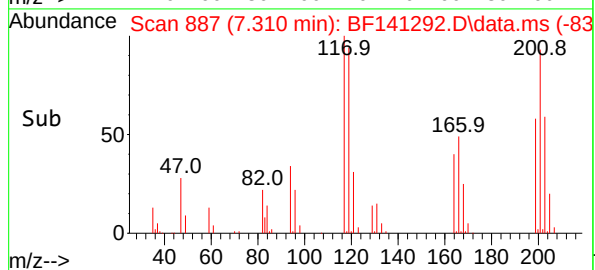
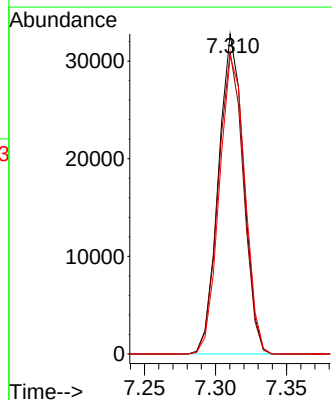
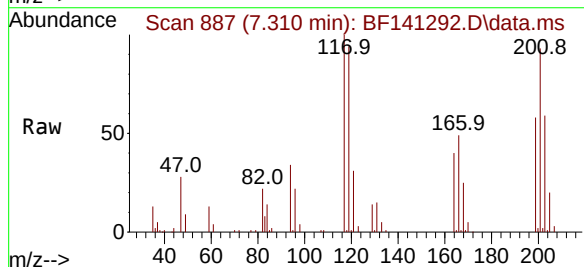
Manual Integrations
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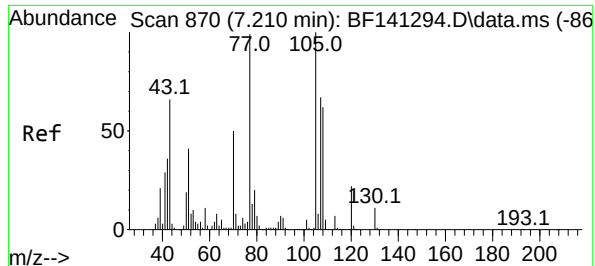
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:117 Resp: 40445
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8
201 93.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.815 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 70075

Ion Ratio Lower Upper

70 100

42 69.8 56.8 85.2

101 10.0 7.7 11.5

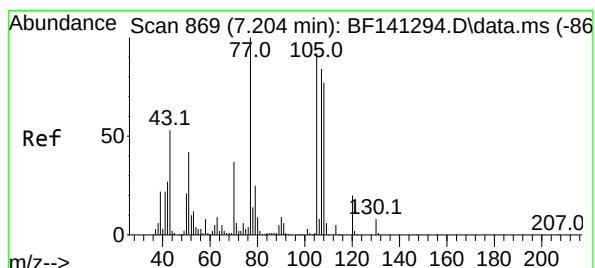
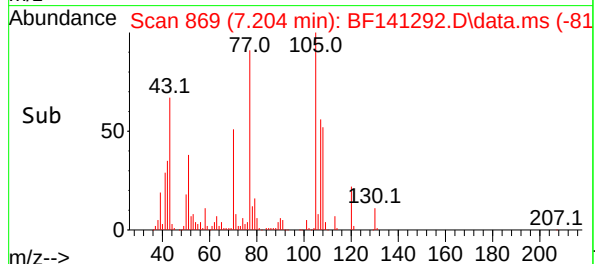
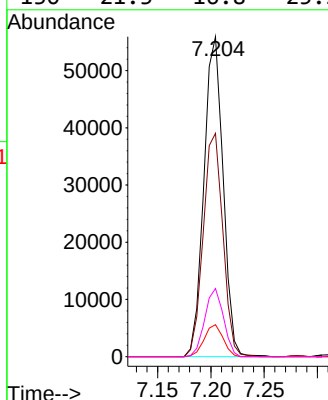
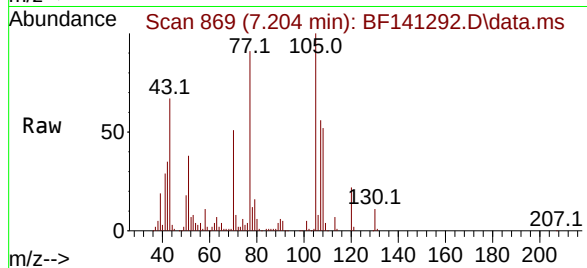
130 21.3 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 11.310 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

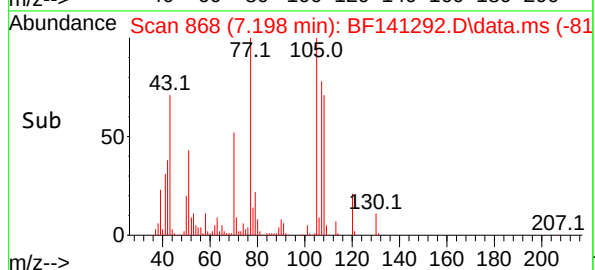
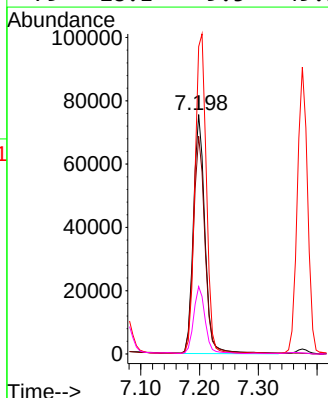
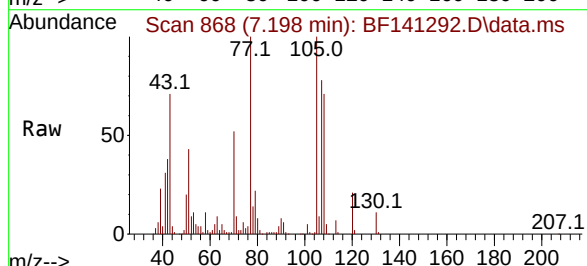
Ion Ratio Lower Upper

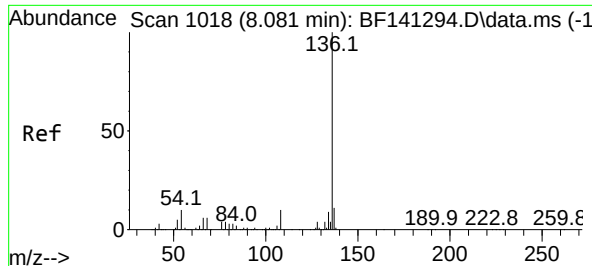
107 100

108 91.0 70.9 110.9

77 128.4 98.5 138.5

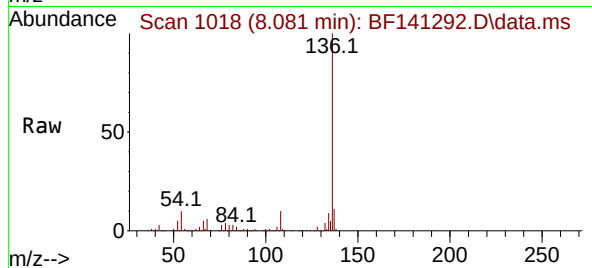
79 28.1 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

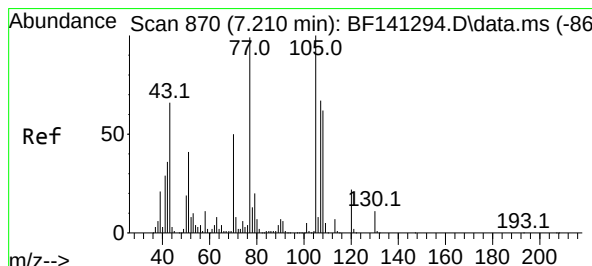
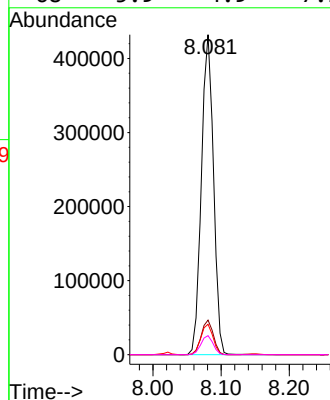
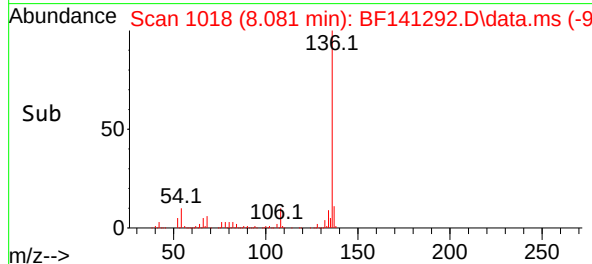
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



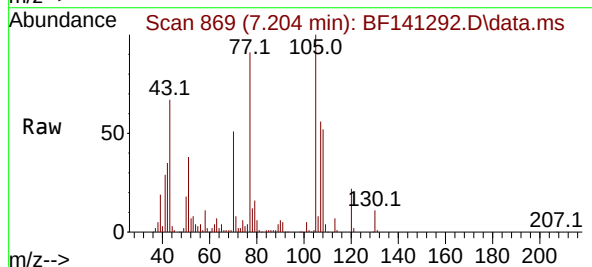
Tgt Ion:136 Resp: 533320
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.5 7.8 11.8
68 5.9 4.9 7.3

Manual Integrations
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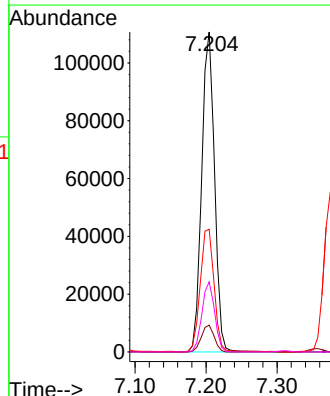
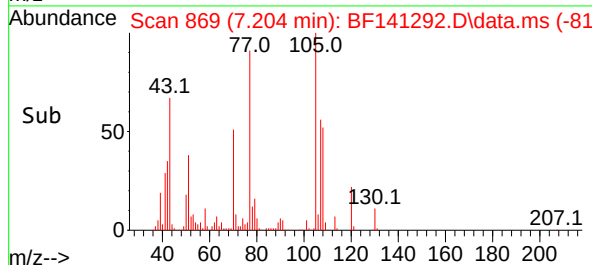
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

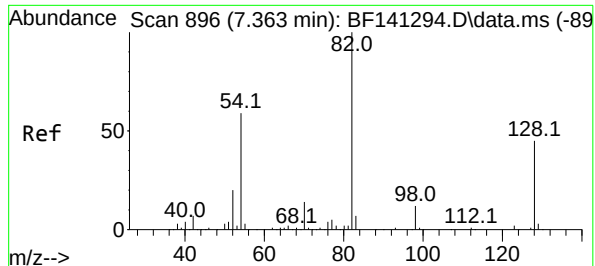


#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:105 Resp: 139527
Ion Ratio Lower Upper
105 100
71 8.4 6.8 10.2
51 38.3 32.6 49.0
120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 20.937 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 211040

Ion Ratio Lower Upper

82 100

128 44.0 35.7 53.5

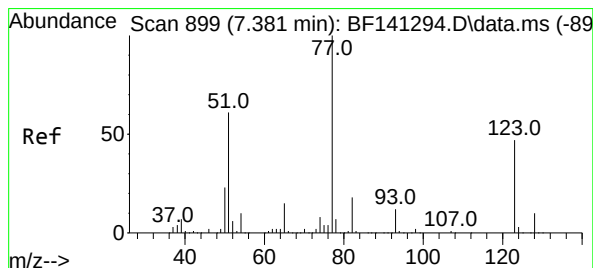
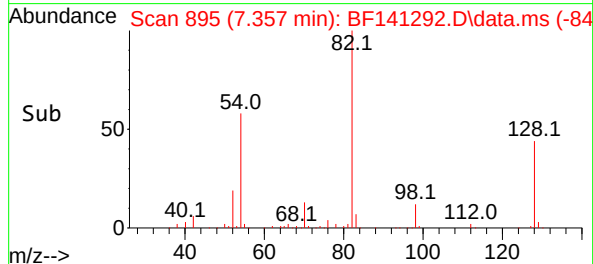
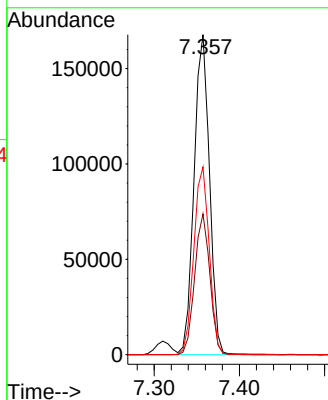
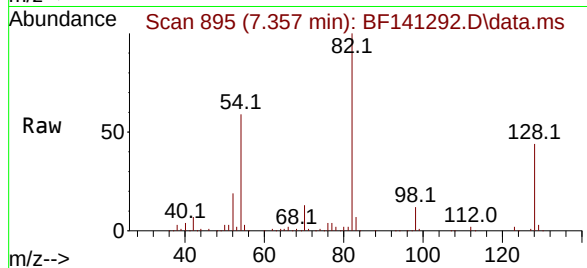
54 58.7 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 10.474 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

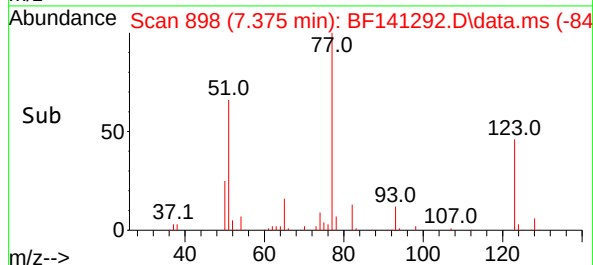
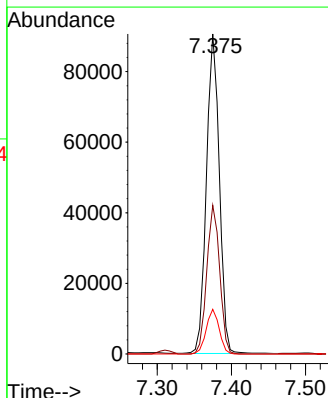
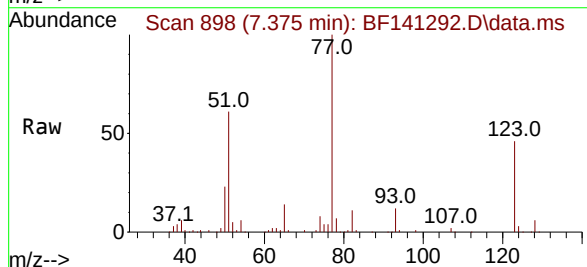
Tgt Ion: 77 Resp: 109497

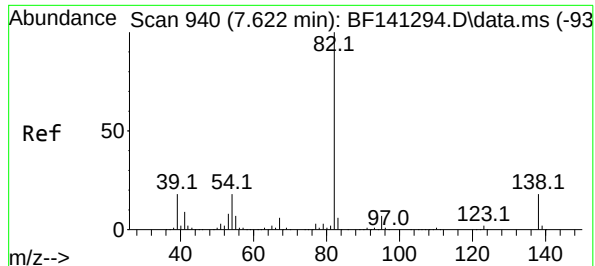
Ion Ratio Lower Upper

77 100

123 46.5 37.3 55.9

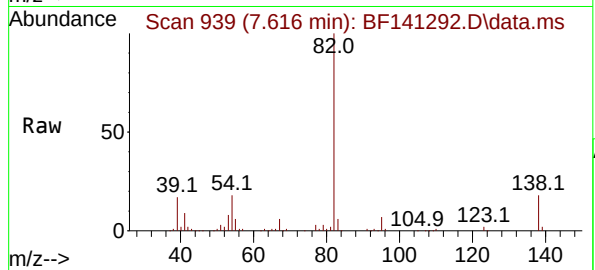
65 14.0 11.8 17.6





#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

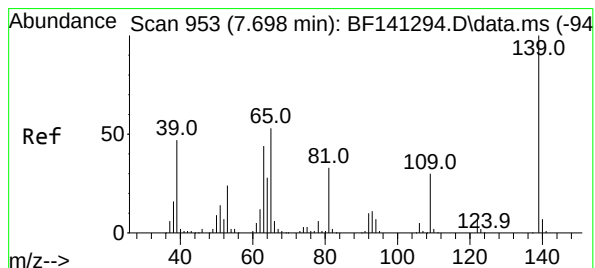
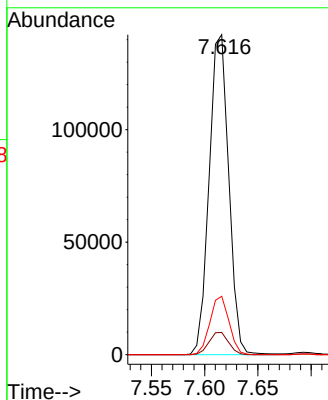
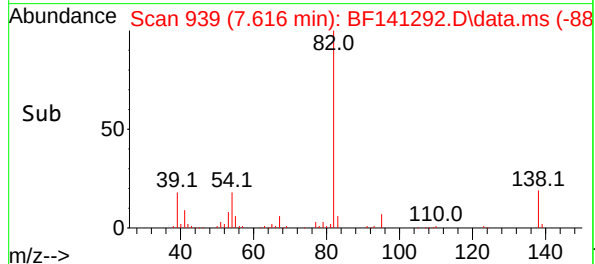
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 182564
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.6
138 18.2 14.7 22.1

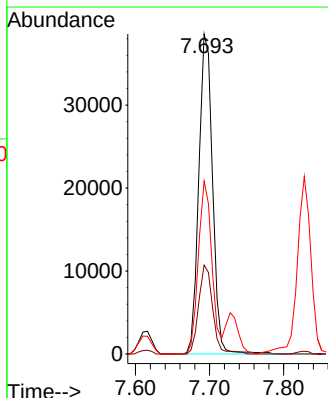
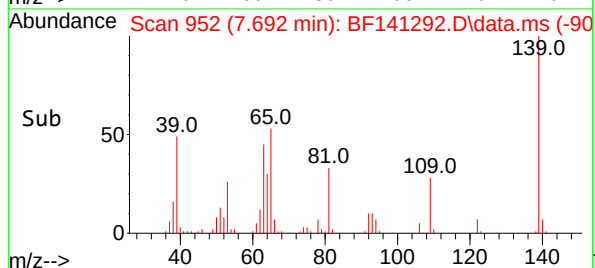
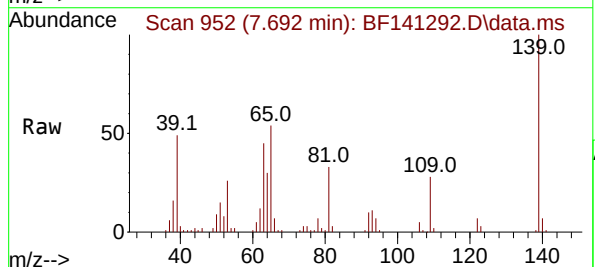
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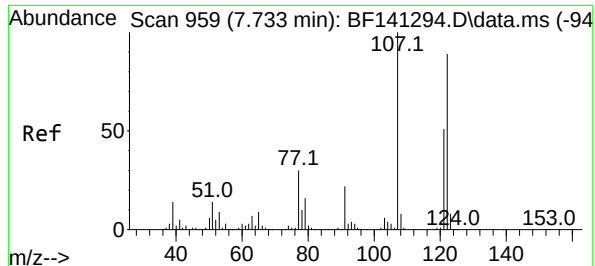
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 49783
Ion Ratio Lower Upper
139 100
109 27.8 23.8 35.6
65 54.0 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 10.177 ng m

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 6368

Ion Ratio Lower Upper

122 100

107 114.9 89.9 134.9

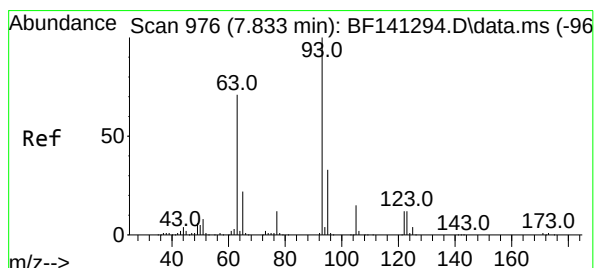
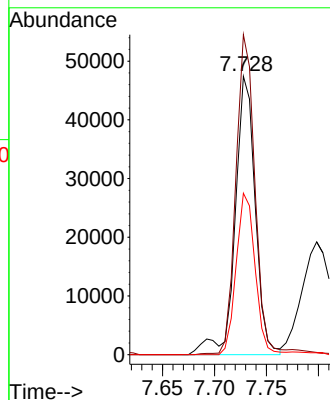
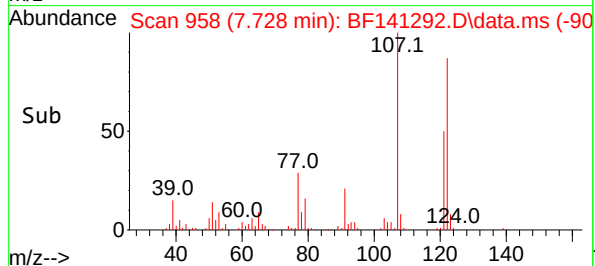
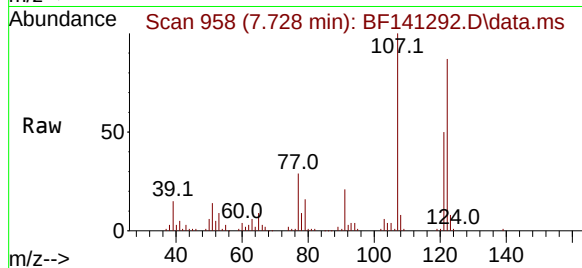
121 58.0 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.561 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

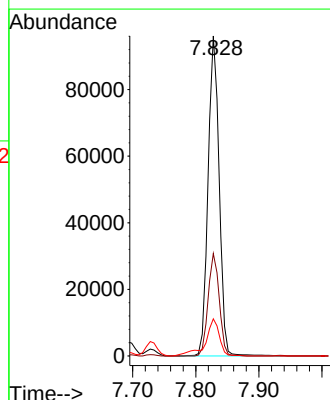
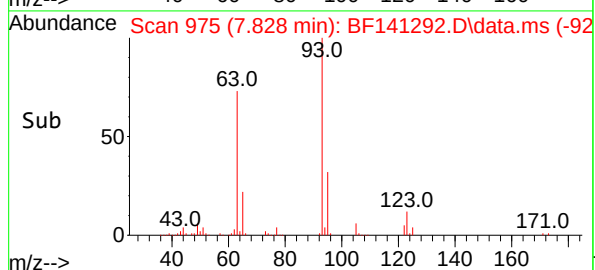
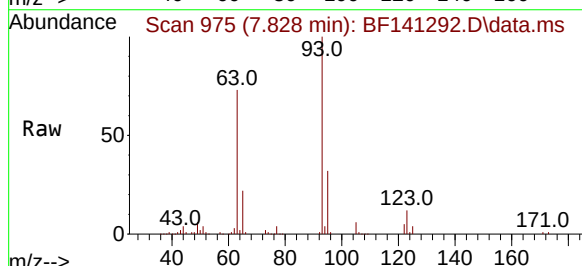
Tgt Ion: 93 Resp: 117232

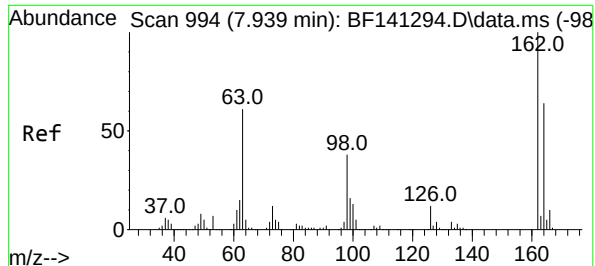
Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.2

123 11.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 10.457 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 79949

Ion Ratio Lower Upper

162 100

164 63.4 44.2 84.2

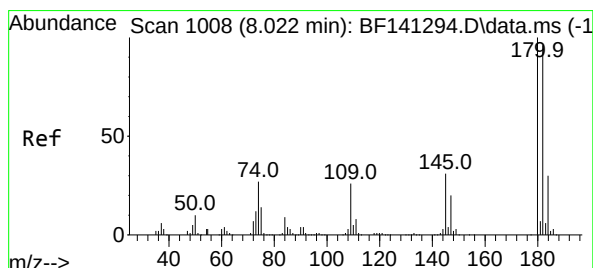
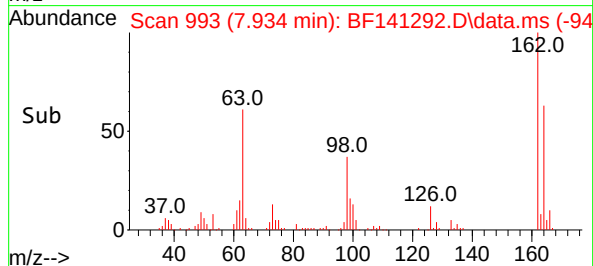
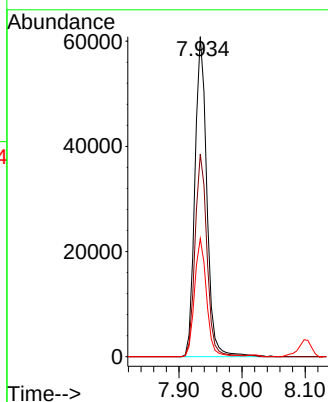
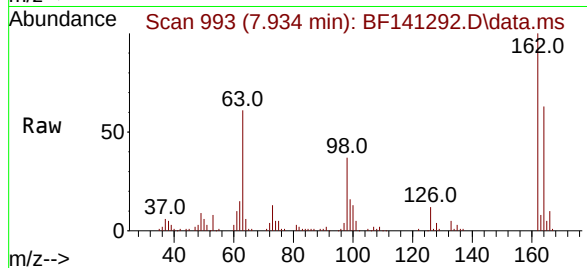
98 36.9 18.2 58.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.767 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

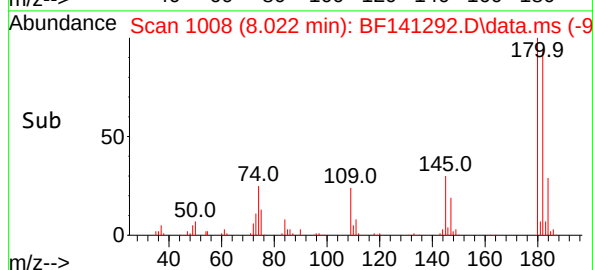
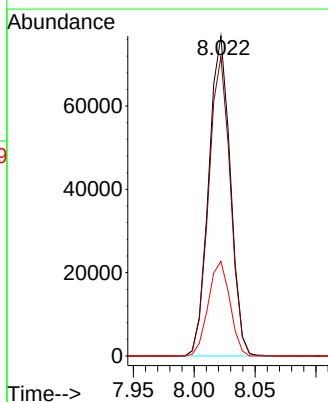
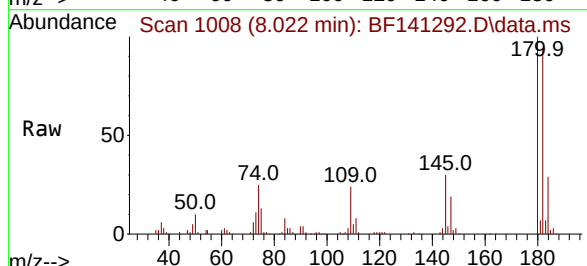
Tgt Ion:180 Resp: 94419

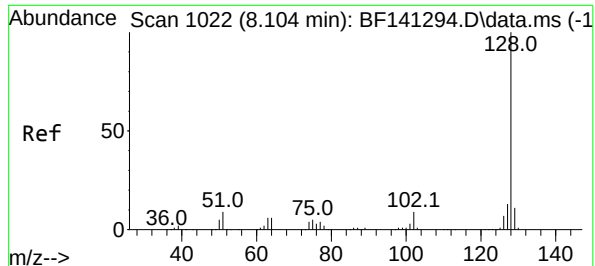
Ion Ratio Lower Upper

180 100

182 93.6 76.4 114.6

145 29.6 24.9 37.3





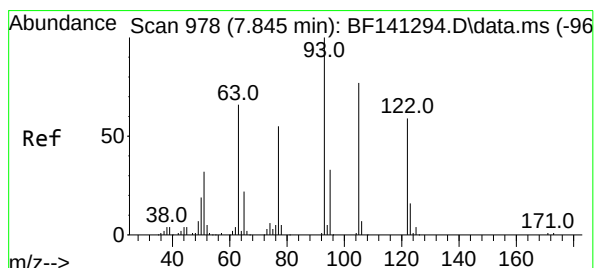
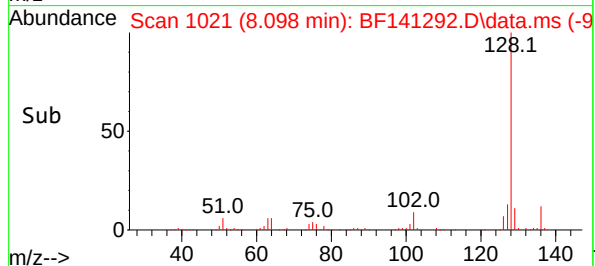
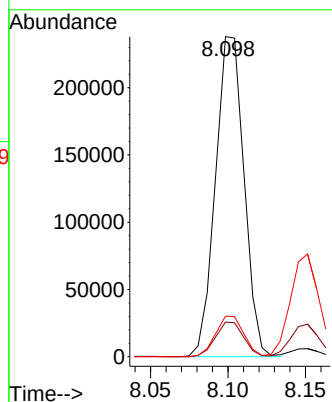
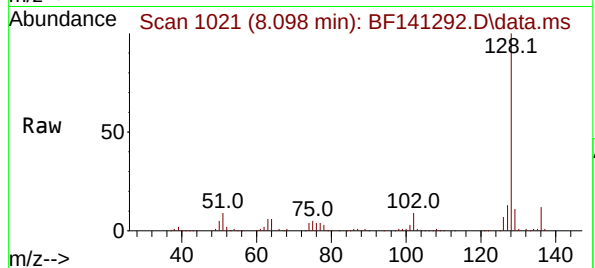
#31
Naphthalene
Concen: 10.887 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 305380
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.7 10.6 15.8

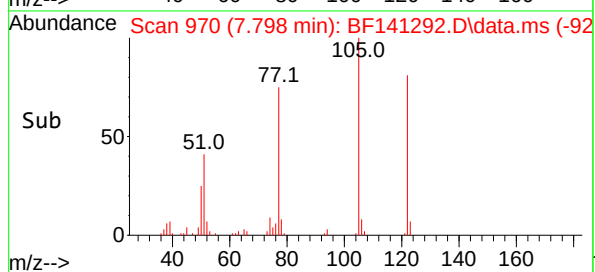
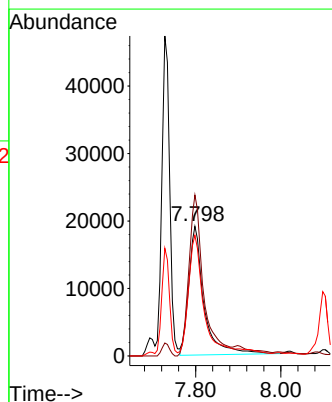
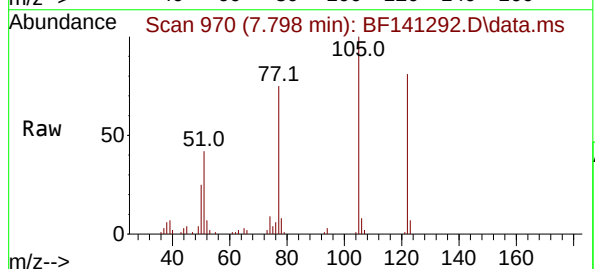
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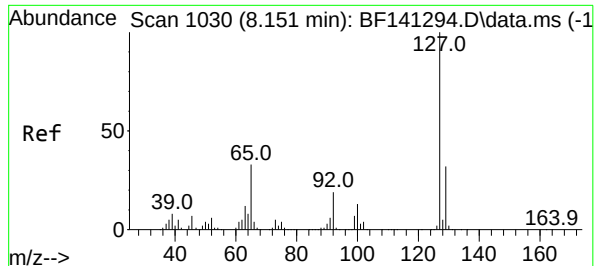
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549
Ion Ratio Lower Upper
122 100
105 124.1 103.4 143.4
77 93.0 70.9 110.9





#33

4-Chloroaniline

Concen: 10.703 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 10085

Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 30.9 26.4 39.6

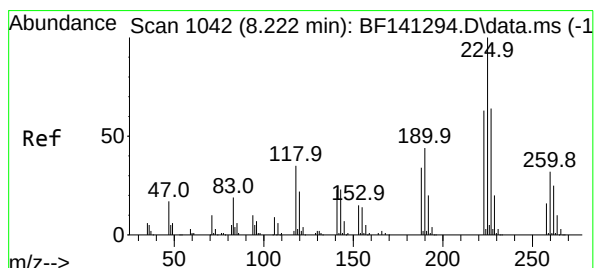
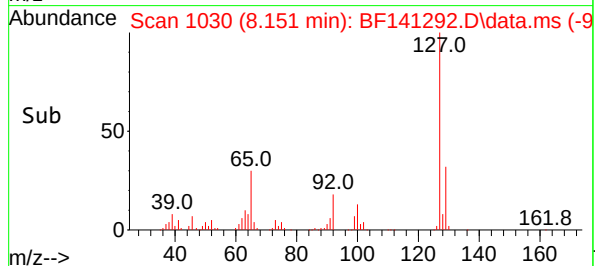
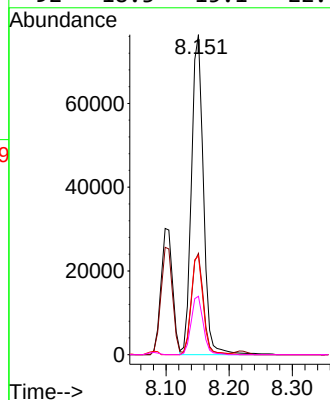
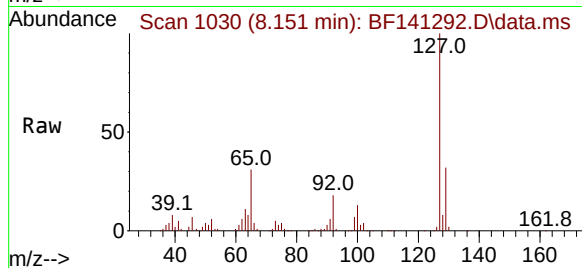
92 18.3 15.1 22.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 10.736 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

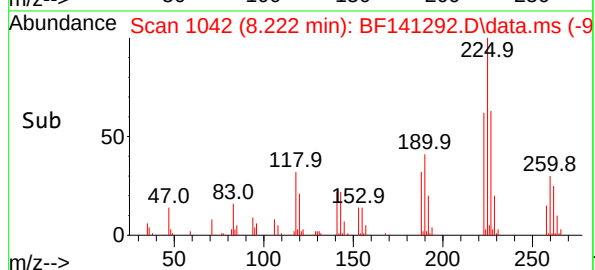
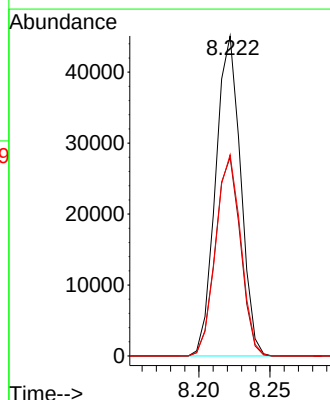
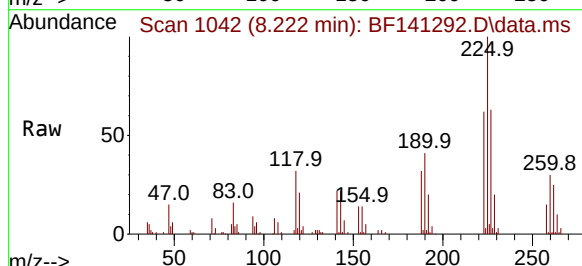
Tgt Ion:225 Resp: 55103

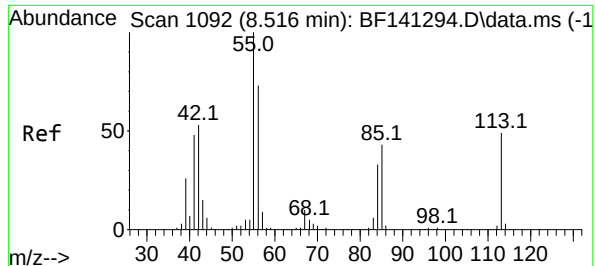
Ion Ratio Lower Upper

225 100

223 62.0 50.4 75.6

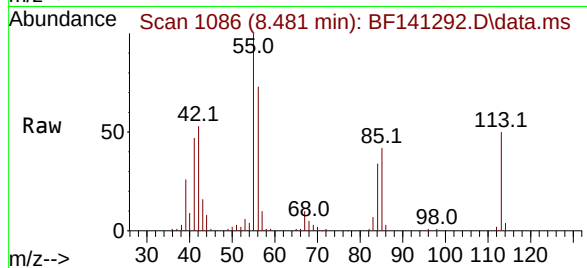
227 62.9 51.3 76.9





#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1086
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

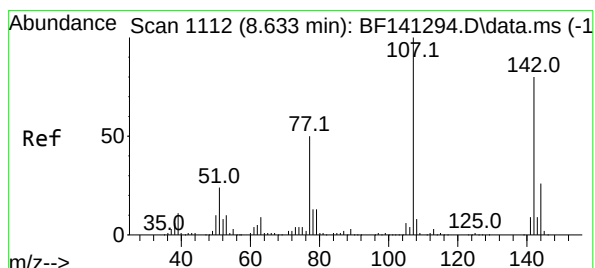
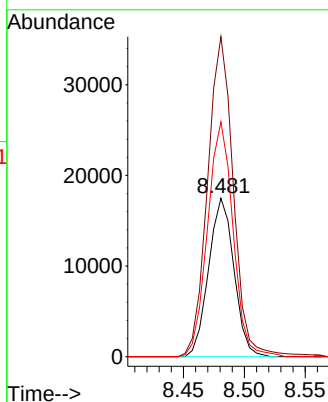
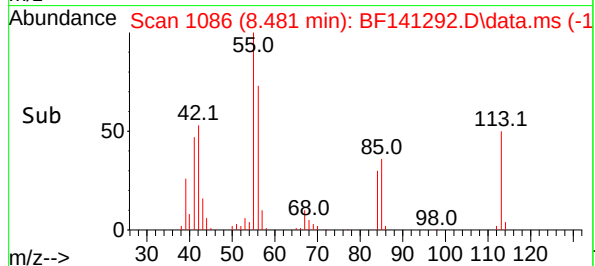
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



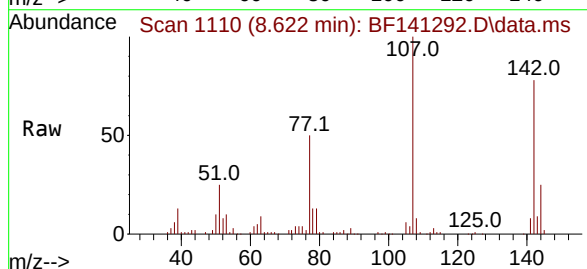
Tgt Ion:113 Resp: 2536
Ion Ratio Lower Upper
113 100
55 201.9 182.9 222.9
56 148.2 127.9 167.9

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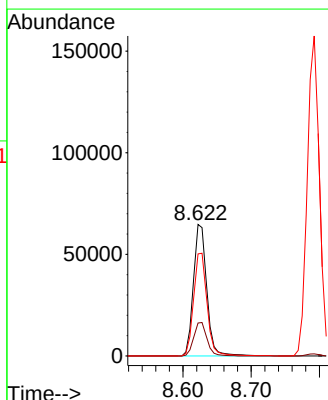
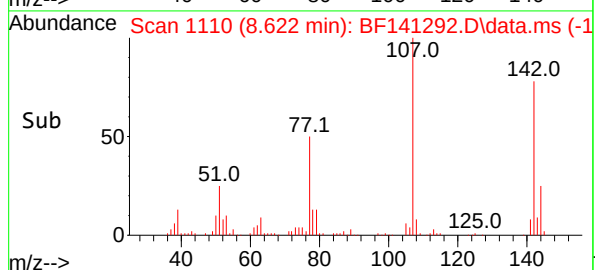
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

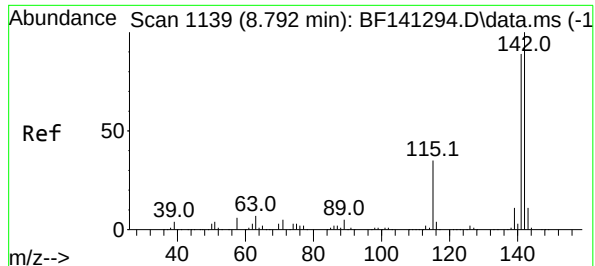


#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



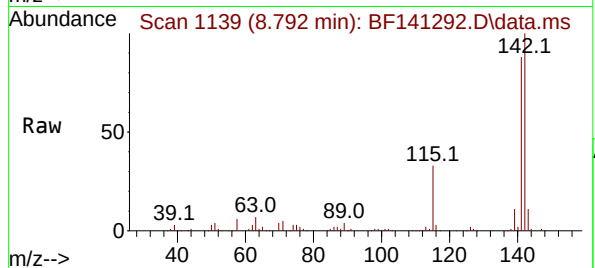
Tgt Ion:107 Resp: 87592
Ion Ratio Lower Upper
107 100
144 25.1 20.7 31.1
142 77.6 63.8 95.8





#37
2-Methylnaphthalene
Concen: 10.925 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

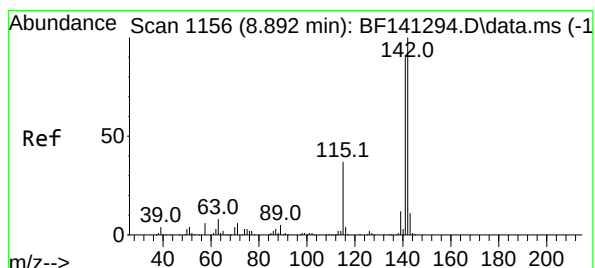
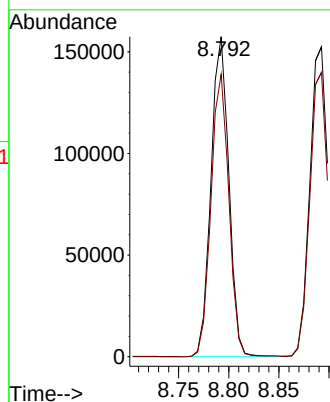
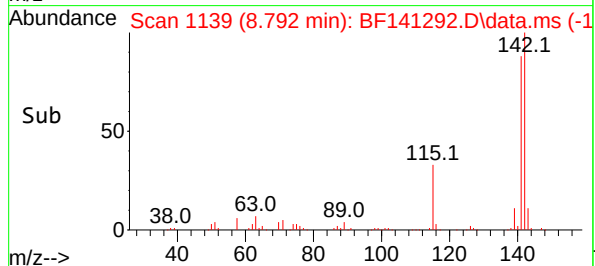
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 195160
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9

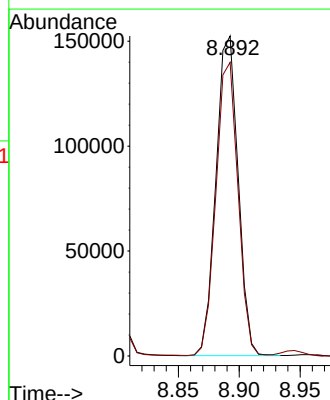
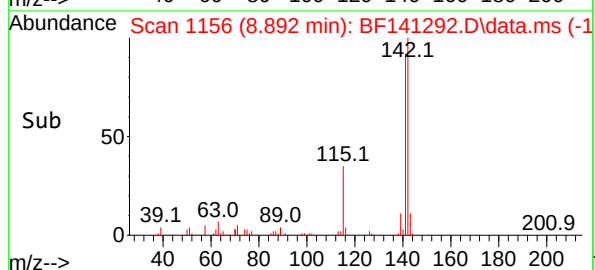
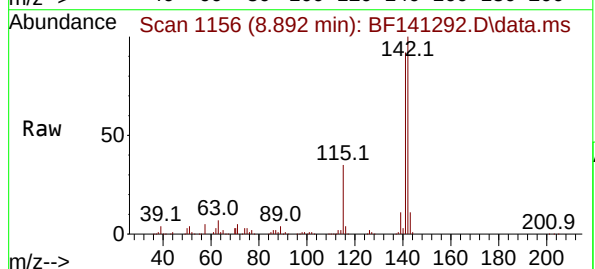
Manual Integrations
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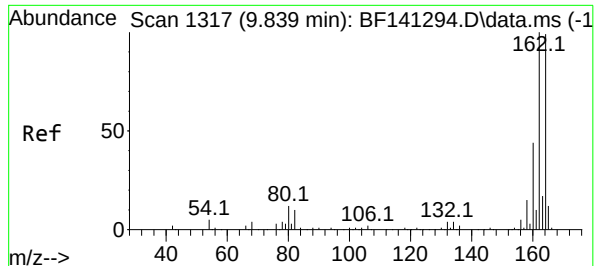
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861
Ion Ratio Lower Upper
142 100
141 91.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:164 Resp: 28955

Ion Ratio Lower Upper

164 100

162 100.0 80.6 121.0

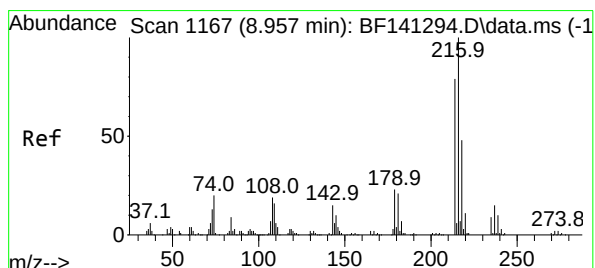
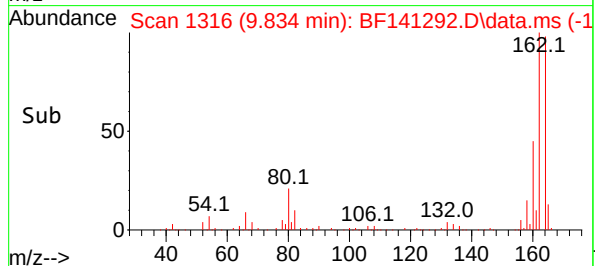
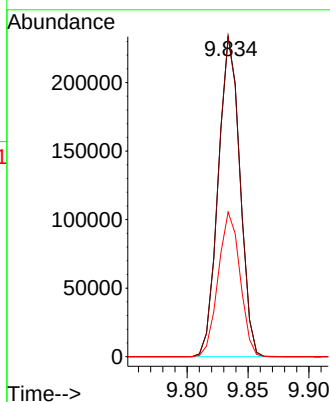
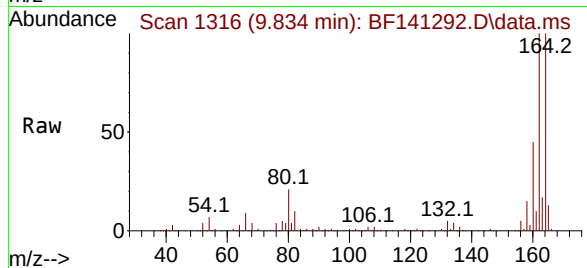
160 45.2 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.775 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

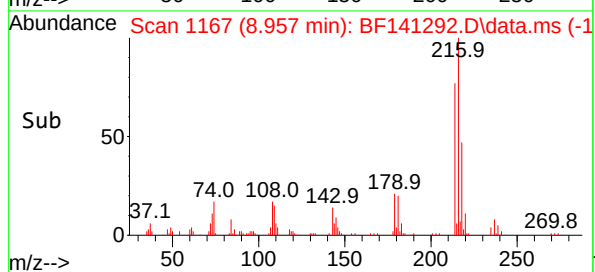
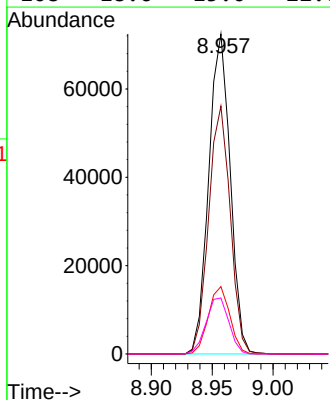
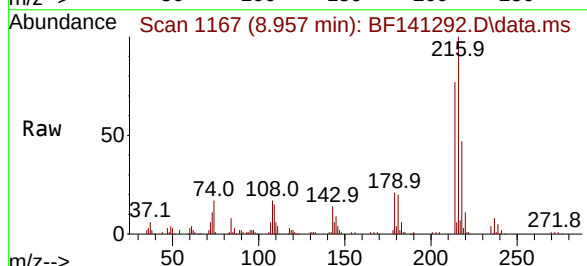
Ion Ratio Lower Upper

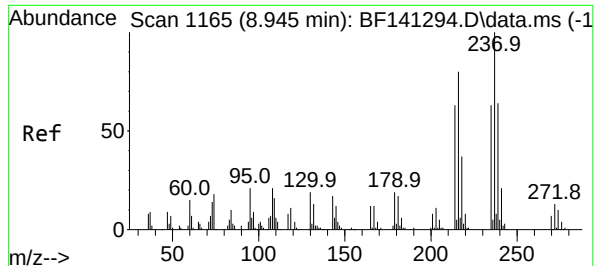
216 100

214 77.8 63.2 94.8

179 21.1 17.8 26.8

108 18.6 15.0 22.6





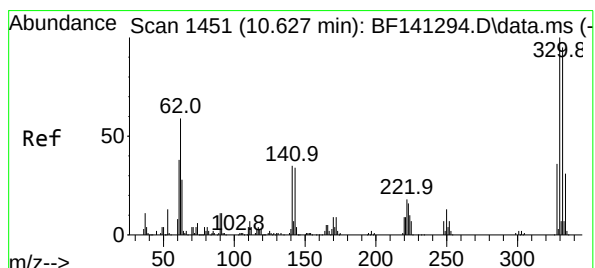
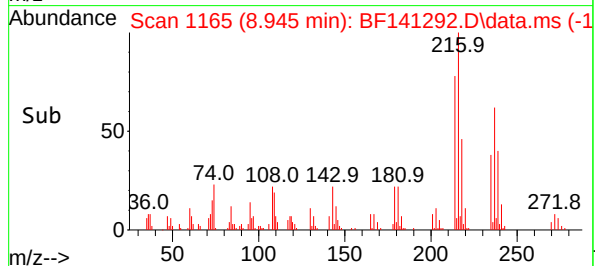
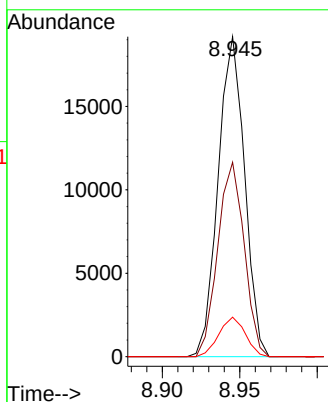
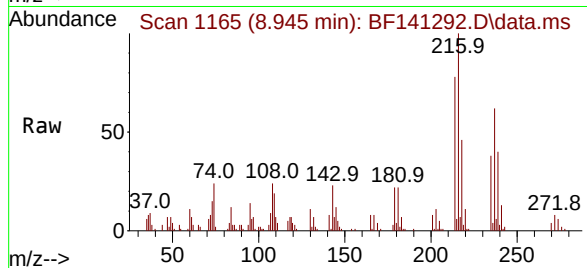
#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
Client Sample Id :
SSTDICC010

Tgt Ion: 237 Resp: 22759
Ion Ratio Lower Upper
237 100
235 60.8 42.9 82.9
272 12.3 0.0 32.8

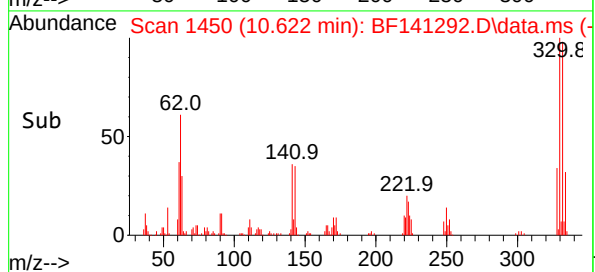
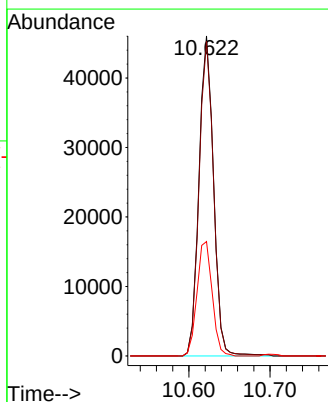
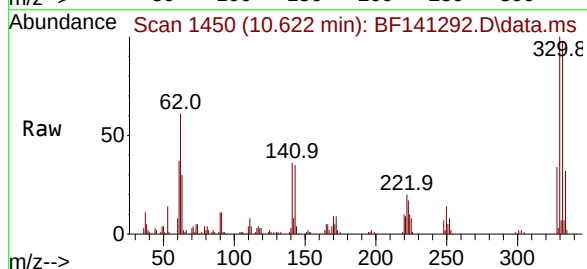
Manual Integrations
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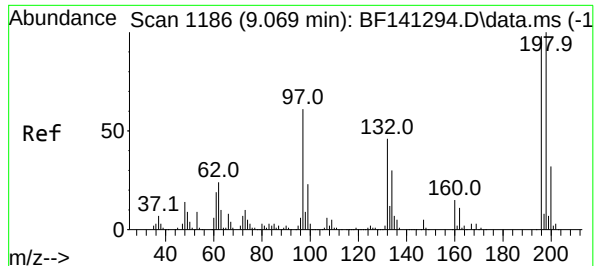
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 330 Resp: 57417
Ion Ratio Lower Upper
330 100
332 98.0 76.1 114.1
141 37.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 10.241 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:196 Resp: 5503

Ion Ratio Lower Upper

196 100

198 101.0 81.8 122.6

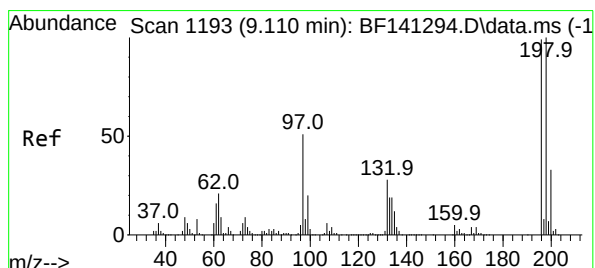
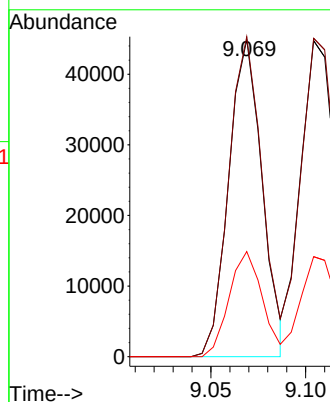
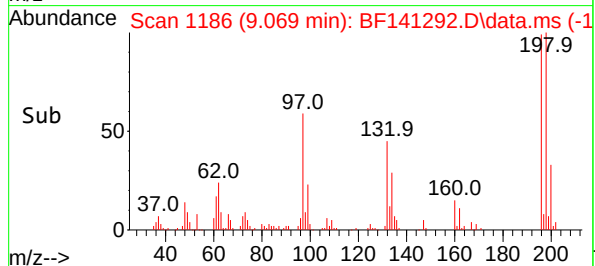
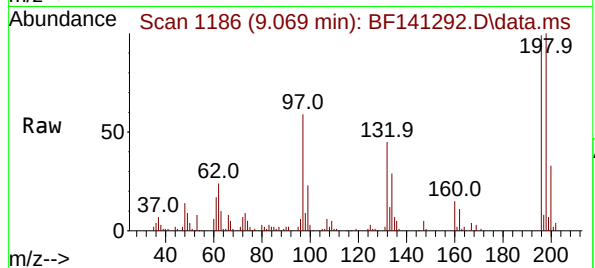
200 33.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 10.518 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

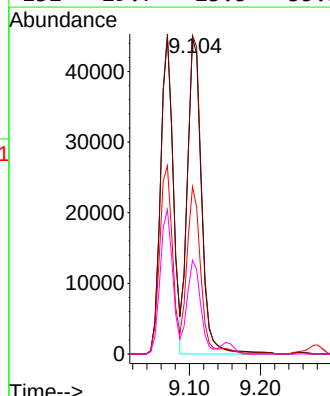
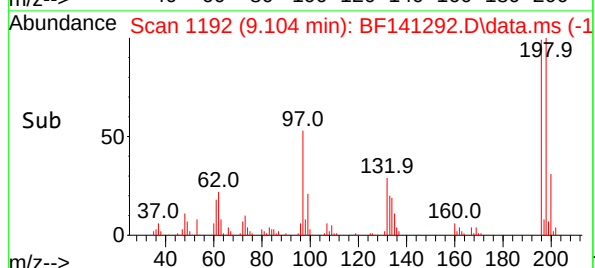
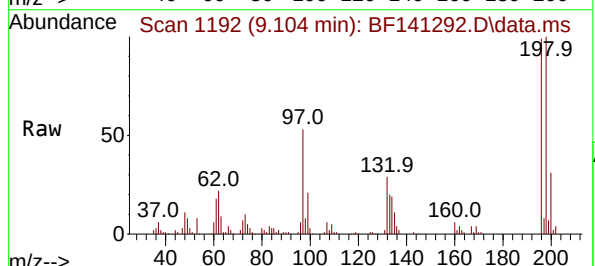
Ion Ratio Lower Upper

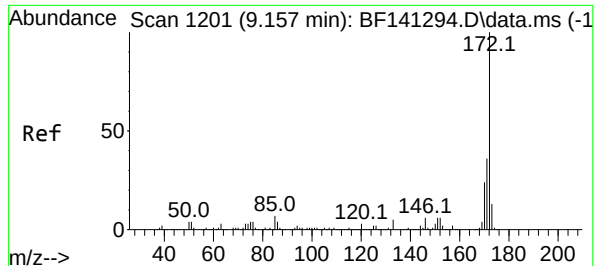
196 100

198 100.8 80.5 120.7

97 52.9 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 22.581 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 42385

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

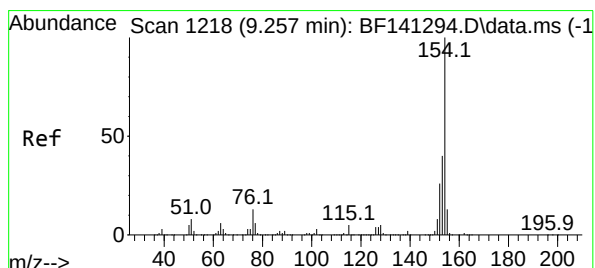
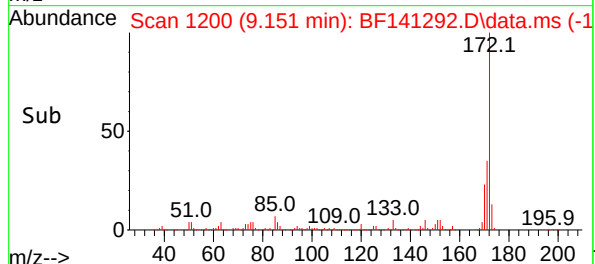
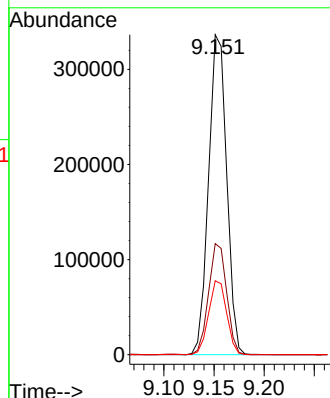
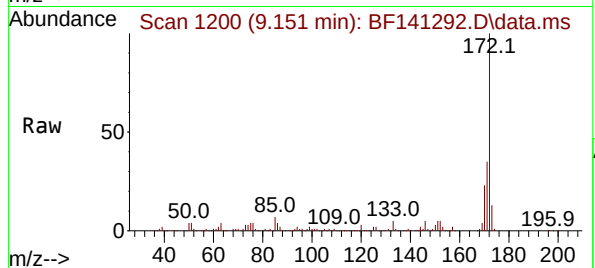
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 10.847 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

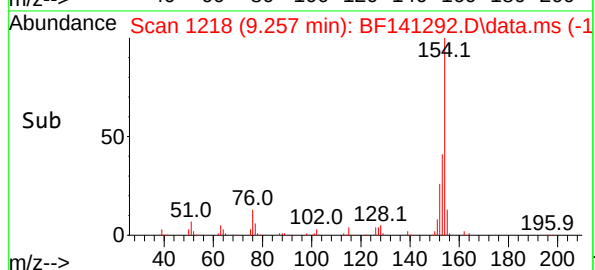
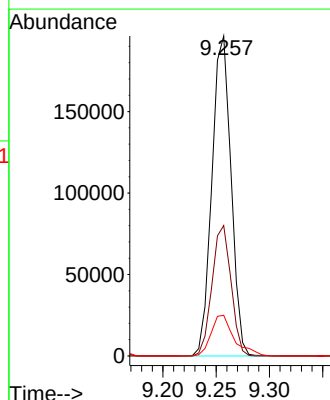
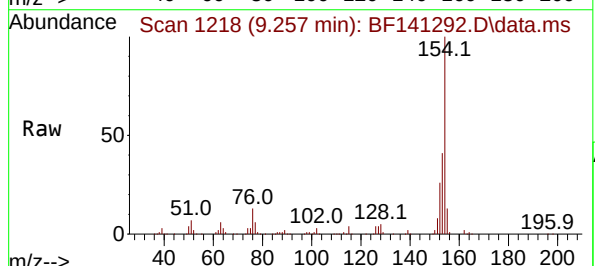
Tgt Ion:154 Resp: 245028

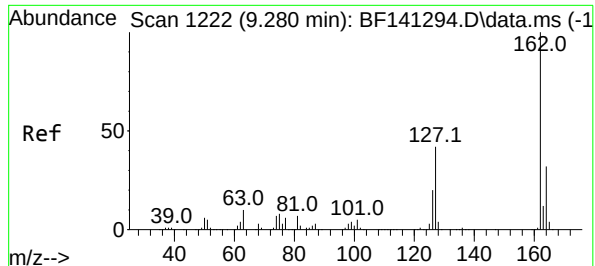
Ion Ratio Lower Upper

154 100

153 40.8 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 10.812 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141292.D

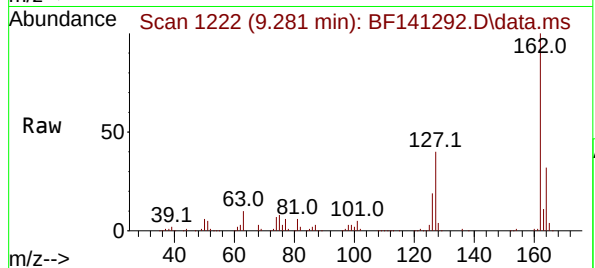
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 189709

Ion Ratio Lower Upper

162 100

127 40.2 33.7 50.5

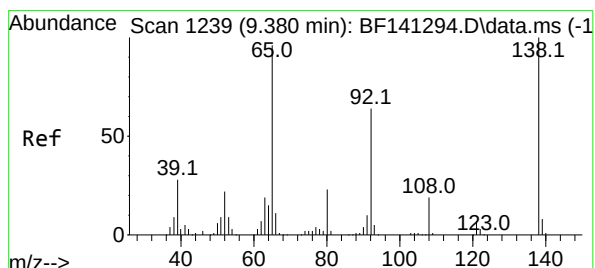
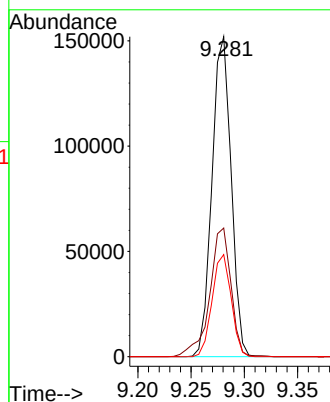
164 31.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 10.164 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

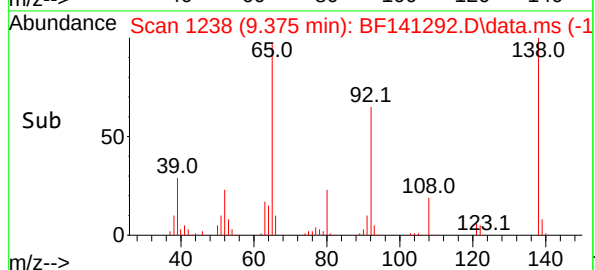
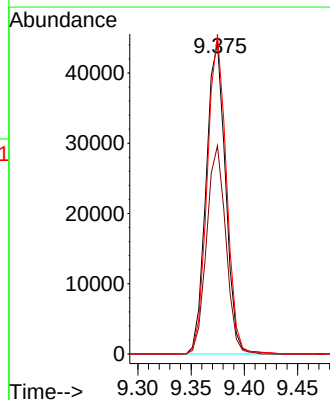
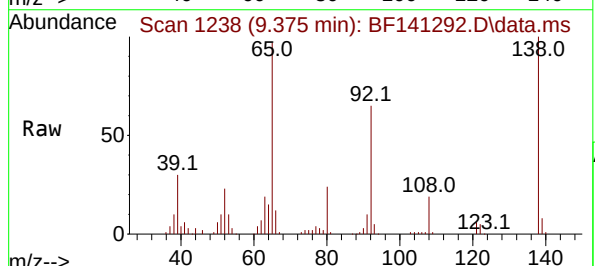
Tgt Ion: 65 Resp: 56247

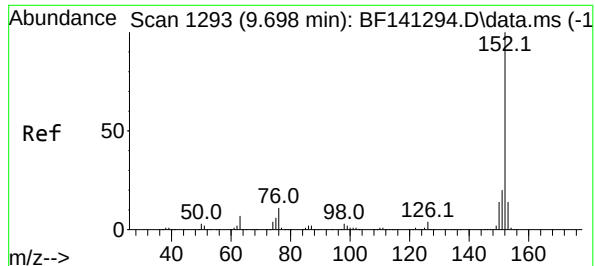
Ion Ratio Lower Upper

65 100

92 67.0 53.3 79.9

138 102.9 83.6 125.4





#49

Acenaphthylene

Concen: 10.895 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141292.D

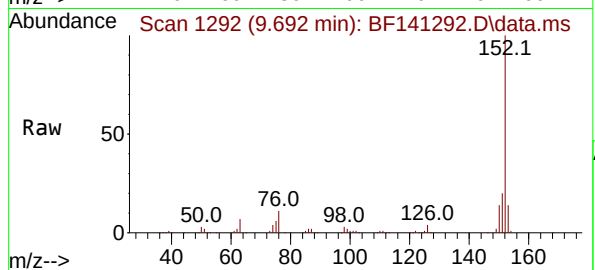
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

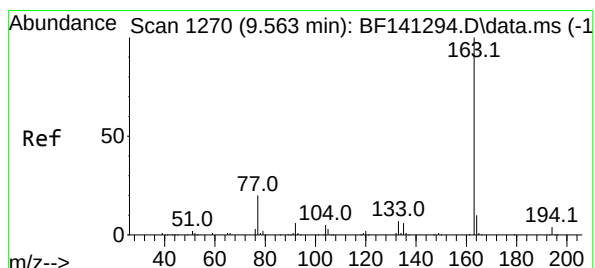
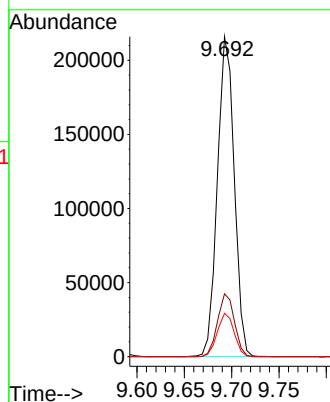
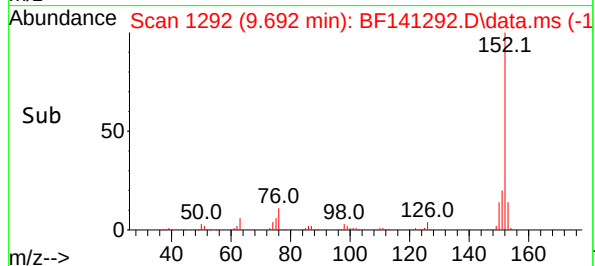


Tgt Ion:	152	Resp:	26847
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.2
153	13.6	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

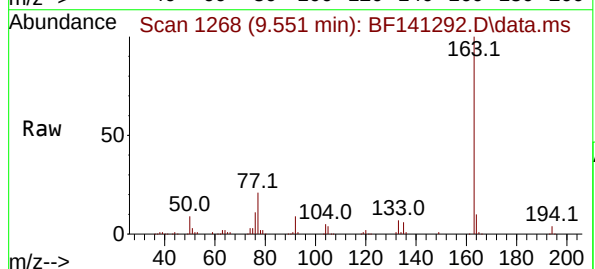
Concen: 10.857 ng

RT: 9.551 min Scan# 1268

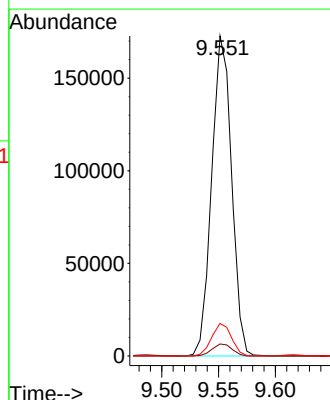
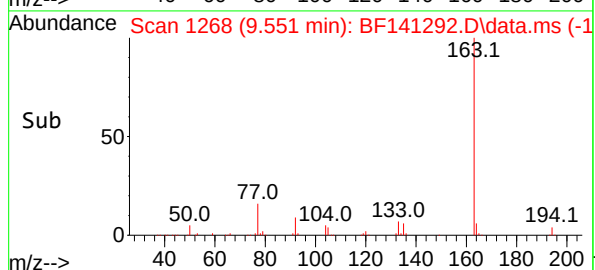
Delta R.T. -0.012 min

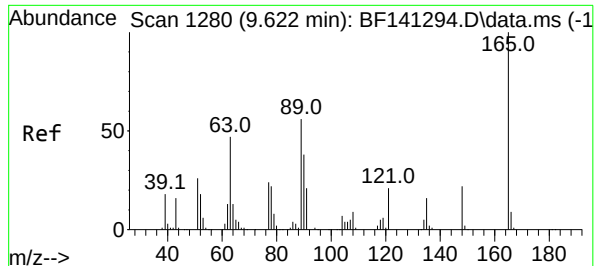
Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



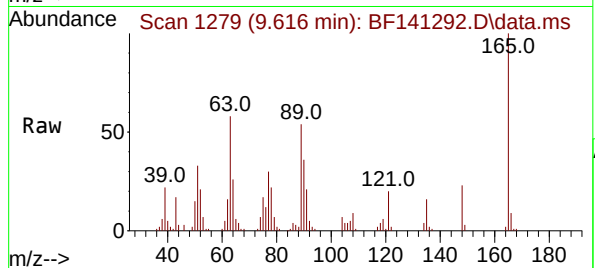
Tgt Ion:	163	Resp:	210816
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

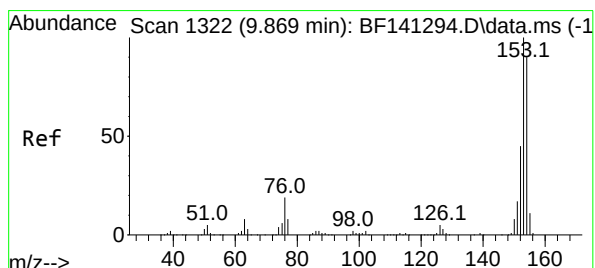
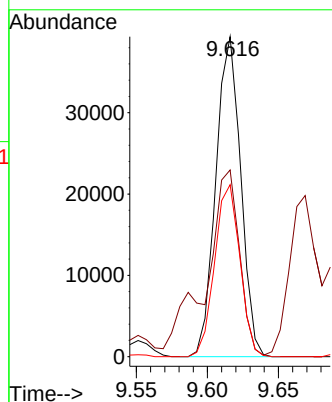
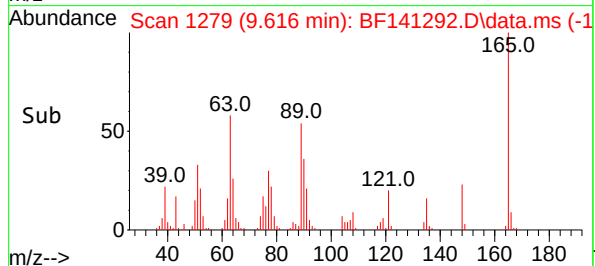
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 47958
Ion Ratio Lower Upper
165 100
63 58.3 48.1 72.1
89 53.7 44.9 67.3

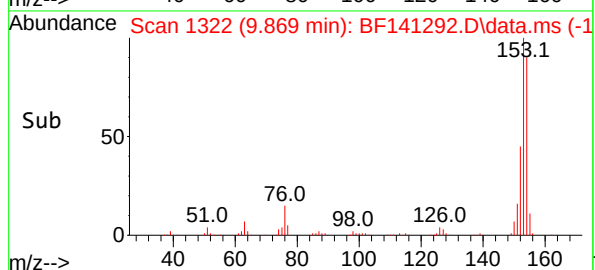
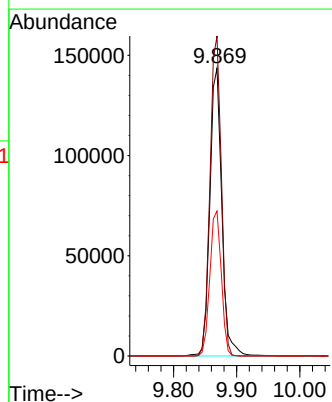
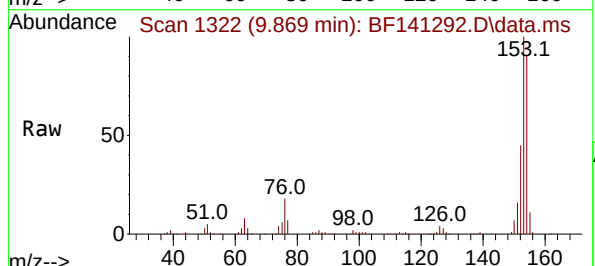
Manual Integrations
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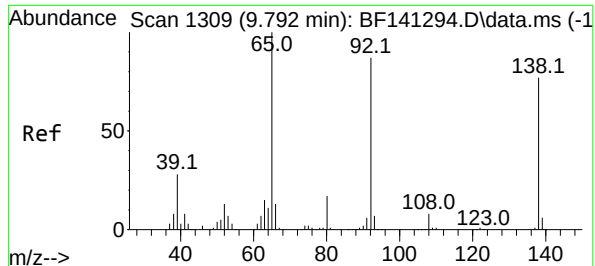
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

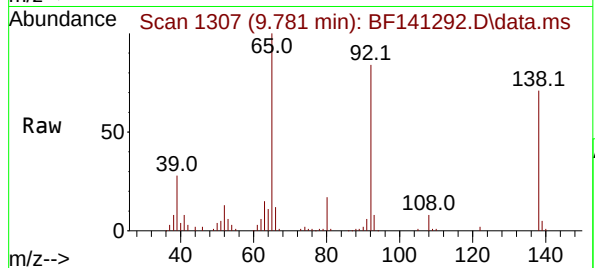
Tgt Ion:154 Resp: 188283
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.4
152 50.4 40.2 60.4





#53
3-Nitroaniline
Concen: 10.699 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

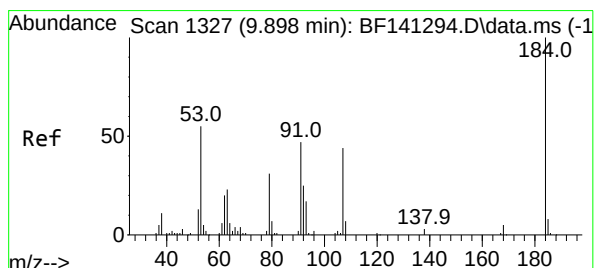
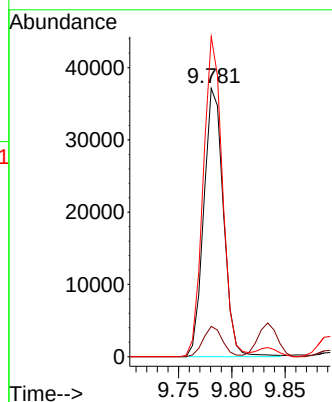
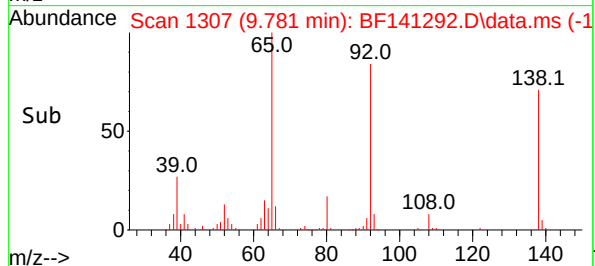
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 47818
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 119.2 91.0 136.6

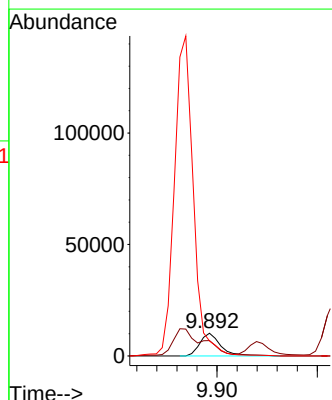
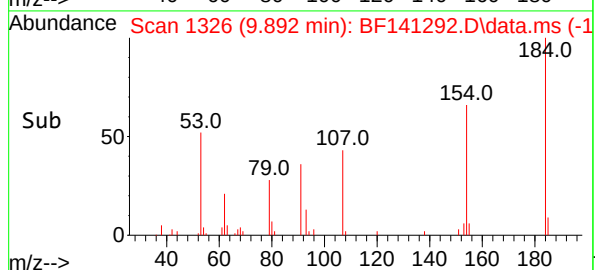
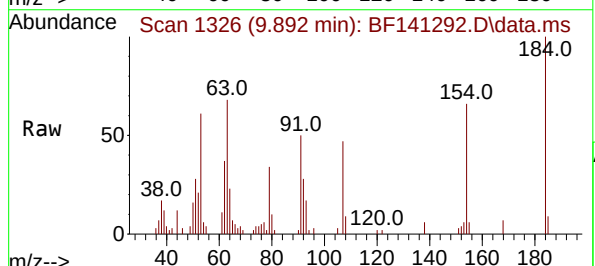
Manual Integrations
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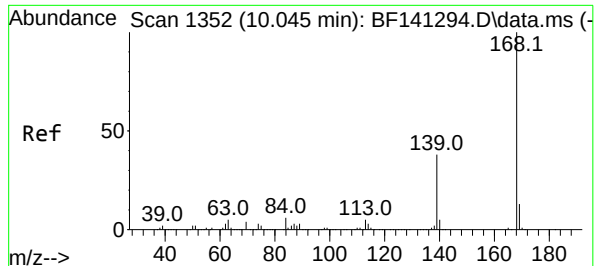
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 14749
Ion Ratio Lower Upper
184 100
63 67.9 54.1 81.1
154 66.2 50.7 76.1





#55

Dibenzenofuran

Concen: 11.038 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 25883

Ion Ratio Lower Upper

168 100

139 37.7 30.6 46.0

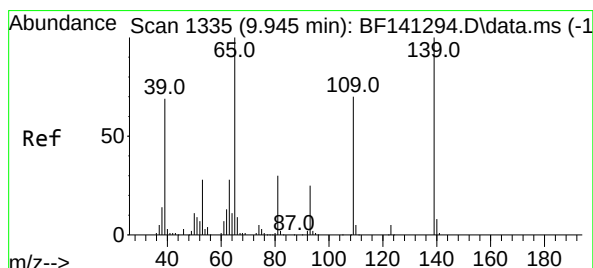
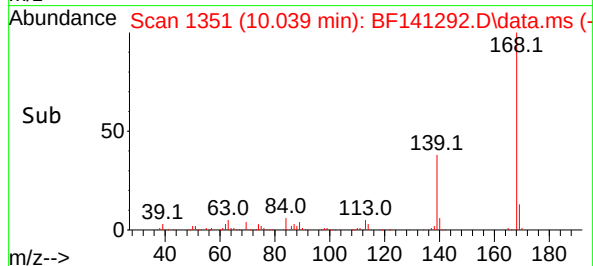
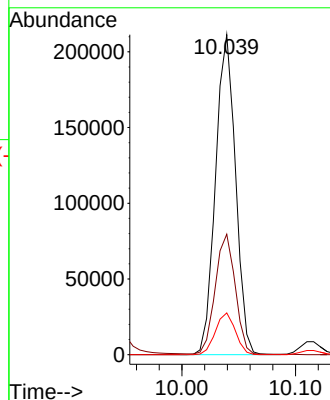
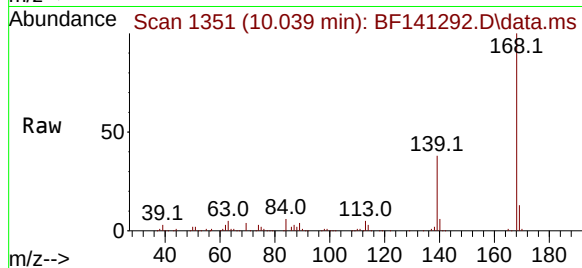
169 13.1 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 9.722 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

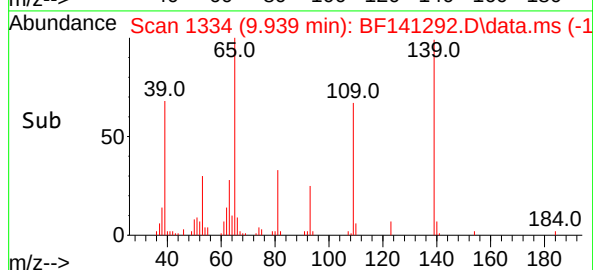
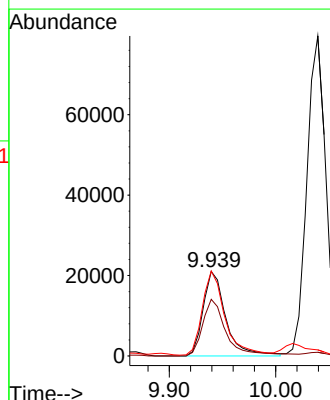
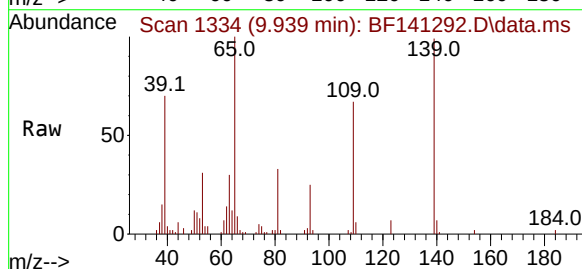
Tgt Ion:139 Resp: 31196

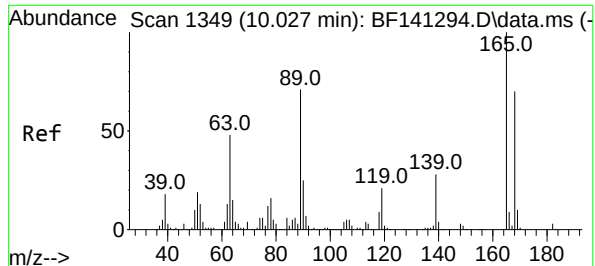
Ion Ratio Lower Upper

139 100

109 67.1 50.2 90.2

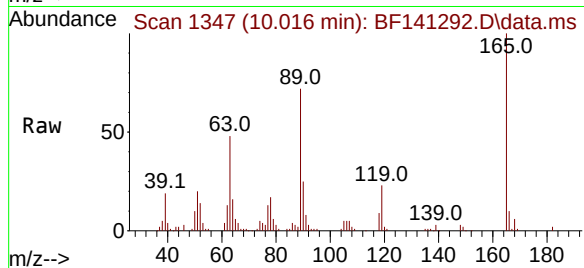
65 100.6 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

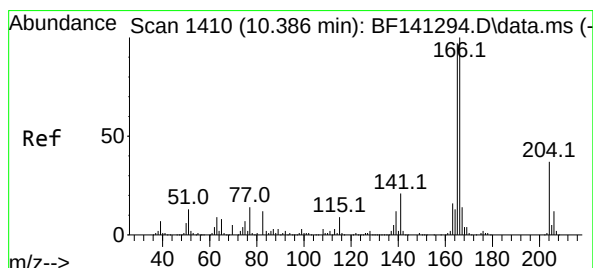
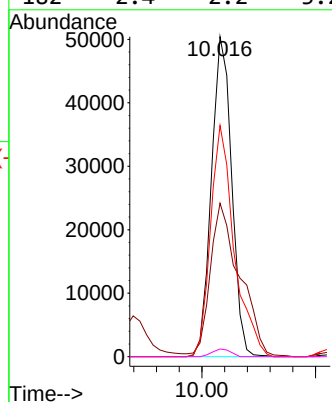
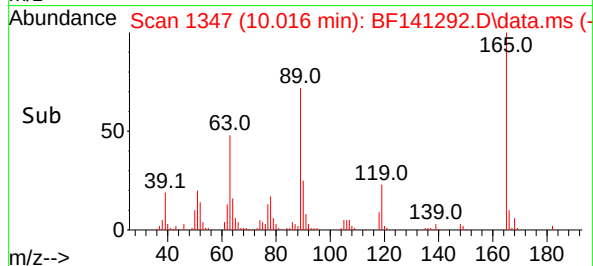
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



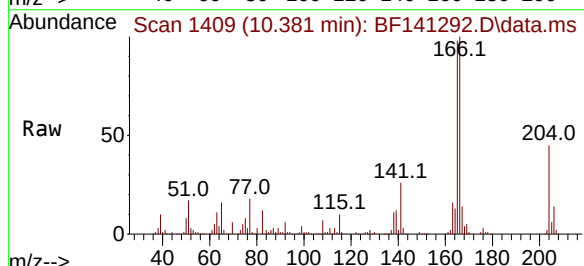
Tgt Ion:165 Resp: 62418
Ion Ratio Lower Upper
165 100
63 48.0 39.2 58.8
89 72.2 56.9 85.3
182 2.4 2.2 3.2

Manual Integrations
APPROVED

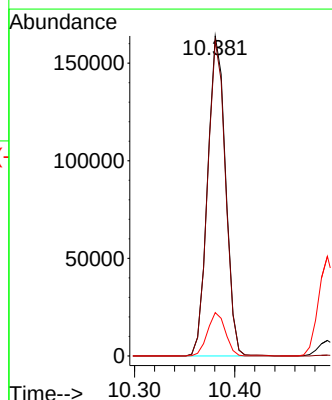
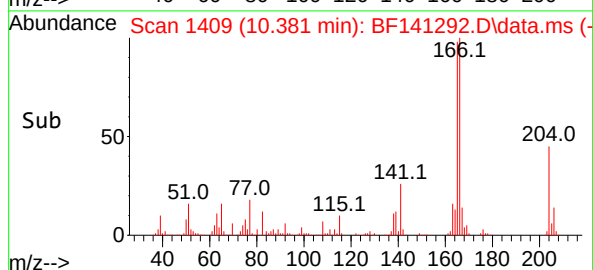
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

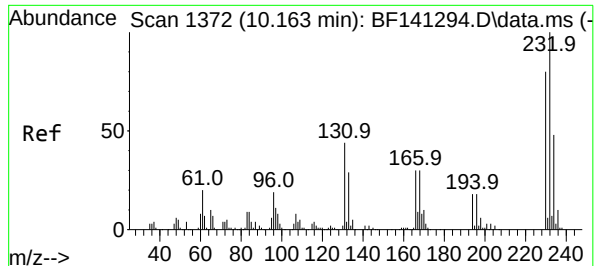


#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



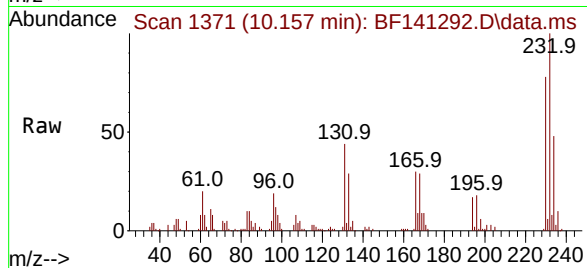
Tgt Ion:166 Resp: 204141
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

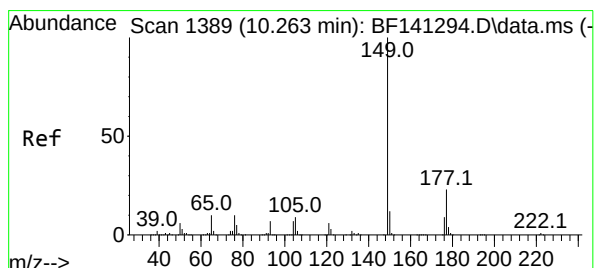
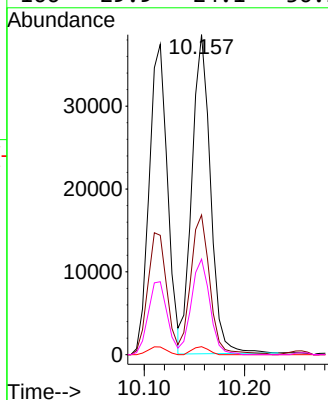
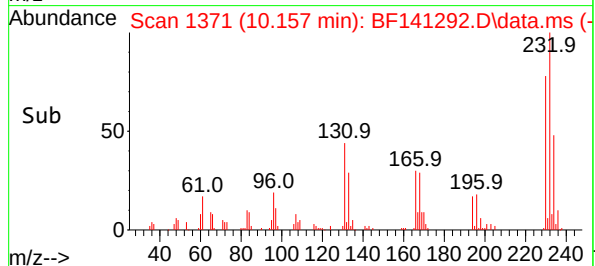
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 49590
Ion Ratio Lower Upper
232 100
131 45.2 36.4 54.6
130 2.2 1.9 2.9
166 29.9 24.1 36.1

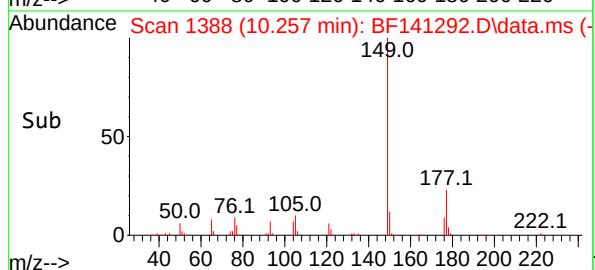
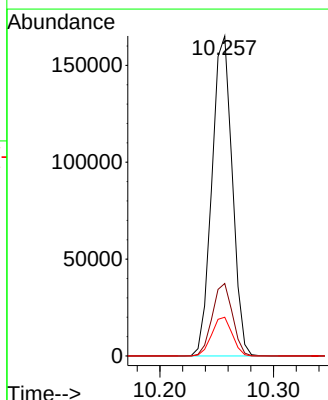
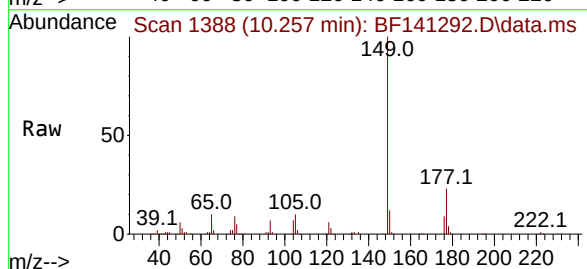
Manual Integrations
APPROVED

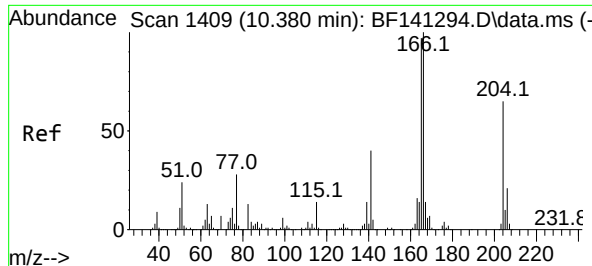
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

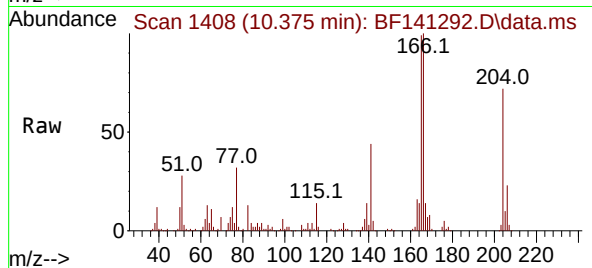
Tgt Ion:149 Resp: 205131
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.1 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

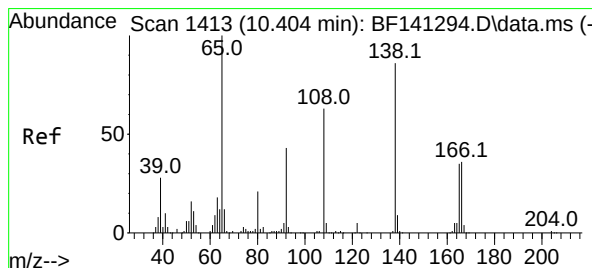
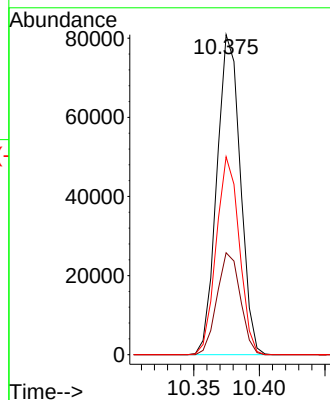
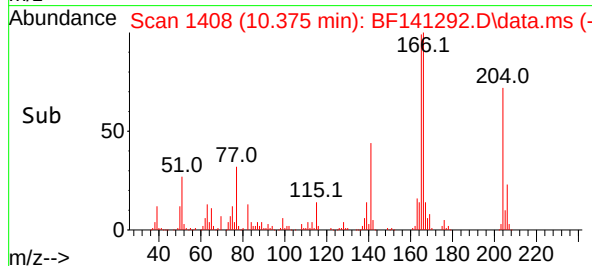
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



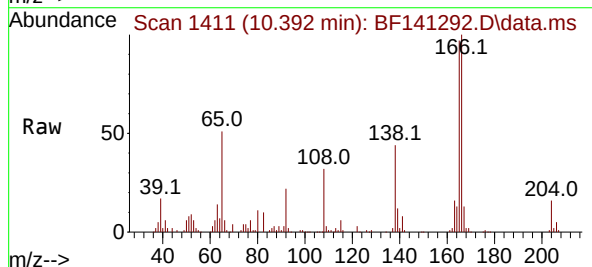
Tgt Ion:204 Resp: 100485
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 61.8 49.5 74.3

Manual Integrations
APPROVED

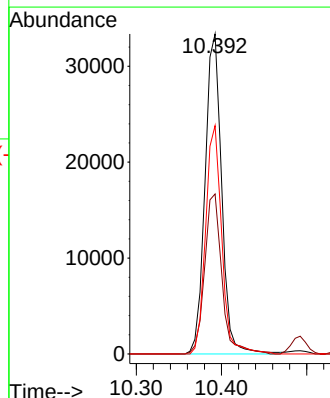
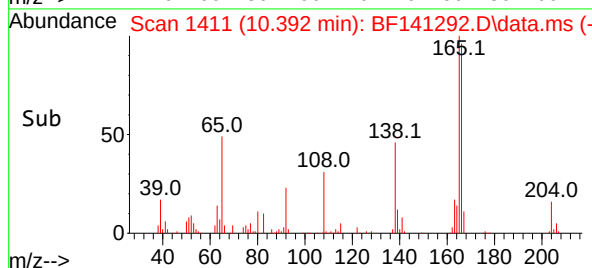
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

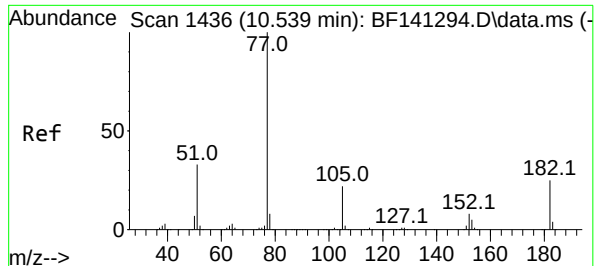


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:138 Resp: 45222
Ion Ratio Lower Upper
138 100
92 50.0 30.1 70.1
108 71.3 53.1 93.1





#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

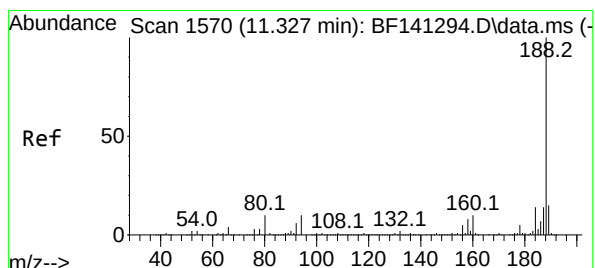
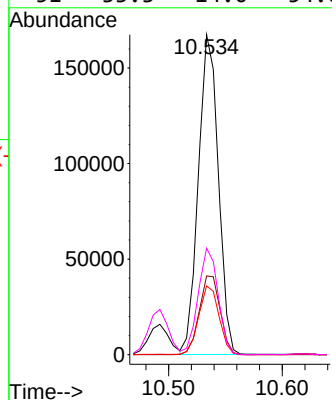
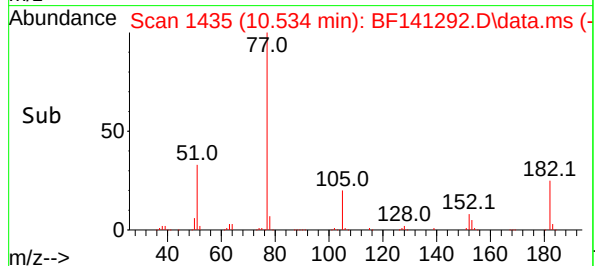
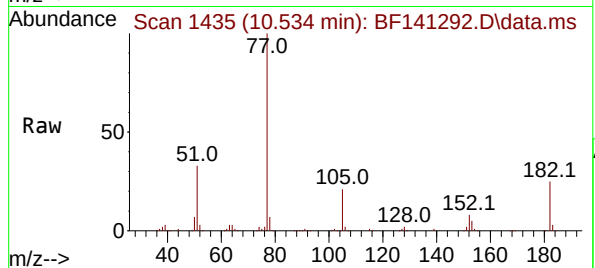
SSTDICC010

Tgt Ion: 77 Resp: 204300
Ion Ratio Lower Upper
77 100
182 24.6 5.1 45.1
105 21.5 1.8 41.8
51 33.3 14.0 54.0

Manual Integrations

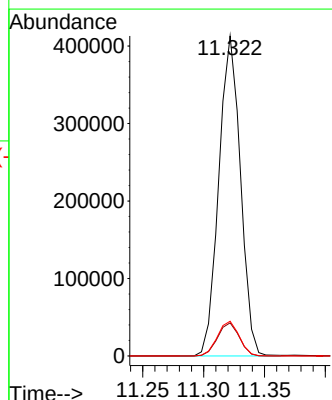
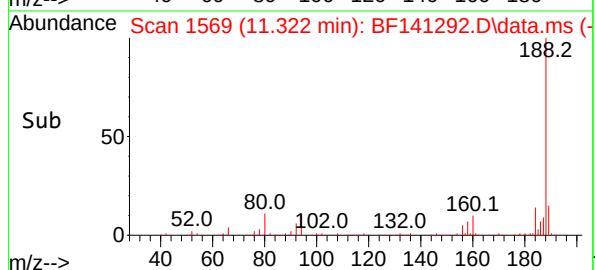
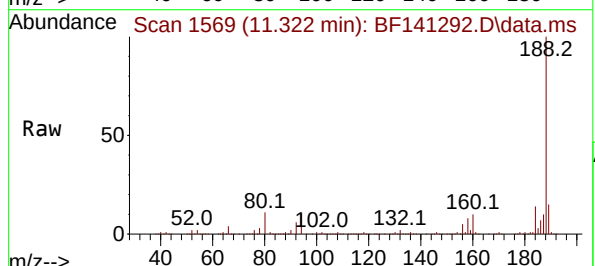
APPROVED

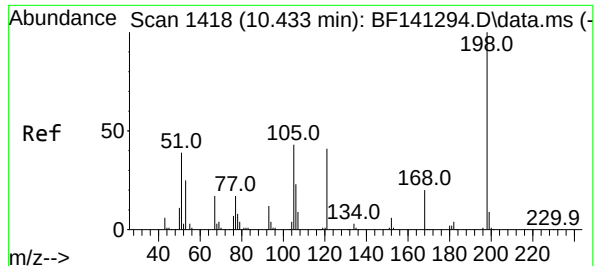
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:188 Resp: 510795
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.9 8.2 12.4





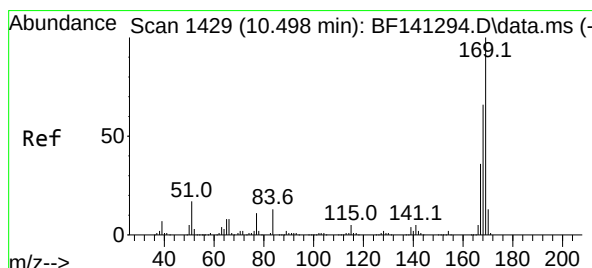
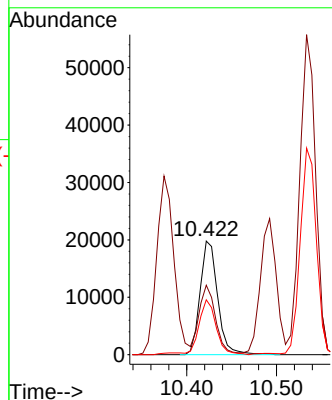
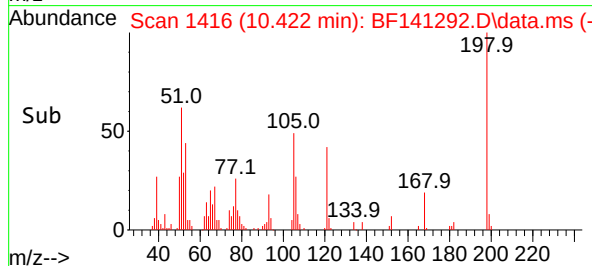
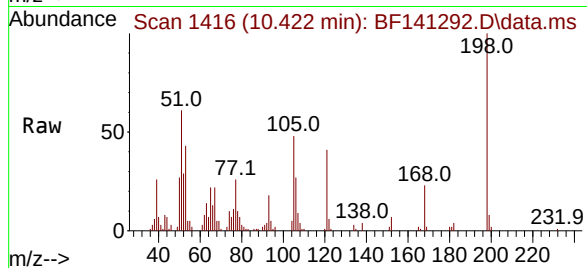
#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 26939
Ion Ratio Lower Upper
198 100
51 61.2 33.4 73.4
105 48.3 24.4 64.4

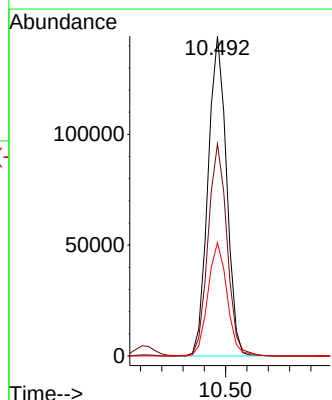
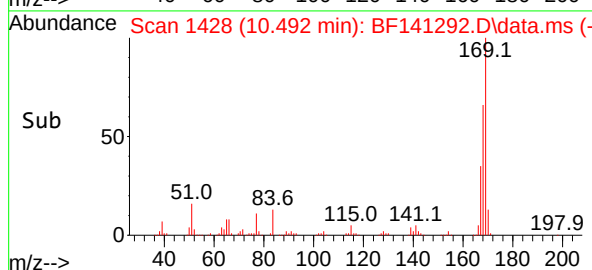
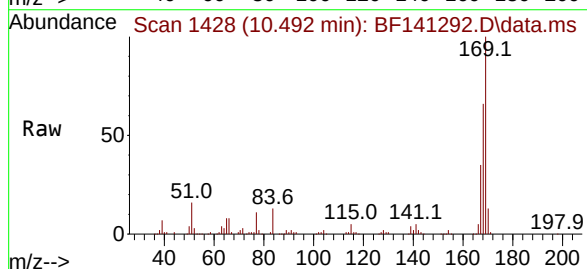
Manual Integrations
APPROVED

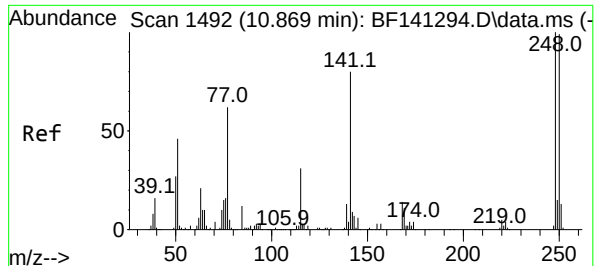
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

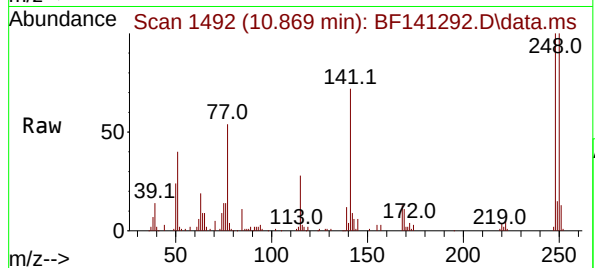
Tgt Ion:169 Resp: 174617
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 35.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

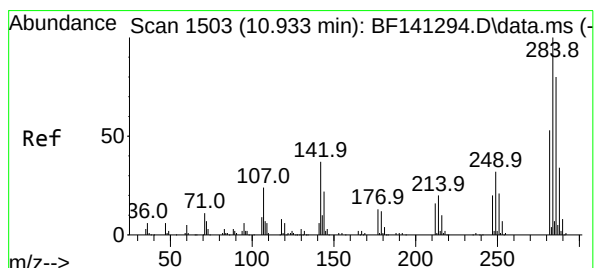
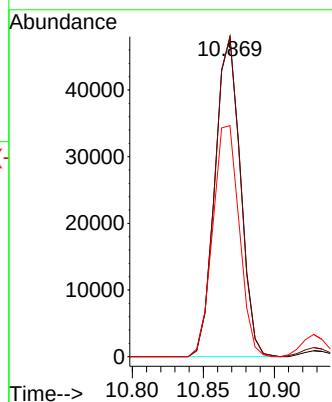
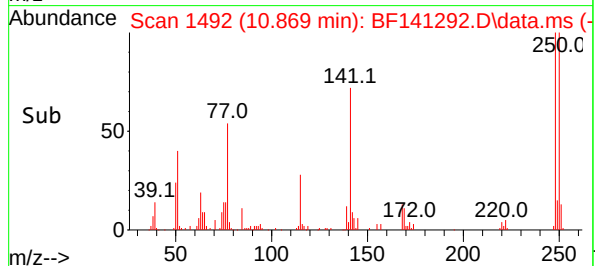
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:248 Resp: 59770
Ion Ratio Lower Upper
248 100
250 100.0 79.0 118.4
141 72.2 63.7 95.5

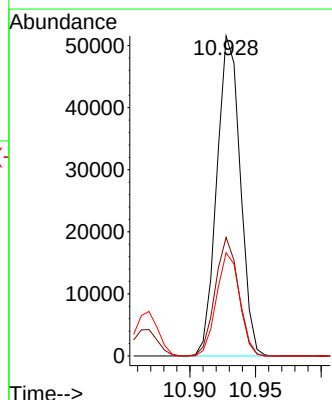
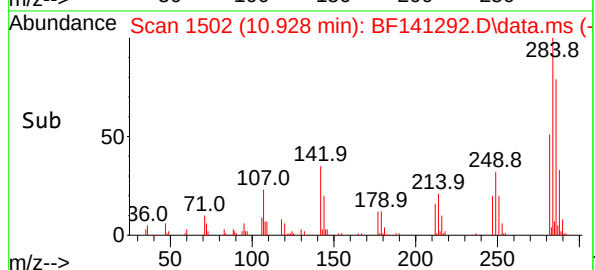
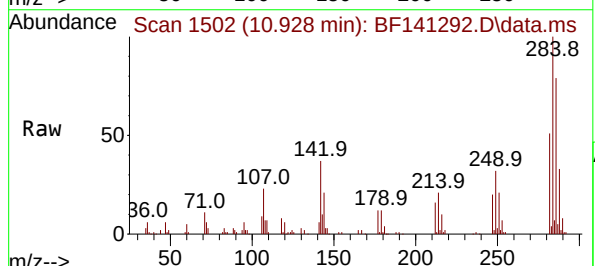
Manual Integrations
APPROVED

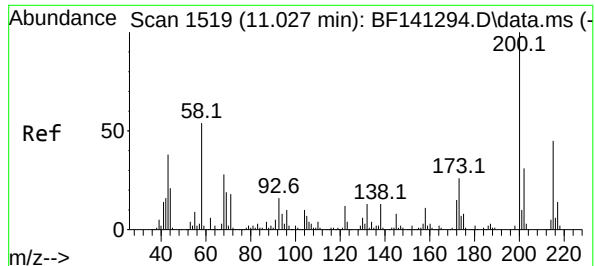
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:284 Resp: 63908
Ion Ratio Lower Upper
284 100
142 37.0 29.5 44.3
249 32.2 25.4 38.2





#69

Atrazine

Concen: 9.295 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:200 Resp: 5163

Ion Ratio Lower Upper

200 100

173 26.2 5.9 45.9

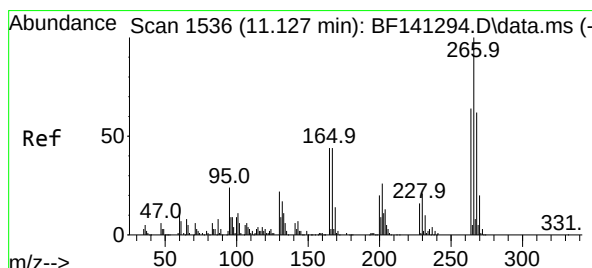
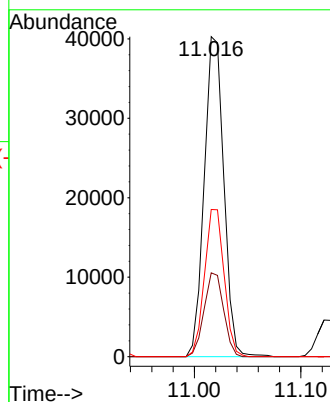
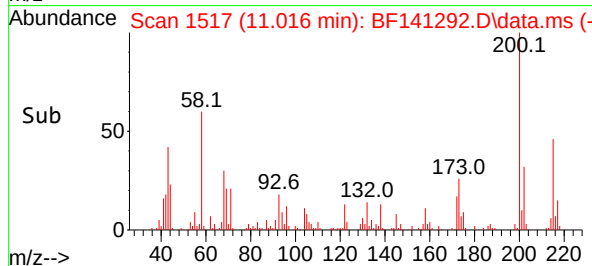
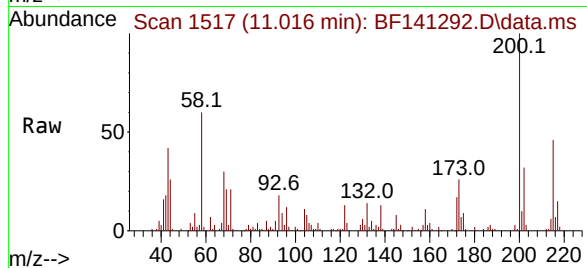
215 46.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 9.796 ng

RT: 11.128 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

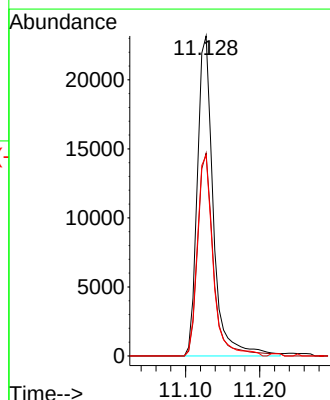
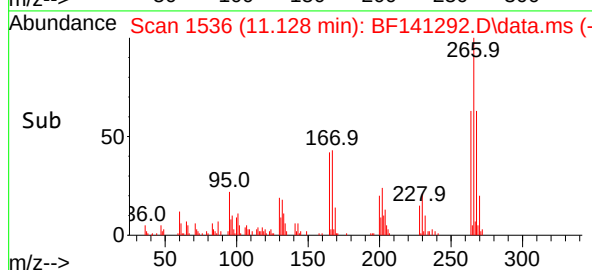
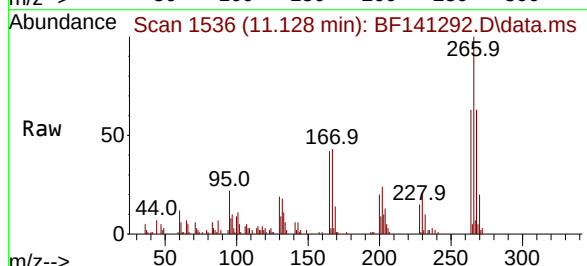
Tgt Ion:266 Resp: 34788

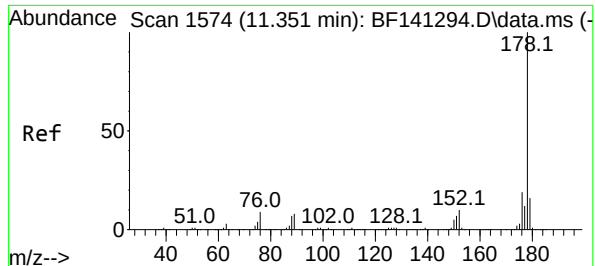
Ion Ratio Lower Upper

266 100

268 63.4 49.9 74.9

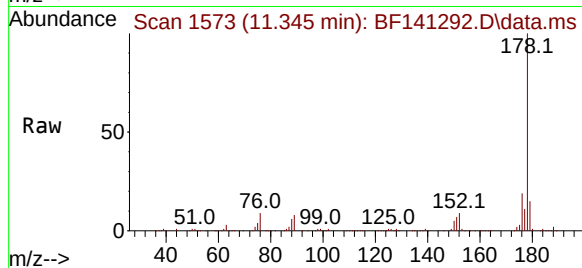
264 62.7 51.0 76.4





#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

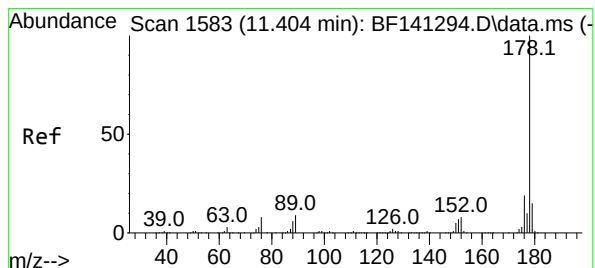
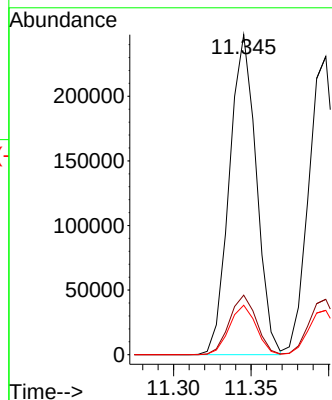
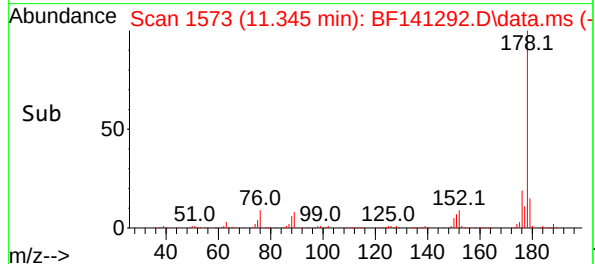
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 298892
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.4 12.5 18.7

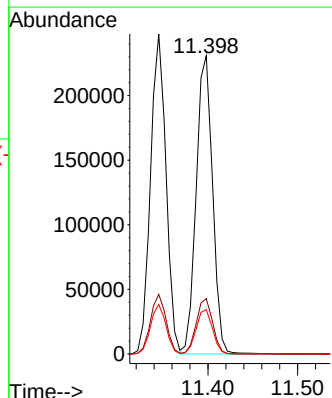
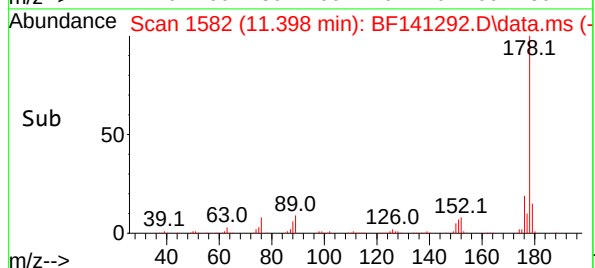
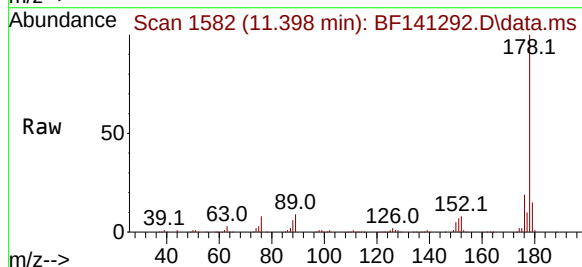
Manual Integrations
APPROVED

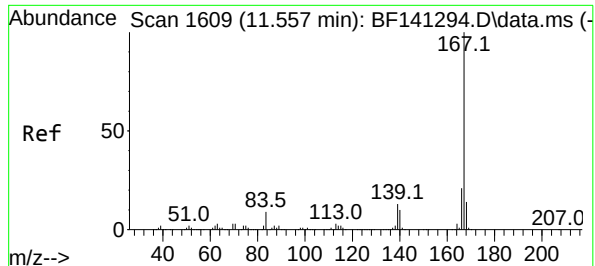
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

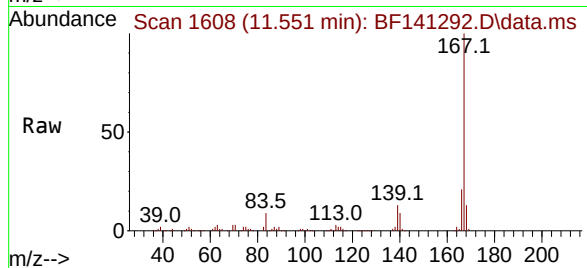
Tgt Ion:178 Resp: 292813
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 14.9 12.3 18.5





#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

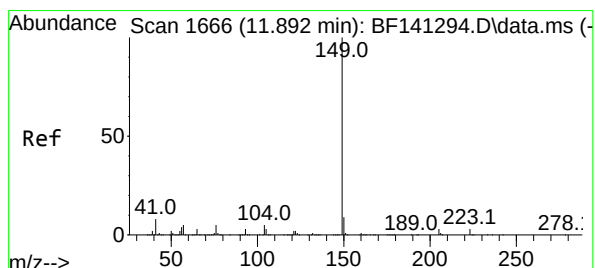
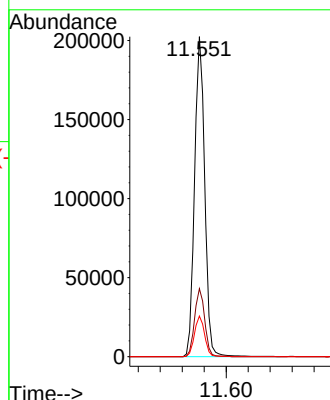
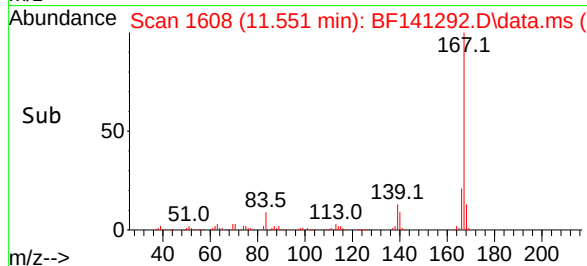
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 25885
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.6 16.0

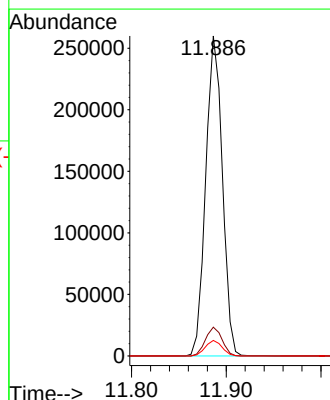
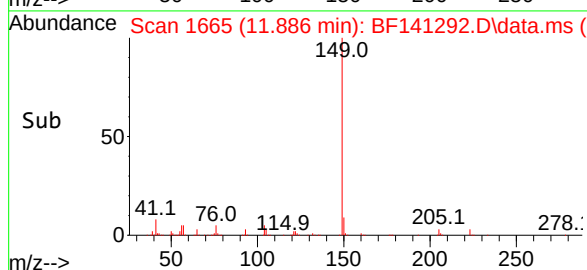
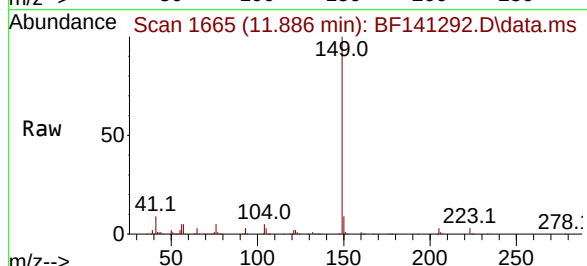
Manual Integrations
APPROVED

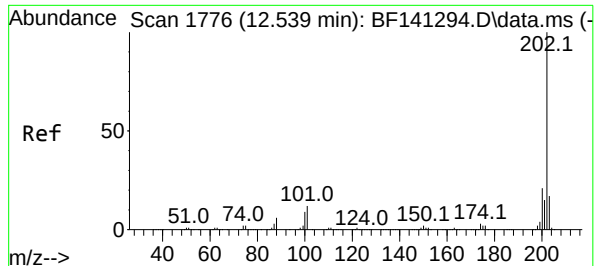
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

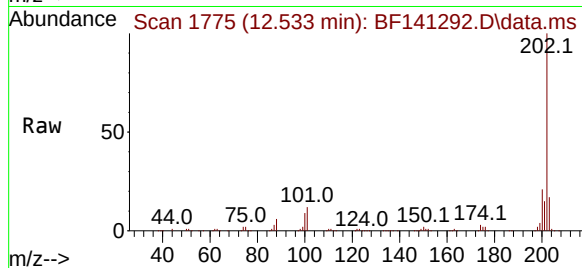
Tgt Ion:149 Resp: 316336
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

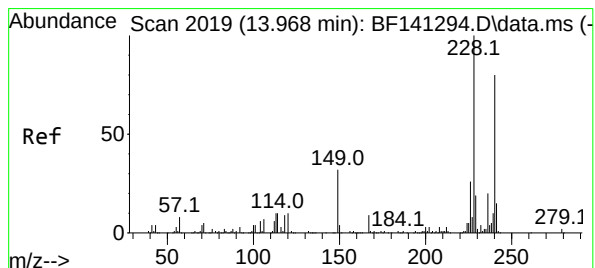
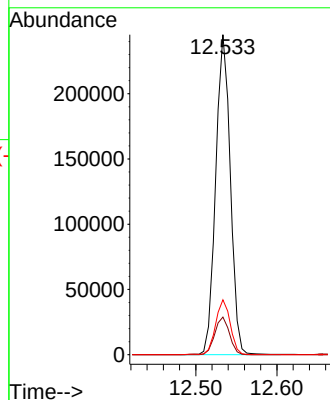
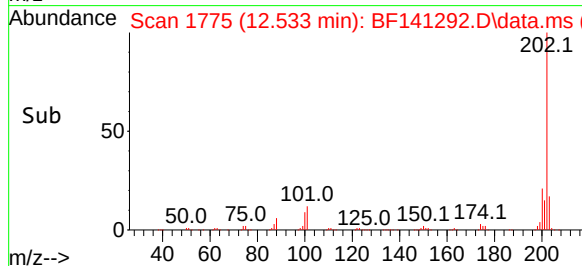
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 306969
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.1 0.0 37.5

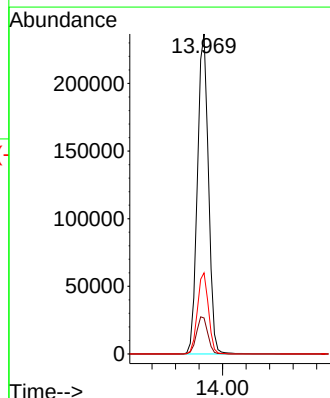
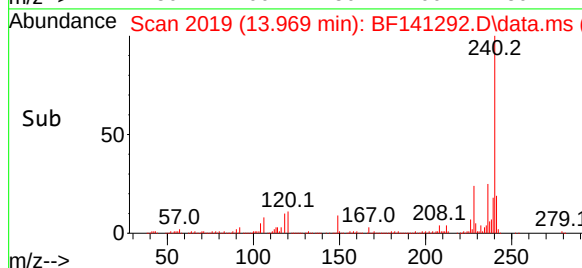
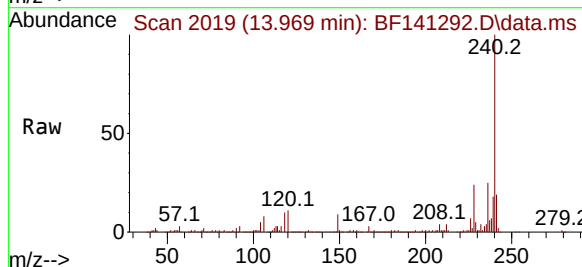
Manual Integrations
APPROVED

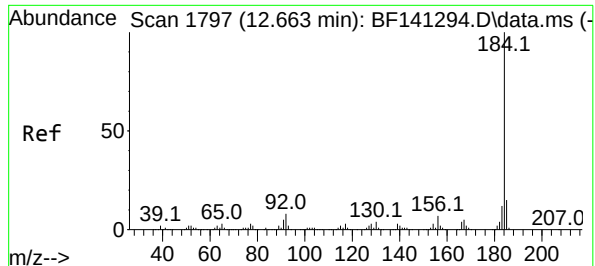
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:240 Resp: 308114
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.4 19.7 29.5





#77

Benzidine

Concen: 7.890 ng

RT: 12.657 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

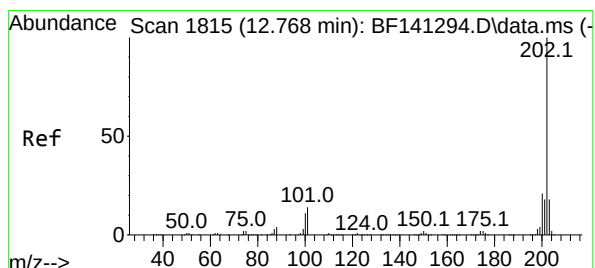
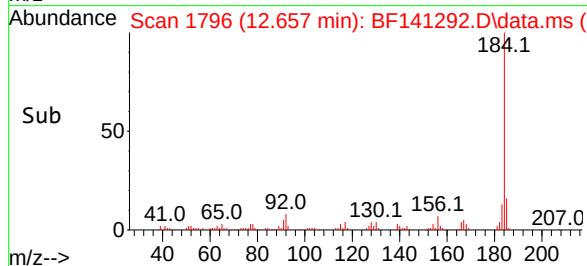
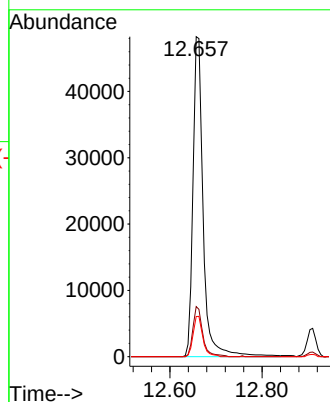
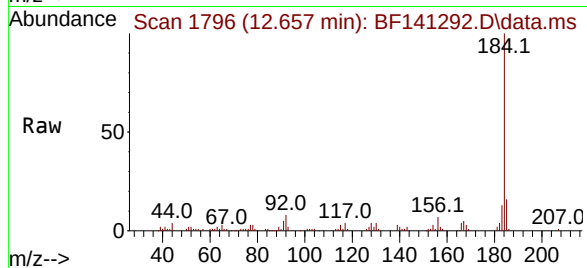
SSTDICC010

Tgt Ion:184	Resp:	73918
Ion Ratio	Lower	Upper
184	100	
185	15.6	11.9 17.9
183	12.6	9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 10.681 ng

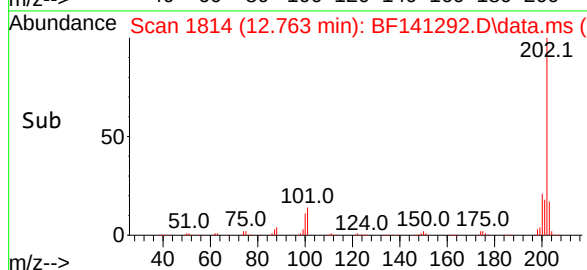
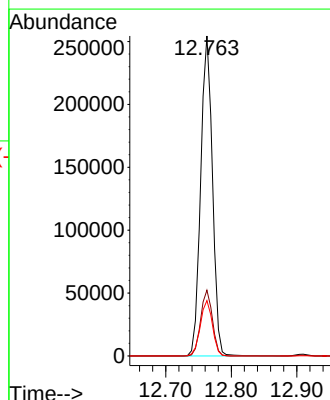
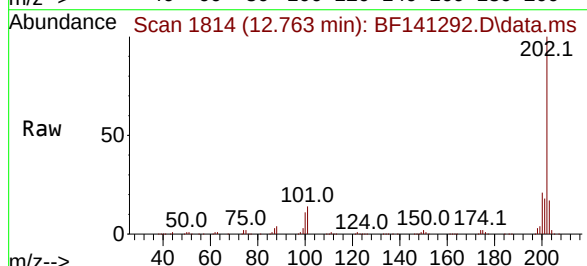
RT: 12.763 min Scan# 1814

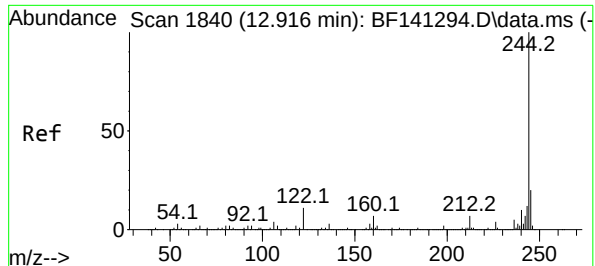
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

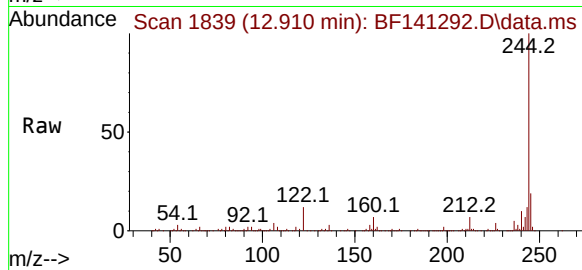
Tgt Ion:202	Resp:	317744
Ion Ratio	Lower	Upper
202	100	
200	20.5	17.0 25.4
203	17.3	14.3 21.5





#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

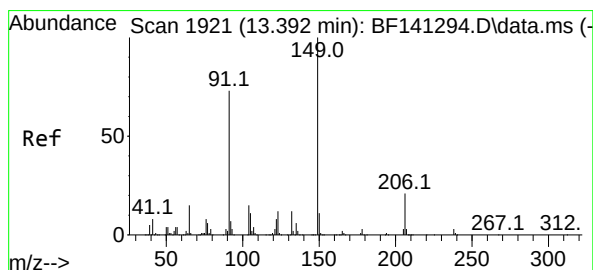
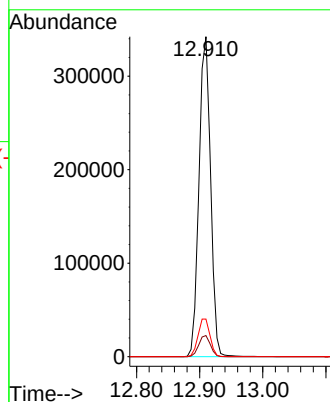
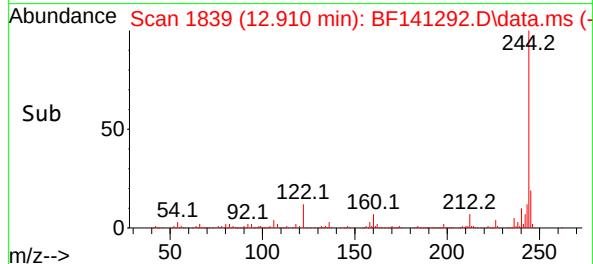
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:244 Resp: 43478
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.7 8.8 13.2

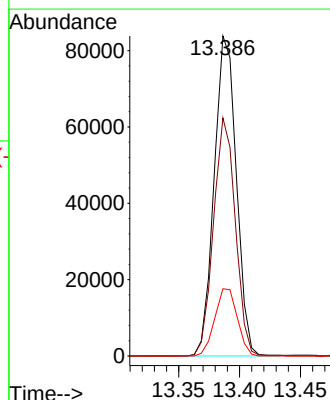
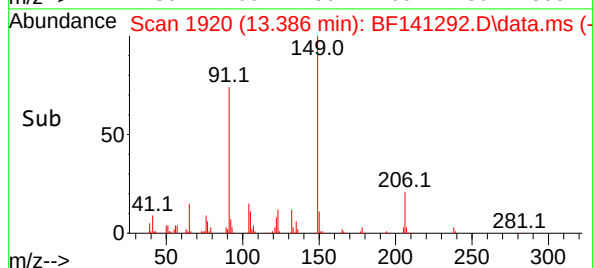
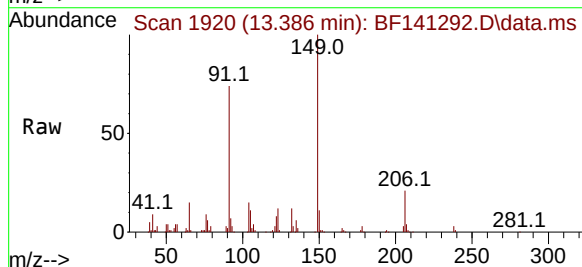
Manual Integrations
APPROVED

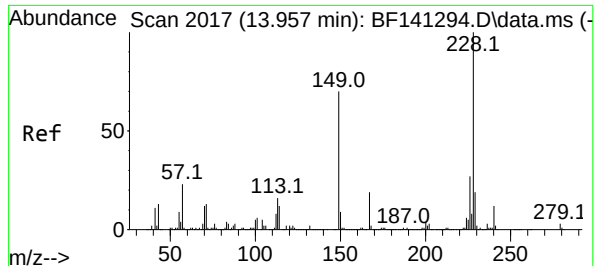
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

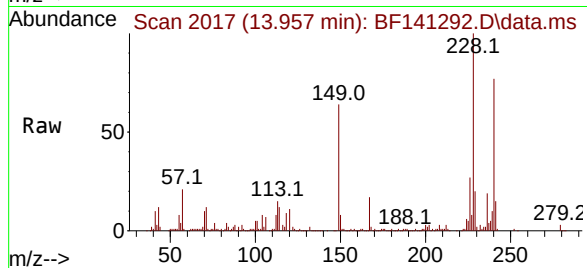
Tgt Ion:149 Resp: 106335
Ion Ratio Lower Upper
149 100
91 74.4 58.6 87.8
206 21.0 16.7 25.1





#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

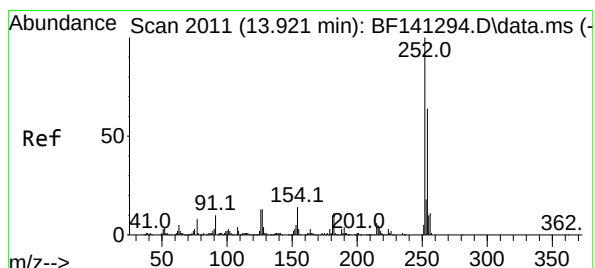
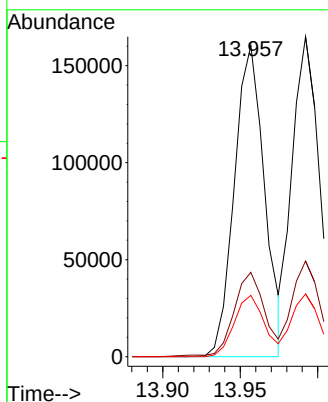
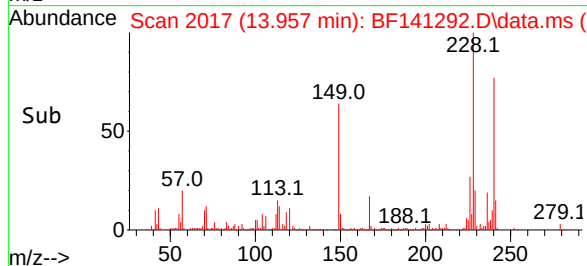
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



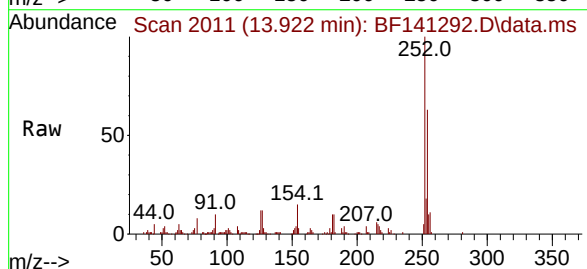
Tgt Ion:228 Resp: 21729
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.7 15.5 23.3

Manual Integrations
APPROVED

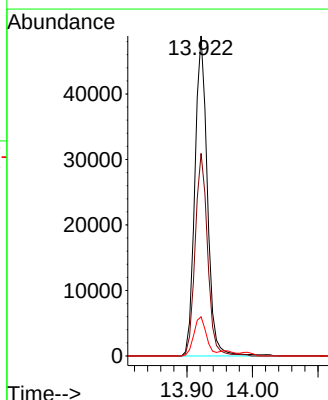
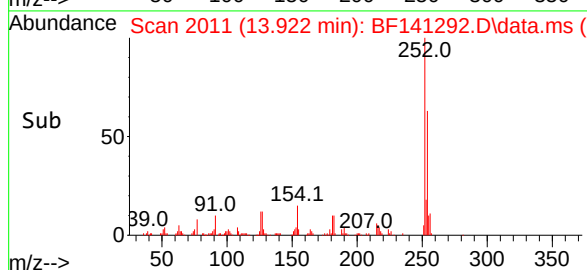
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

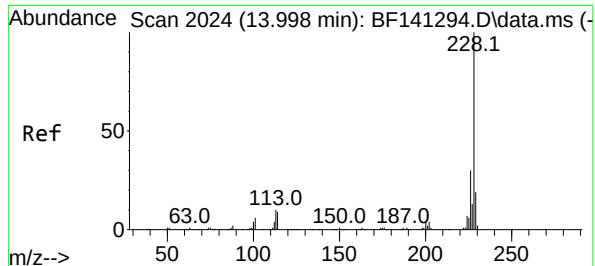


#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



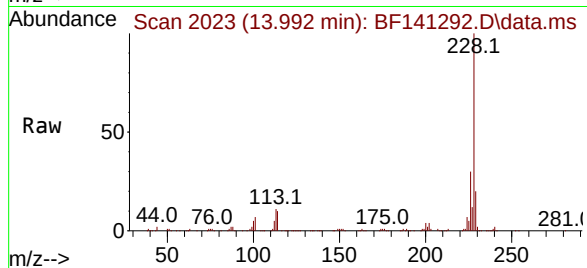
Tgt Ion:252 Resp: 65021
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.2 10.0 15.0





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

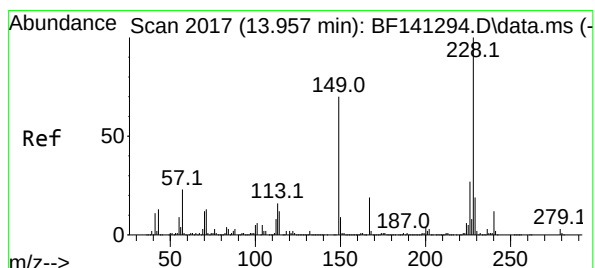
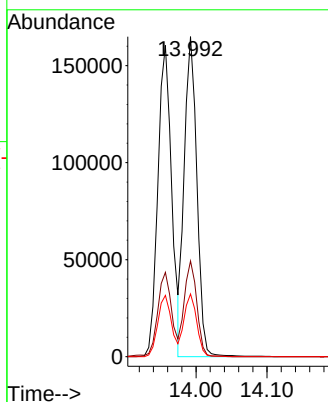
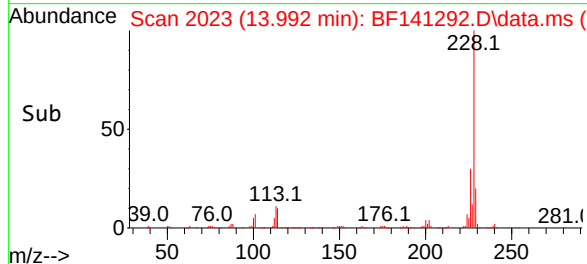
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 204080
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.6 15.6 23.4

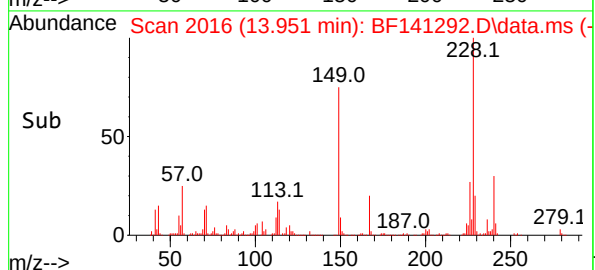
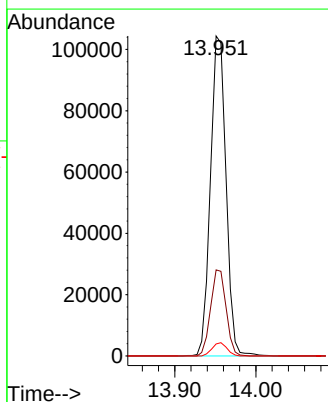
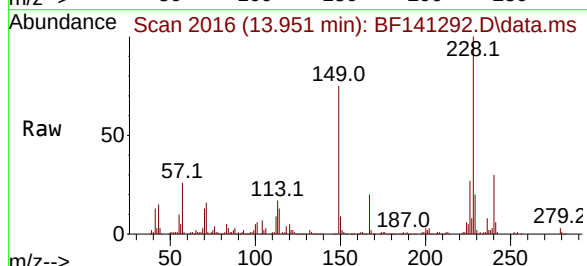
Manual Integrations
APPROVED

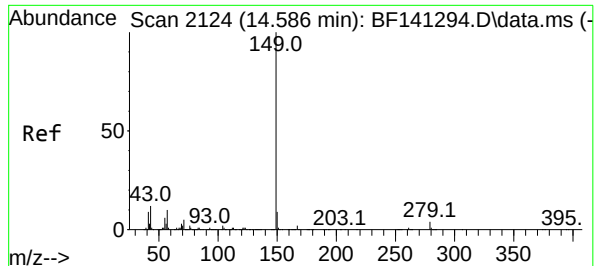
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

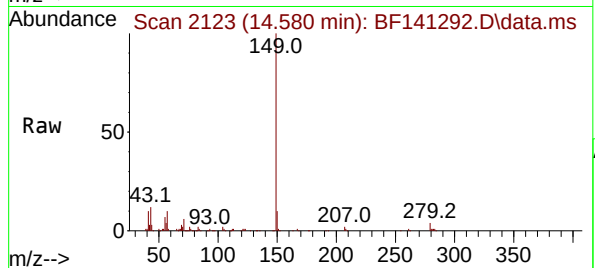
Tgt Ion:149 Resp: 139099
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

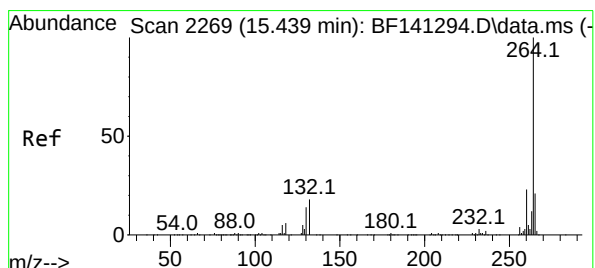
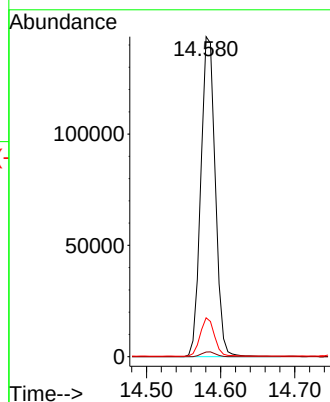
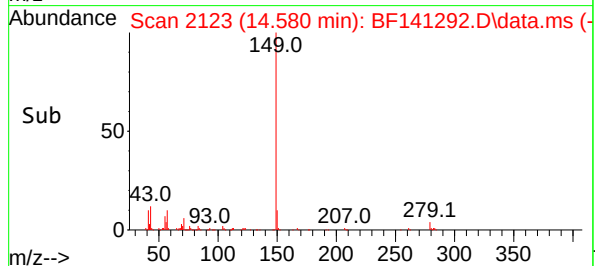
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 195129
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.8 9.8 14.8

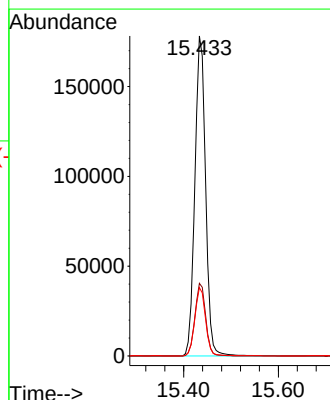
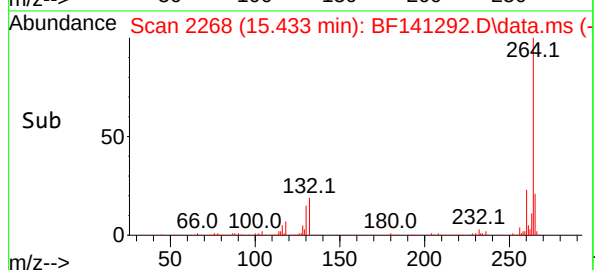
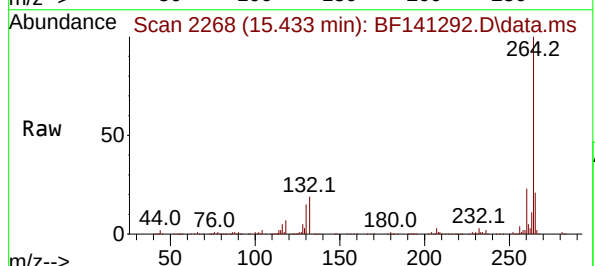
Manual Integrations
APPROVED

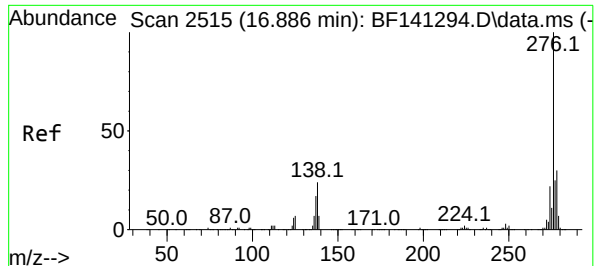
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:264 Resp: 280028
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.708 ng

RT: 16.874 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141292.D

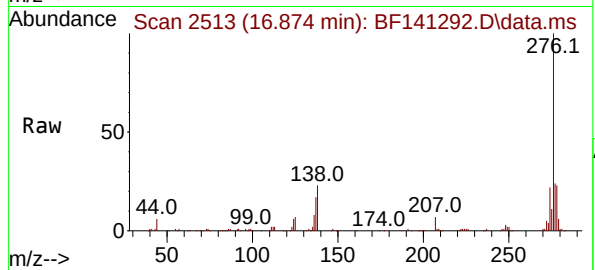
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:276 Resp: 177554

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

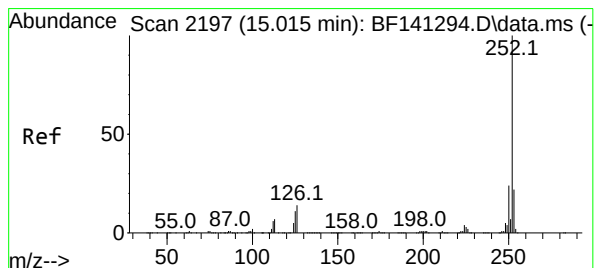
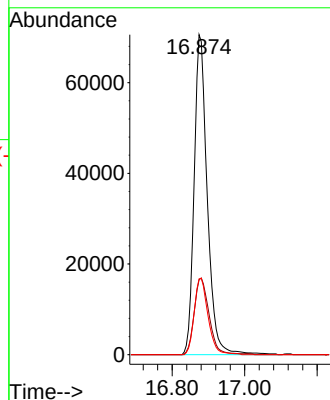
277 25.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 11.130 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

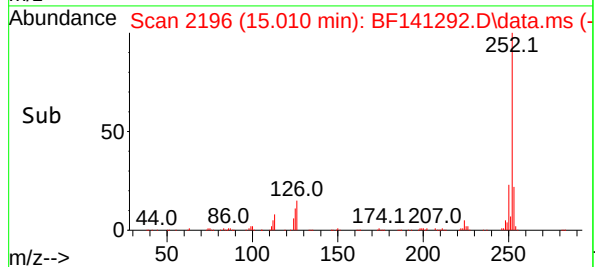
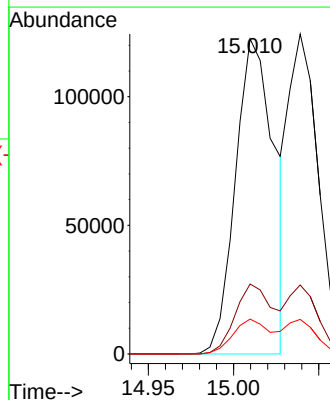
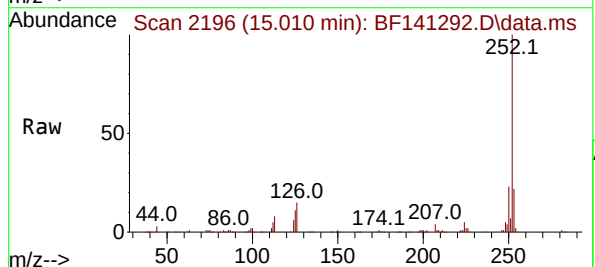
Tgt Ion:252 Resp: 193558

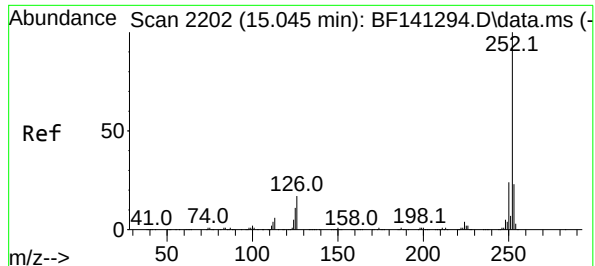
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 11.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.012 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

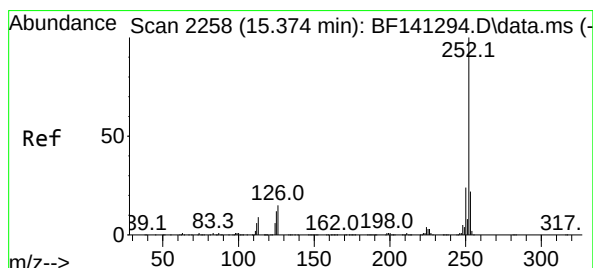
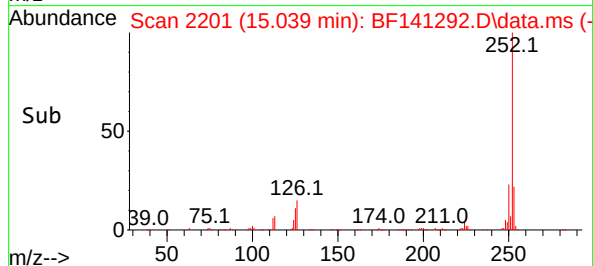
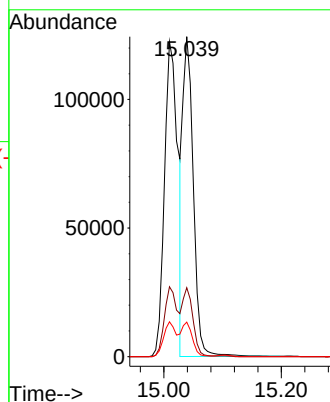
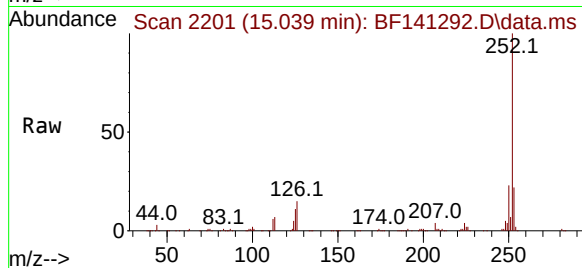
SSTDICC010

Tgt Ion:	252	Resp:	155925
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.6	26.4
125	10.8	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 9.972 ng

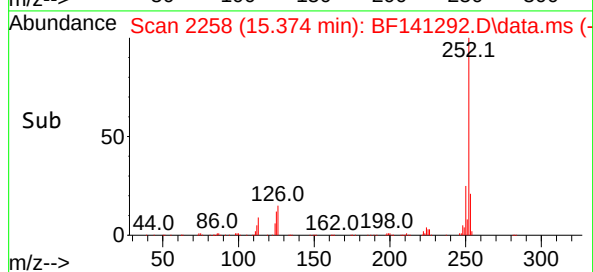
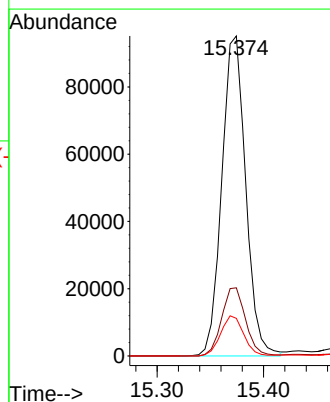
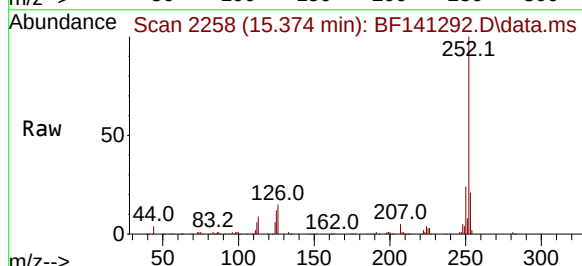
RT: 15.374 min Scan# 2258

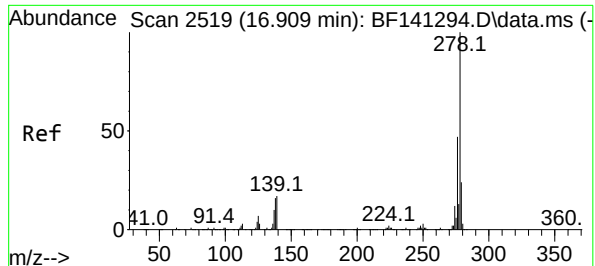
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:	252	Resp:	148214
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.2	25.8
125	11.7	9.4	14.2





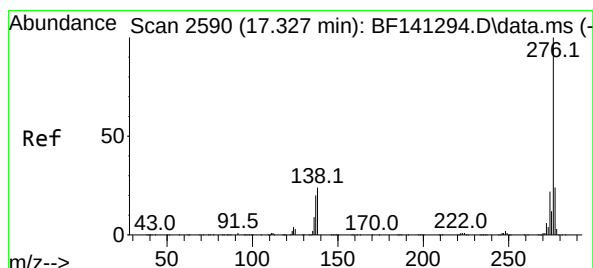
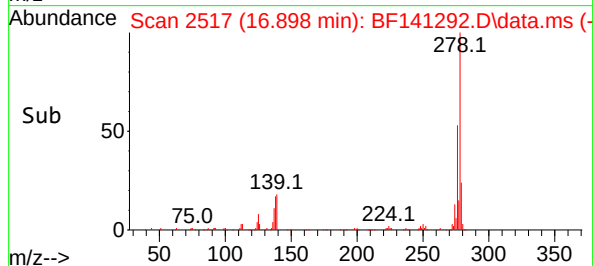
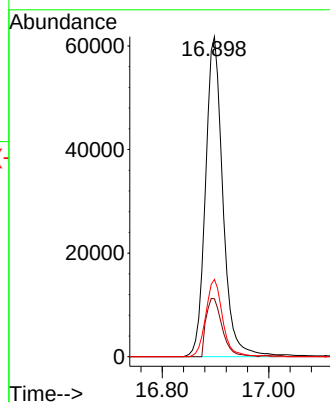
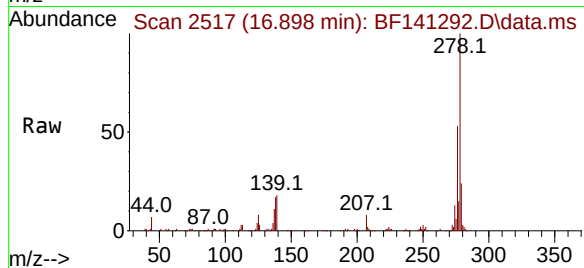
#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 14014
Ion Ratio Lower Upper
278 100
139 18.1 13.9 20.9
279 24.2 18.8 28.2

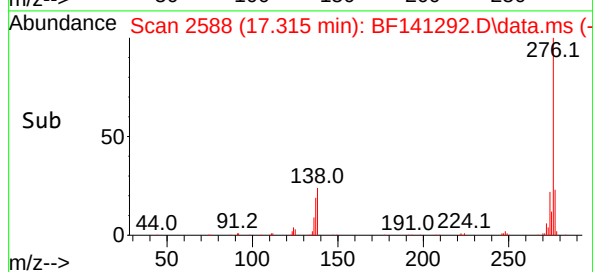
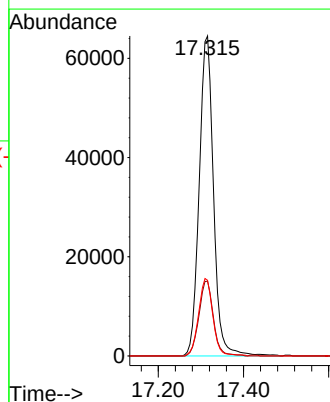
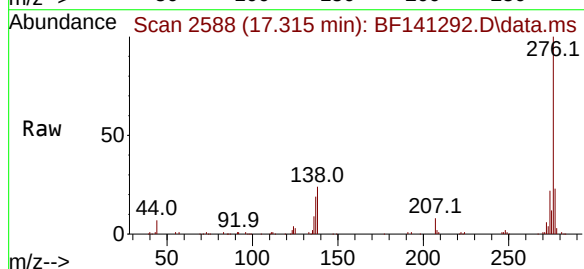
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 9.756 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 150453
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136491	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	532862	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	293084	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	511320	20.000	ng	0.00
76) Chrysene-d12	13.974	240	314234	20.000	ng	0.00
86) Perylene-d12	15.457	264	289582	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	382610	43.351	ng	0.00
7) Phenol-d6	6.422	99	475876	42.305	ng	0.00
23) Nitrobenzene-d5	7.357	82	432160	42.912	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	116167	43.498	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	819371	43.127	ng	0.00
79) Terphenyl-d14	12.916	244	860956	42.159	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	81467	20.794	ng	98
3) Pyridine	3.210	79	197852	21.116	ng	99
4) n-Nitrosodimethylamine	3.152	42	112451	20.957	ng	98
6) Aniline	6.457	93	210459	22.385	ng	99
8) 2-Chlorophenol	6.581	128	203008	21.418	ng	96
9) Benzaldehyde	6.345	77	150675	23.065	ng	100
10) Phenol	6.434	94	257179	21.611	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	194572	21.260	ng	98
12) 1,3-Dichlorobenzene	6.739	146	224880	21.512	ng	99
13) 1,4-Dichlorobenzene	6.816	146	226376	21.503	ng	99
14) 1,2-Dichlorobenzene	6.969	146	213616	21.714	ng	99
15) Benzyl Alcohol	6.934	79	166008	21.602	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	340590	21.420	ng	100
17) 2-Methylphenol	7.045	107	165188	21.525	ng	99
18) Hexachloroethane	7.310	117	83193	21.359	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	140874	21.058	ng	99
20) 3+4-Methylphenols	7.198	107	205070	21.734	ng	96
22) Acetophenone	7.204	105	275680	21.825	ng	100
24) Nitrobenzene	7.381	77	224061	21.451	ng	98
25) Isophorone	7.616	82	369998	21.259	ng	99
26) 2-Nitrophenol	7.698	139	106287	21.725	ng	98
27) 2,4-Dimethylphenol	7.734	122	132748m	21.233	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	237369	21.403	ng	98
29) 2,4-Dichlorophenol	7.934	162	166153	21.750	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	188468	21.511	ng	99
31) Naphthalene	8.104	128	607622	21.681	ng	100
32) Benzoic acid	7.816	122	126734	22.321	ng	99
33) 4-Chloroaniline	8.151	127	208531	22.151	ng	99
34) Hexachlorobutadiene	8.222	225	111274	21.699	ng	97
35) Caprolactam	8.498	113	54280	21.968	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	177981	21.708	ng	99
37) 2-Methylnaphthalene	8.792	142	386035	21.630	ng	100
38) 1-Methylnaphthalene	8.892	142	378878	21.671	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	176736	21.209	ng	99
41) Hexachlorocyclopentadiene	8.945	237	51112	20.438	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	114390	21.029	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	125725	21.245	ng	98
46) 1,1'-Biphenyl	9.257	154	483479	21.145	ng	100
47) 2-Chloronaphthalene	9.281	162	377946	21.282	ng	99
48) 2-Nitroaniline	9.375	65	119359	21.310	ng	98
49) Acenaphthylene	9.698	152	531957	21.328	ng	99
50) Dimethylphthalate	9.557	163	423377	21.542	ng	100
51) 2,6-Dinitrotoluene	9.622	165	97622	21.345	ng	96
52) Acenaphthene	9.869	154	378511	21.328	ng	99
53) 3-Nitroaniline	9.786	138	100085	22.123	ng	98
54) 2,4-Dinitrophenol	9.892	184	40003	18.557	ng	# 86
55) Dibenzofuran	10.039	168	514223	21.665	ng	100
56) 4-Nitrophenol	9.945	139	73425	22.607	ng	97
57) 2,4-Dinitrotoluene	10.022	165	129942	22.027	ng	98
58) Fluorene	10.386	166	396520	21.488	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	99841	21.354	ng	99
60) Diethylphthalate	10.257	149	413889	21.745	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	193134	21.446	ng	99
62) 4-Nitroaniline	10.398	138	96692	22.250	ng	98
63) Azobenzene	10.539	77	407492	21.358	ng	99
65) 4,6-Dinitro-2-methylph...	10.427	198	62572	20.492	ng	97
66) n-Nitrosodiphenylamine	10.498	169	344387	20.773	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	119844	20.967	ng	98
68) Hexachlorobenzene	10.933	284	126823	20.917	ng	99
69) Atrazine	11.022	200	109133	19.627	ng	99
70) Pentachlorophenol	11.127	266	74508	20.958	ng	98
71) Phenanthrene	11.351	178	584027	21.262	ng	100
72) Anthracene	11.398	178	572743	21.377	ng	100
73) Carbazole	11.557	167	522100	22.000	ng	99
74) Di-n-butylphthalate	11.892	149	636521	22.251	ng	100
75) Fluoranthene	12.539	202	611492	22.808	ng	100
77) Benzidine	12.663	184	65963	6.904	ng	99
78) Pyrene	12.769	202	629228	20.739	ng	99
80) Butylbenzylphthalate	13.392	149	232095	22.149	ng	99
81) Benzo(a)anthracene	13.968	228	456535	21.197	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	134298	19.914	ng	99
83) Chrysene	14.004	228	421849	21.122	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	300546	22.857	ng	99
85) Di-n-octyl phthalate	14.604	149	451748	21.964	ng	100
87) Indeno(1,2,3-cd)pyrene	16.909	276	387089	20.466	ng	99
88) Benzo(b)fluoranthene	15.033	252	384557	21.383	ng	99
89) Benzo(k)fluoranthene	15.062	252	368801	22.900	ng	99
90) Benzo(a)pyrene	15.392	252	327630	21.317	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	318776	21.026	ng	100
92) Benzo(g,h,i)perylene	17.345	276	329876	20.684	ng	100

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

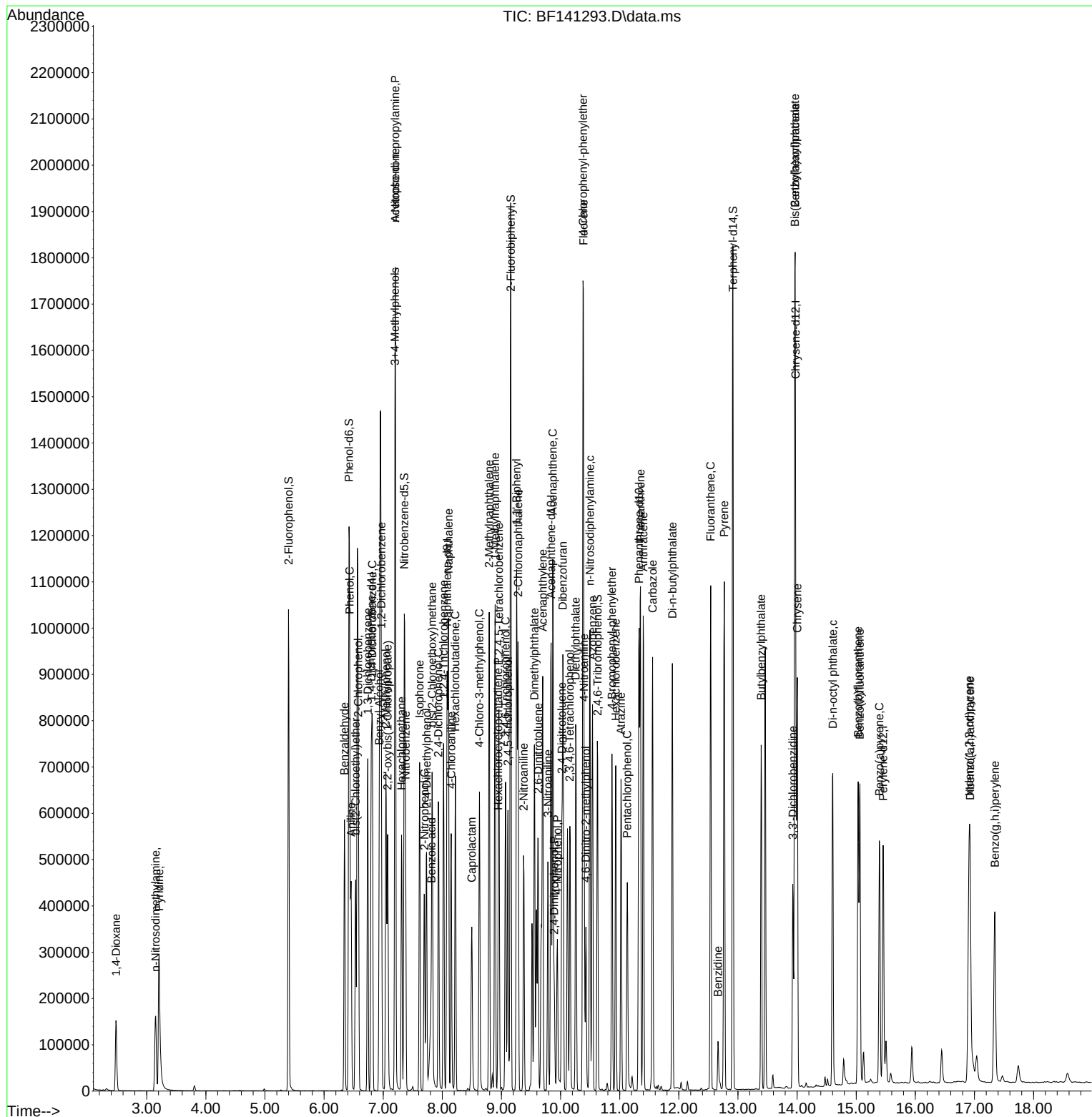
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 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

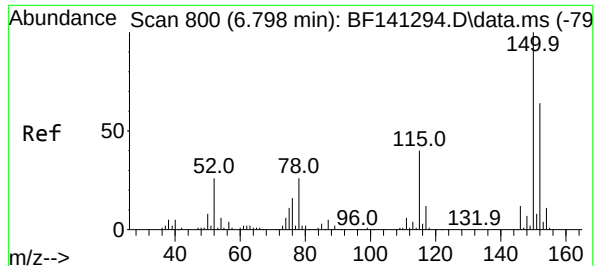
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

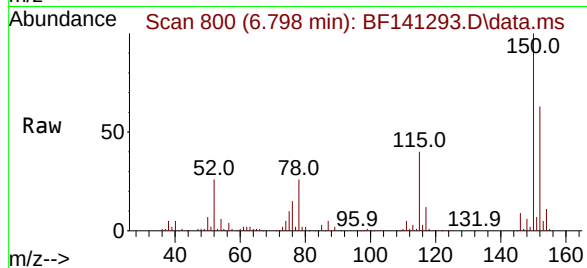
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

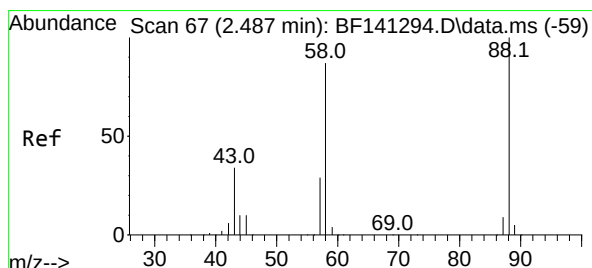
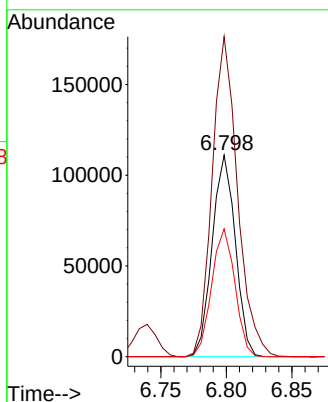
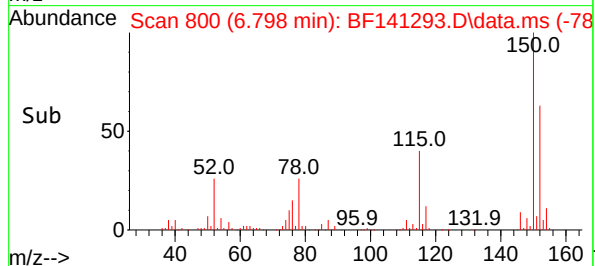
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 13649
Ion Ratio Lower Upper
152 100
150 158.9 125.9 188.9
115 63.5 49.7 74.5

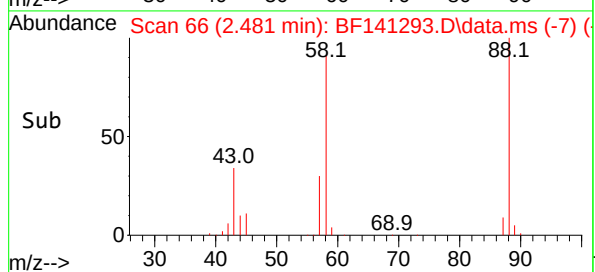
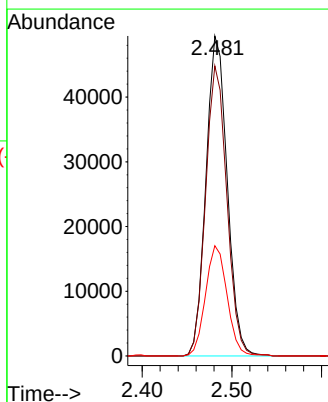
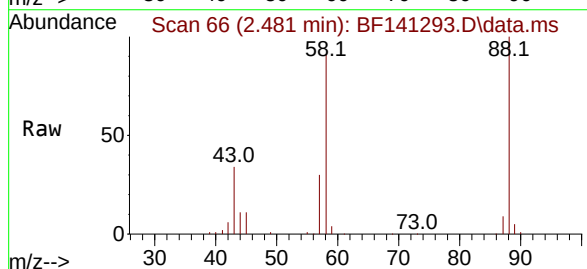
Manual Integrations
APPROVED

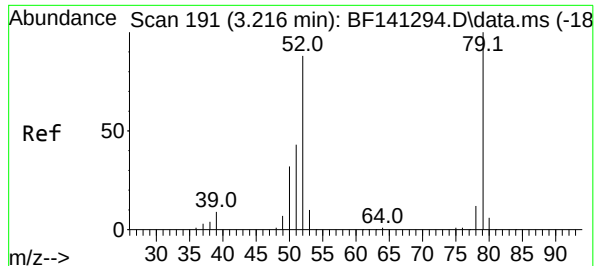
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 88 Resp: 81467
Ion Ratio Lower Upper
88 100
58 90.4 70.2 105.4
43 35.0 27.6 41.4





#3

Pyridine

Concen: 21.116 ng

RT: 3.210 min Scan# 191

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 19785

Ion Ratio Lower Upper

79 100

52 87.6 70.3 105.5

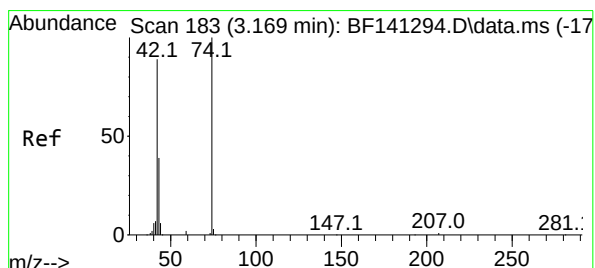
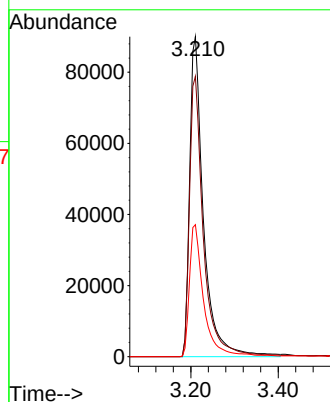
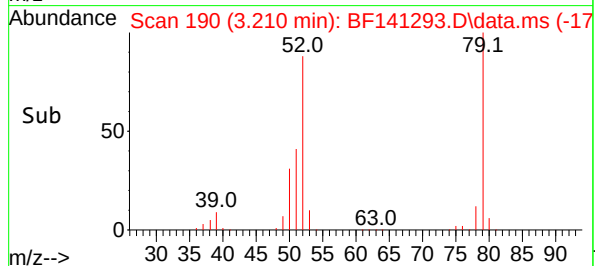
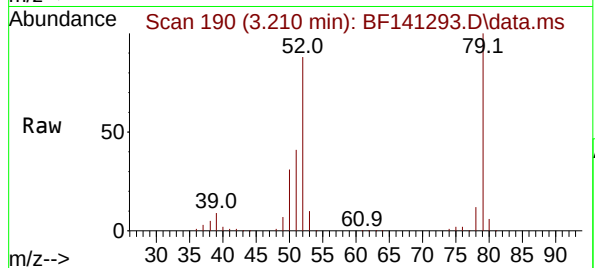
51 41.2 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#4

n-Nitrosodimethylamine

Concen: 20.957 ng

RT: 3.152 min Scan# 180

Delta R.T. -0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

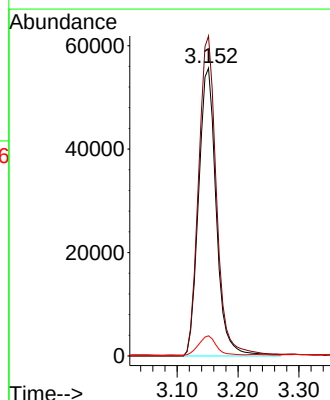
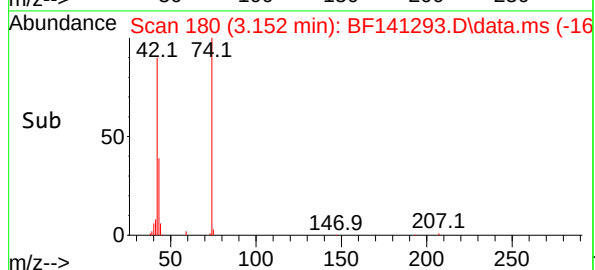
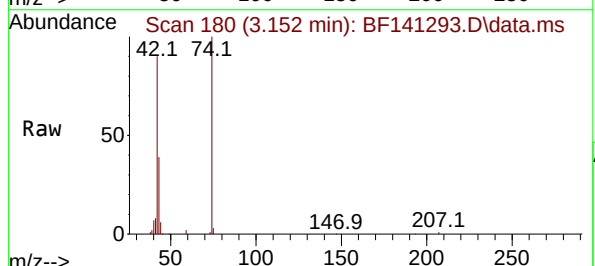
Tgt Ion: 42 Resp: 112451

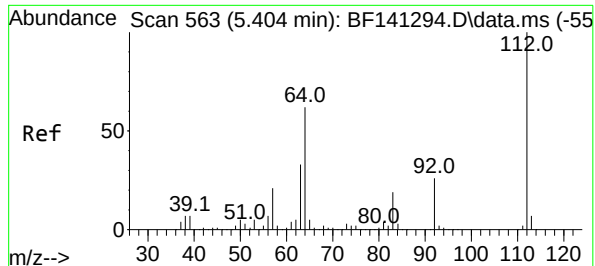
Ion Ratio Lower Upper

42 100

74 111.2 90.3 135.5

44 7.0 5.7 8.5





#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

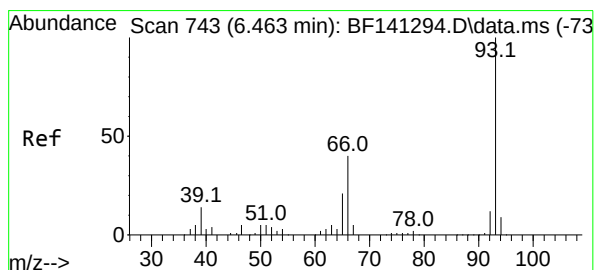
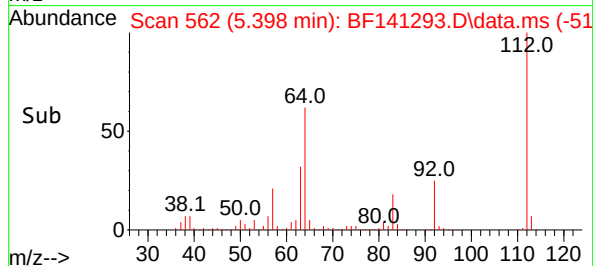
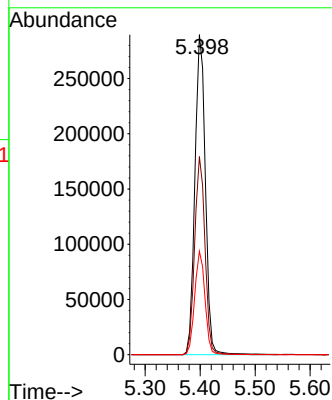
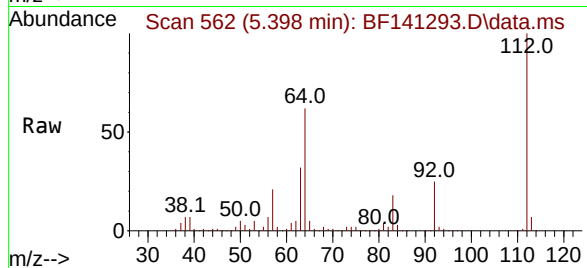
SSTDICC020

Tgt Ion:112 Resp: 382610
Ion Ratio Lower Upper
112 100
64 61.9 49.8 74.8
63 32.3 26.1 39.1

Manual Integrations

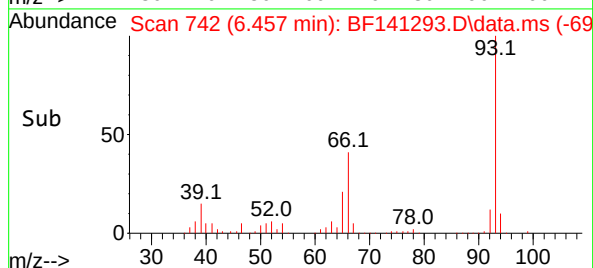
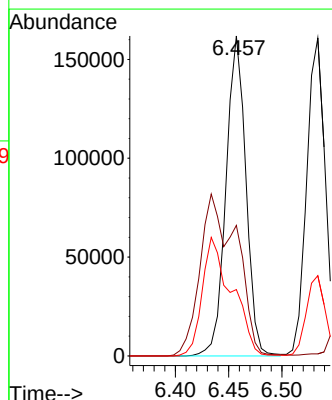
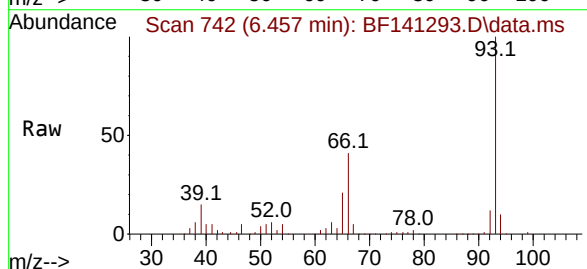
APPROVED

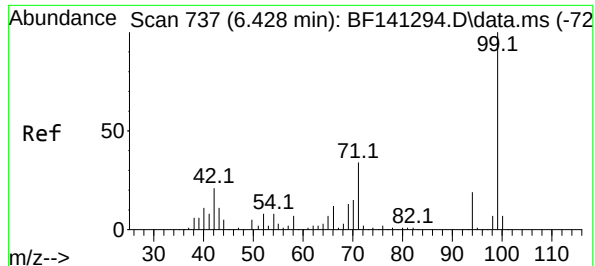
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459
Ion Ratio Lower Upper
93 100
66 40.8 32.5 48.7
65 20.7 17.0 25.6





#7

Phenol-d6

Concen: 42.305 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 475870

Ion Ratio Lower Upper

99 100

42 20.9 17.1 25.7

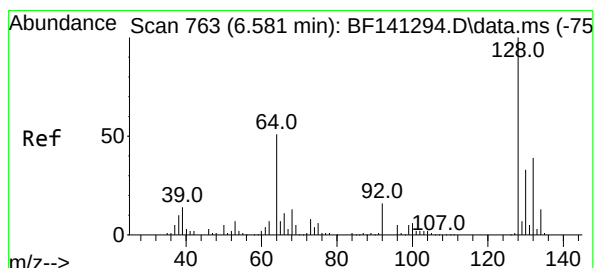
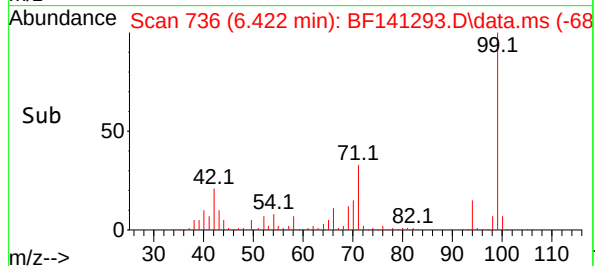
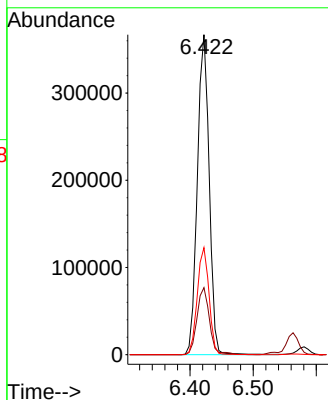
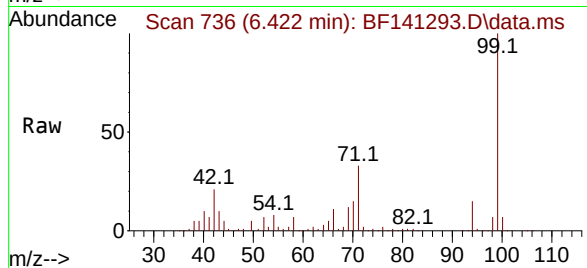
71 33.5 26.9 40.3

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 21.418 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

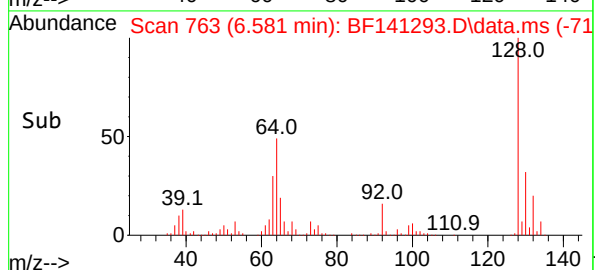
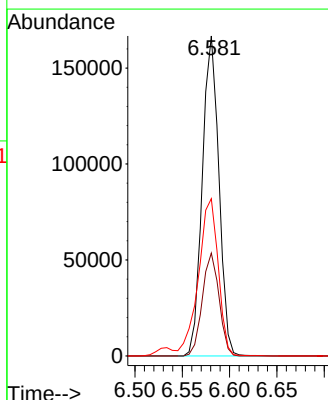
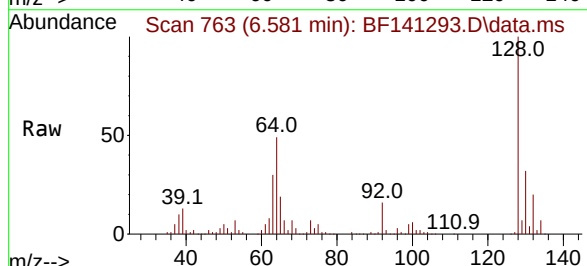
Tgt Ion:128 Resp: 203008

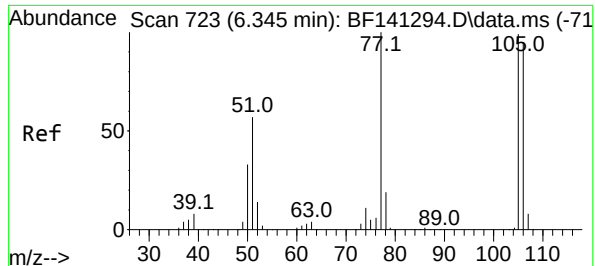
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 49.1 32.9 72.9





#9

Benzaldehyde

Concen: 23.065 ng

RT: 6.345 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 150679

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

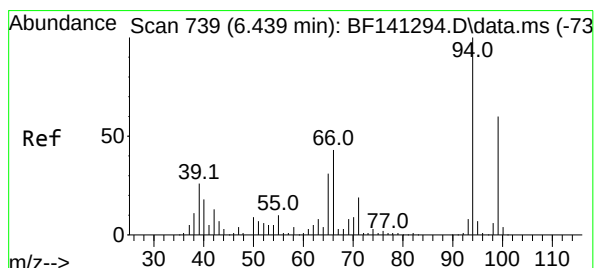
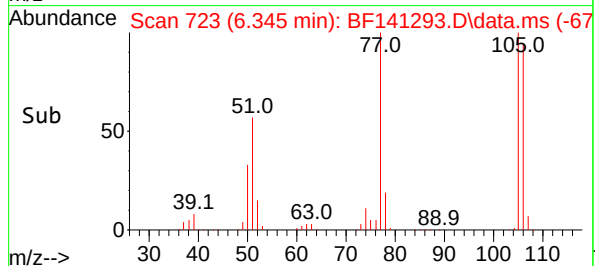
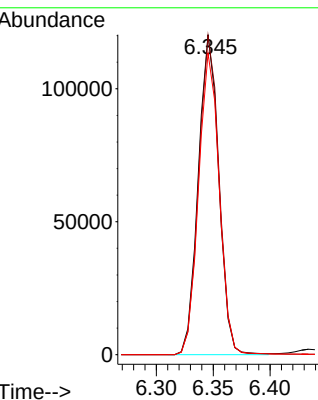
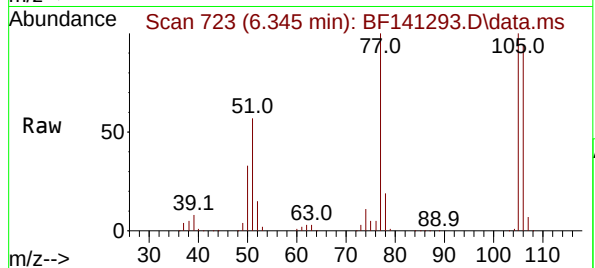
106 94.2 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 21.611 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

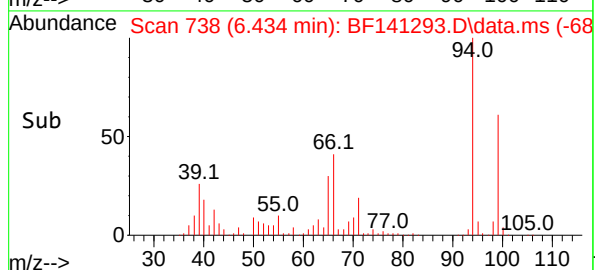
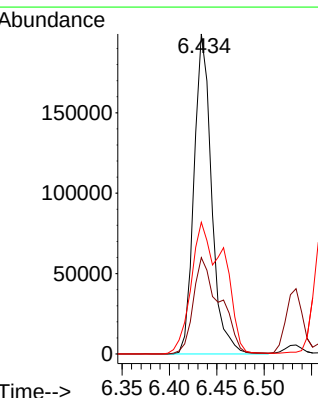
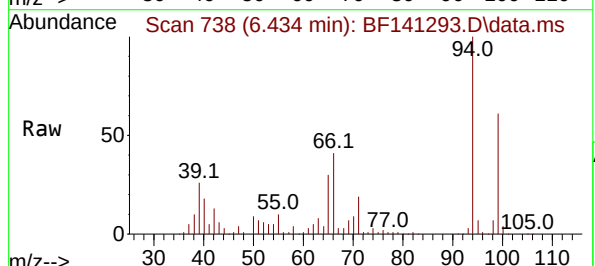
Tgt Ion: 94 Resp: 257179

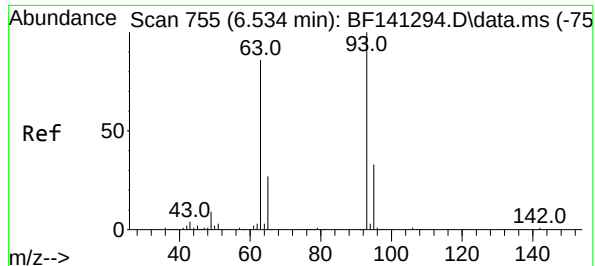
Ion Ratio Lower Upper

94 100

65 30.1 10.8 50.8

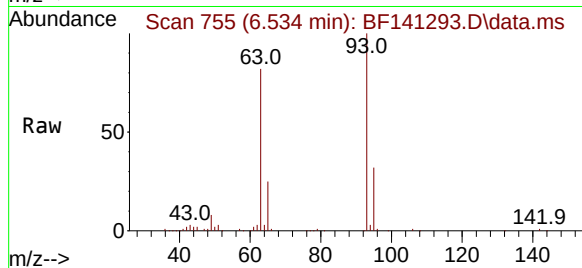
66 41.1 23.3 63.3





#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

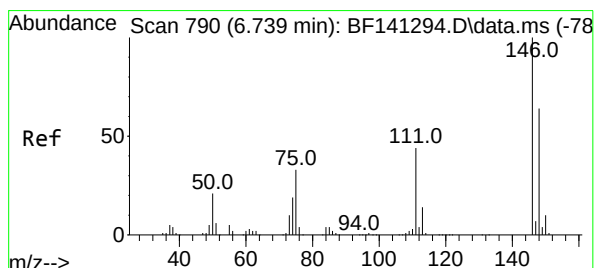
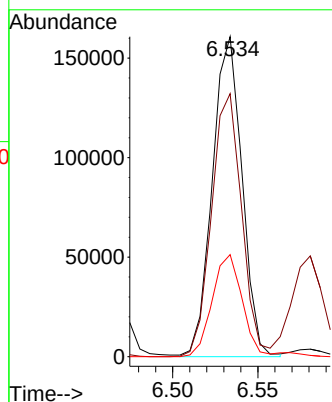
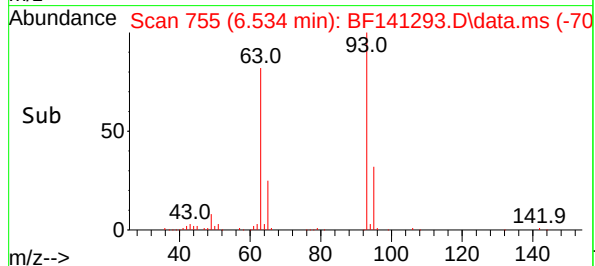
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 93 Resp: 194572
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 31.9 12.4 52.4

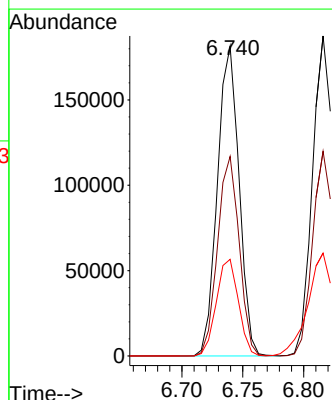
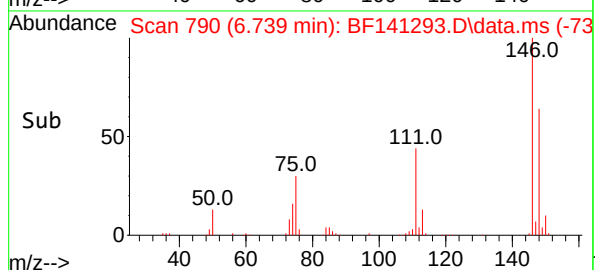
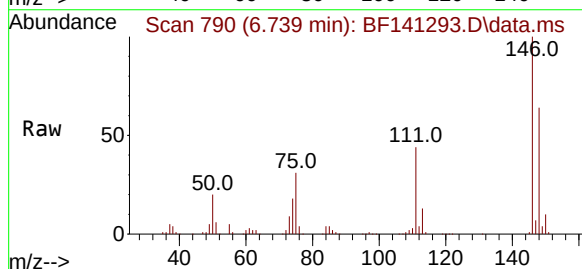
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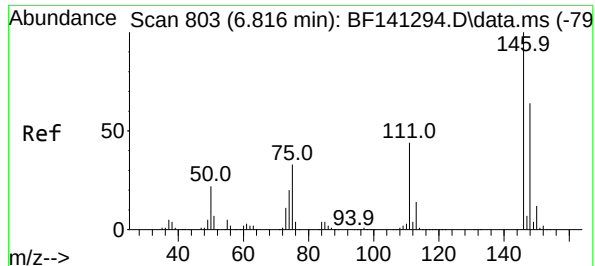
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 31.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 21.503 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

Tgt Ion:146 Resp: 226370

Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

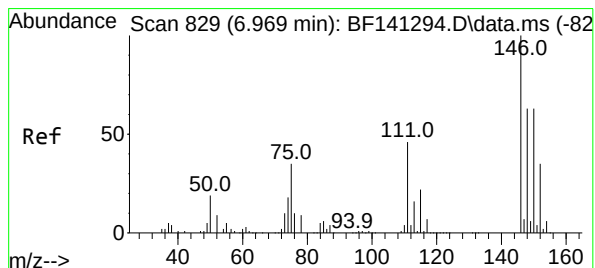
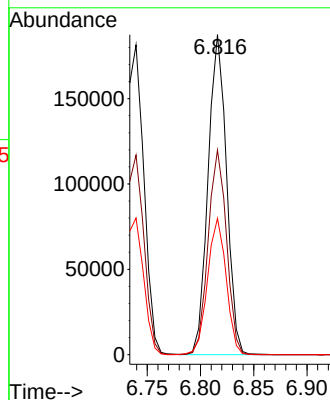
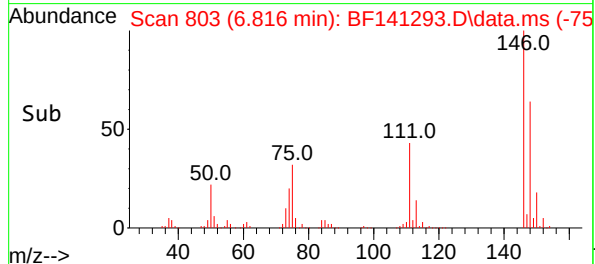
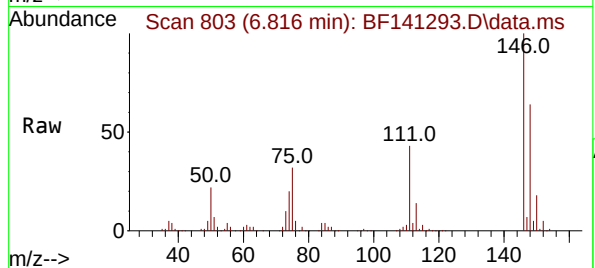
111 42.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 21.714 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

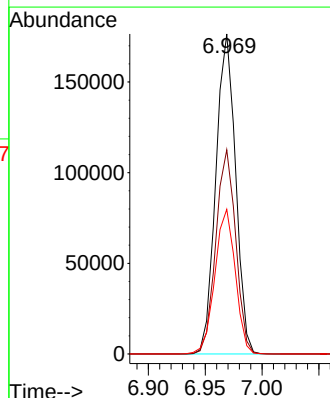
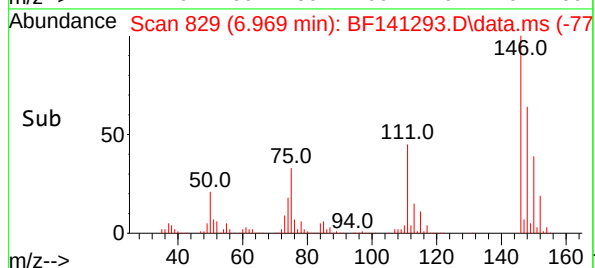
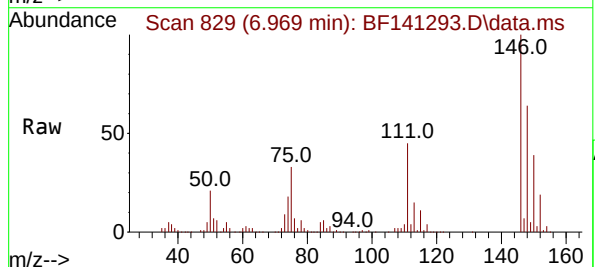
Tgt Ion:146 Resp: 213616

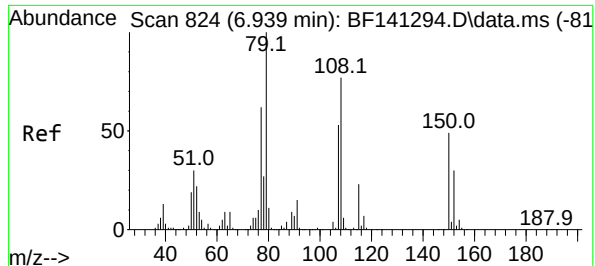
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

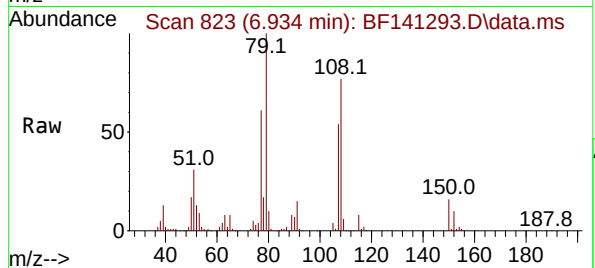
111 45.2 36.6 55.0





#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

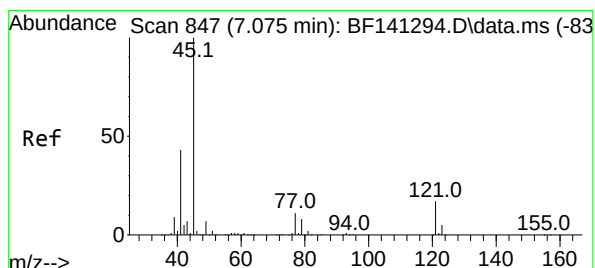
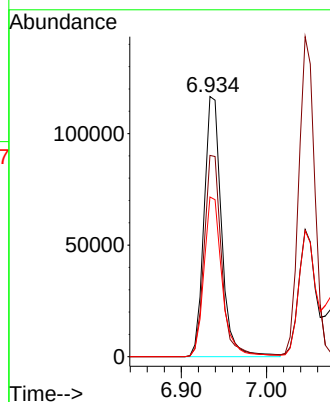
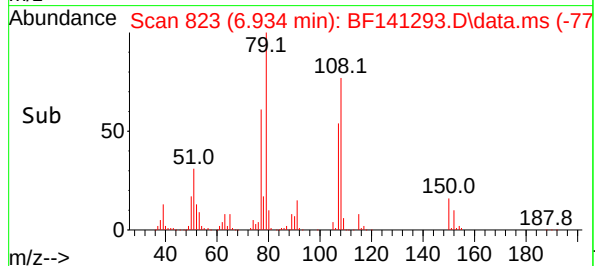
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 166008
Ion Ratio Lower Upper
79 100
108 77.4 61.4 92.0
77 61.4 49.9 74.9

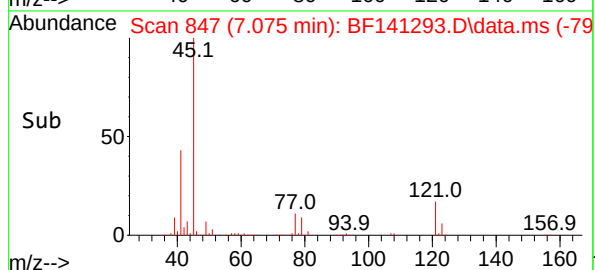
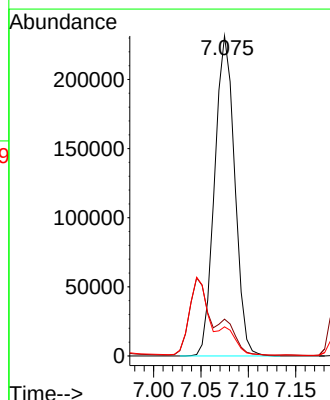
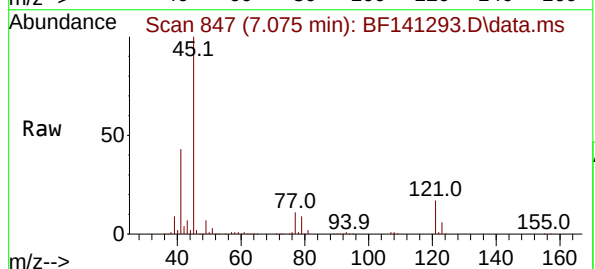
Manual Integrations
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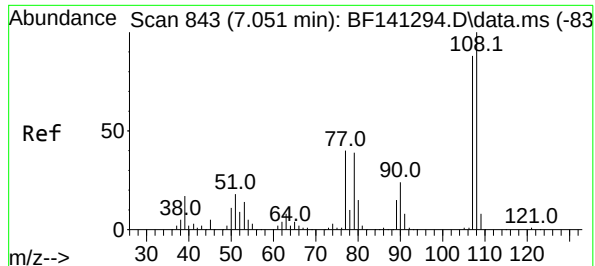
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

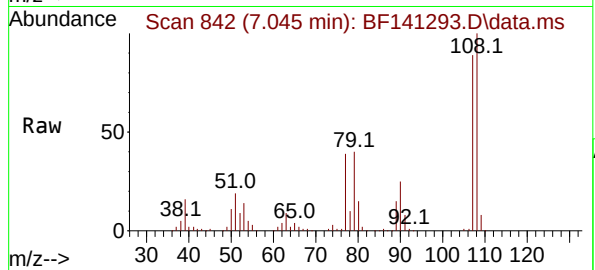
Tgt Ion: 45 Resp: 340590
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.1 0.0 29.1





#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

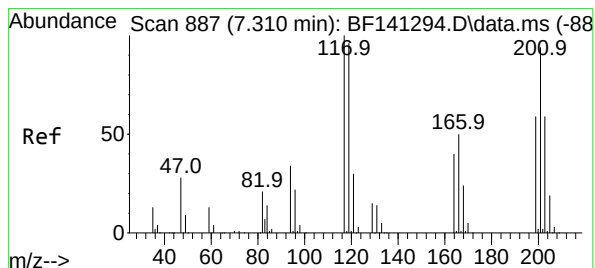
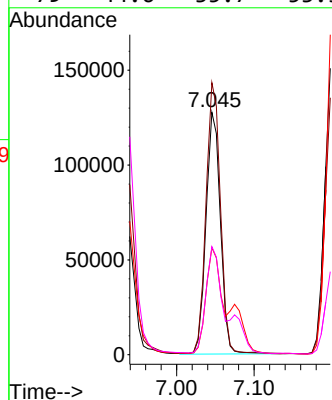
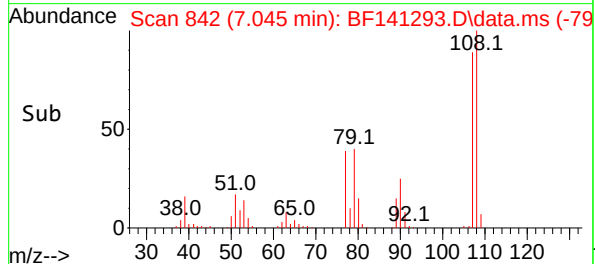
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 16518
Ion Ratio Lower Upper
107 100
108 112.2 90.8 136.2
77 44.2 36.2 54.4
79 44.6 35.7 53.5

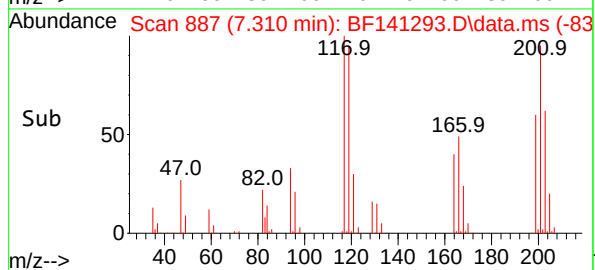
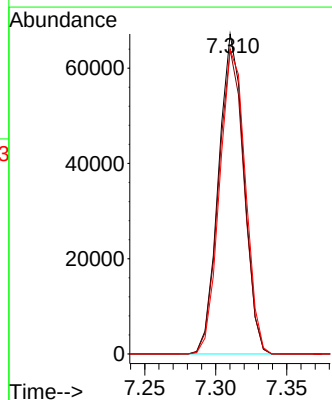
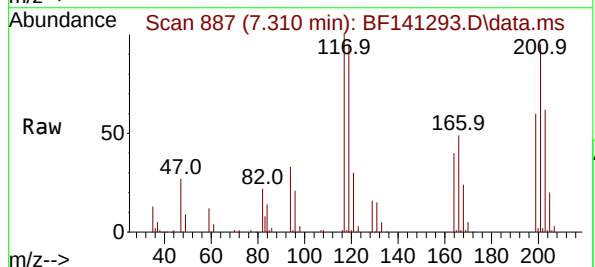
Manual Integrations
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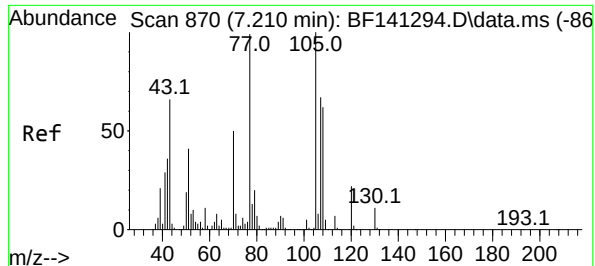
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 95.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 21.058 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 140874

Ion Ratio Lower Upper

70 100

42 69.9 56.8 85.2

101 10.1 7.7 11.5

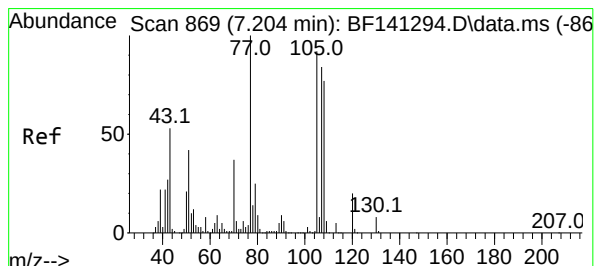
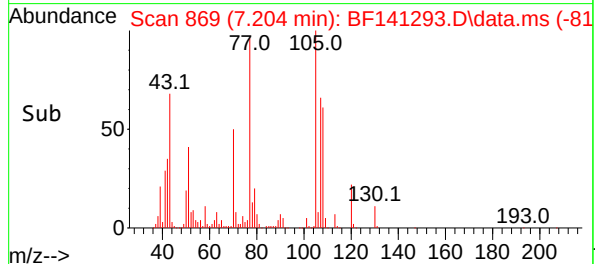
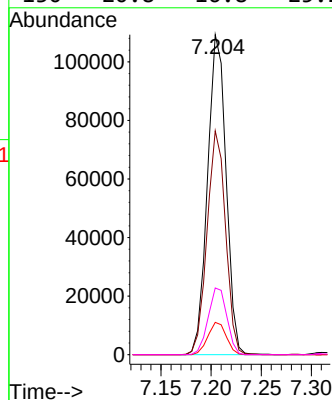
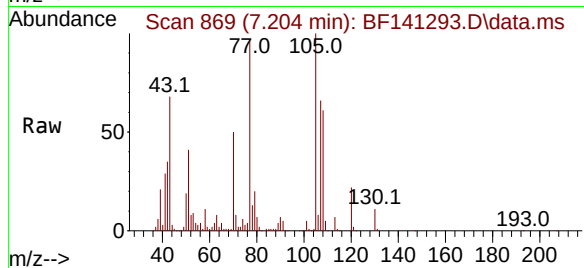
130 20.8 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 21.734 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

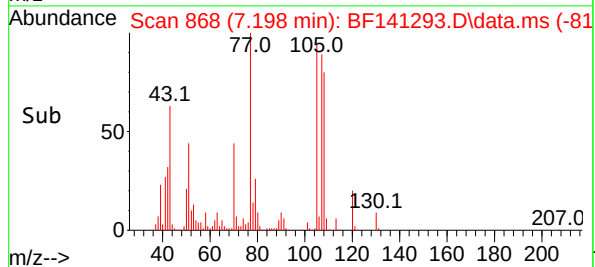
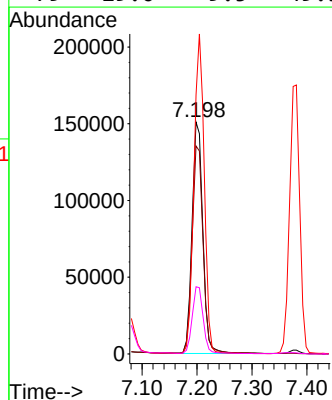
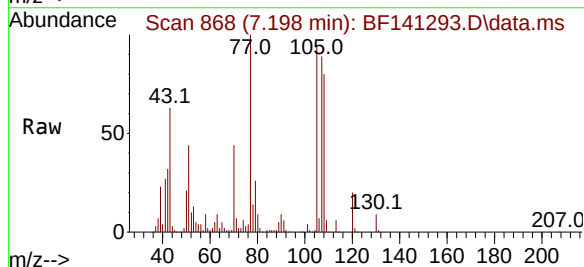
Ion Ratio Lower Upper

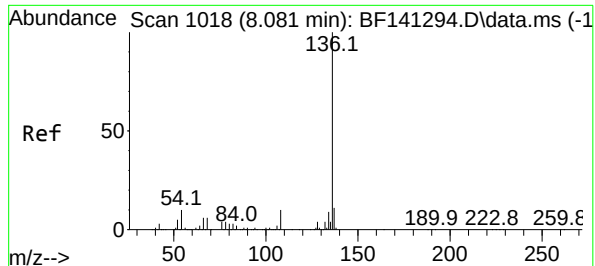
107 100

108 89.7 70.9 110.9

77 111.7 98.5 138.5

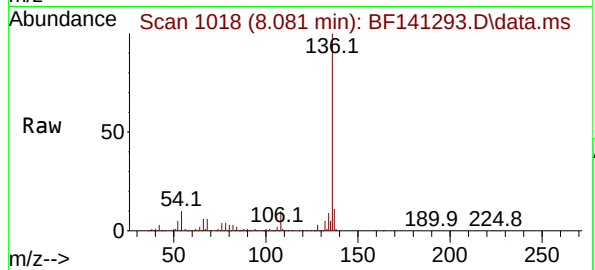
79 29.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

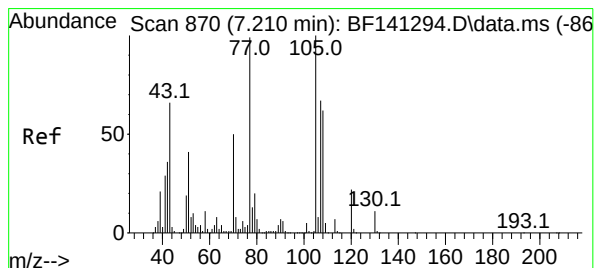
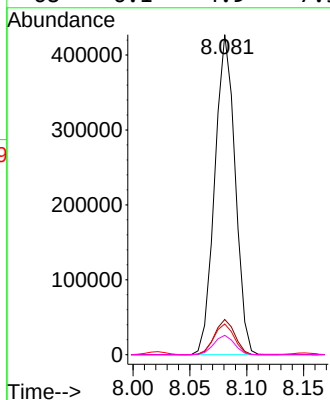
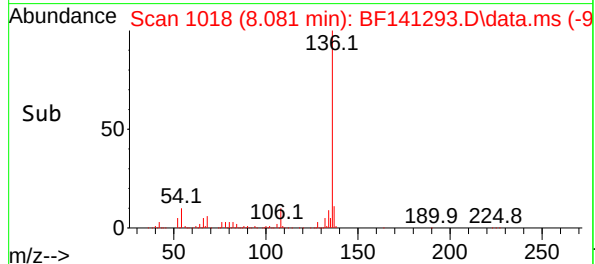
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



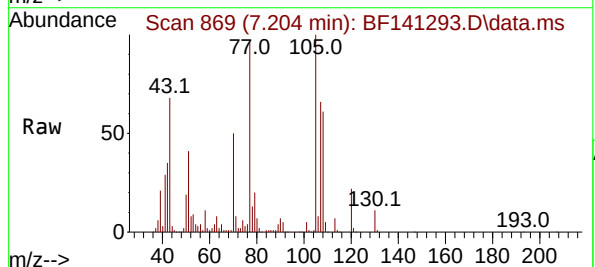
Tgt Ion:136 Resp: 532862
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.8 11.8
68 6.1 4.9 7.3

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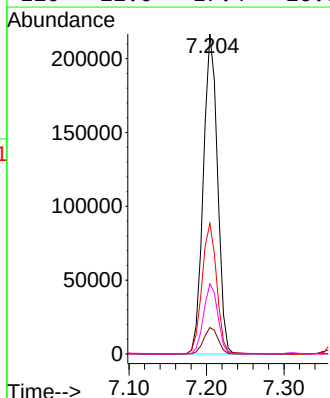
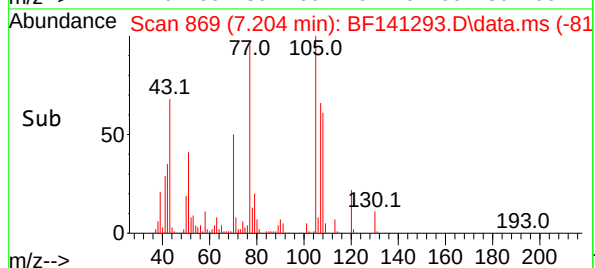
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

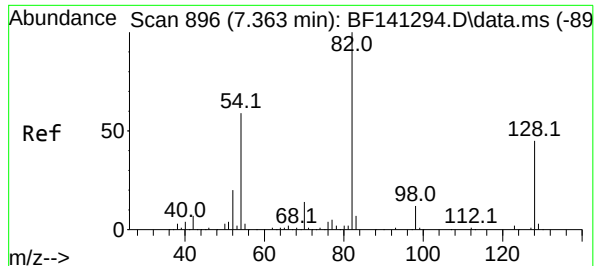


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:105 Resp: 275680
Ion Ratio Lower Upper
105 100
71 8.2 6.8 10.2
51 40.8 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 42.912 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 432160

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

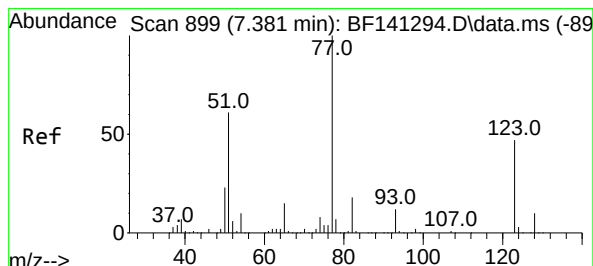
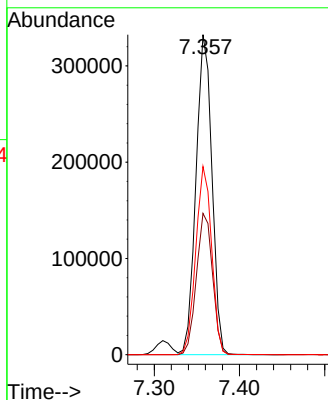
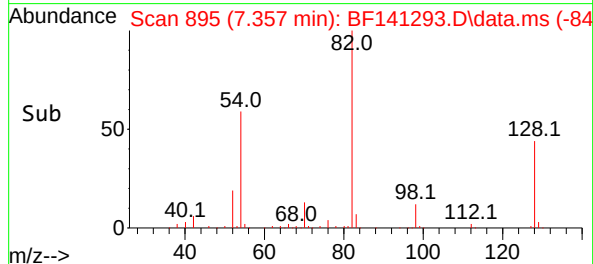
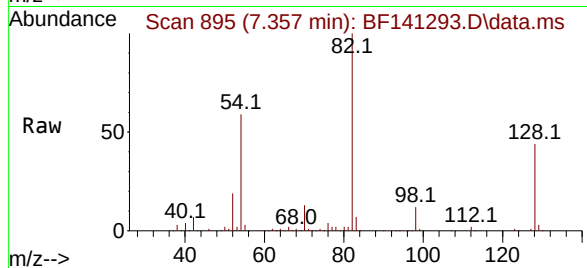
54 58.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 21.451 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

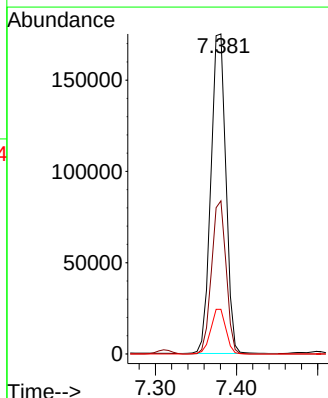
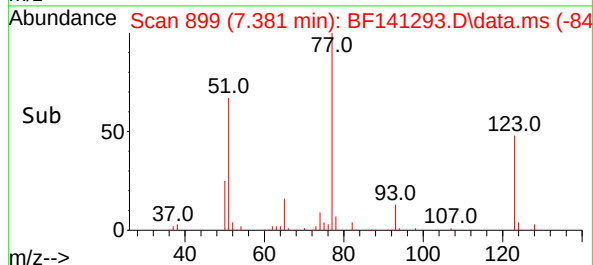
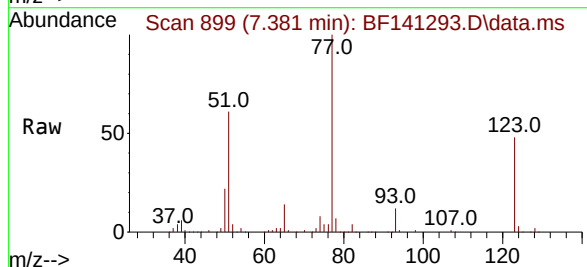
Tgt Ion: 77 Resp: 224061

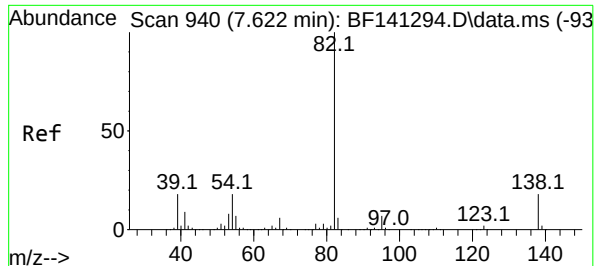
Ion Ratio Lower Upper

77 100

123 47.8 37.3 55.9

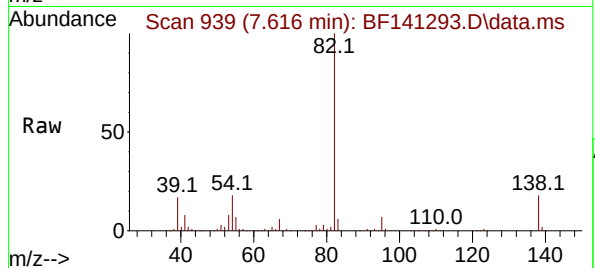
65 13.9 11.8 17.6





#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

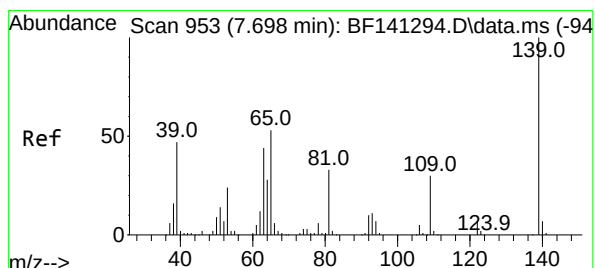
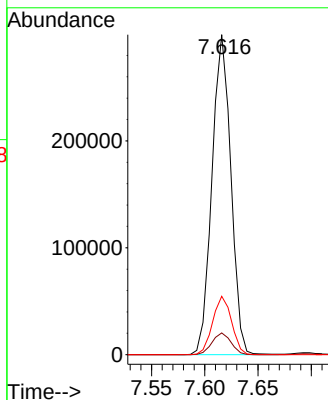
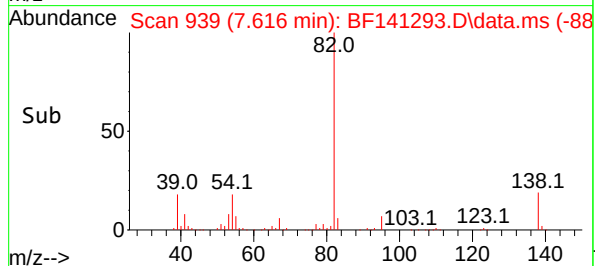
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion: 82 Resp: 369998
Ion Ratio Lower Upper
82 100
95 6.8 5.8 8.6
138 18.2 14.7 22.1

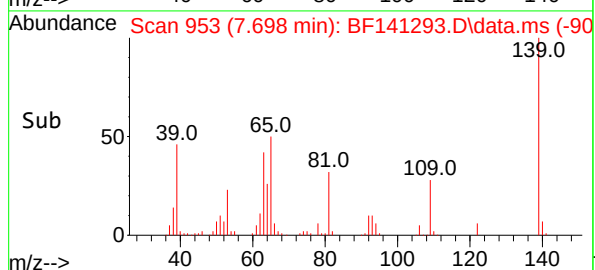
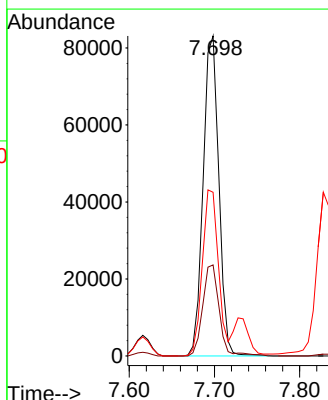
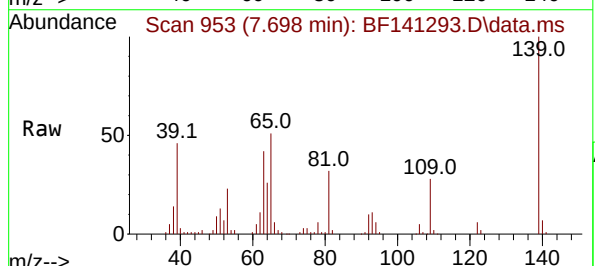
Manual Integrations
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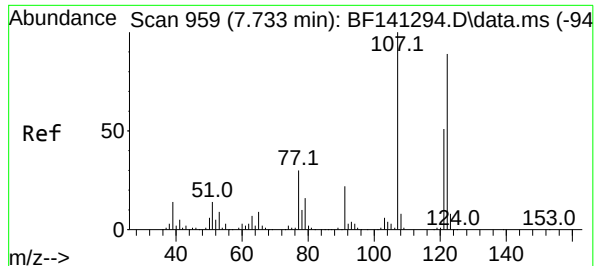
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287
Ion Ratio Lower Upper
139 100
109 28.5 23.8 35.6
65 51.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 21.233 ng m

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 132748

Ion Ratio Lower Upper

122 100

107 111.9 89.9 134.9

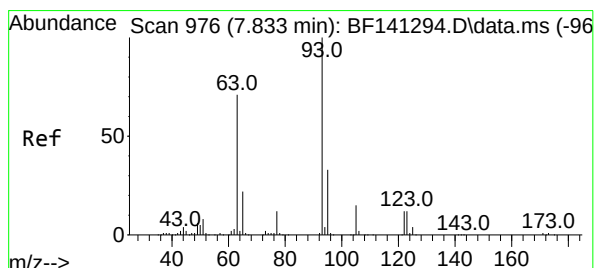
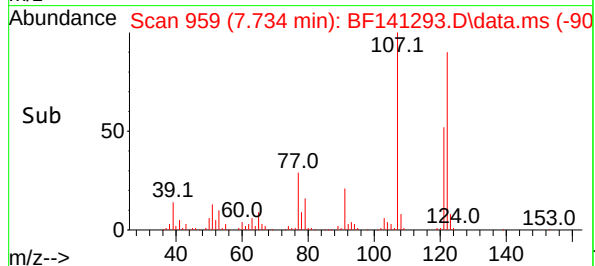
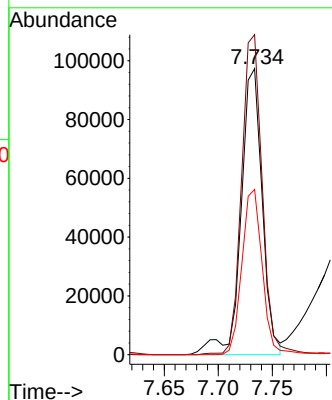
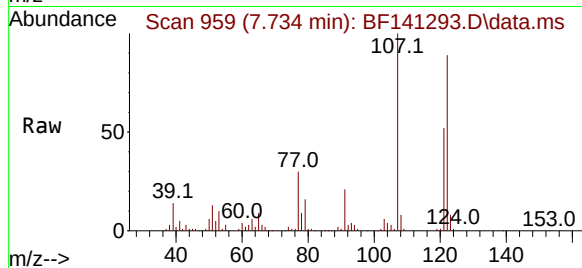
121 57.8 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 21.403 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

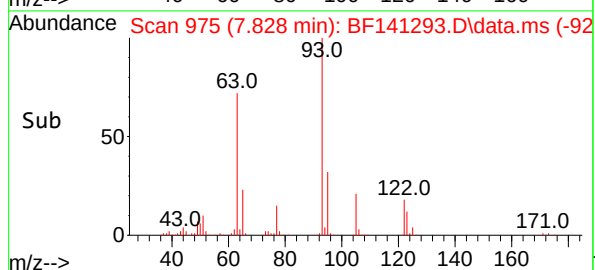
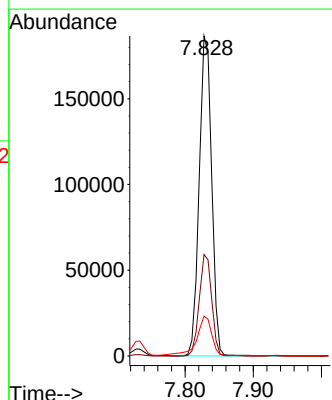
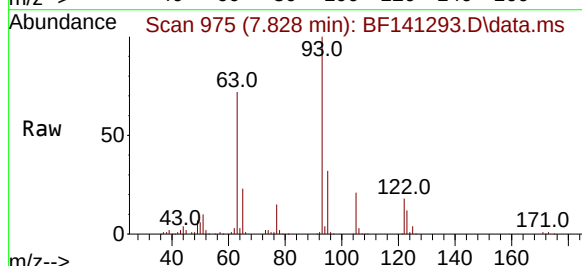
Tgt Ion: 93 Resp: 237369

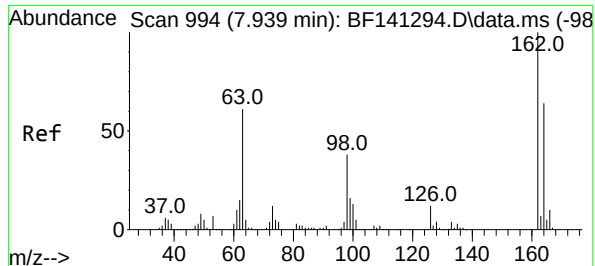
Ion Ratio Lower Upper

93 100

95 31.7 26.2 39.2

123 12.5 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 21.750 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 16615

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

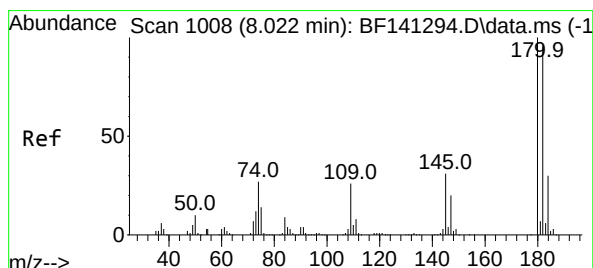
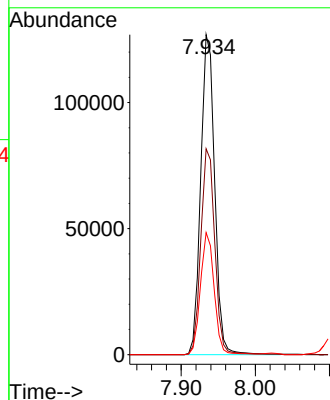
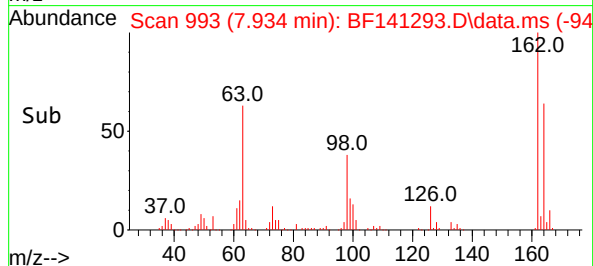
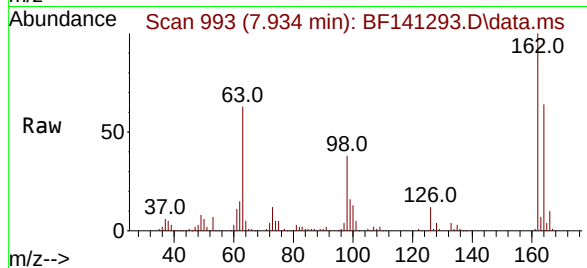
98 38.1 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.511 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

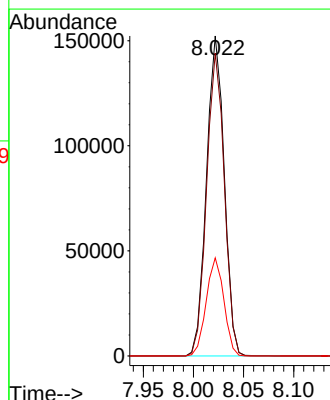
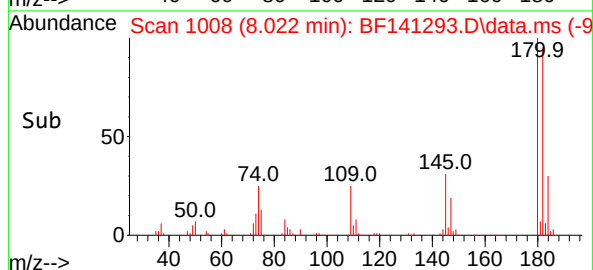
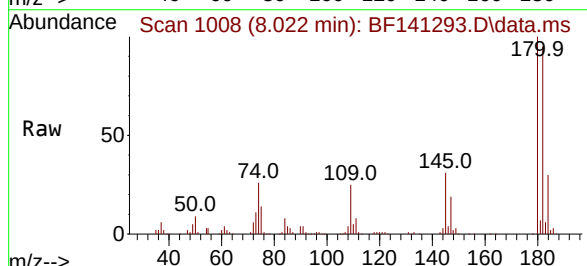
Tgt Ion:180 Resp: 188468

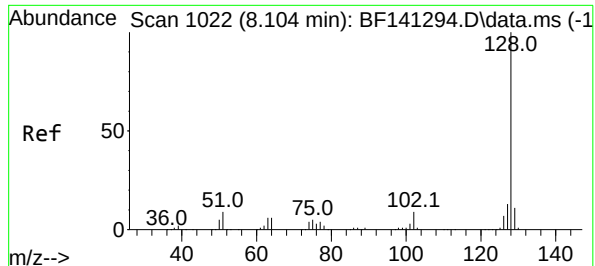
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

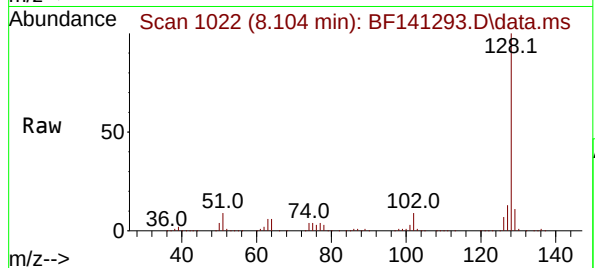
145 30.6 24.9 37.3





#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

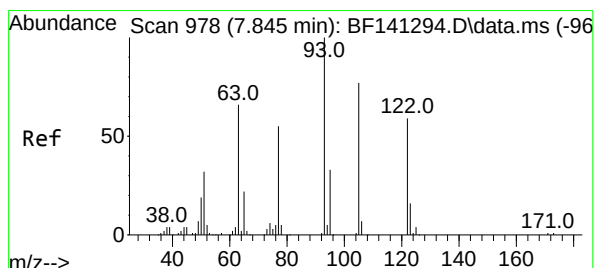
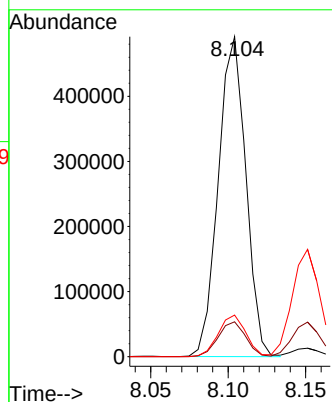
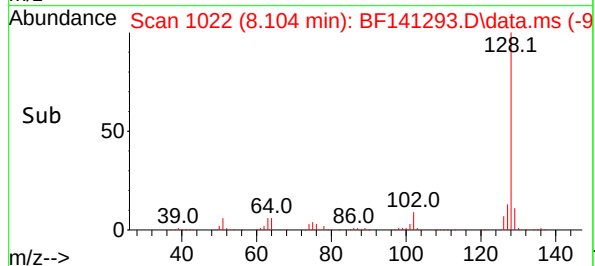
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 60762
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.0 10.6 15.8

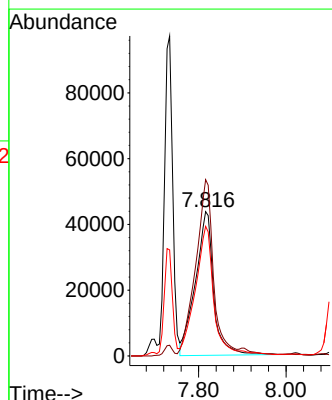
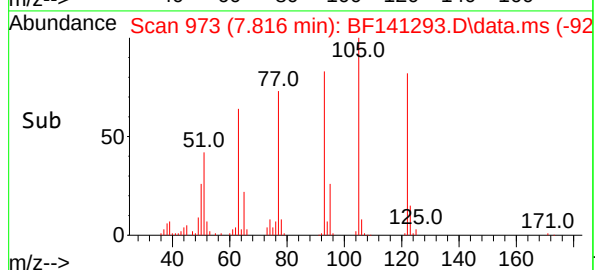
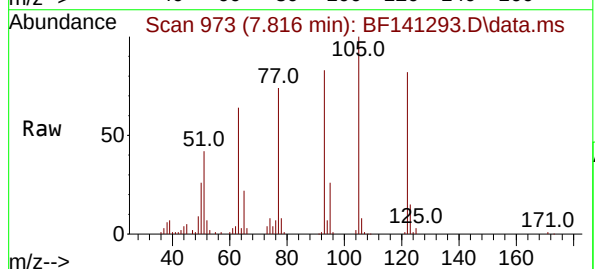
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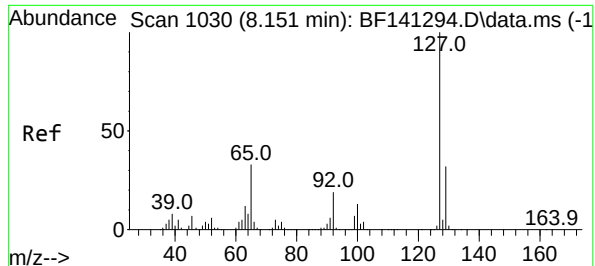
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734
Ion Ratio Lower Upper
122 100
105 122.2 103.4 143.4
77 89.9 70.9 110.9





#33

4-Chloroaniline

Concen: 22.151 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 20853

Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 31.6 26.4 39.6

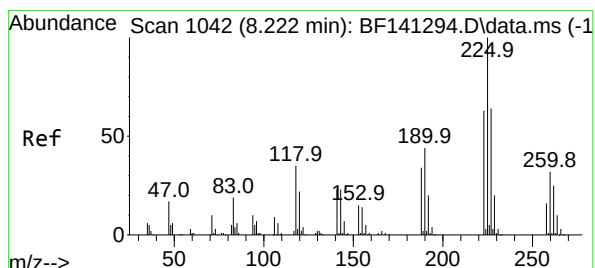
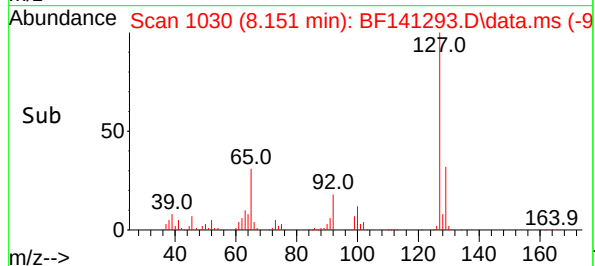
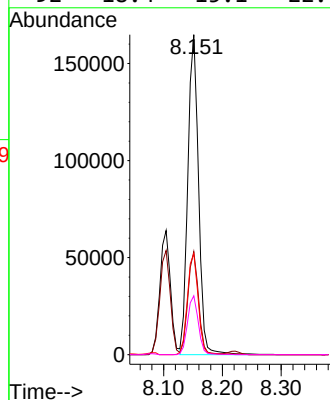
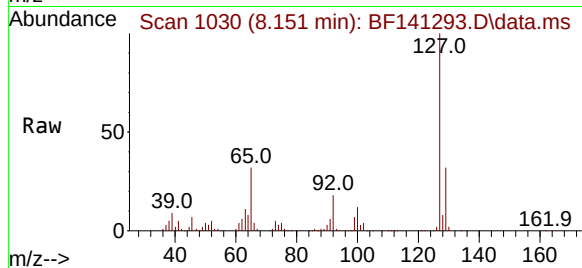
92 18.4 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 21.699 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

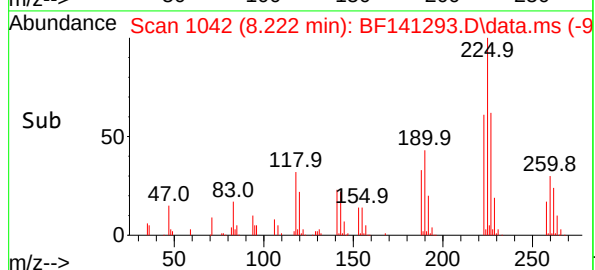
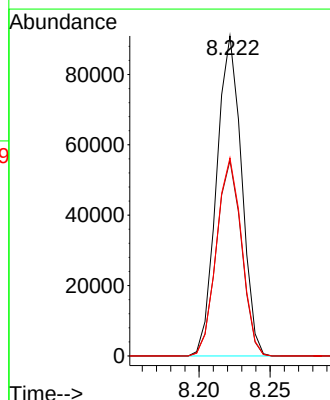
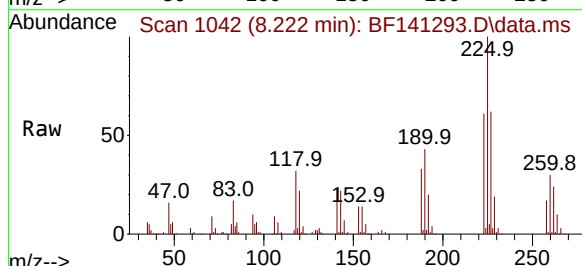
Tgt Ion:225 Resp: 111274

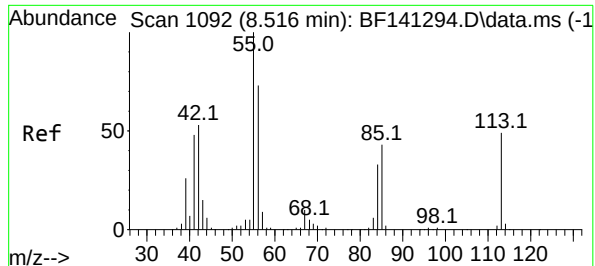
Ion Ratio Lower Upper

225 100

223 61.0 50.4 75.6

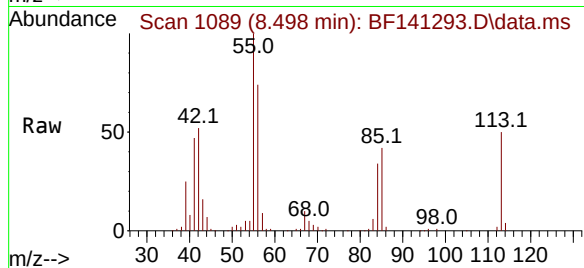
227 61.9 51.3 76.9





#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1092
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

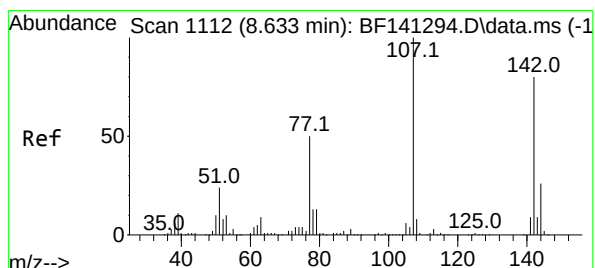
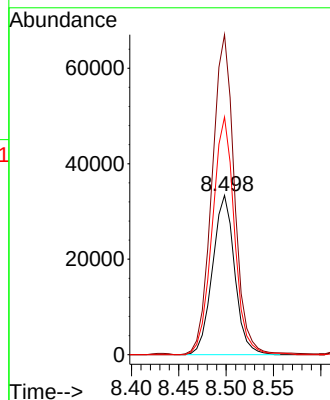
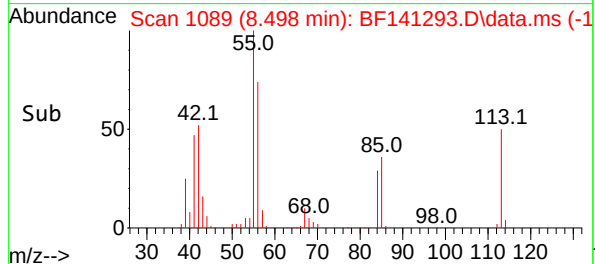
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



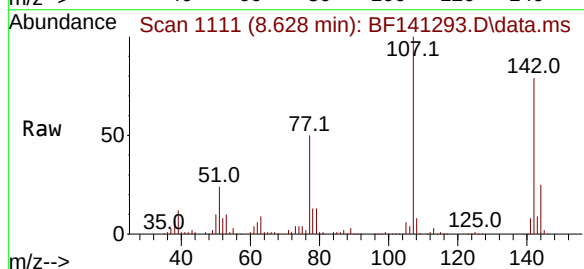
Tgt Ion:113 Resp: 54280
Ion Ratio Lower Upper
113 100
55 200.9 182.9 222.9
56 149.2 127.9 167.9

Manual Integrations
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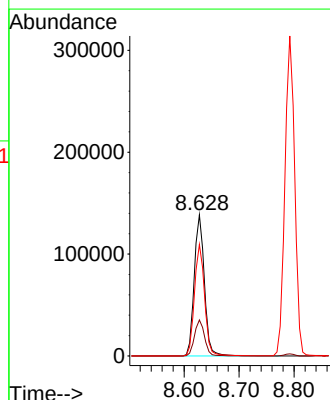
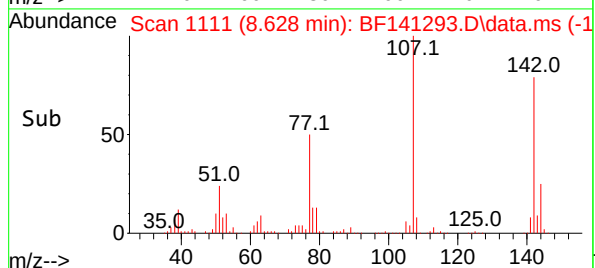
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

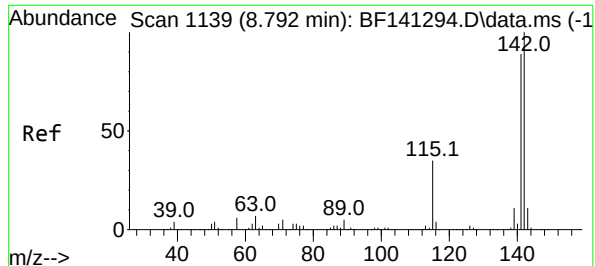


#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:107 Resp: 177981
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 21.630 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 38603

Ion Ratio Lower Upper

142 100

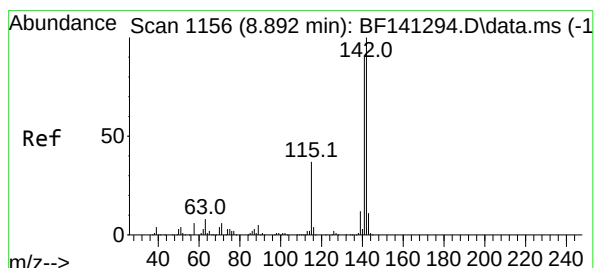
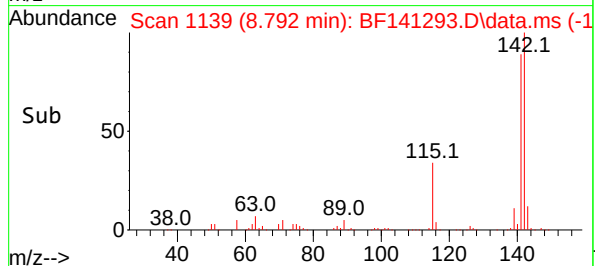
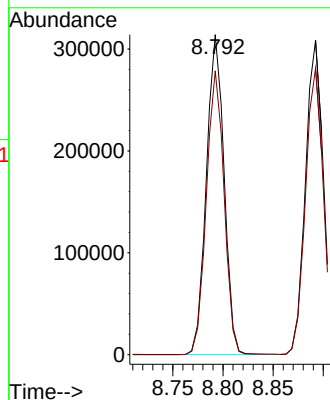
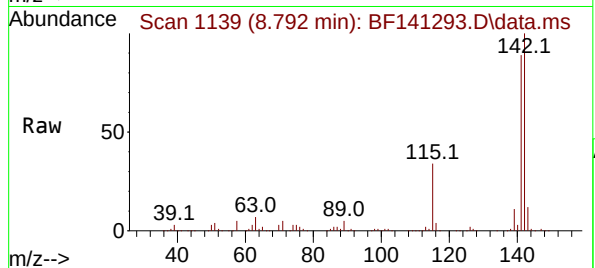
141 88.7 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 21.671 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141293.D

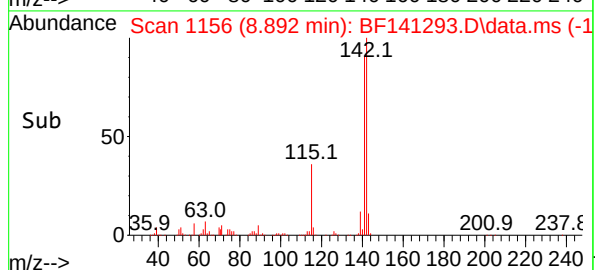
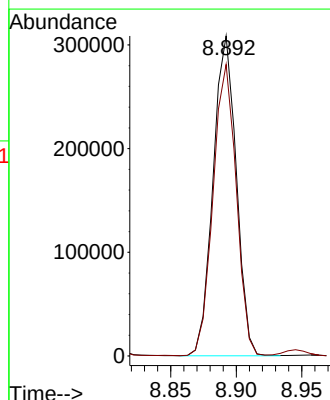
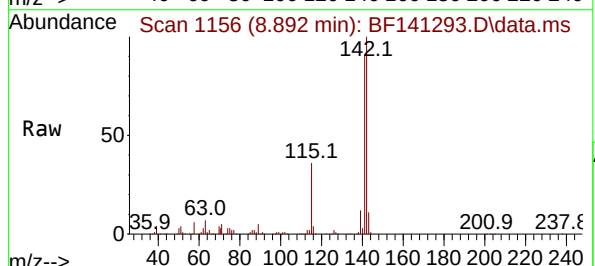
Acq: 29 Jan 2025 15:17

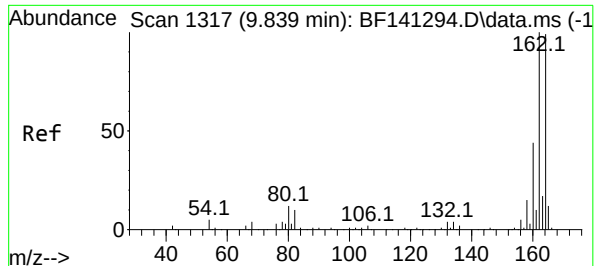
Tgt Ion:142 Resp: 378878

Ion Ratio Lower Upper

142 100

141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

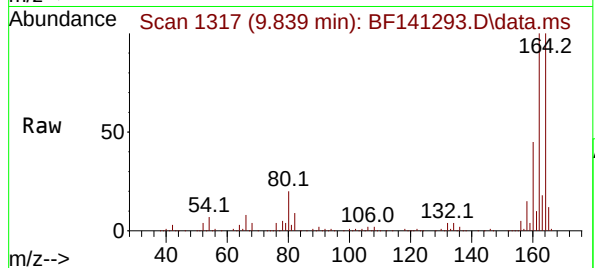
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 293084

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

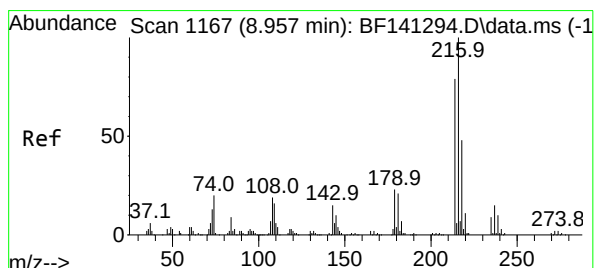
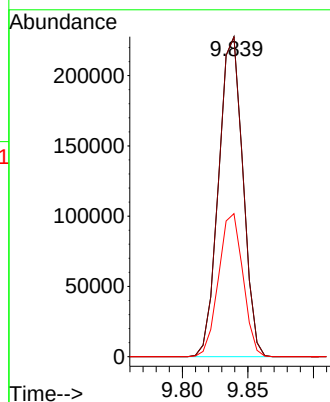
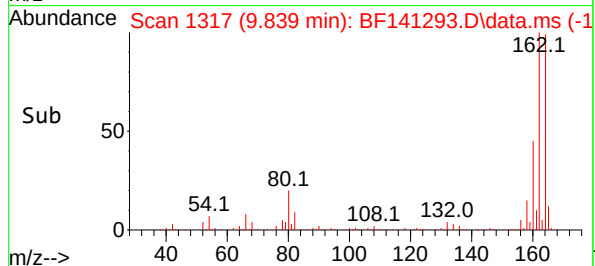
160 44.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.209 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

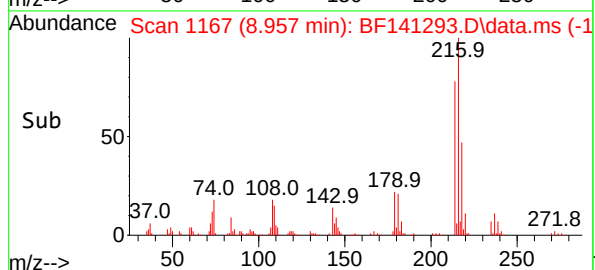
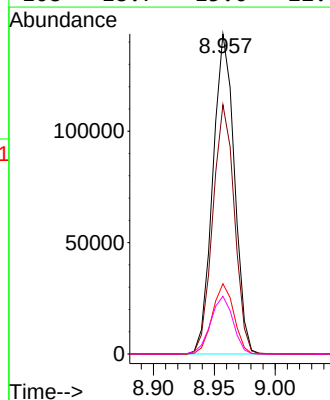
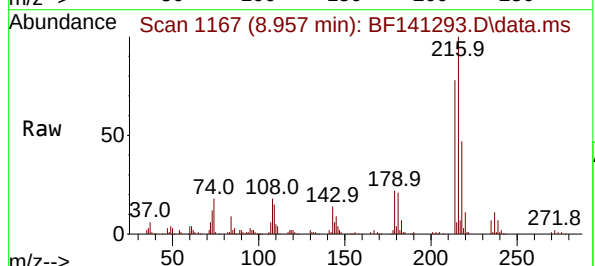
Ion Ratio Lower Upper

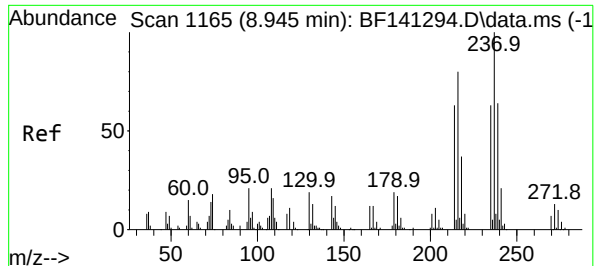
216 100

214 77.9 63.2 94.8

179 21.9 17.8 26.8

108 18.7 15.0 22.6





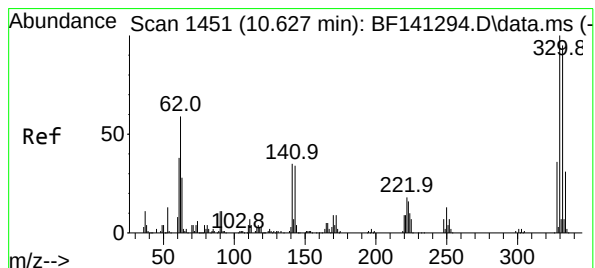
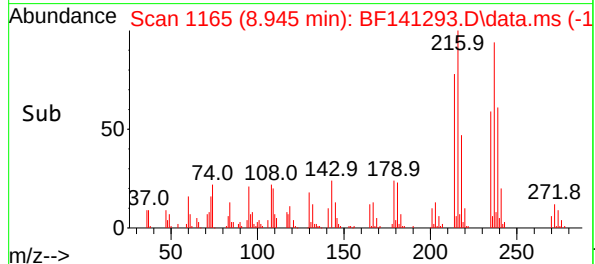
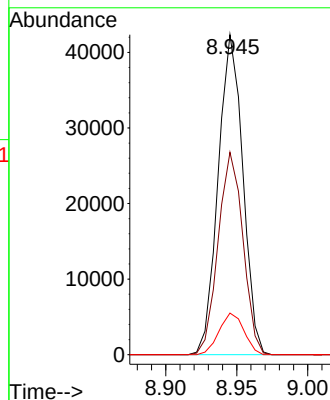
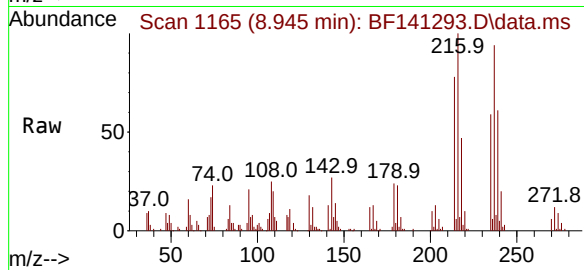
#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 5111
Ion Ratio Lower Upper
237 100
235 63.3 42.9 82.9
272 13.0 0.0 32.8

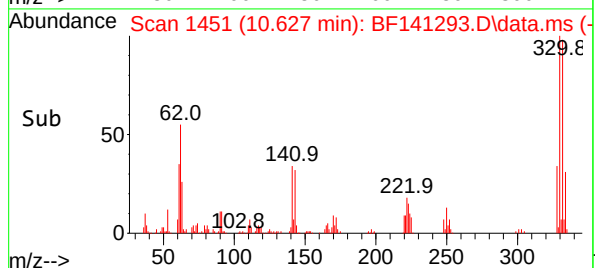
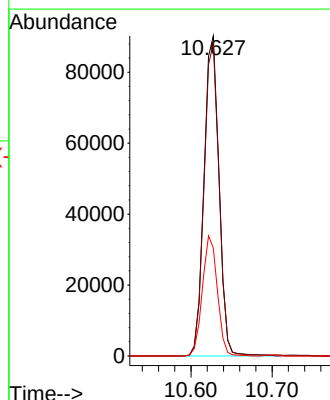
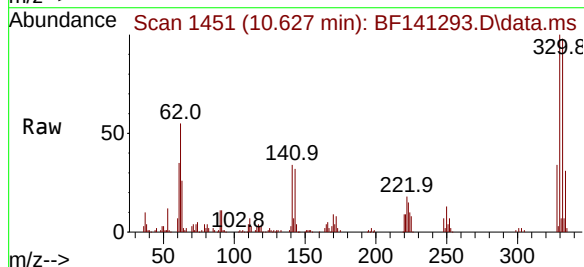
Manual Integrations
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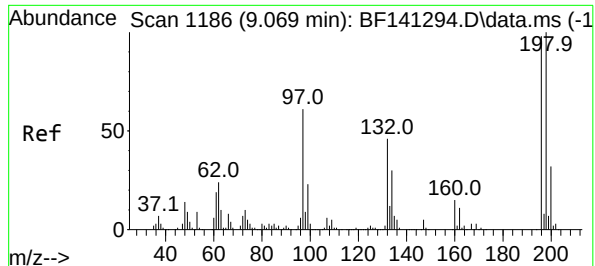
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 37.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 21.029 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141293.D

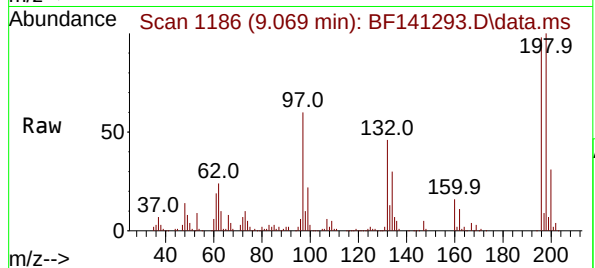
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 114390

Ion Ratio Lower Upper

196 100

198 102.3 81.8 122.6

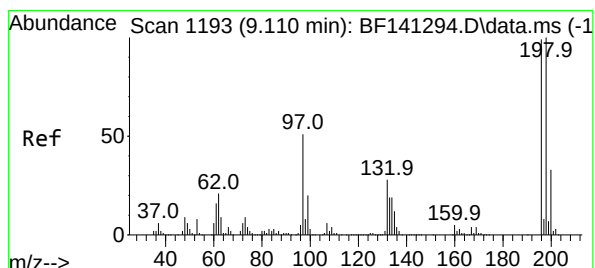
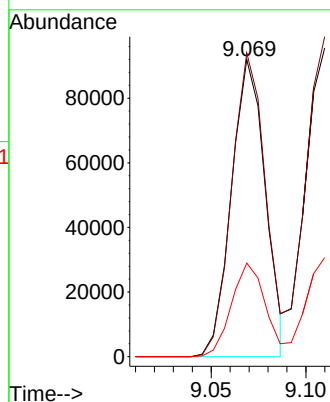
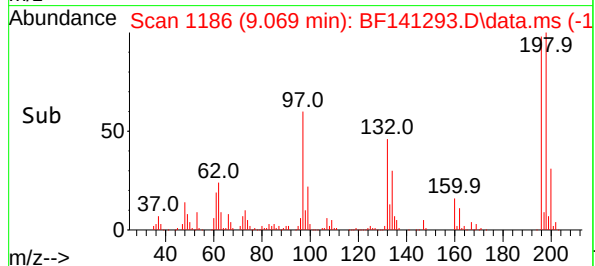
200 31.5 26.3 39.5

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

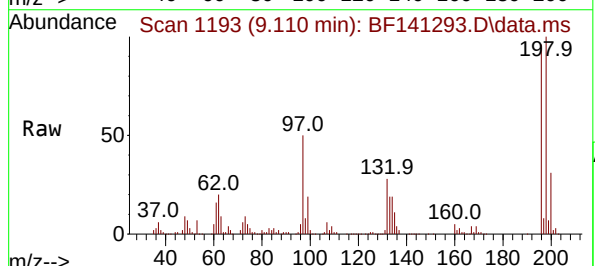
Concen: 21.245 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:196 Resp: 125725

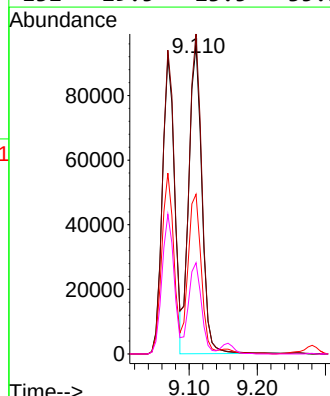
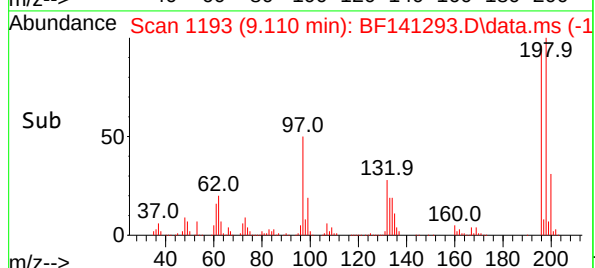
Ion Ratio Lower Upper

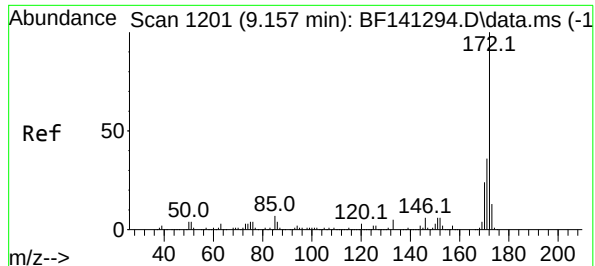
196 100

198 103.7 80.5 120.7

97 51.8 42.8 64.2

132 29.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 43.127 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 81937

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

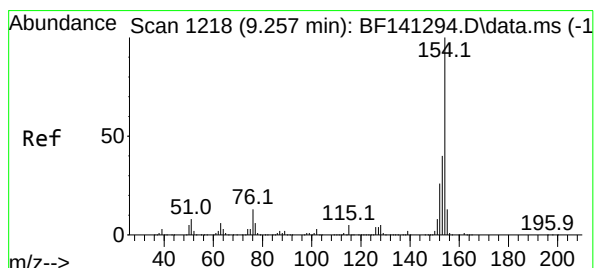
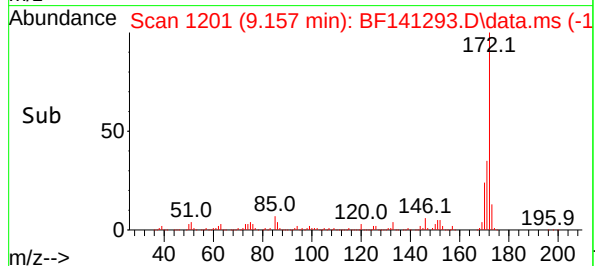
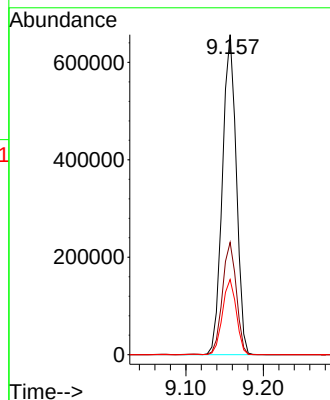
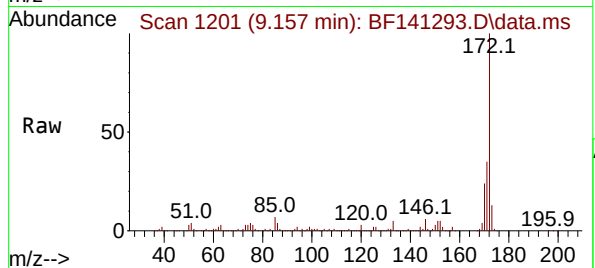
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 21.145 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

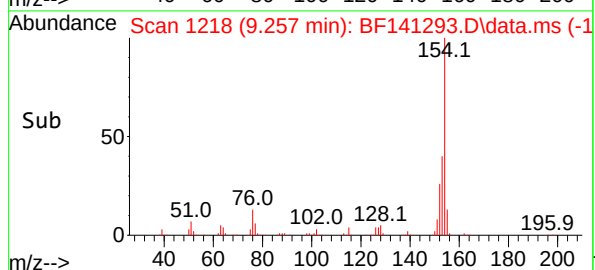
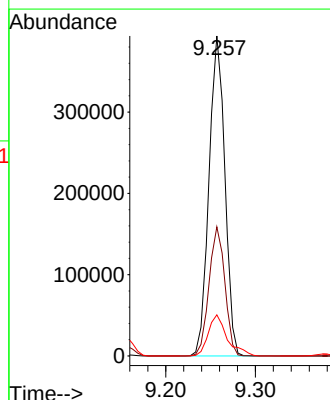
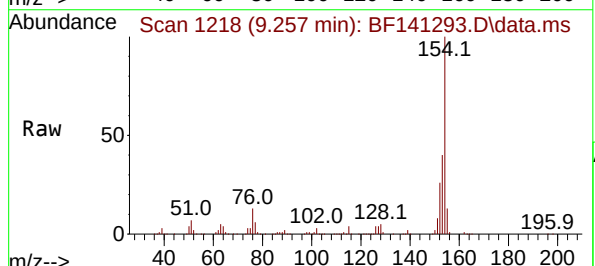
Tgt Ion:154 Resp: 483479

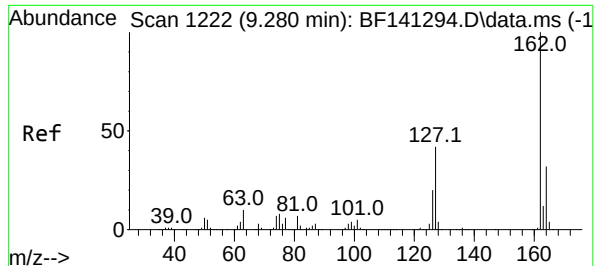
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 21.282 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141293.D

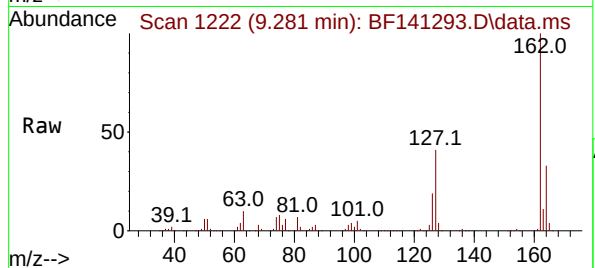
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 377940

Ion Ratio Lower Upper

162 100

127 40.8 33.7 50.5

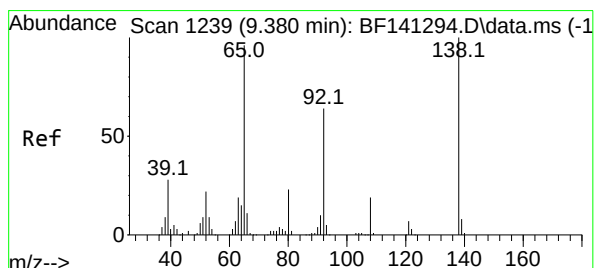
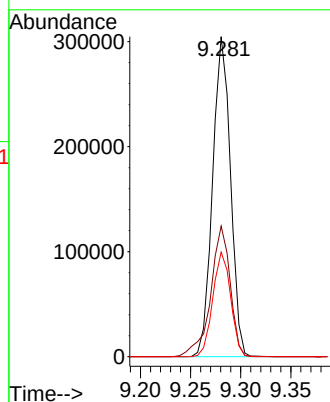
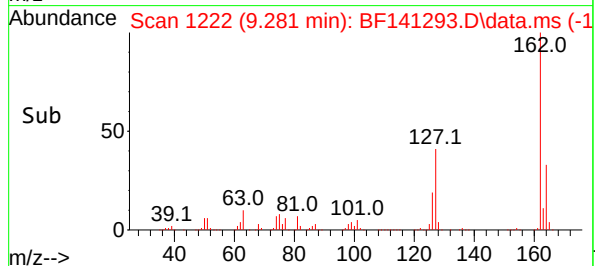
164 32.7 25.9 38.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 21.310 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

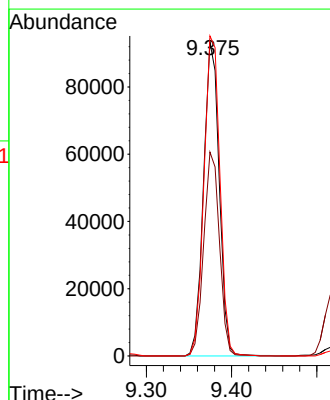
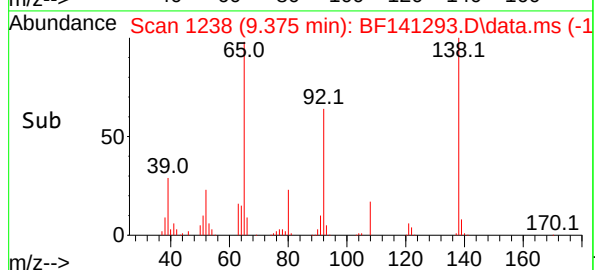
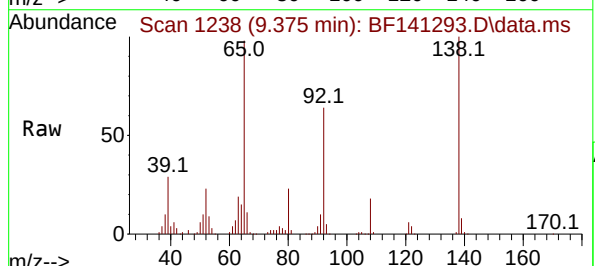
Tgt Ion: 65 Resp: 119359

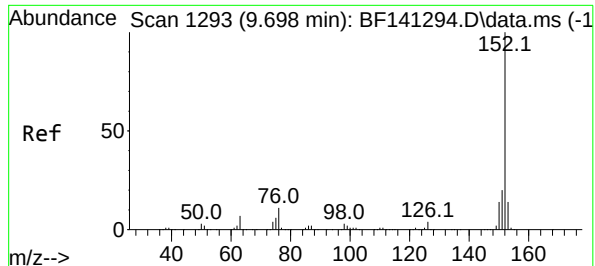
Ion Ratio Lower Upper

65 100

92 64.9 53.3 79.9

138 102.0 83.6 125.4





#49

Acenaphthylene

Concen: 21.328 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141293.D

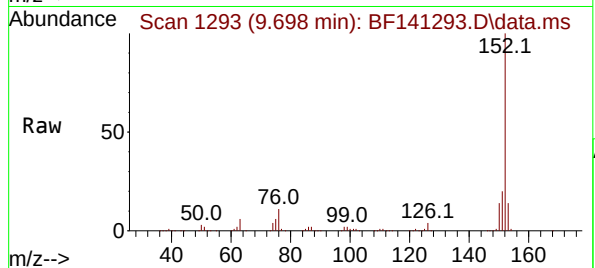
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

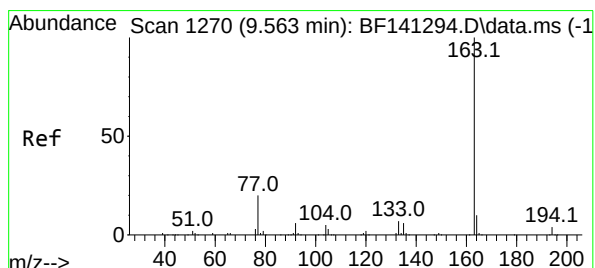
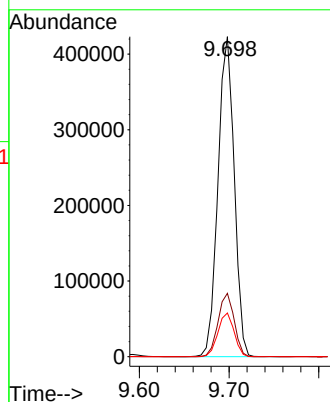
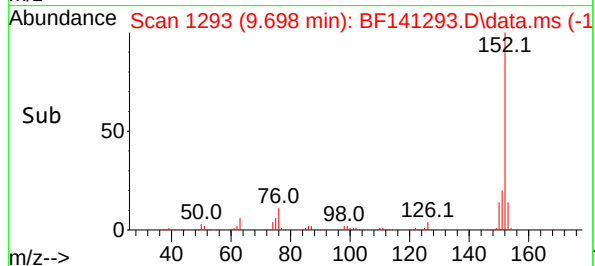


Tgt Ion:	152	Resp:	53195
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.2	24.2
153	13.7	11.0	16.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

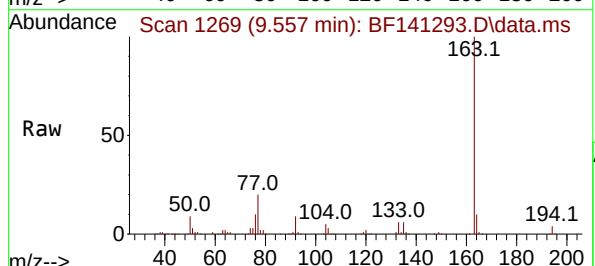
Concen: 21.542 ng

RT: 9.557 min Scan# 1269

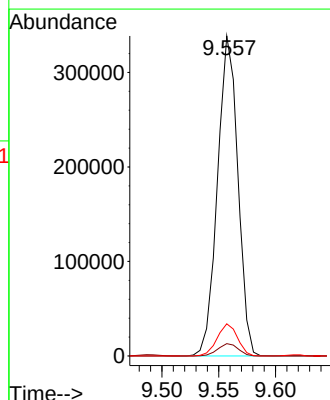
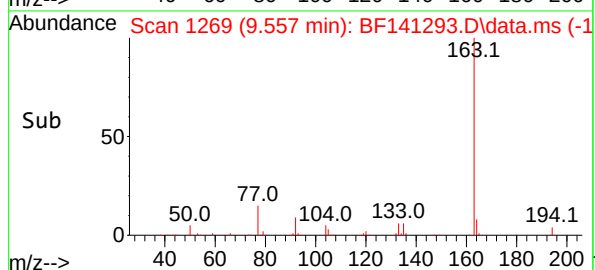
Delta R.T. -0.006 min

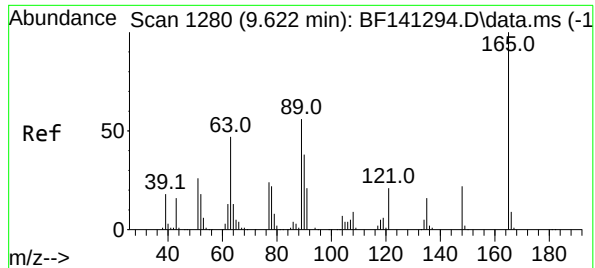
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



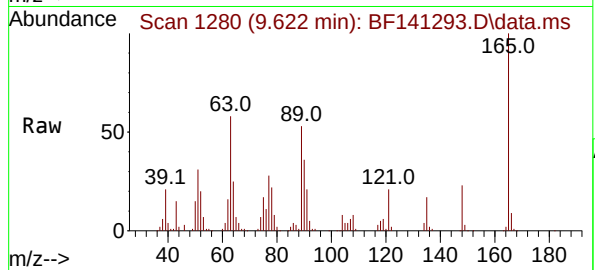
Tgt Ion:	163	Resp:	423377
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

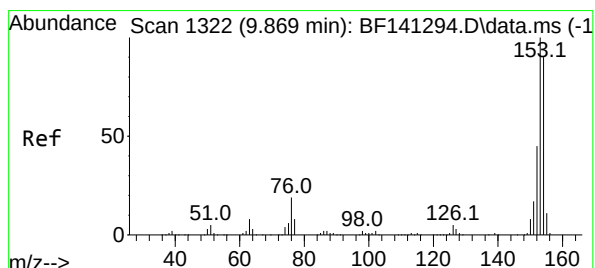
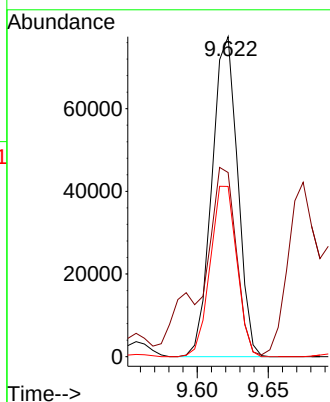
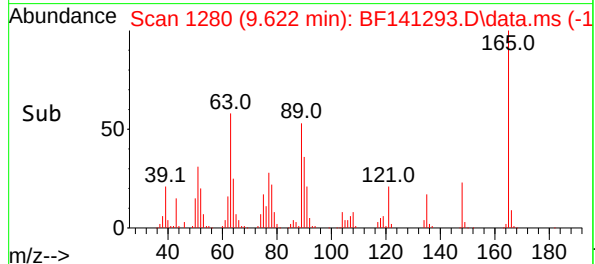
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 9762
Ion Ratio Lower Upper
165 100
63 57.6 48.1 72.1
89 53.2 44.9 67.3

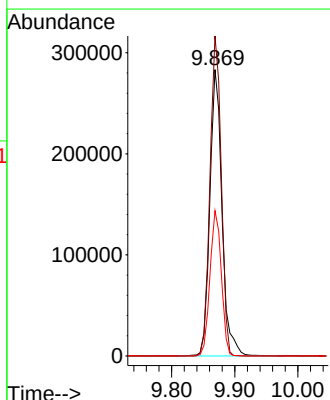
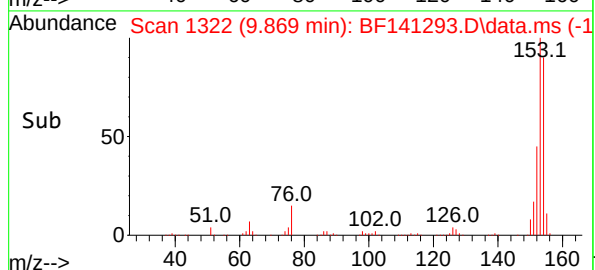
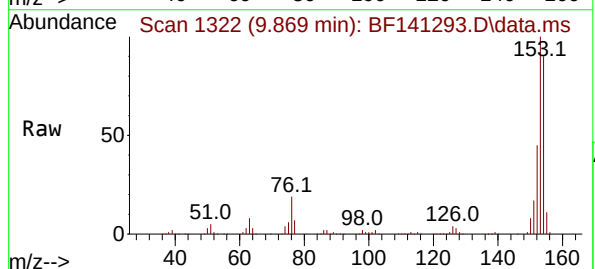
Manual Integrations
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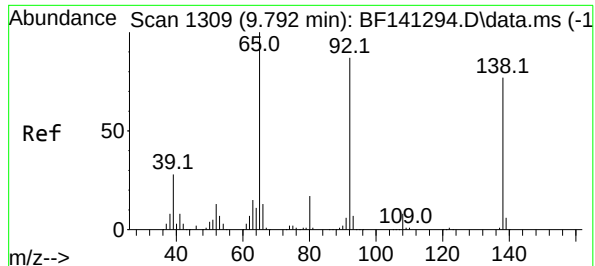
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

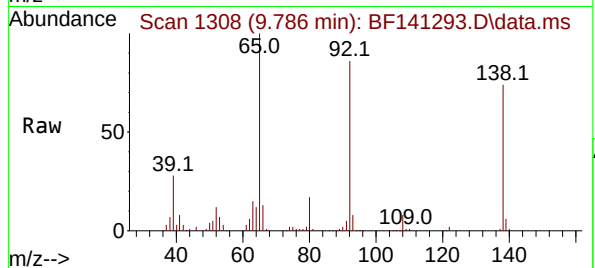
Tgt Ion:154 Resp: 378511
Ion Ratio Lower Upper
154 100
153 111.7 89.0 133.4
152 50.7 40.2 60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

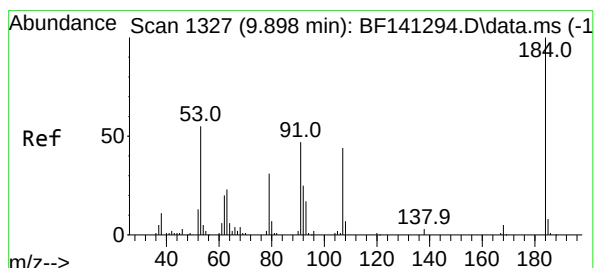
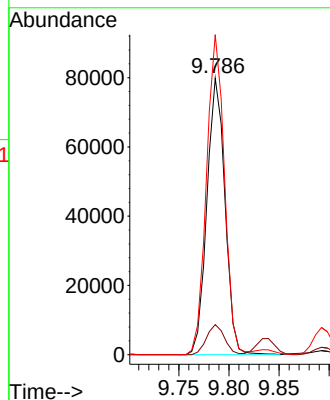
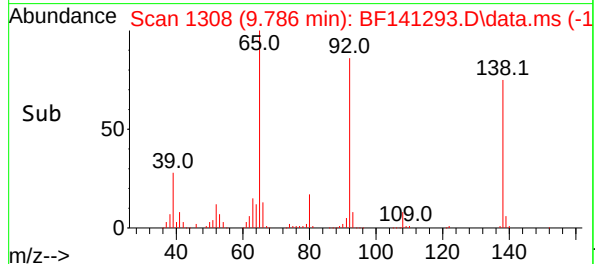
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 100085
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 115.8 91.0 136.6

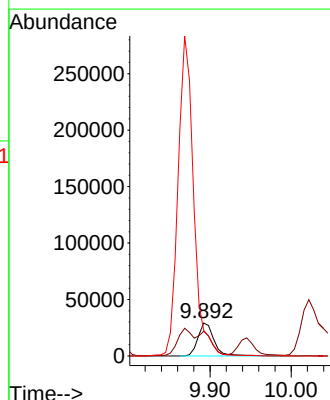
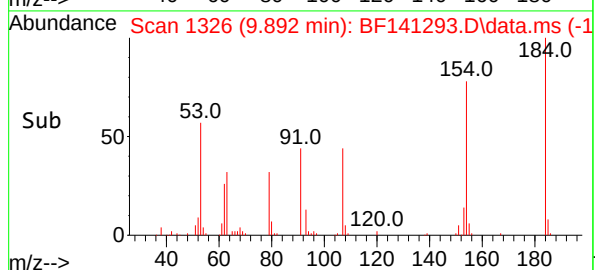
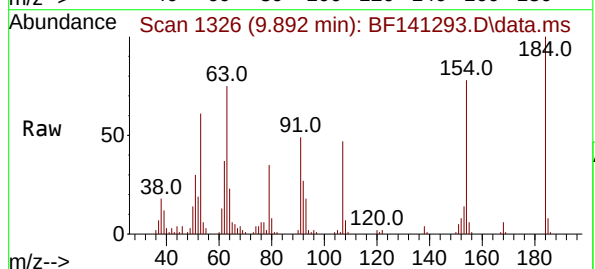
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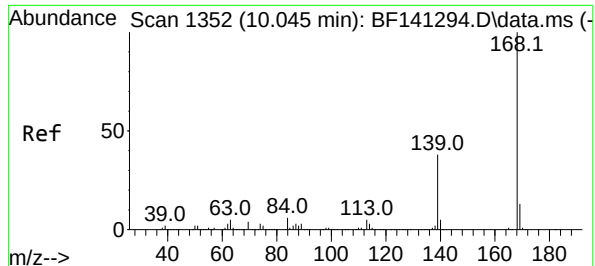
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003
Ion Ratio Lower Upper
184 100
63 75.1 54.1 81.1
154 78.0 50.7 76.1#





#55

Dibenzenofuran

Concen: 21.665 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 51422

Ion Ratio Lower Upper

168 100

139 38.7 30.6 46.0

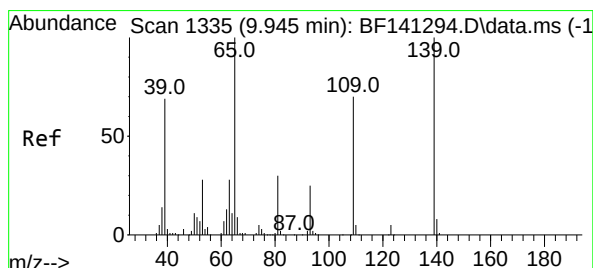
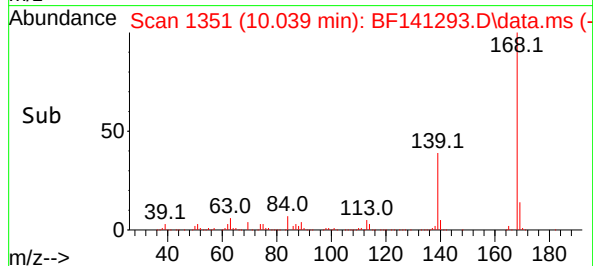
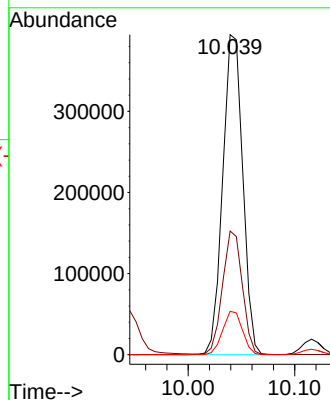
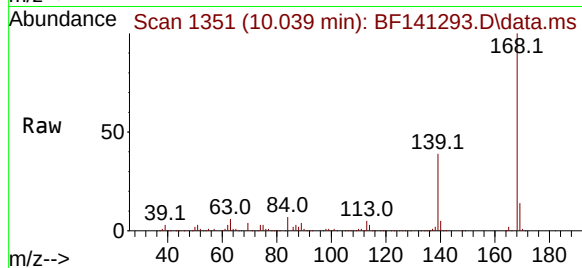
169 13.5 10.8 16.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 22.607 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

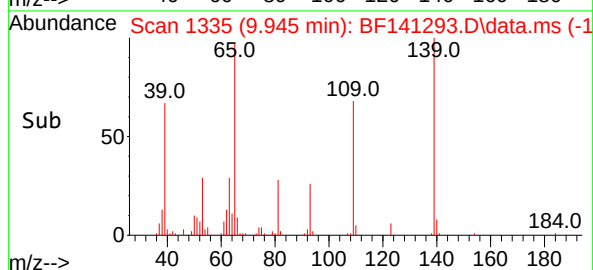
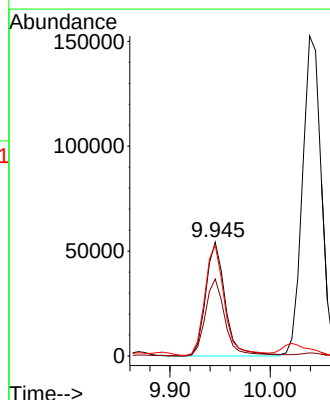
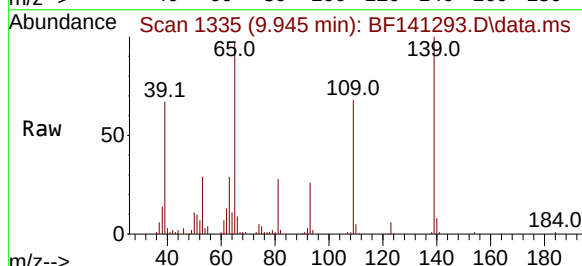
Tgt Ion:139 Resp: 73425

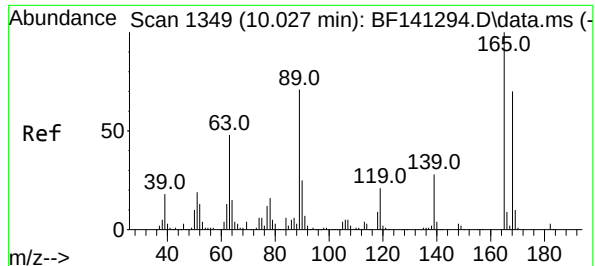
Ion Ratio Lower Upper

139 100

109 67.7 50.2 90.2

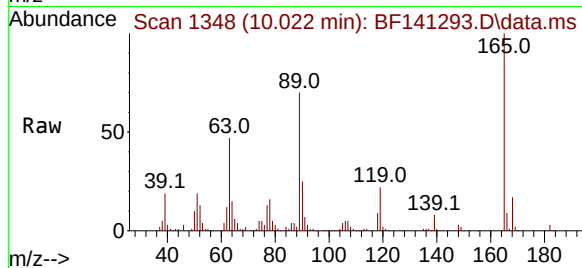
65 97.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

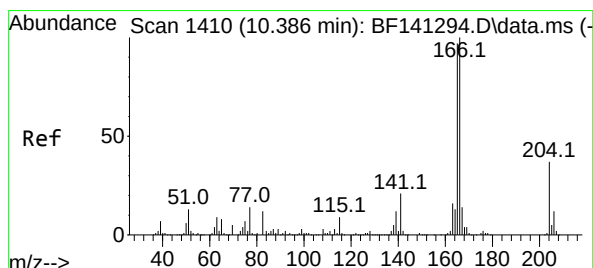
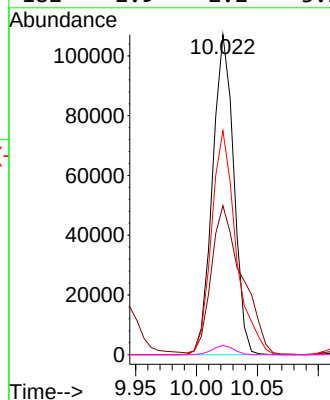
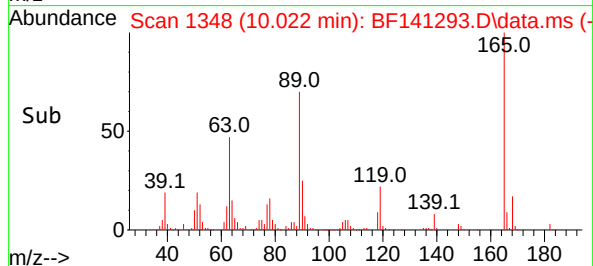
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 46.6 39.2 58.8
89 70.0 56.9 85.3
182 2.9 2.2 3.2

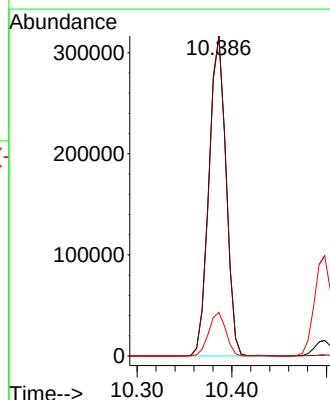
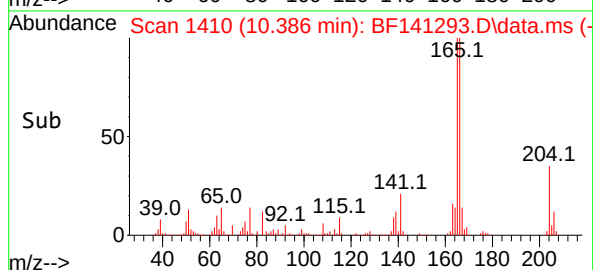
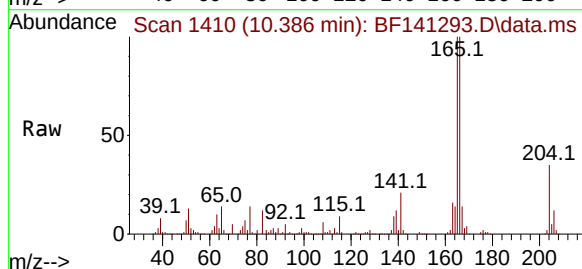
Manual Integrations
APPROVED

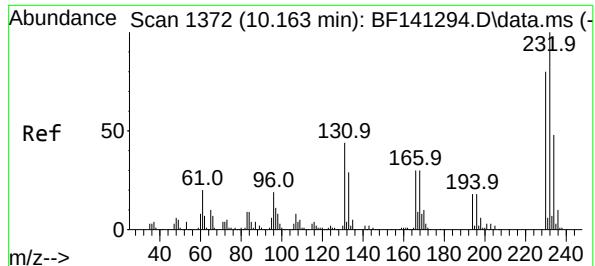
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

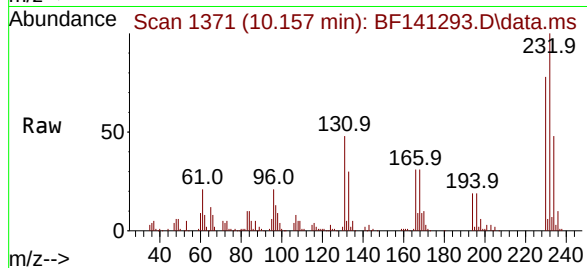
Tgt Ion:166 Resp: 396520
Ion Ratio Lower Upper
166 100
165 99.5 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

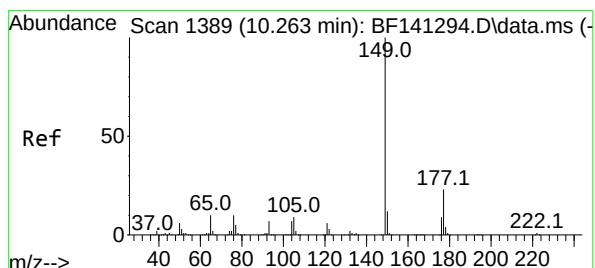
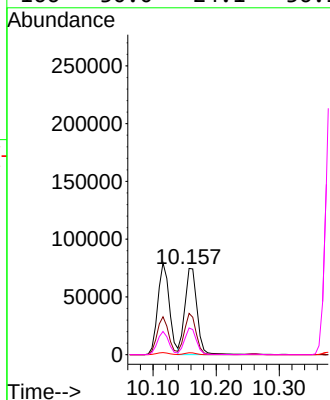
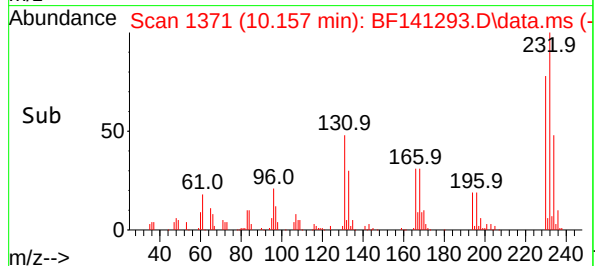
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 9984
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 30.0 24.1 36.1

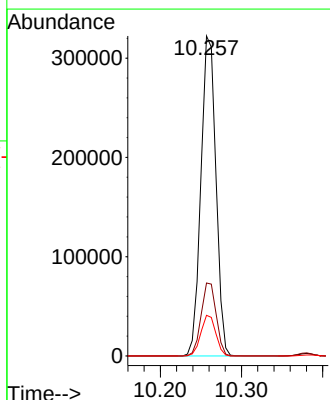
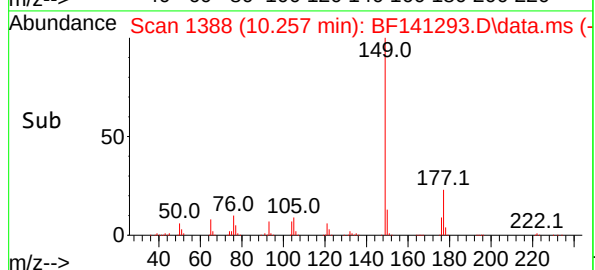
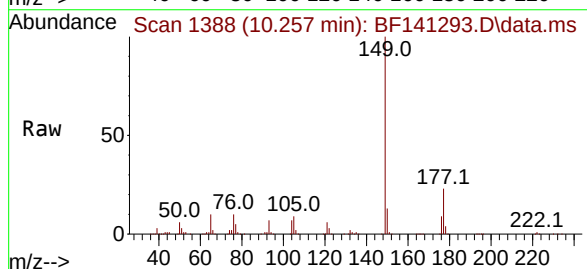
Manual Integrations
APPROVED

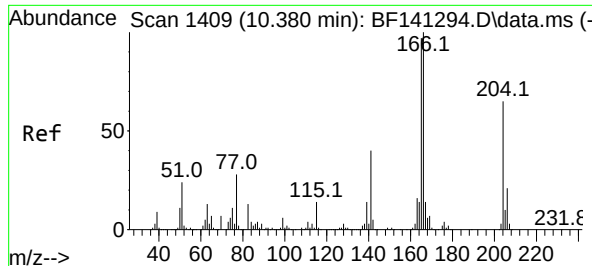
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

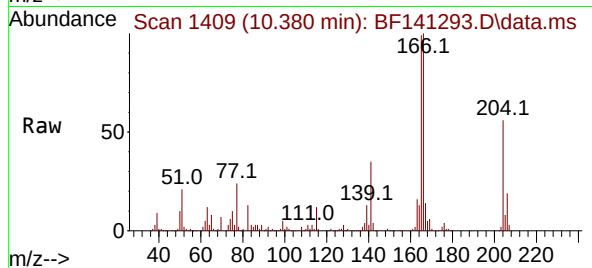
Tgt Ion:149 Resp: 413889
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

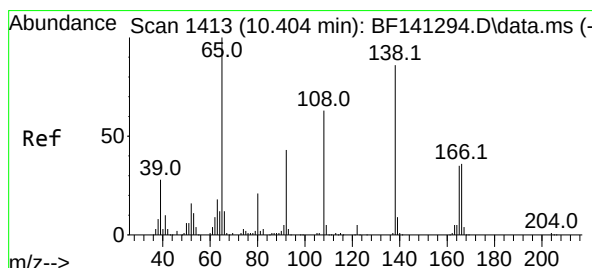
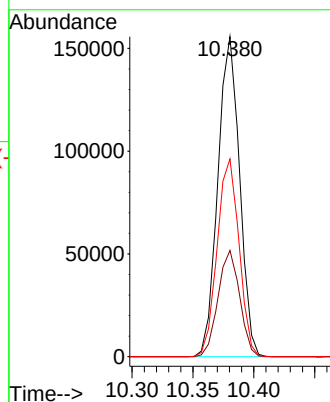
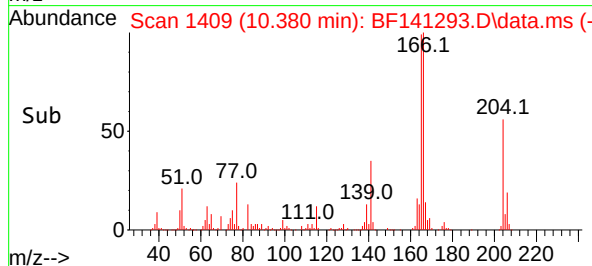
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 193134
Ion Ratio Lower Upper
204 100
206 33.2 25.9 38.9
141 61.8 49.5 74.3

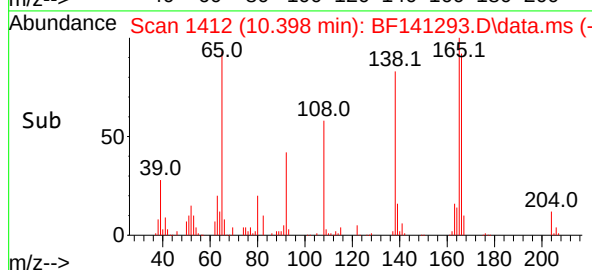
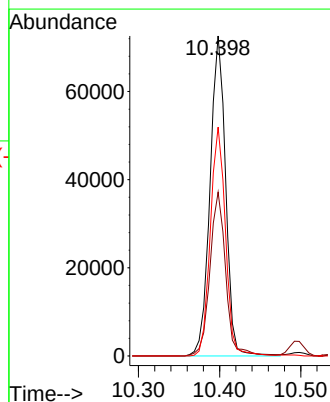
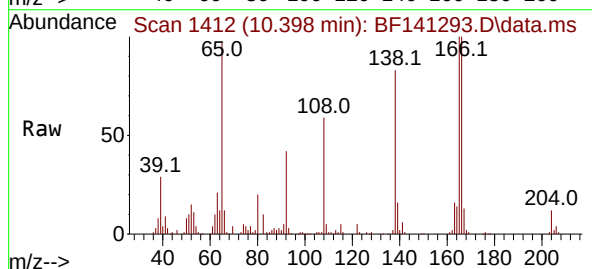
Manual Integrations
APPROVED

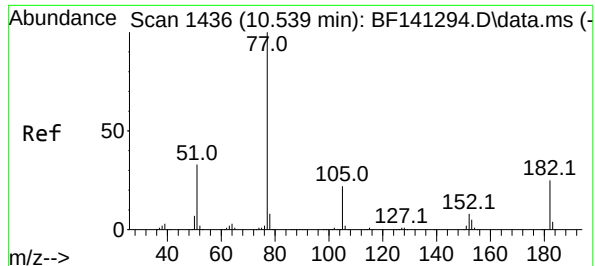
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

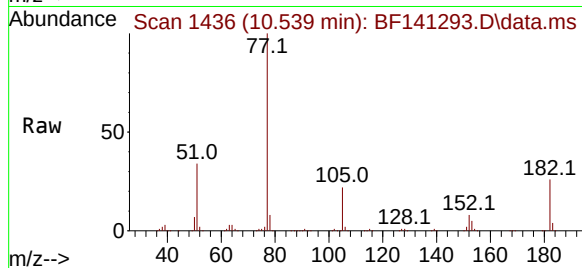
Tgt Ion:138 Resp: 96692
Ion Ratio Lower Upper
138 100
92 51.2 30.1 70.1
108 71.5 53.1 93.1





#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

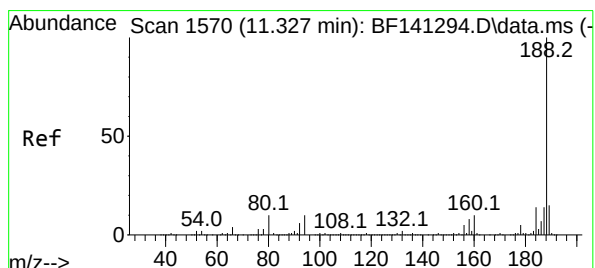
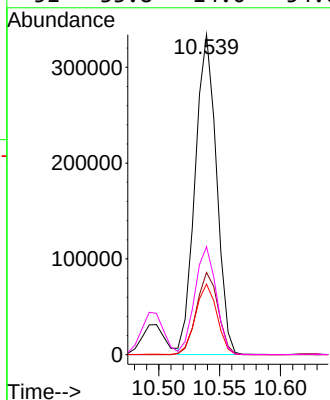
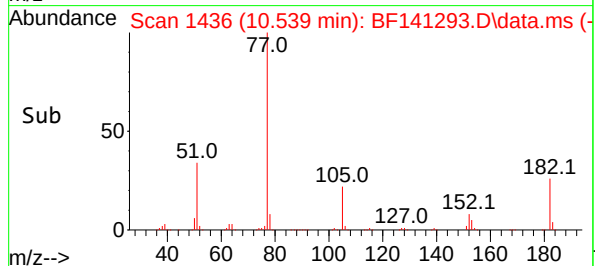
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



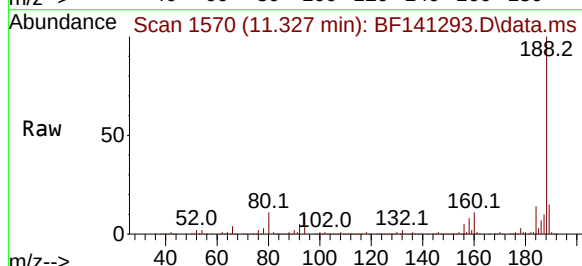
Tgt Ion: 77 Resp: 407492
Ion Ratio Lower Upper
77 100
182 25.7 5.1 45.1
105 22.1 1.8 41.8
51 33.8 14.0 54.0

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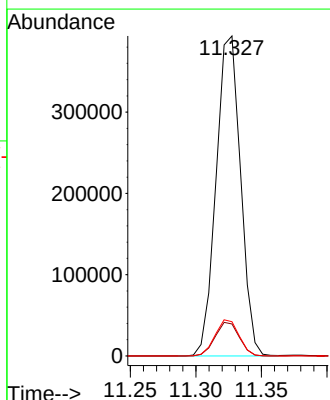
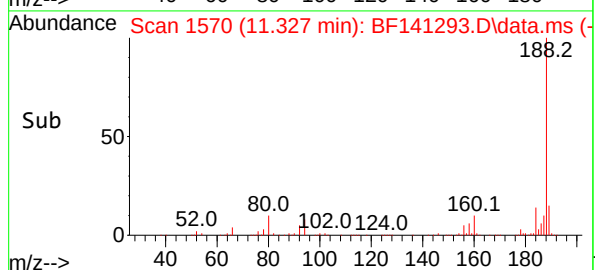
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

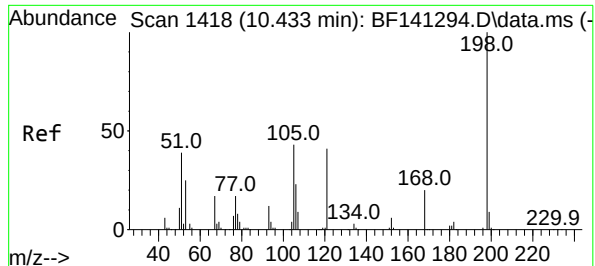


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:188 Resp: 511320
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.7 8.2 12.4





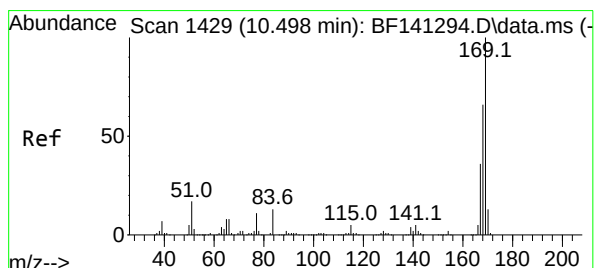
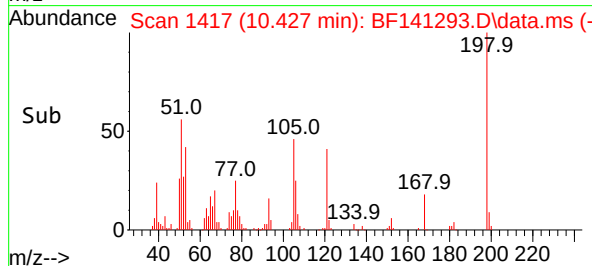
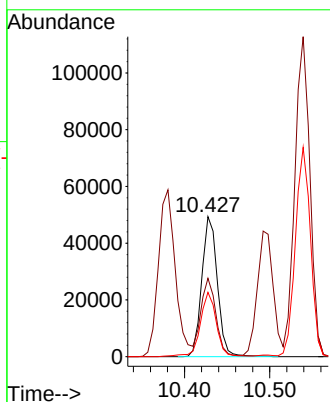
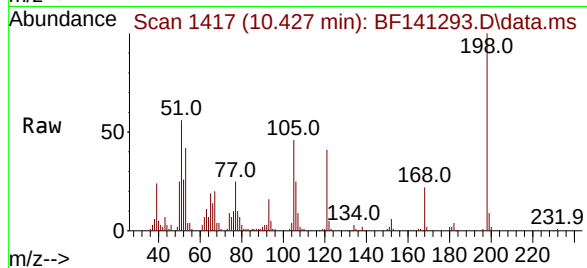
#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 62572
Ion Ratio Lower Upper
198 100
51 56.0 33.4 73.4
105 45.9 24.4 64.4

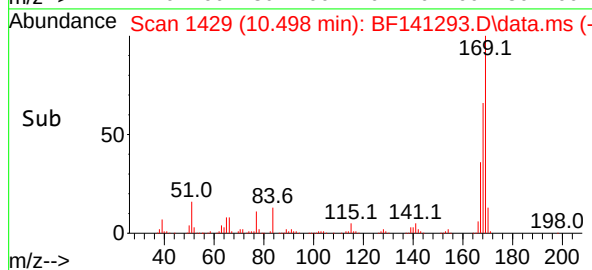
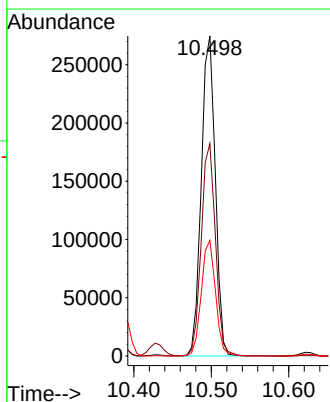
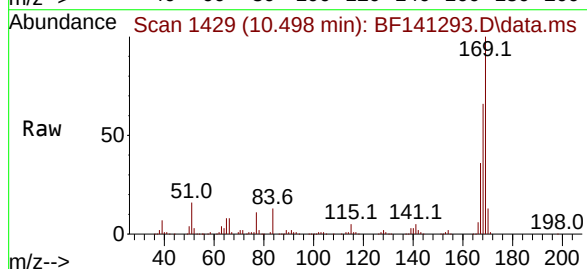
Manual Integrations
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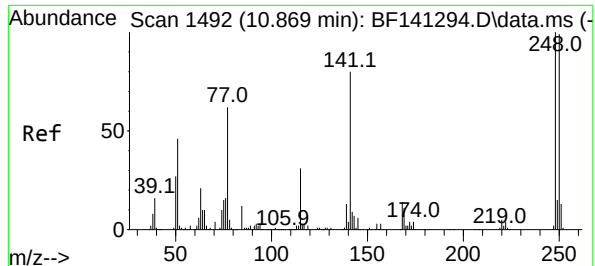
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

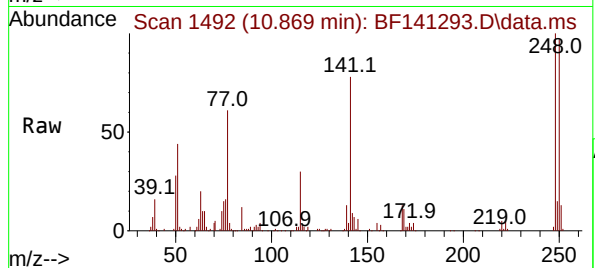
Tgt Ion:169 Resp: 344387
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

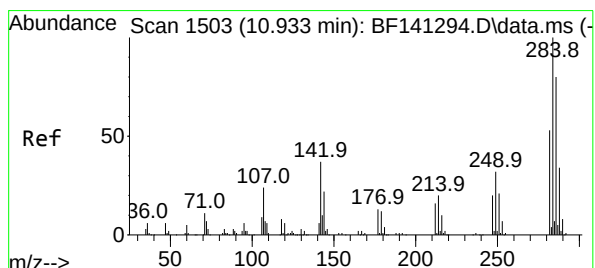
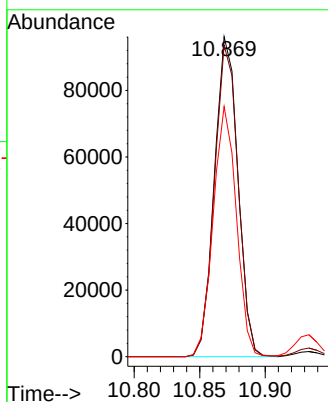
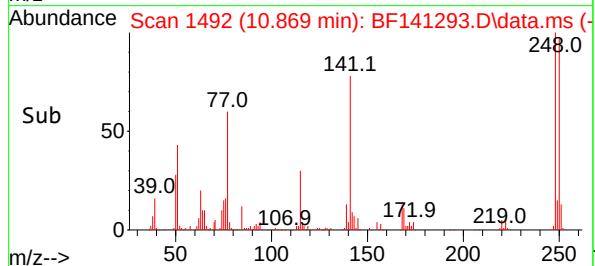
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:248 Resp: 119844
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.1 63.7 95.5

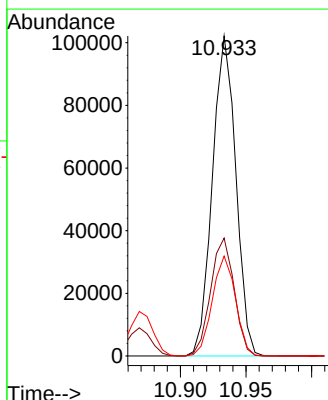
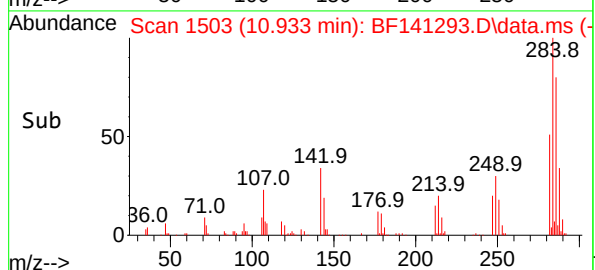
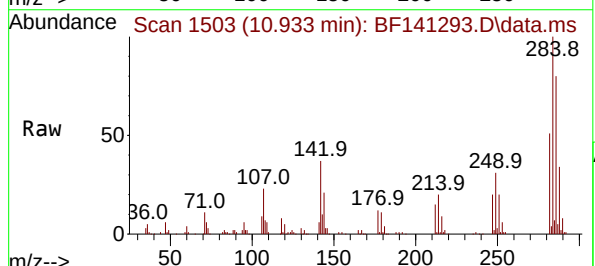
Manual Integrations
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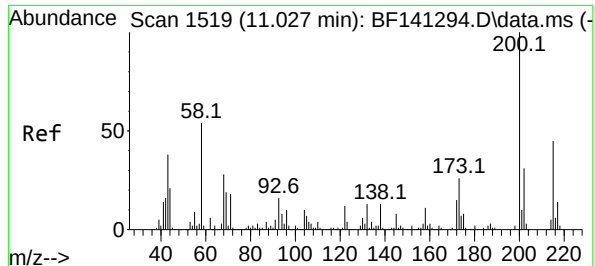
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

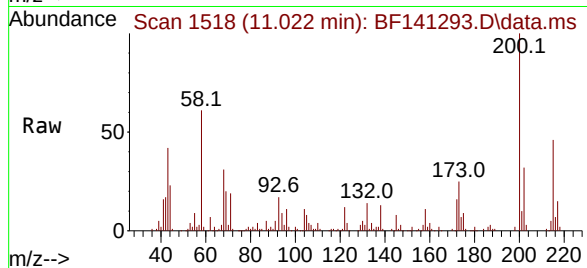
Tgt Ion:284 Resp: 126823
Ion Ratio Lower Upper
284 100
142 36.8 29.5 44.3
249 31.2 25.4 38.2





#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

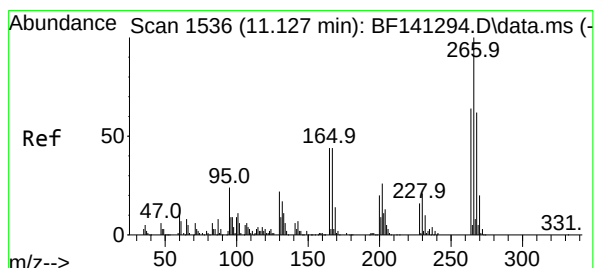
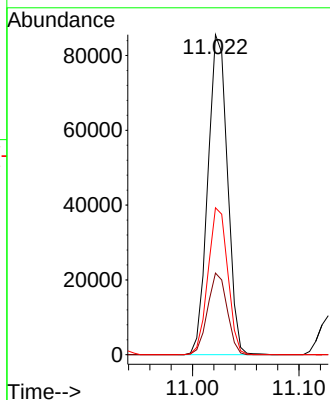
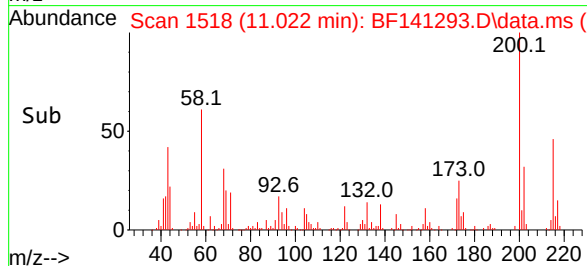
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:200 Resp: 10913
Ion Ratio Lower Upper
200 100
173 25.5 5.9 45.9
215 45.9 25.2 65.2

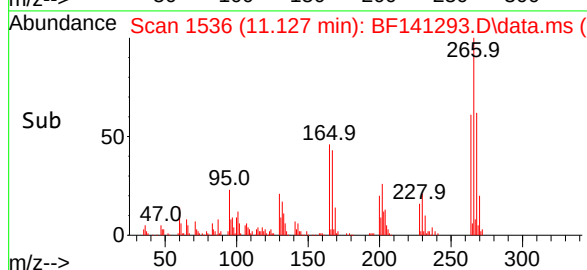
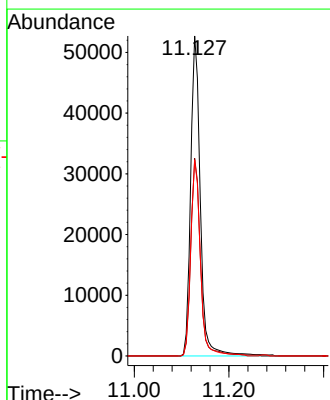
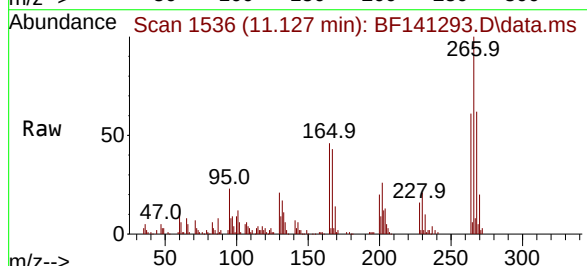
Manual Integrations
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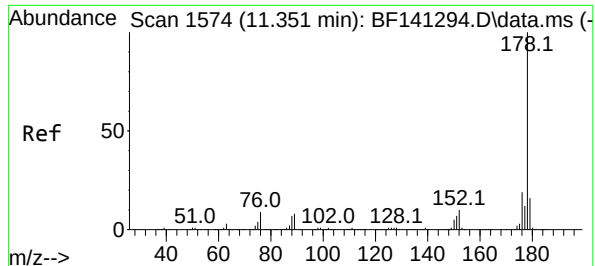
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

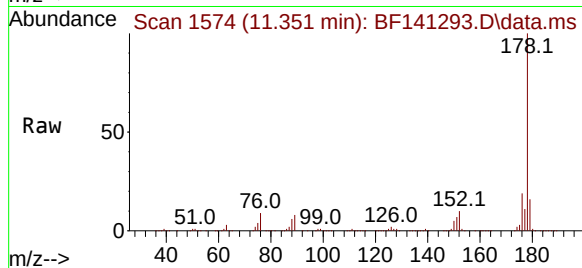
Tgt Ion:266 Resp: 74508
Ion Ratio Lower Upper
266 100
268 61.8 49.9 74.9
264 61.2 51.0 76.4





#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

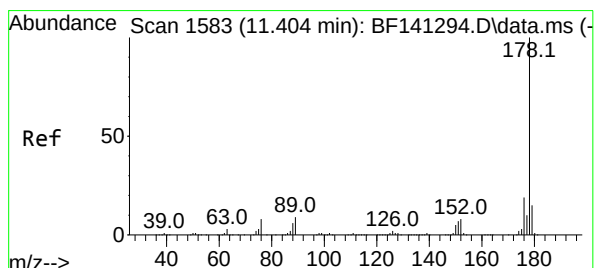
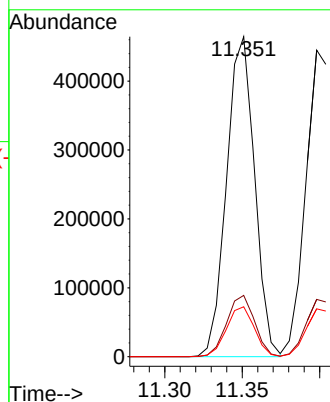
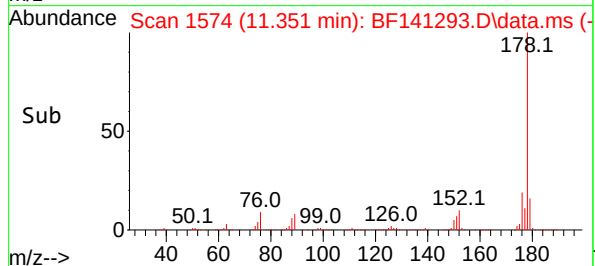
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 58402
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

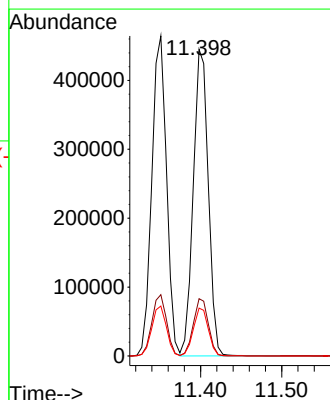
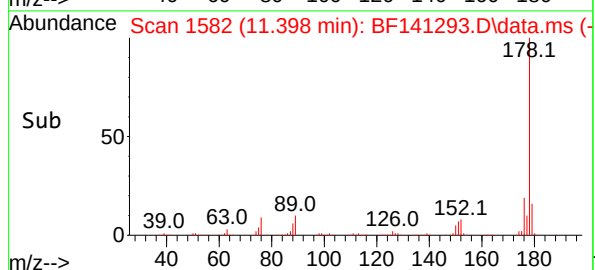
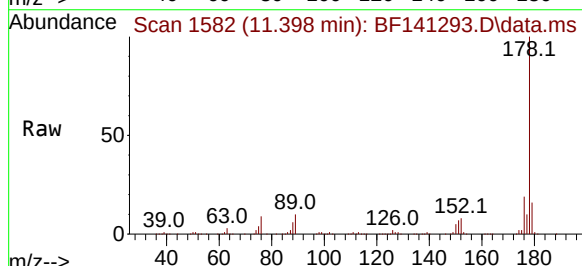
Manual Integrations
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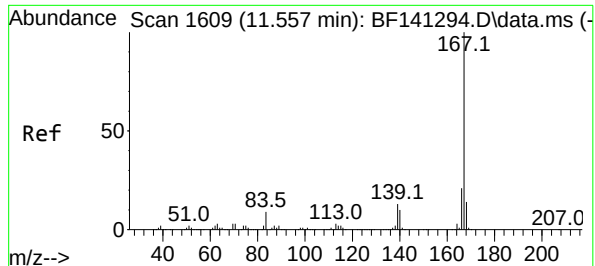
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

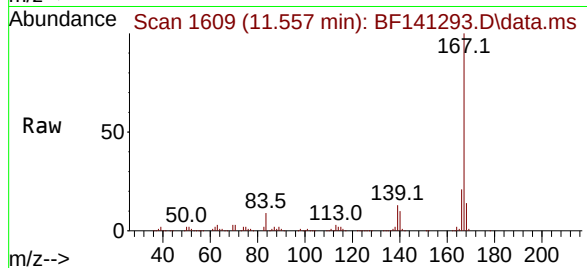
Tgt Ion:178 Resp: 572743
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

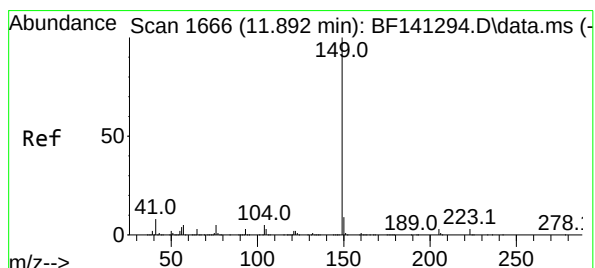
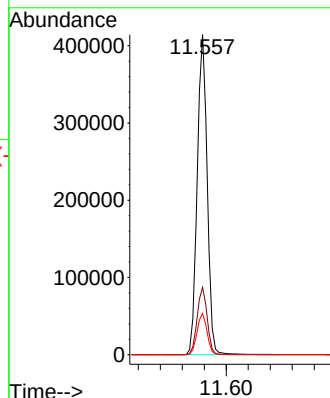
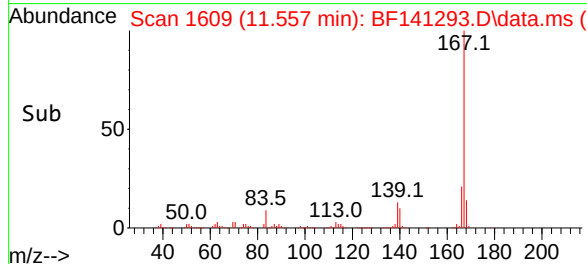
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



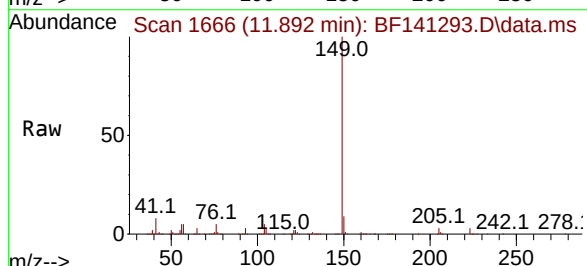
Tgt Ion:167 Resp: 522100
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.9 10.6 16.0

Manual Integrations
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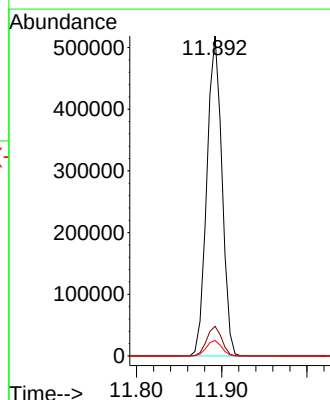
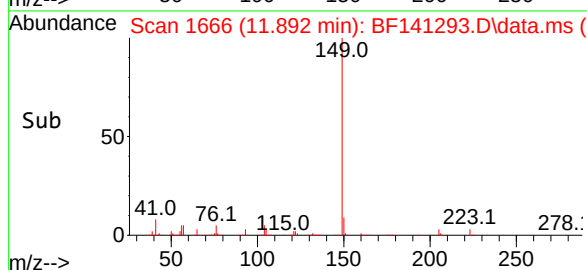
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

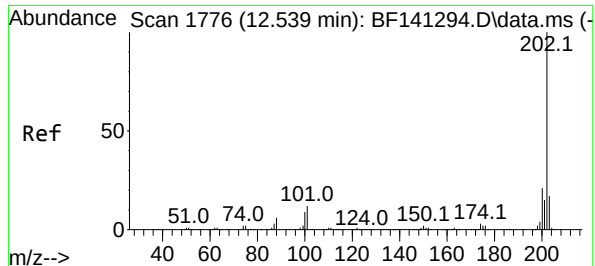


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



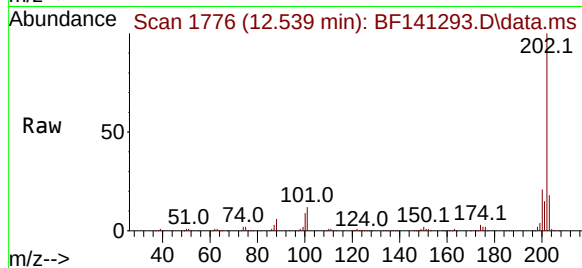
Tgt Ion:149 Resp: 636521
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.9 5.9





#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

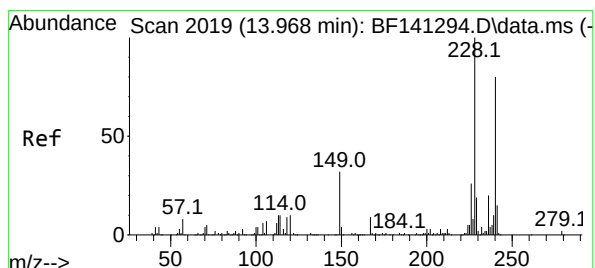
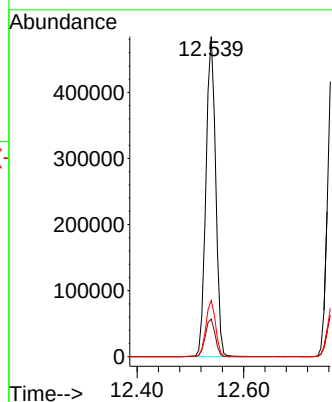
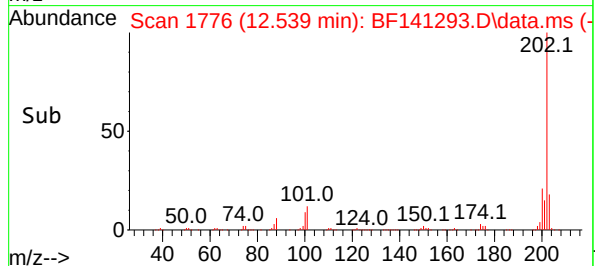
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



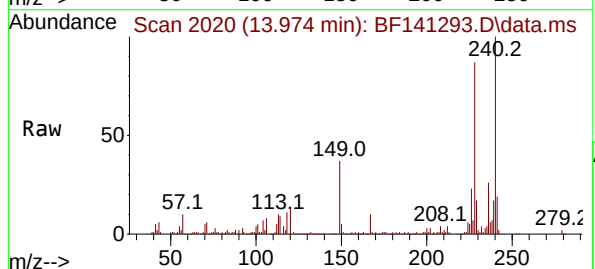
Tgt Ion:202 Resp: 611492
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.5 0.0 37.5

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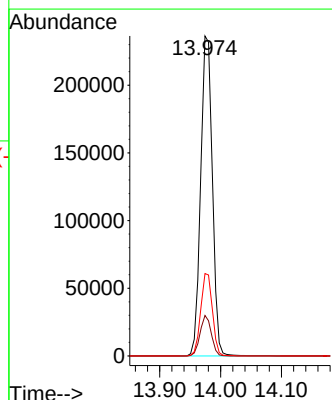
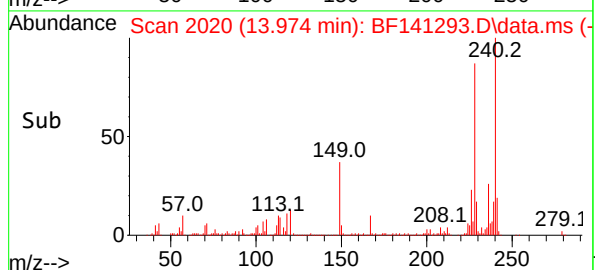
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

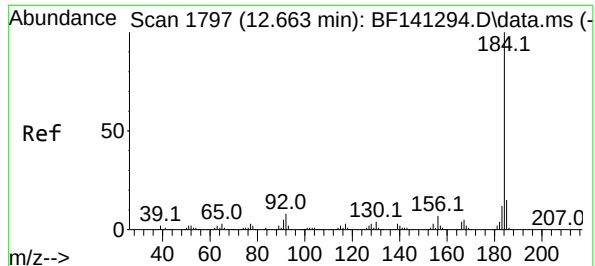


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



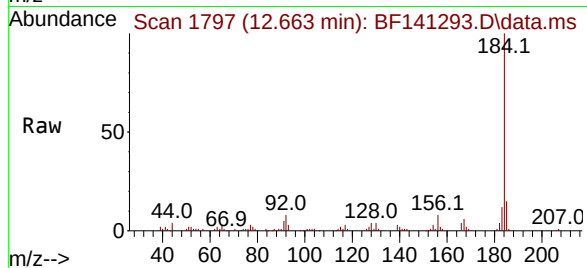
Tgt Ion:240 Resp: 314234
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 25.8 19.7 29.5





#77
Benzidine
Concen: 6.904 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

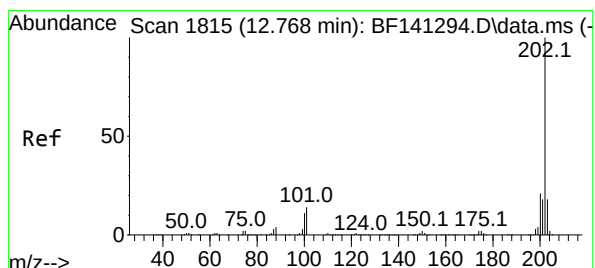
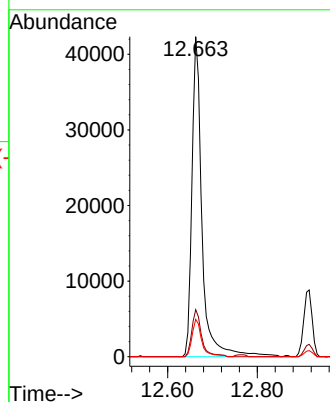
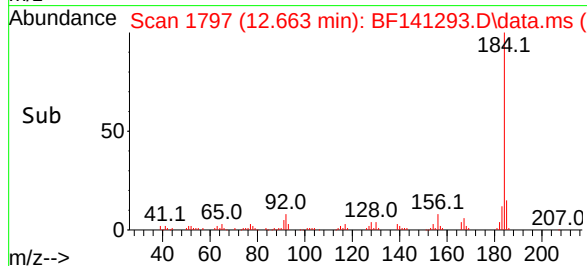
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



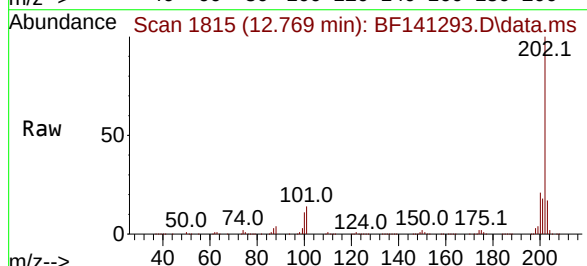
Tgt Ion:184 Resp: 65963
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 11.7 9.5 14.3

Manual Integrations
APPROVED

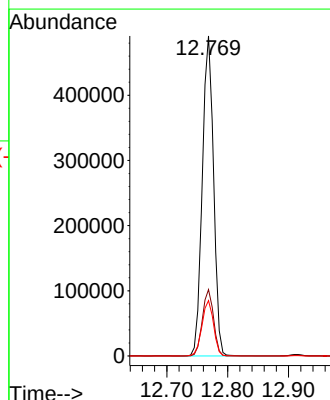
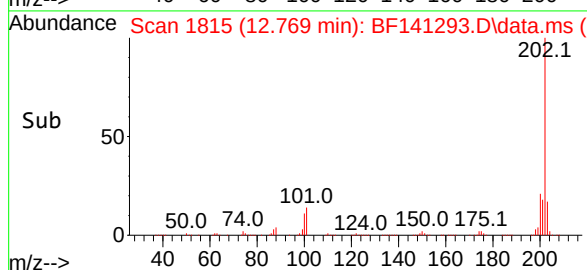
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

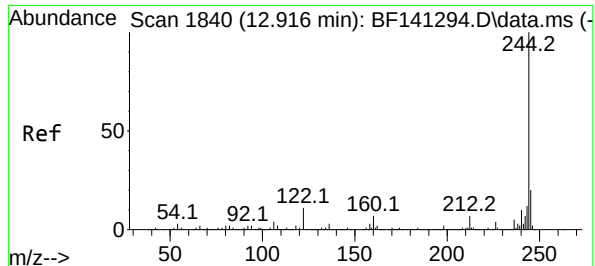


#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



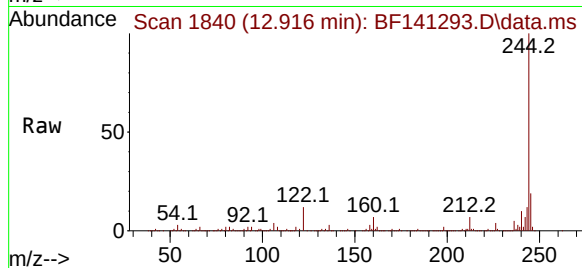
Tgt Ion:202 Resp: 629228
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.3 14.3 21.5





#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

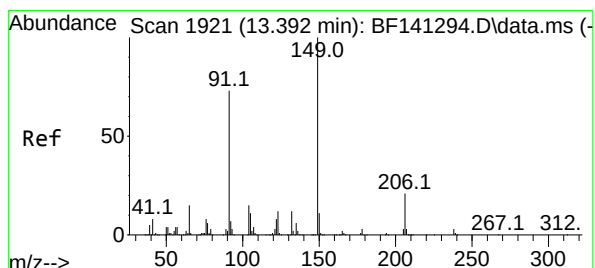
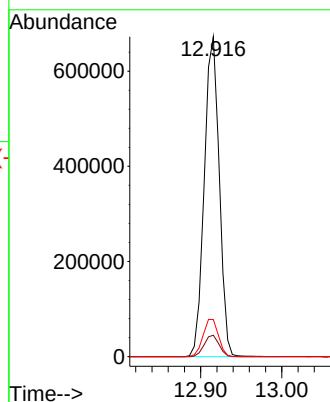
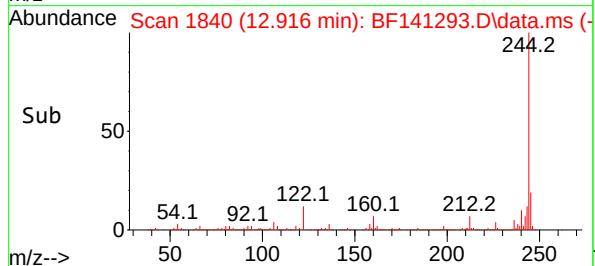
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:244 Resp: 860950
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.6 8.8 13.2

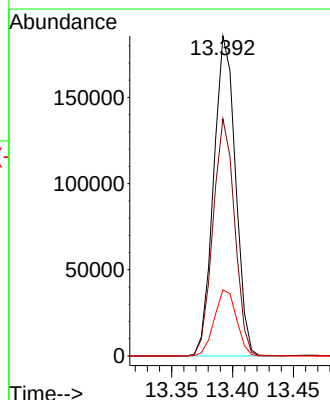
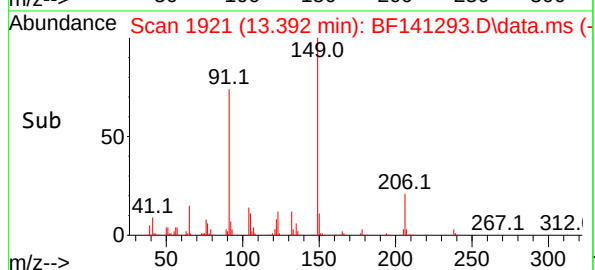
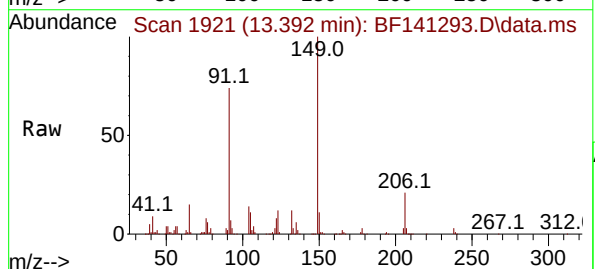
Manual Integrations
APPROVED

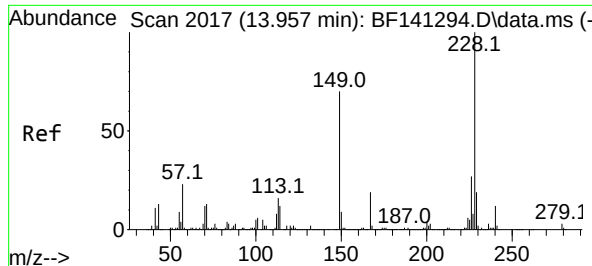
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

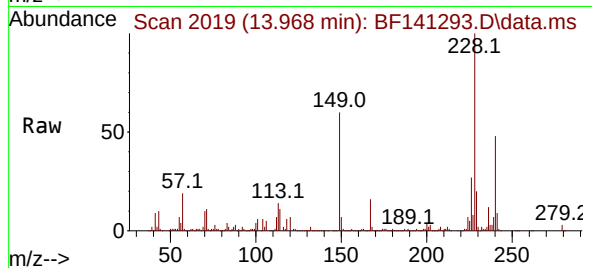
Tgt Ion:149 Resp: 232095
Ion Ratio Lower Upper
149 100
91 74.1 58.6 87.8
206 20.7 16.7 25.1





#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

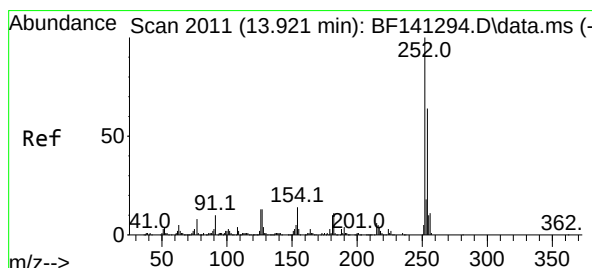
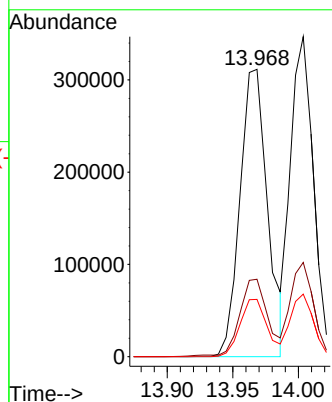
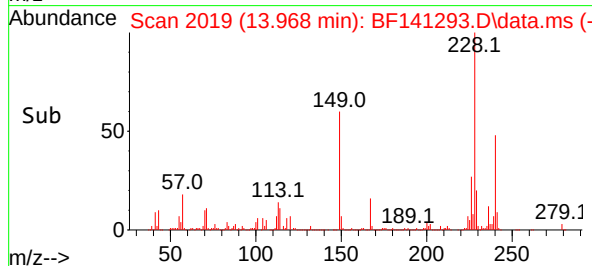
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



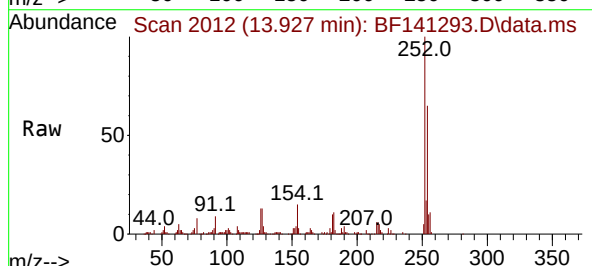
Tgt Ion:228 Resp: 45653
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.9 15.5 23.3

Manual Integrations
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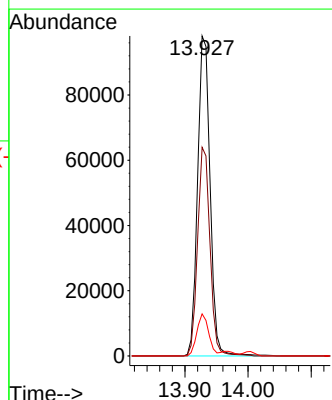
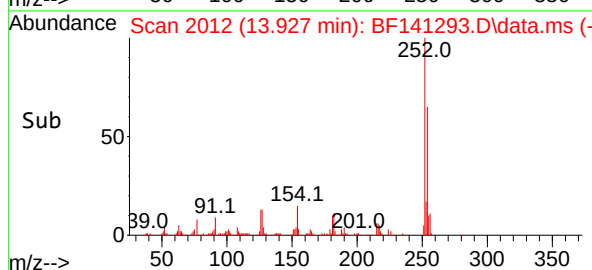
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

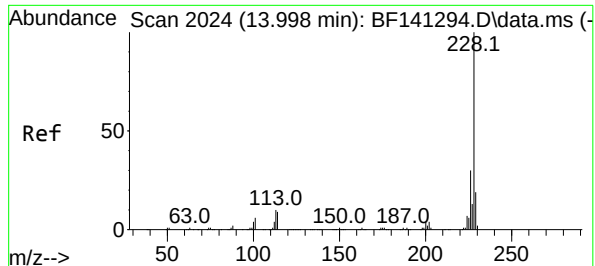


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



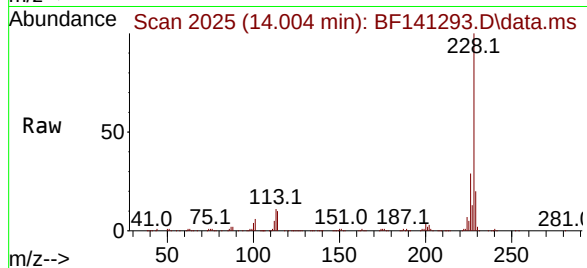
Tgt Ion:252 Resp: 134298
Ion Ratio Lower Upper
252 100
254 65.2 51.3 76.9
126 13.2 10.0 15.0





#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

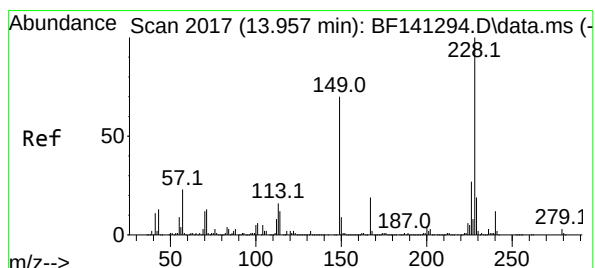
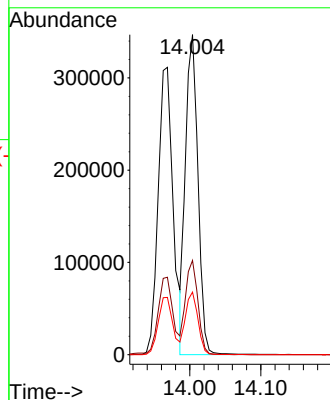
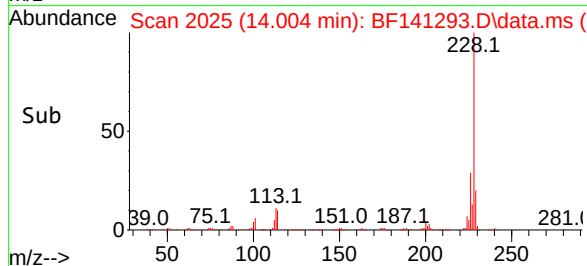
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



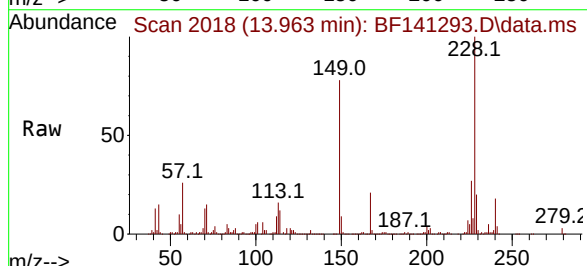
Tgt Ion:228 Resp: 421849
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.5 15.6 23.4

Manual Integrations
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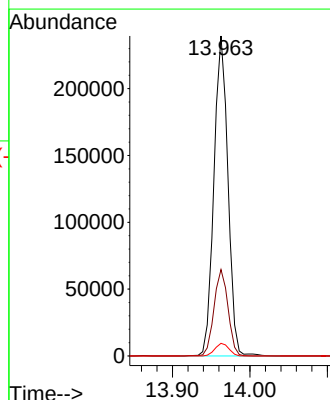
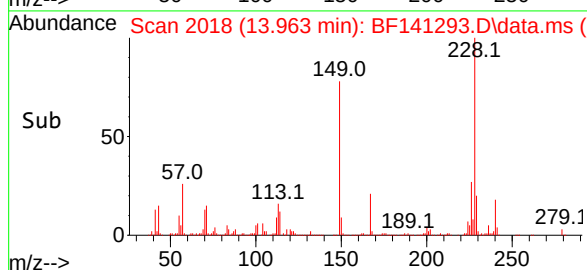
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

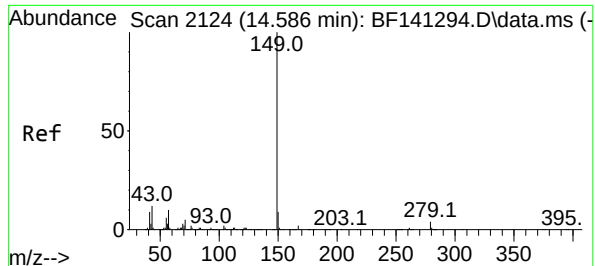


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



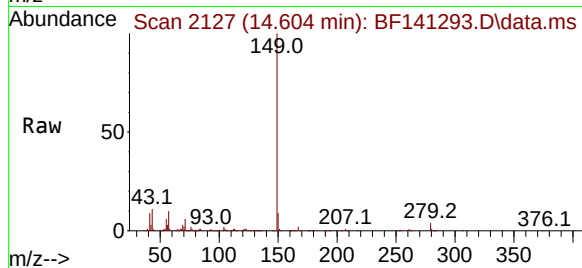
Tgt Ion:149 Resp: 300546
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

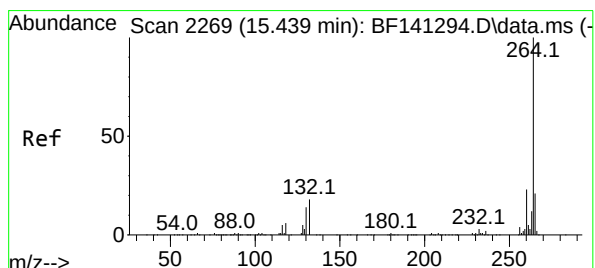
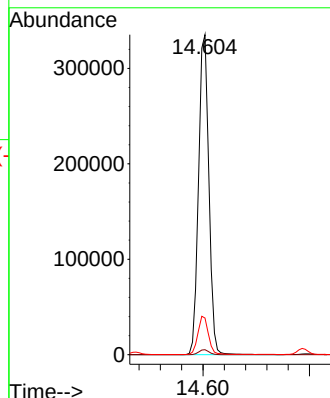
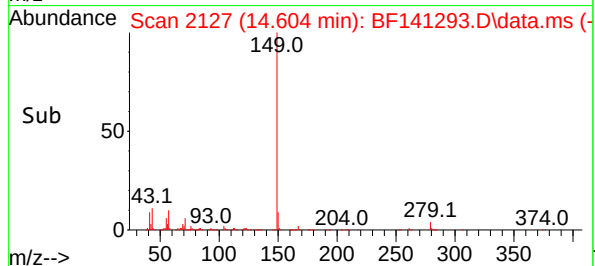
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 451748
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

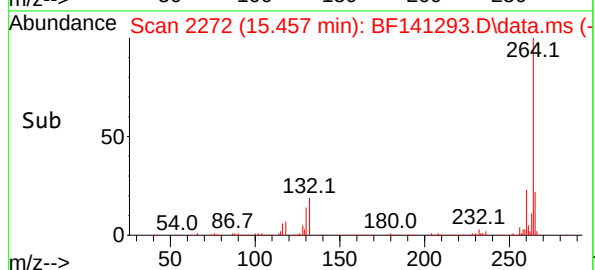
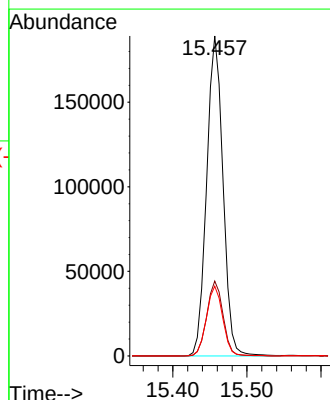
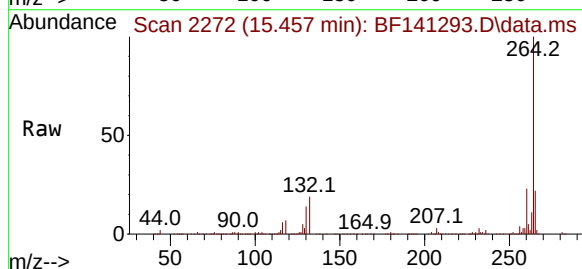
Manual Integrations
APPROVED

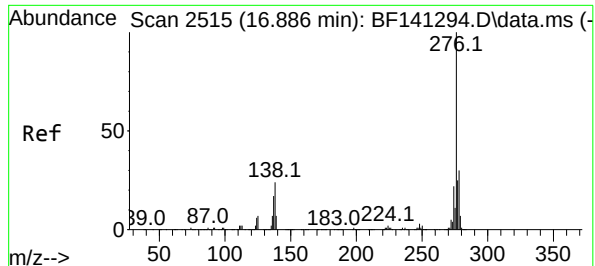
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.8 16.7 25.1





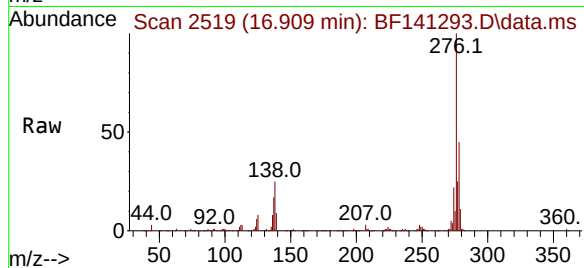
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.466 ng
RT: 16.909 min Scan# 211
Delta R.T. 0.024 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

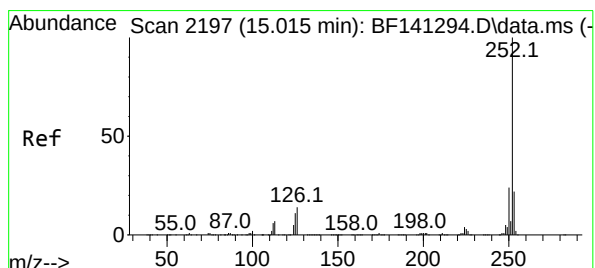
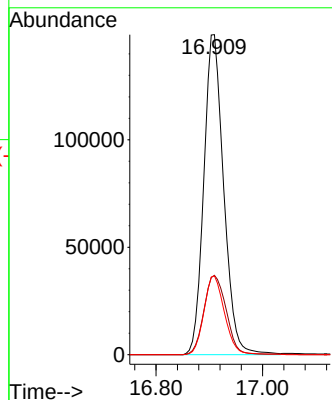
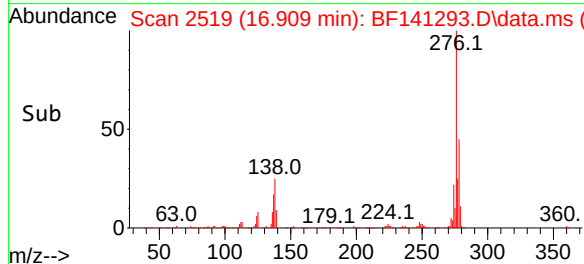


Tgt Ion:276 Resp: 387089
Ion Ratio Lower Upper
276 100
138 27.6 21.7 32.5
277 25.5 20.3 30.5

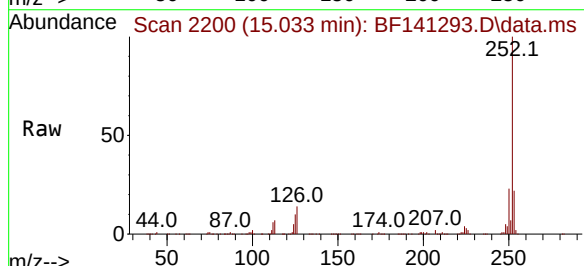
Manual Integrations

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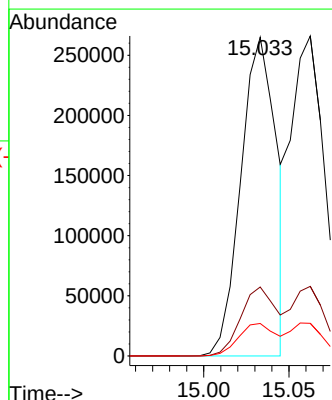
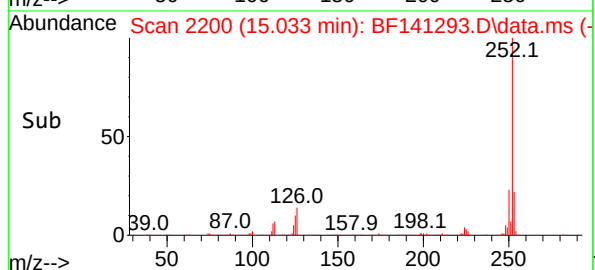
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

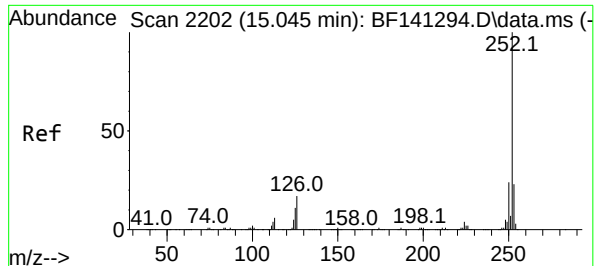


#88
Benzo(b)fluoranthene
Concen: 21.383 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:252 Resp: 384557
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 10.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 22.900 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 36880

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

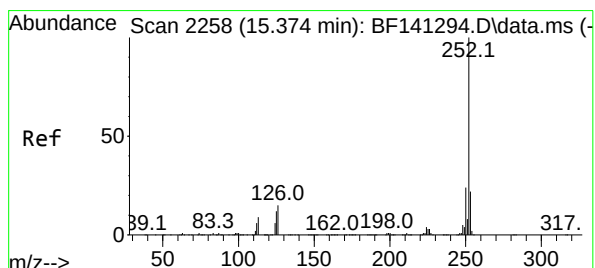
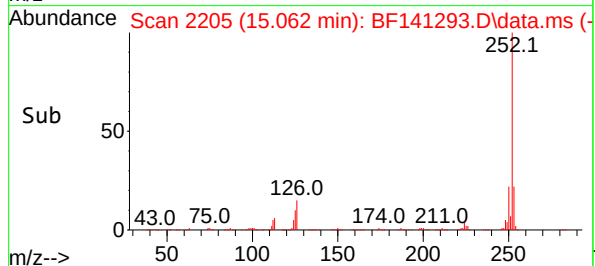
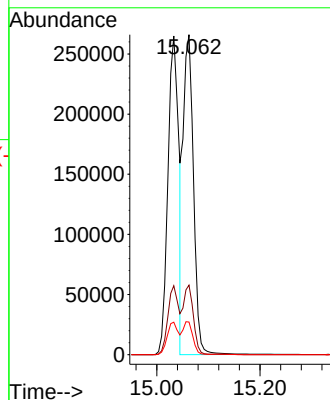
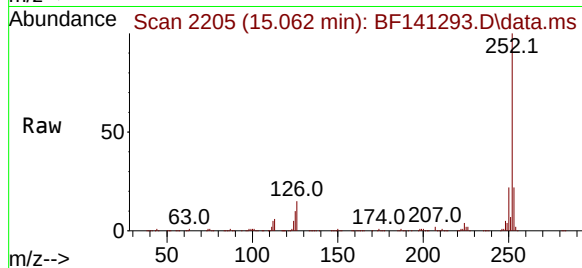
125 10.2 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 21.317 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

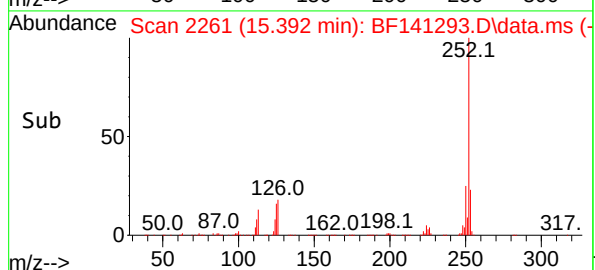
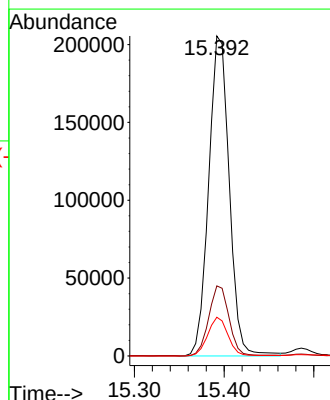
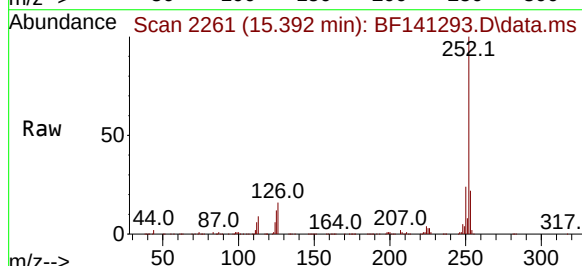
Tgt Ion:252 Resp: 327630

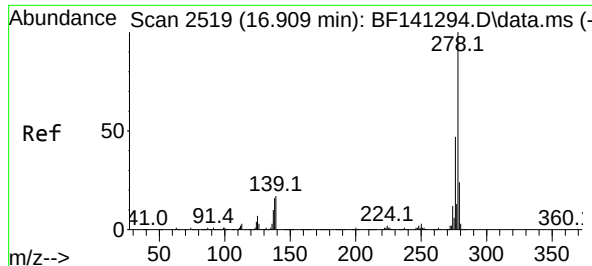
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 21.026 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 318776

Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

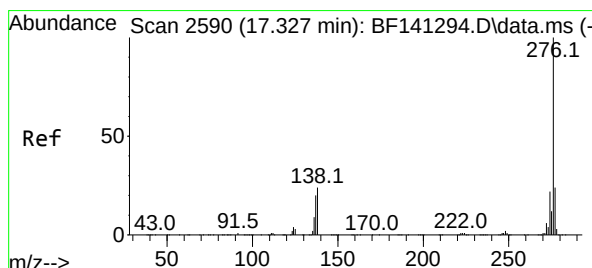
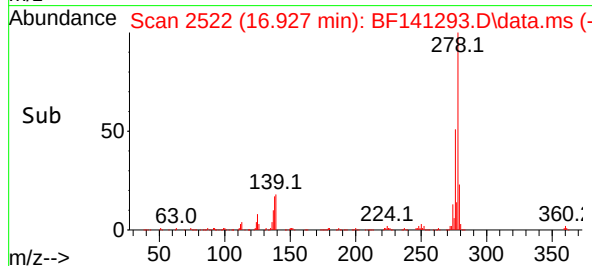
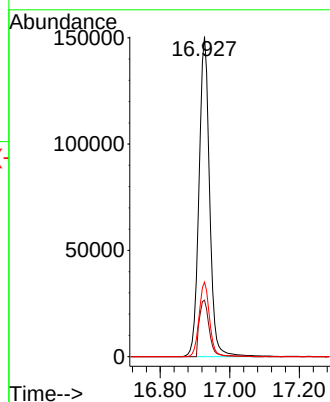
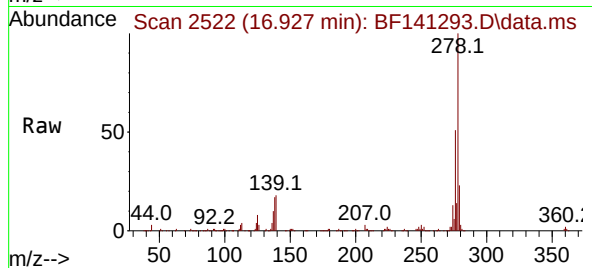
279 23.3 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 20.684 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

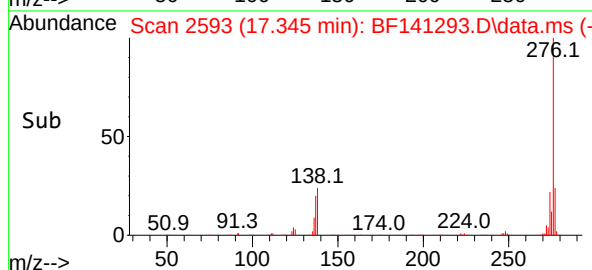
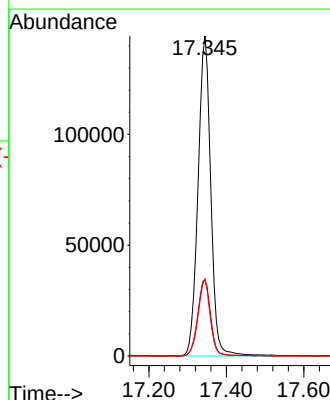
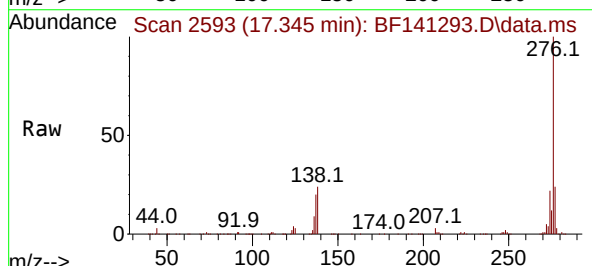
Tgt Ion:276 Resp: 329876

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.9 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

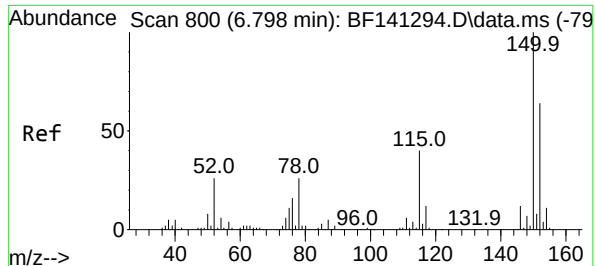
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

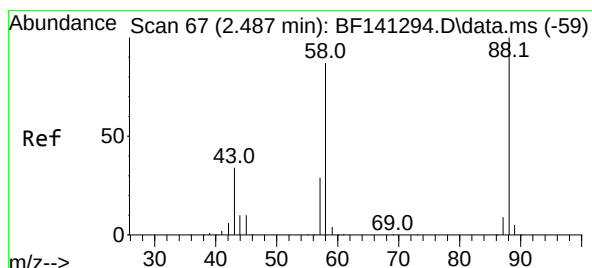
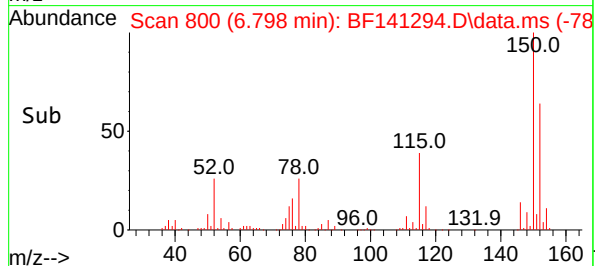
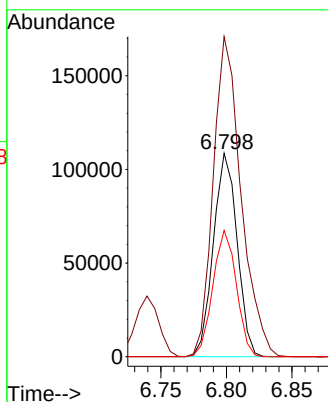
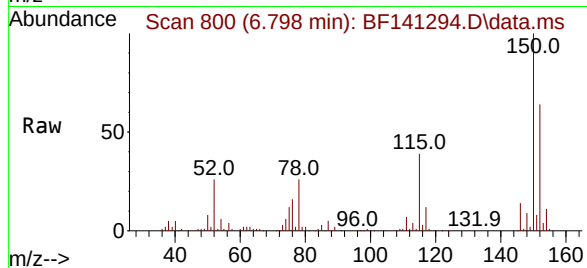
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

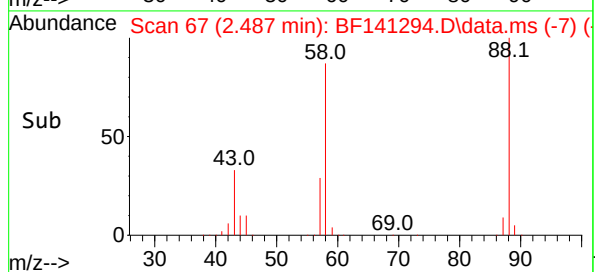
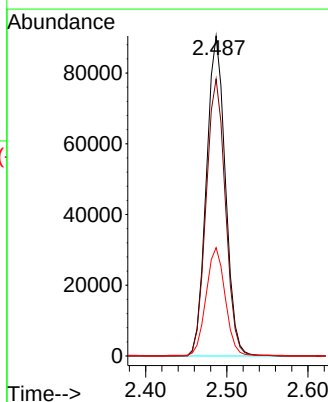
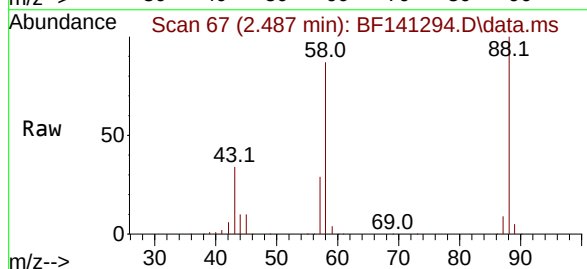
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BNA_F
ClientSampleId :
SSTDICCC040

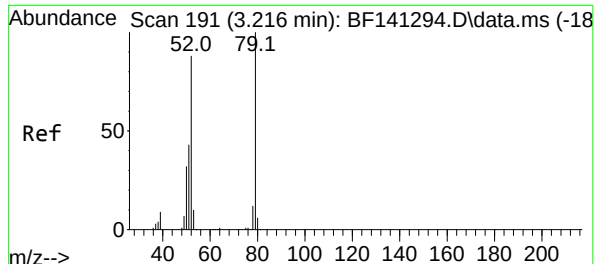
Tgt Ion:152 Resp: 136511
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 62.1 49.7 74.5



#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.5 27.6 41.4





#3

Pyridine

Concen: 38.457 ng

RT: 3.216 min Scan# 191

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

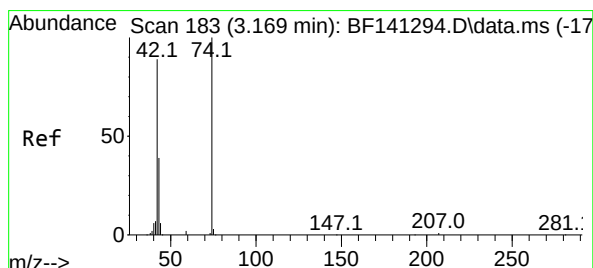
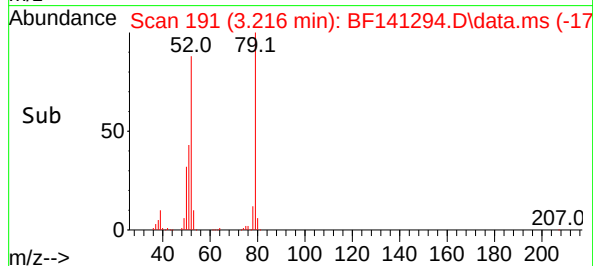
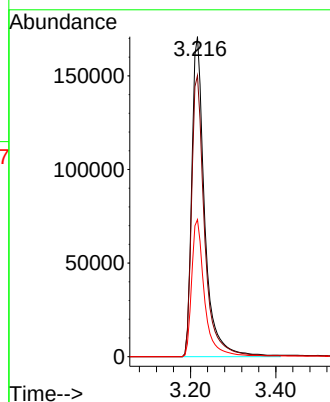
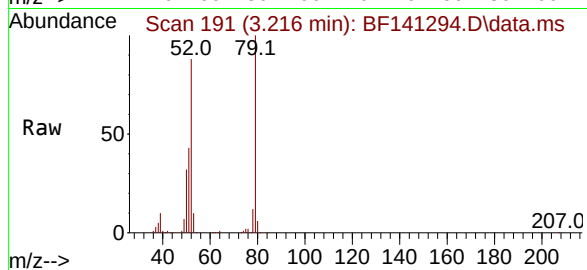
Tgt Ion: 79 Resp: 360381

Ion Ratio Lower Upper

79 100

52 87.9 70.3 105.5

51 42.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 38.203 ng

RT: 3.169 min Scan# 183

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

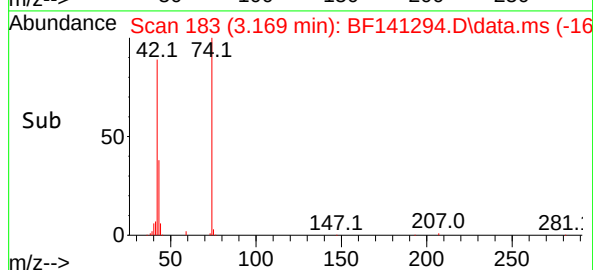
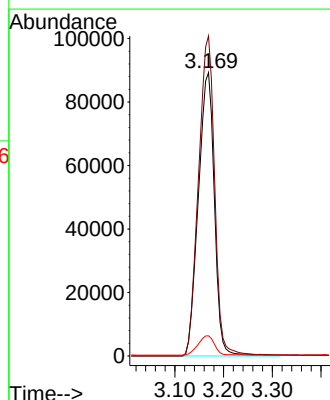
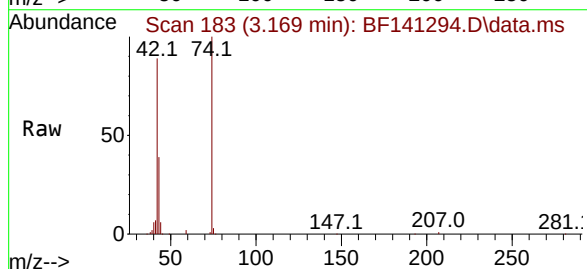
Tgt Ion: 42 Resp: 205026

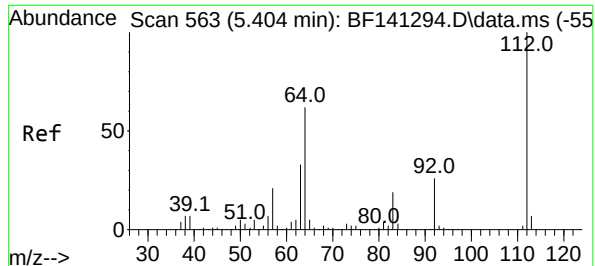
Ion Ratio Lower Upper

42 100

74 112.9 90.3 135.5

44 7.1 5.7 8.5

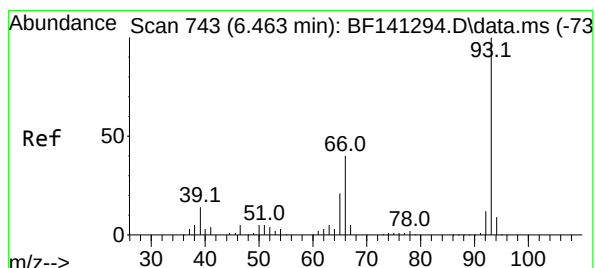
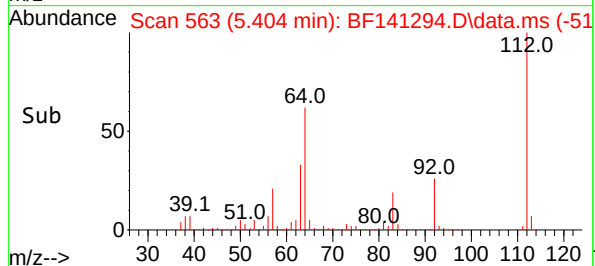
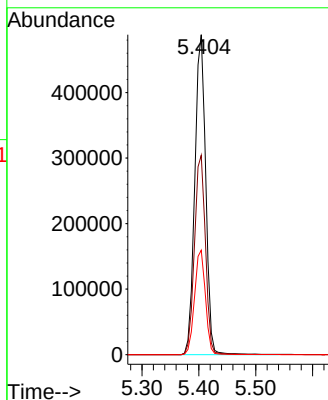
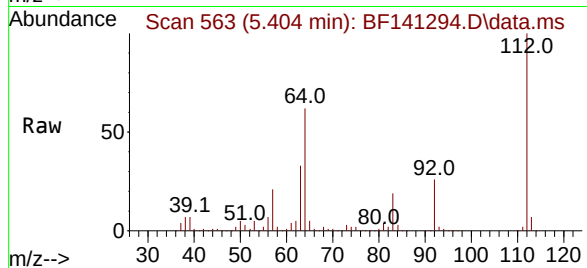




#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

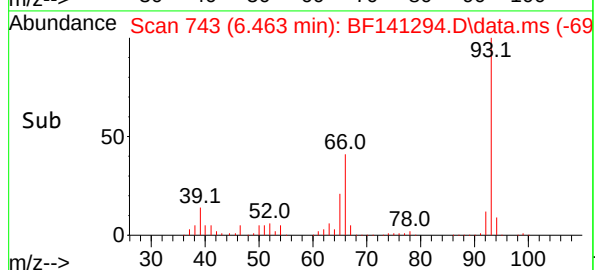
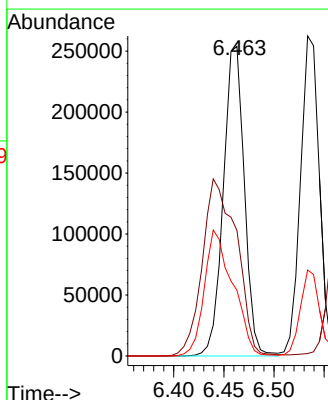
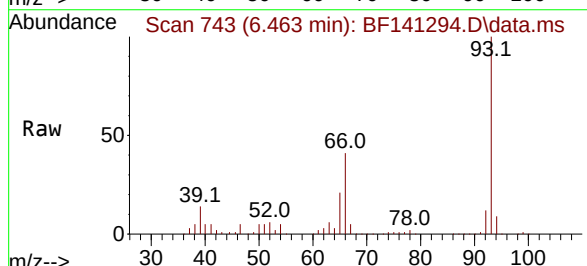
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

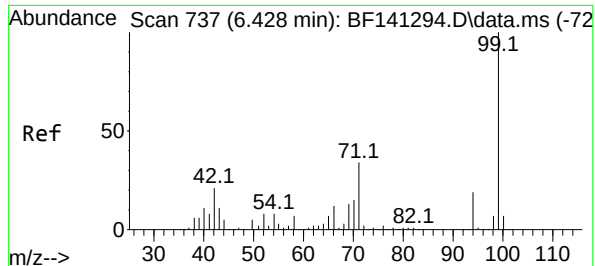
Tgt Ion:112 Resp: 655671
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.6 26.1 39.1



#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145
Ion Ratio Lower Upper
93 100
66 40.6 32.5 48.7
65 21.3 17.0 25.6





#7

Phenol-d6

Concen: 73.753 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

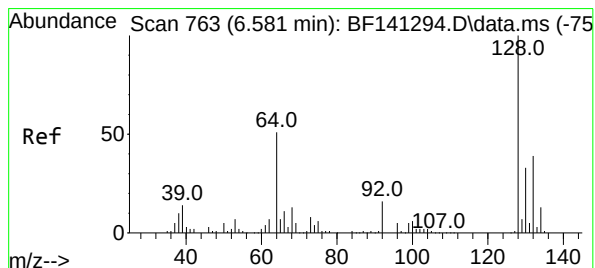
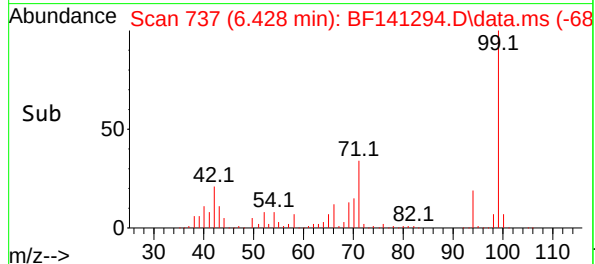
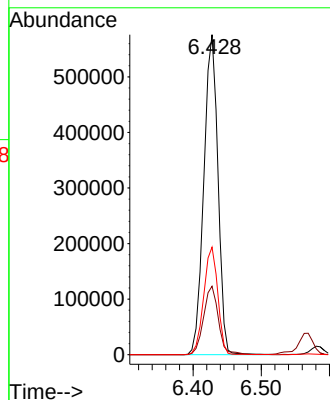
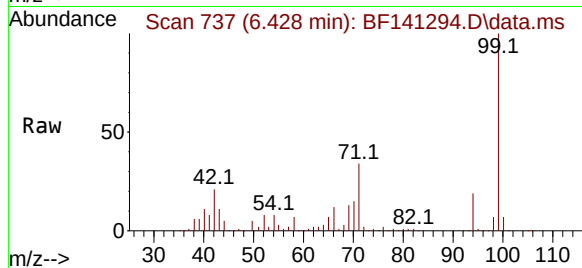
Tgt Ion: 99 Resp: 829746

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

71 33.6 26.9 40.3



#8

2-Chlorophenol

Concen: 37.357 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

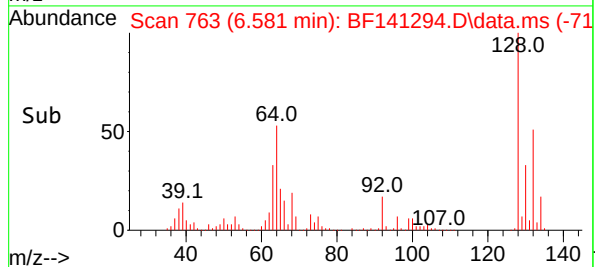
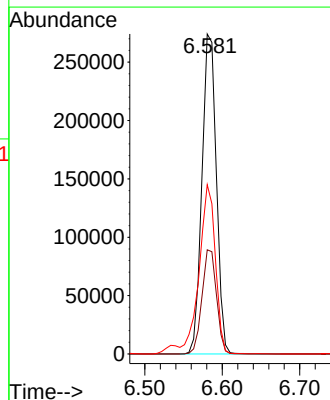
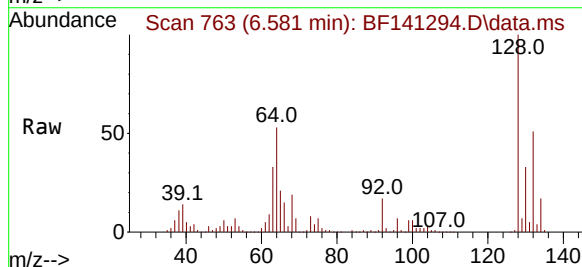
Tgt Ion:128 Resp: 354141

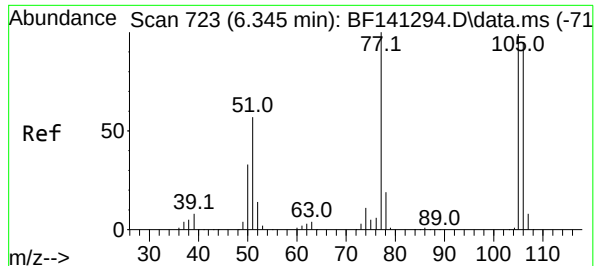
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 52.9 32.9 72.9





#9

Benzaldehyde

Concen: 37.402 ng

RT: 6.345 min Scan# 723

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

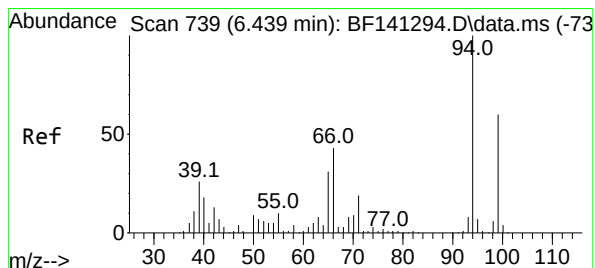
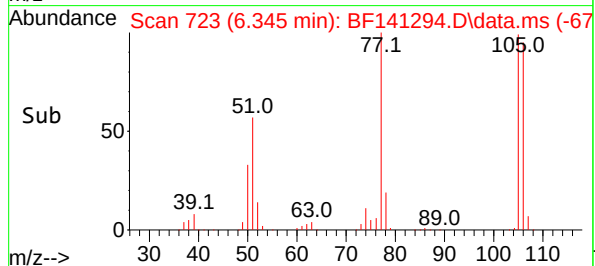
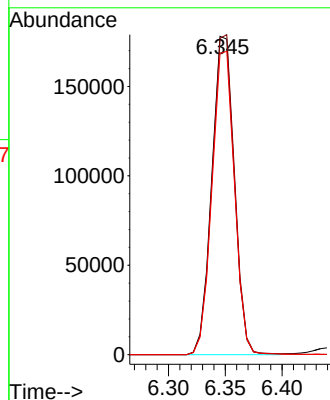
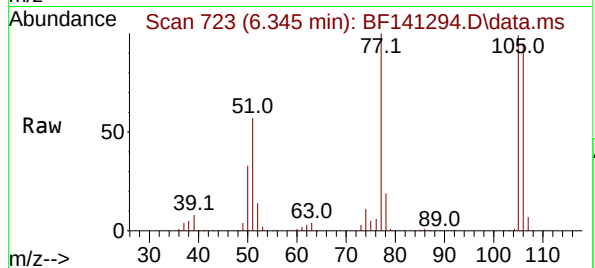
Tgt Ion: 77 Resp: 244365

Ion Ratio Lower Upper

77 100

105 99.4 79.4 119.4

106 94.6 74.6 114.6



#10

Phenol

Concen: 37.678 ng

RT: 6.439 min Scan# 739

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

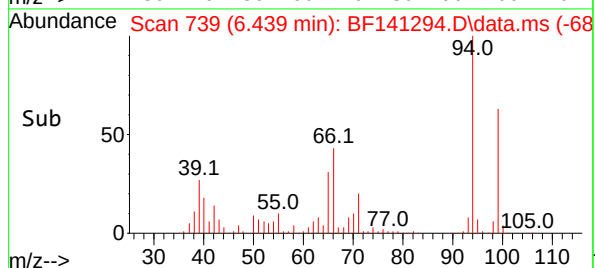
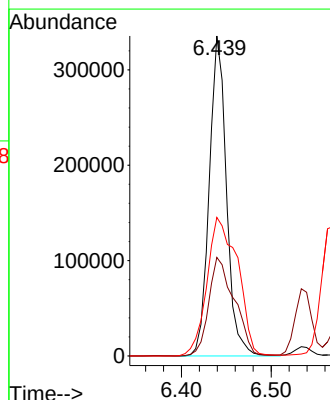
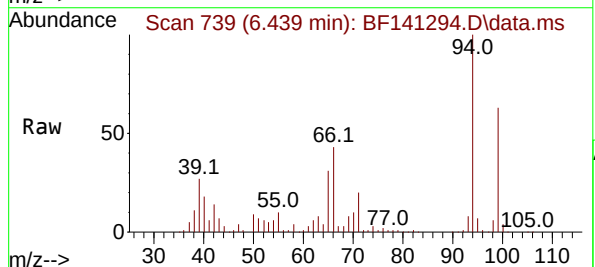
Tgt Ion: 94 Resp: 448441

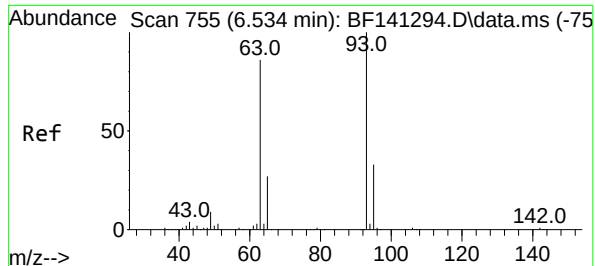
Ion Ratio Lower Upper

94 100

65 30.8 10.8 50.8

66 43.3 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 36.754 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

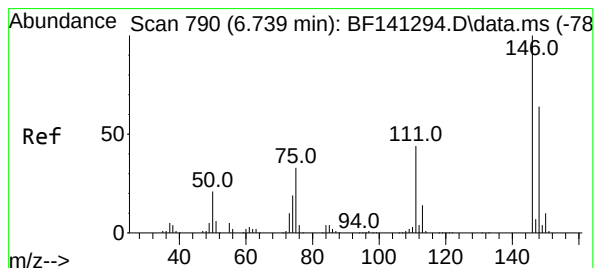
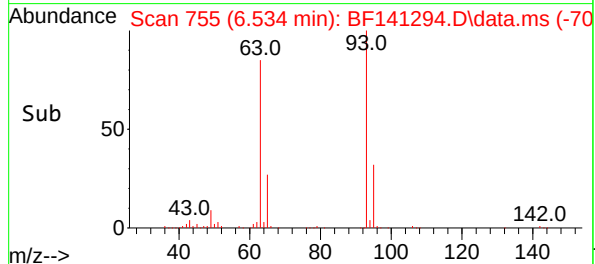
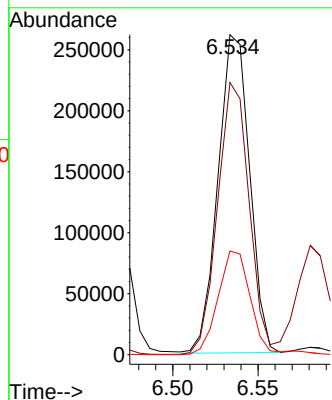
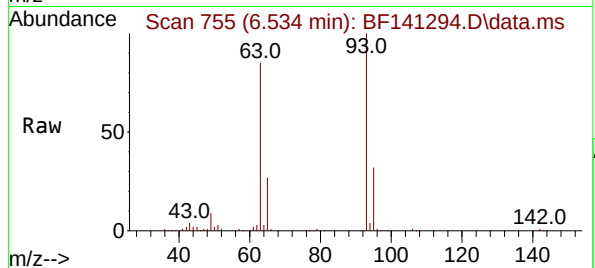
Tgt Ion: 93 Resp: 336429

Ion Ratio Lower Upper

93 100

63 85.0 65.0 105.0

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.328 ng

RT: 6.739 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

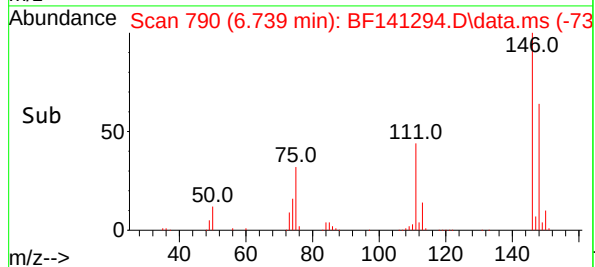
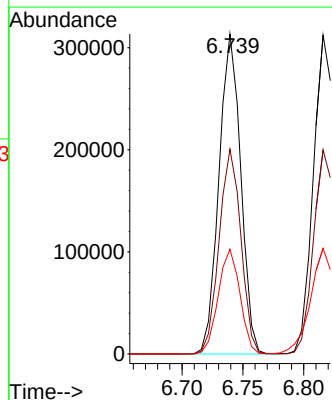
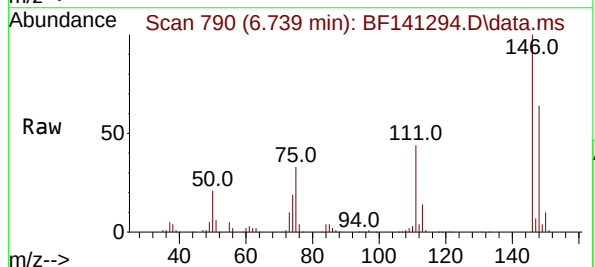
Tgt Ion: 146 Resp: 390276

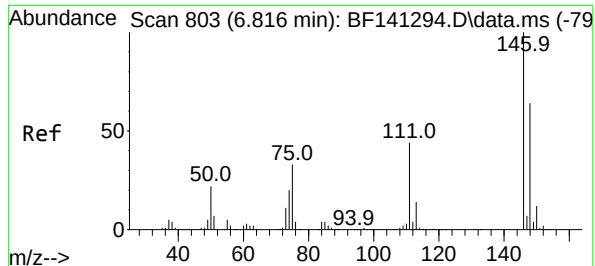
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 32.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.119 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

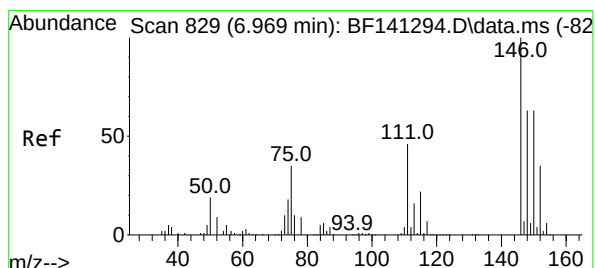
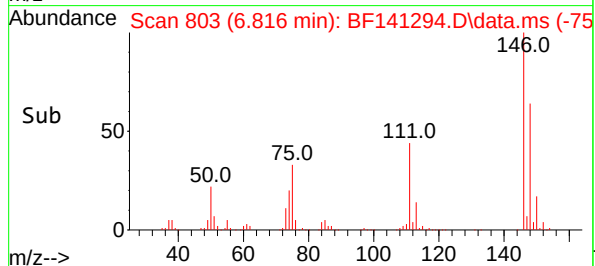
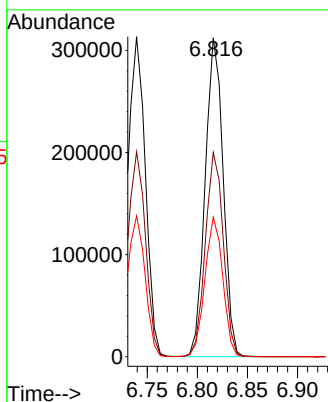
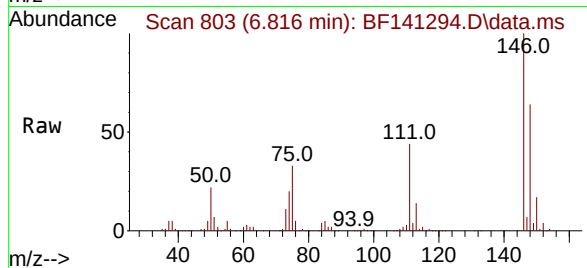
Tgt Ion:146 Resp: 390834

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.114 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

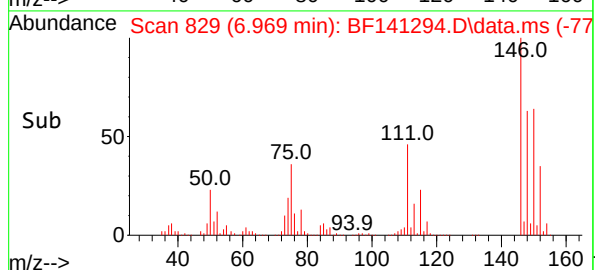
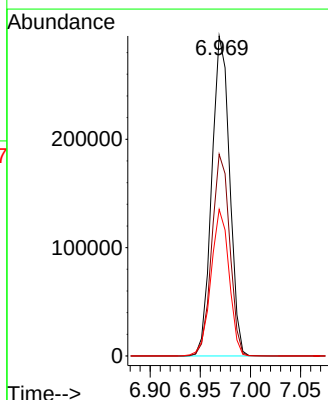
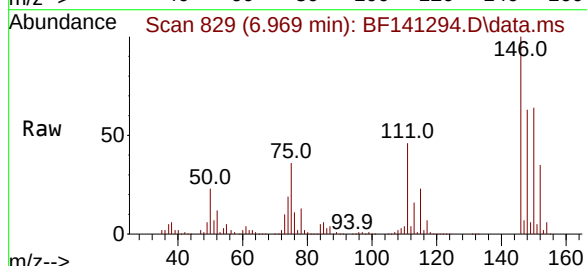
Tgt Ion:146 Resp: 365173

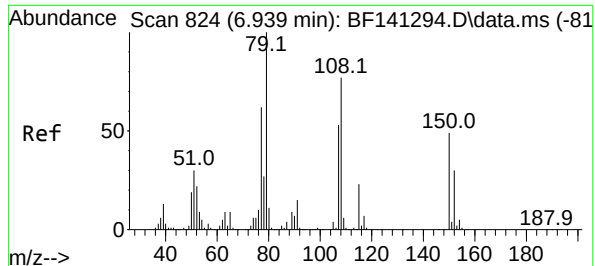
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.8 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.445 ng

RT: 6.939 min Scan# 824

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

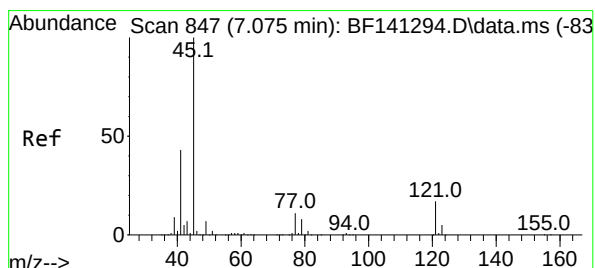
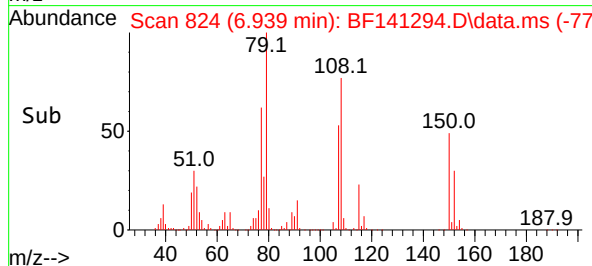
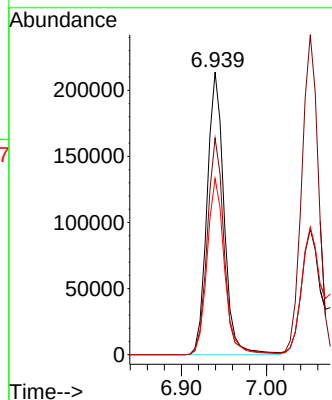
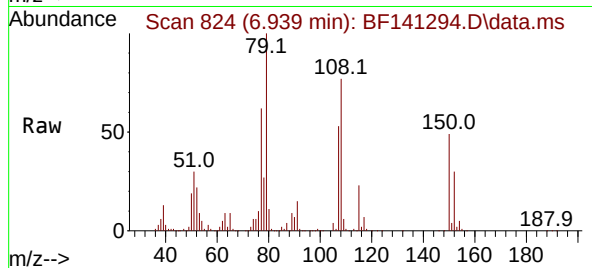
Tgt Ion: 79 Resp: 295478

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.578 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

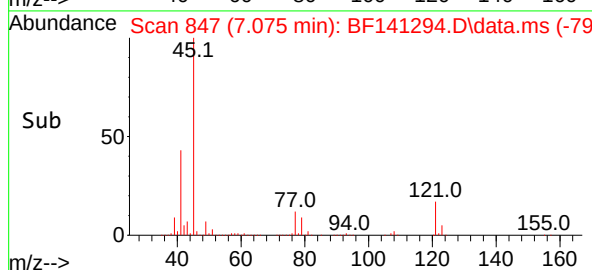
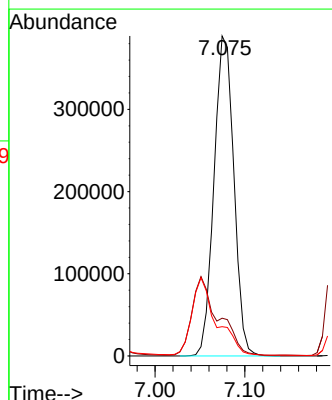
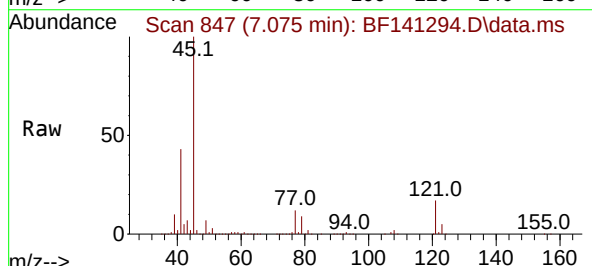
Tgt Ion: 45 Resp: 597590

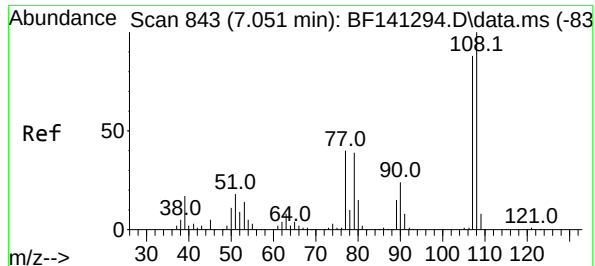
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.1 0.0 29.1

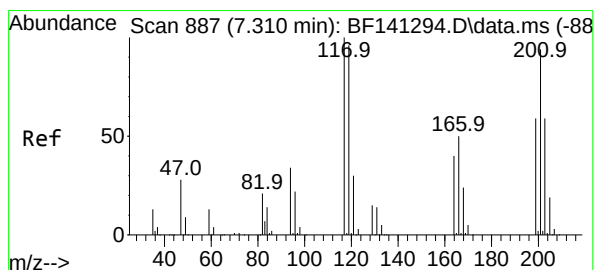
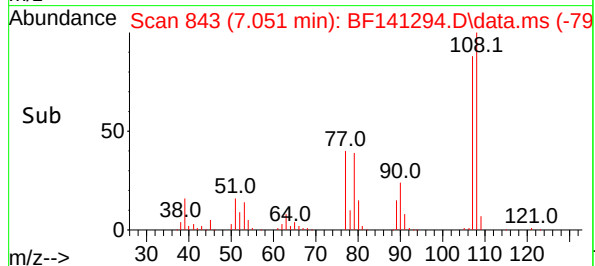
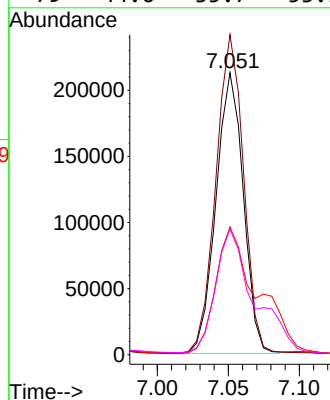
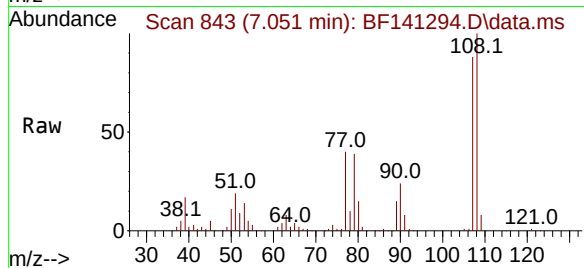




#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

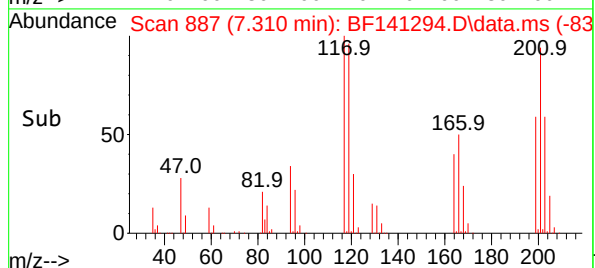
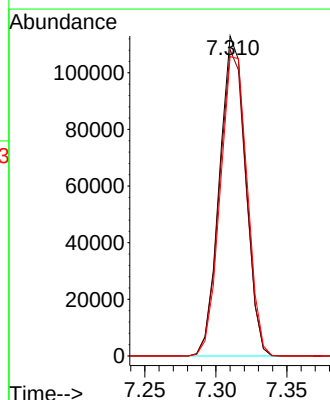
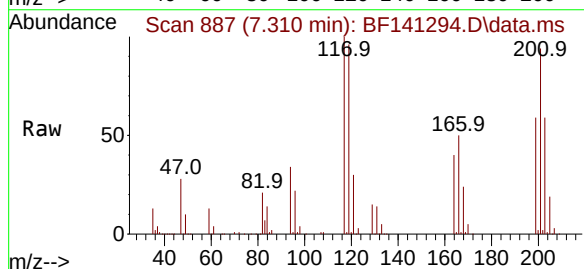
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

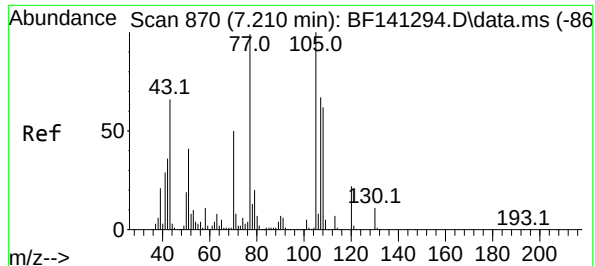
Tgt Ion:107 Resp: 284578
Ion Ratio Lower Upper
107 100
108 113.5 90.8 136.2
77 45.3 36.2 54.4
79 44.6 35.7 53.5



#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:117 Resp: 144619
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
201 93.5 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.524 ng

RT: 7.210 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 244379

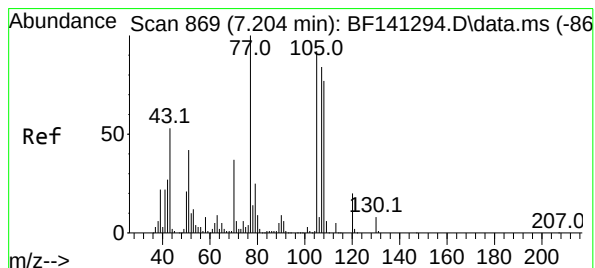
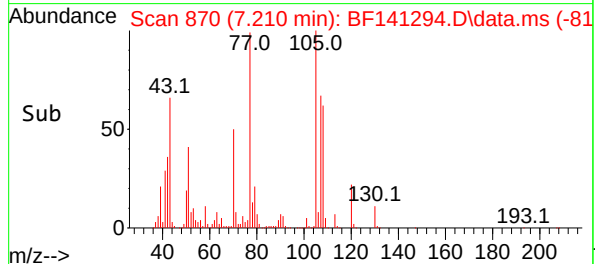
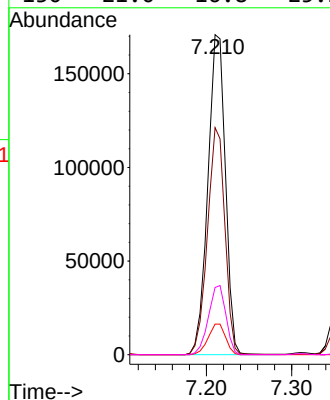
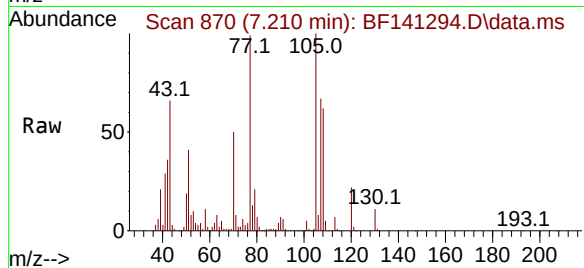
Ion Ratio Lower Upper

70 100

42 71.0 56.8 85.2

101 9.6 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.222 ng

RT: 7.204 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 107 Resp: 351248

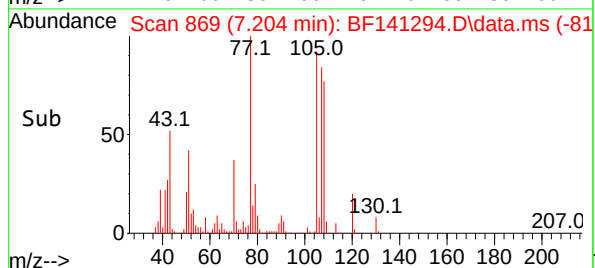
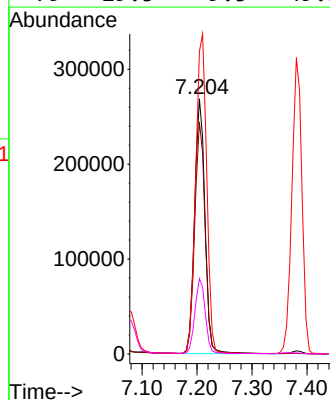
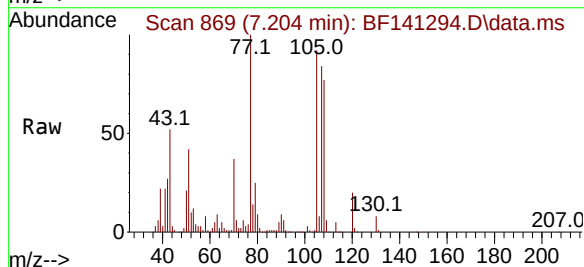
Ion Ratio Lower Upper

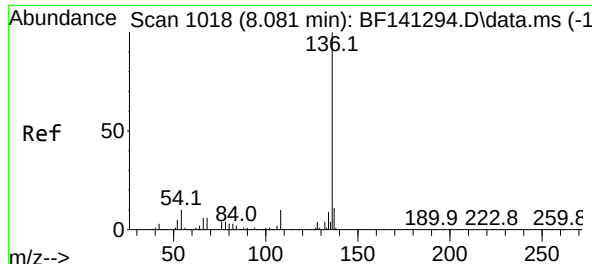
107 100

108 90.9 70.9 110.9

77 118.5 98.5 138.5

79 29.5 9.5 49.5

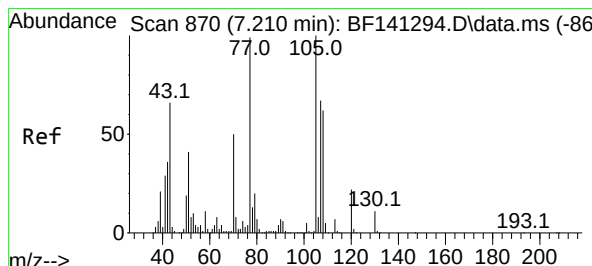
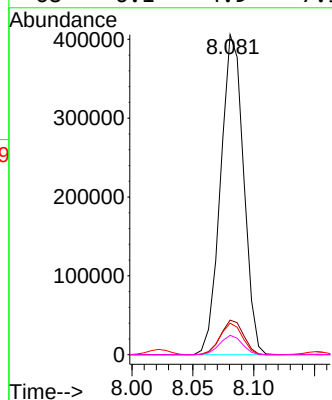
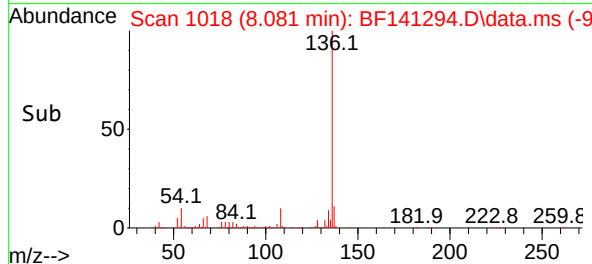
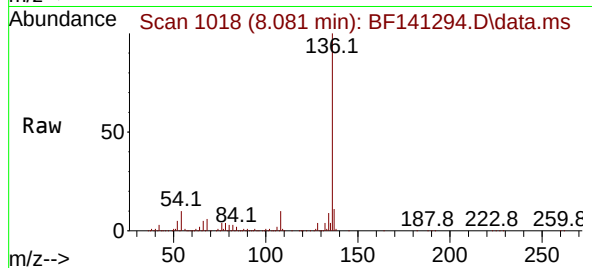




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

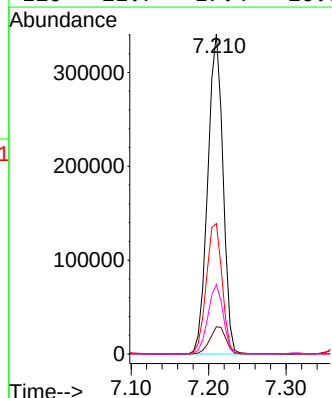
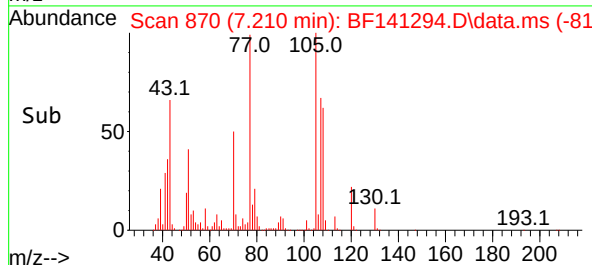
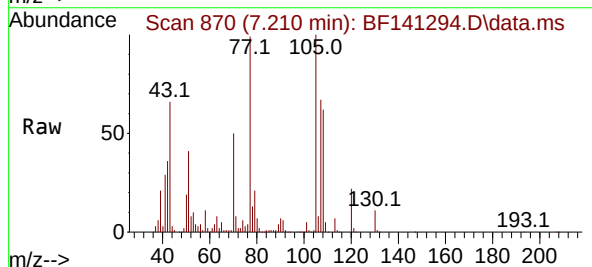
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

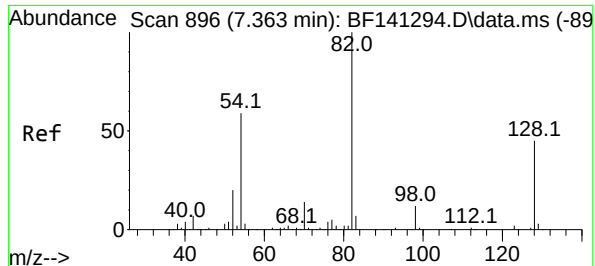
Tgt Ion:	136	Resp:	533326
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.8	7.8	11.8
68	6.1	4.9	7.3



#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	105	Resp:	465165
Ion Ratio	Lower	Upper	
105	100		
71	8.5	6.8	10.2
51	40.8	32.6	49.0
120	21.7	17.4	26.0





#23

Nitrobenzene-d5

Concen: 74.958 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

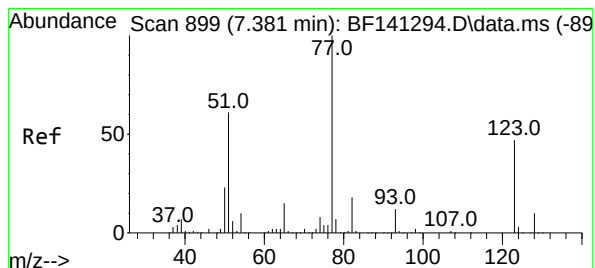
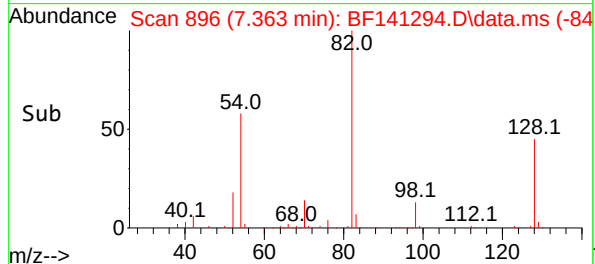
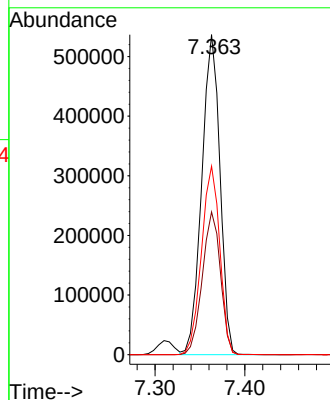
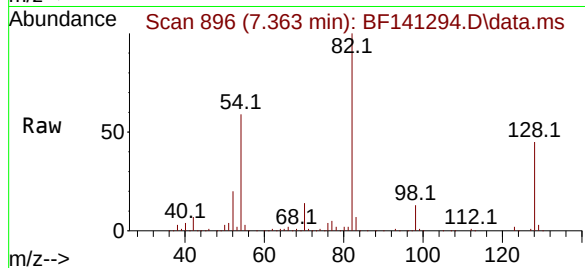
Tgt Ion: 82 Resp: 755539

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 37.893 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

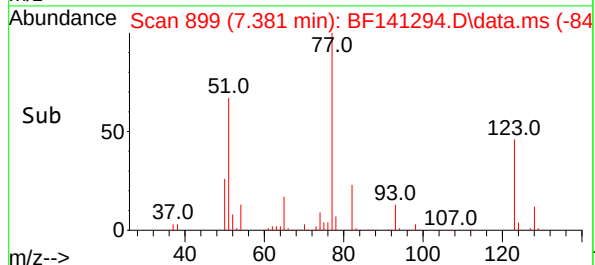
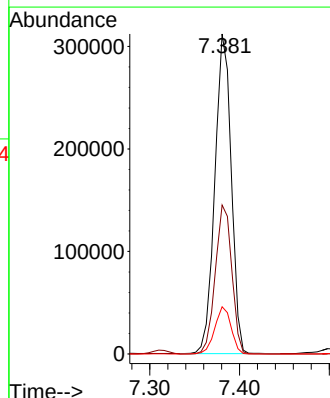
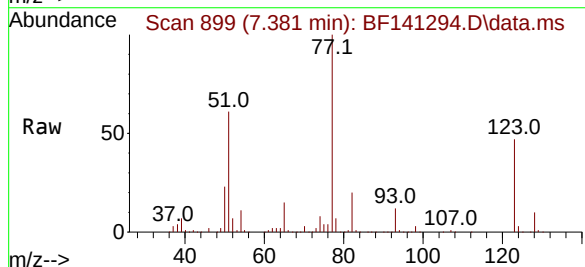
Tgt Ion: 77 Resp: 396149

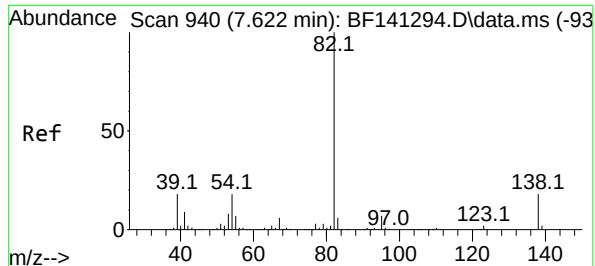
Ion Ratio Lower Upper

77 100

123 46.6 37.3 55.9

65 14.7 11.8 17.6

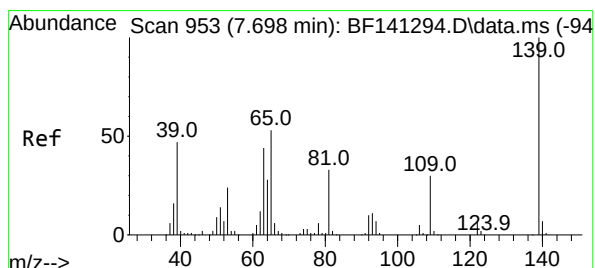
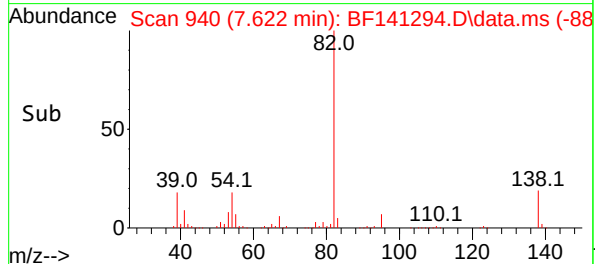
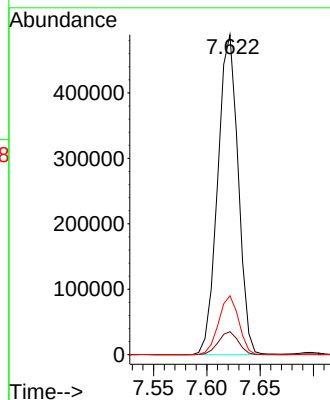
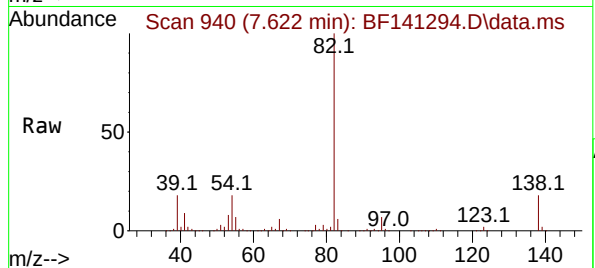




#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

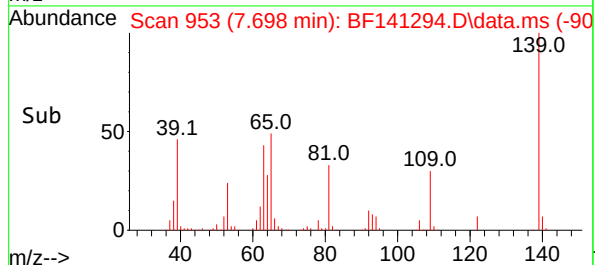
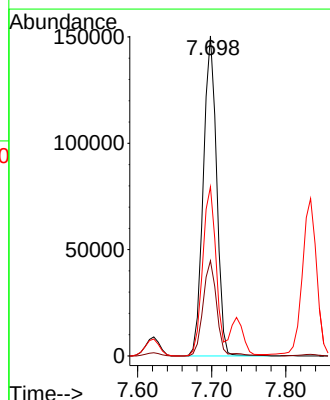
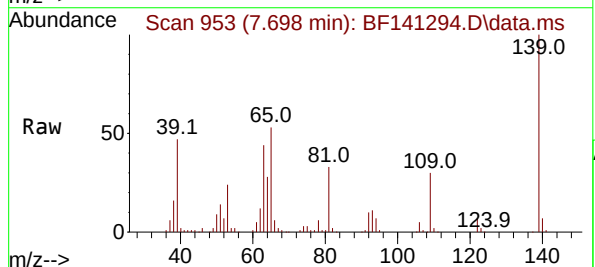
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

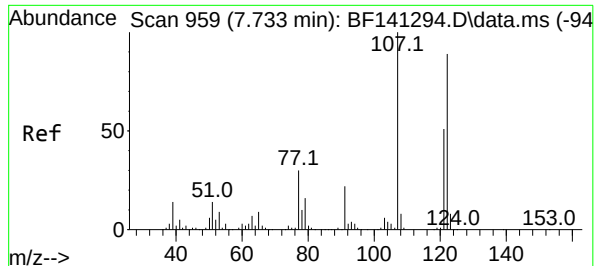
Tgt Ion: 82 Resp: 651994
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 18.4 14.7 22.1



#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 139 Resp: 188435
Ion Ratio Lower Upper
139 100
109 29.7 23.8 35.6
65 52.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.255 ng

RT: 7.733 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

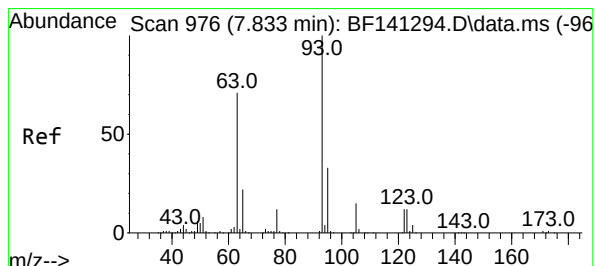
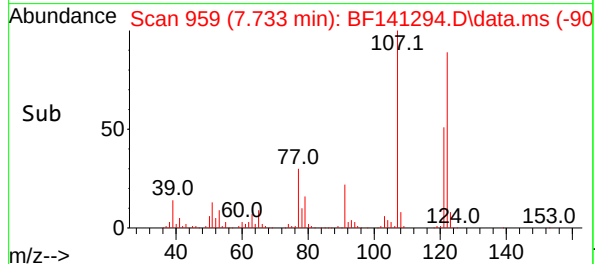
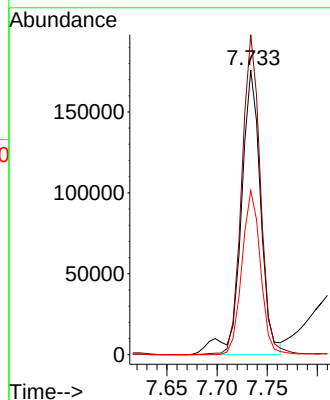
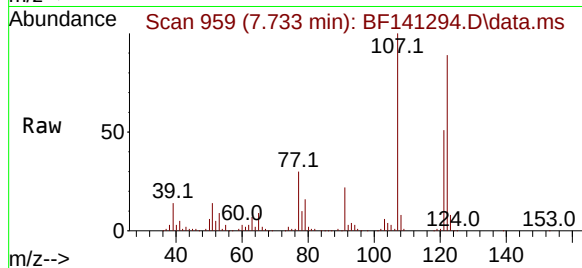
Tgt Ion:122 Resp: 239376

Ion Ratio Lower Upper

122 100

107 112.4 89.9 134.9

121 57.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 37.367 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

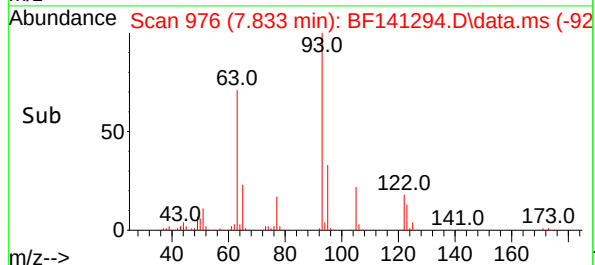
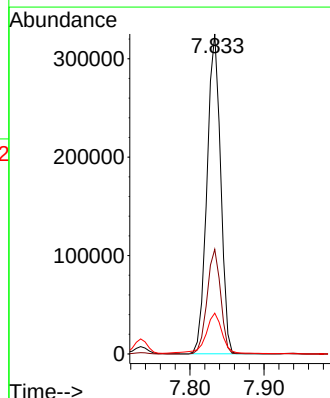
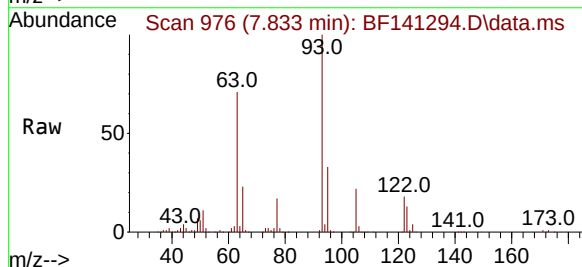
Tgt Ion: 93 Resp: 414781

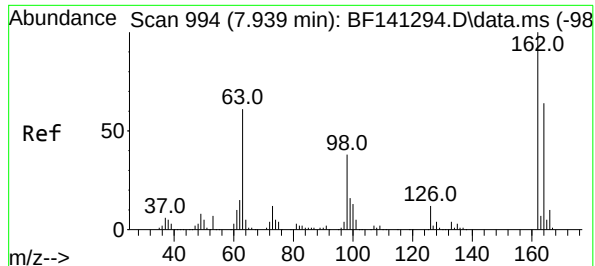
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.768 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

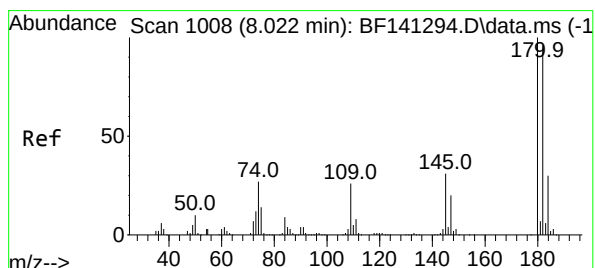
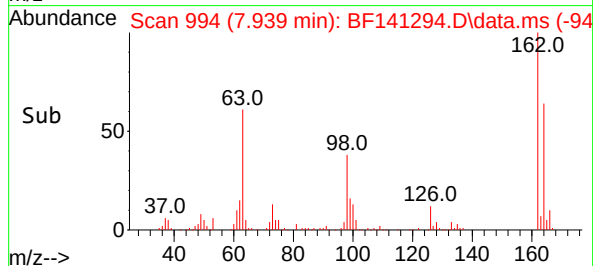
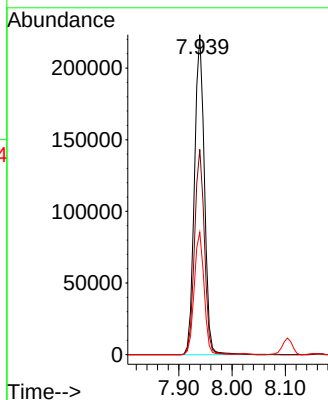
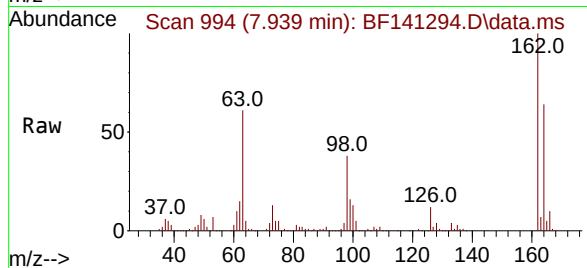
Tgt Ion:162 Resp: 288763

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.932 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

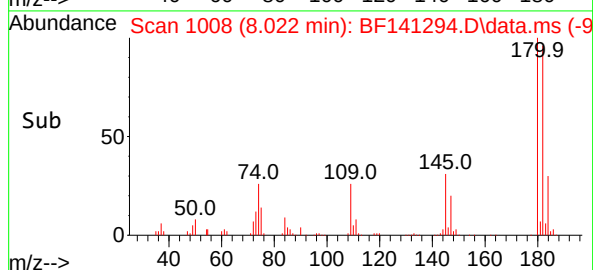
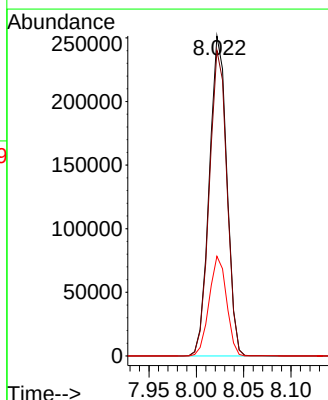
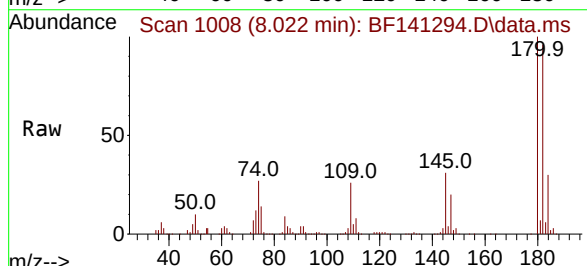
Tgt Ion:180 Resp: 323865

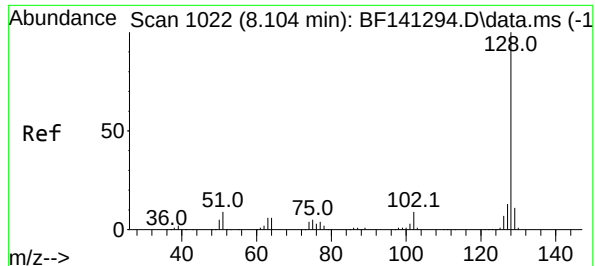
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 37.116 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

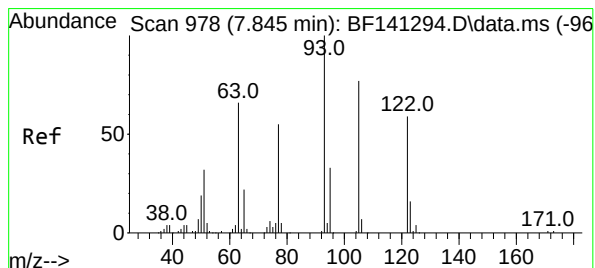
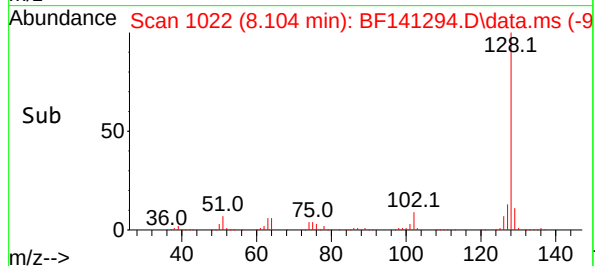
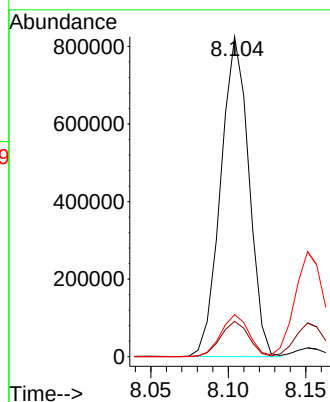
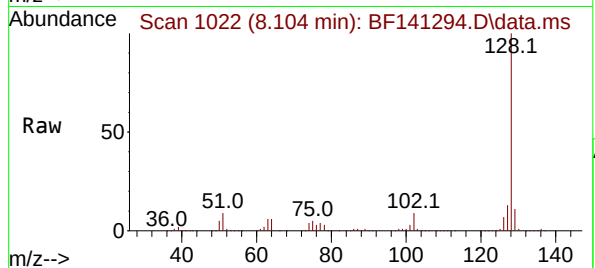
Tgt Ion:128 Resp: 1041107

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.459 ng

RT: 7.845 min Scan# 978

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

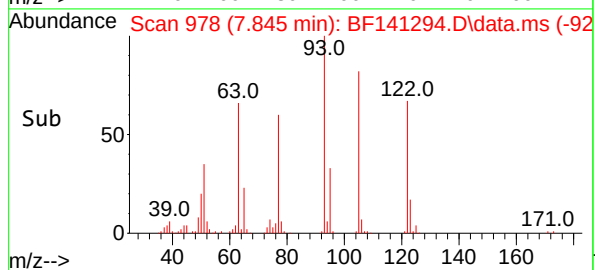
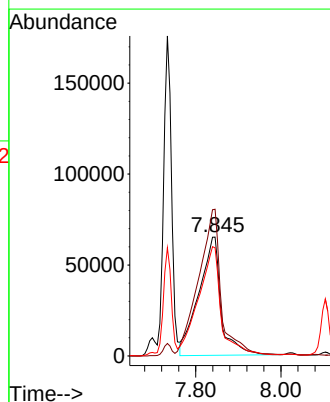
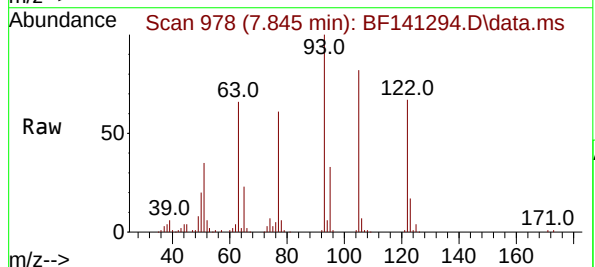
Tgt Ion:122 Resp: 235596

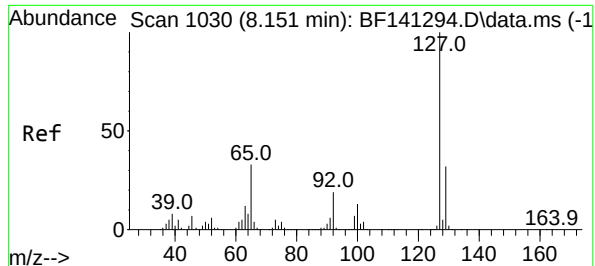
Ion Ratio Lower Upper

122 100

105 123.4 103.4 143.4

77 90.9 70.9 110.9

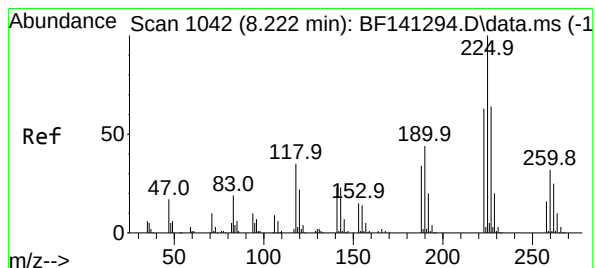
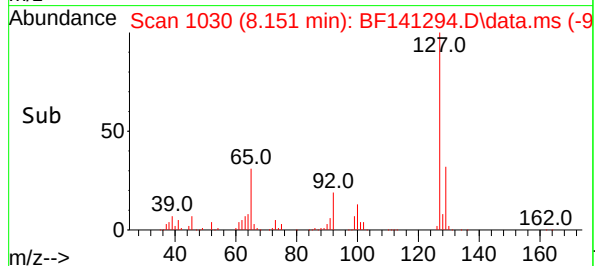
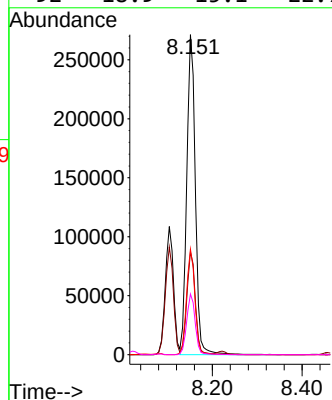
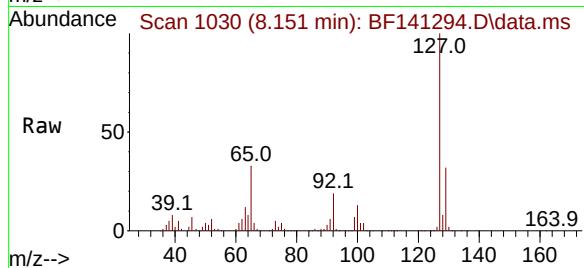




#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

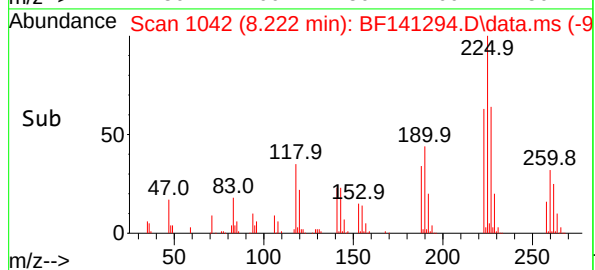
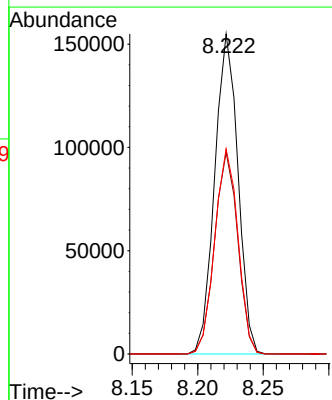
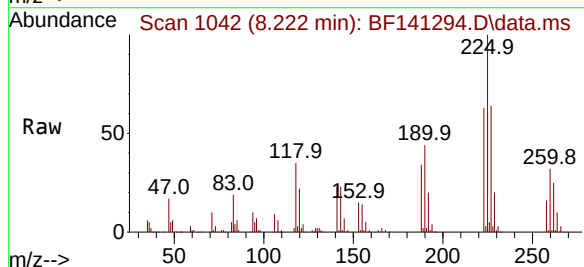
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

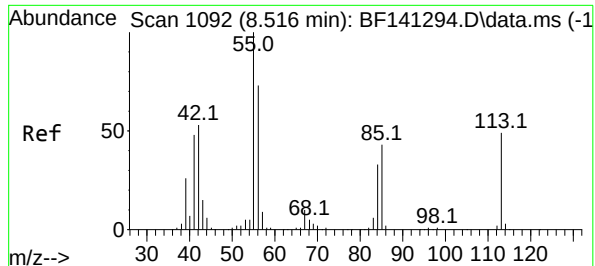
Tgt Ion:	127	Resp:	361001
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	33.0	26.4	39.6
92	18.9	15.1	22.7



#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	225	Resp:	190772
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.1	51.3	76.9

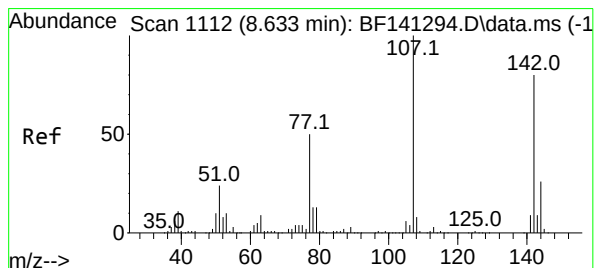
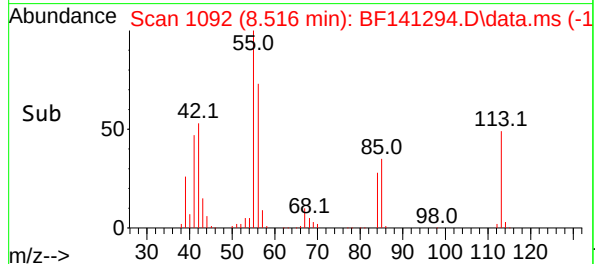
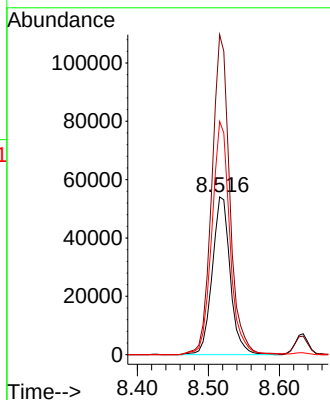
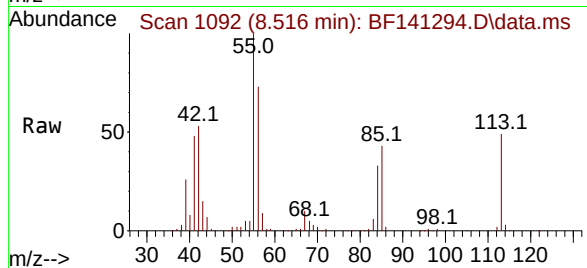




#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

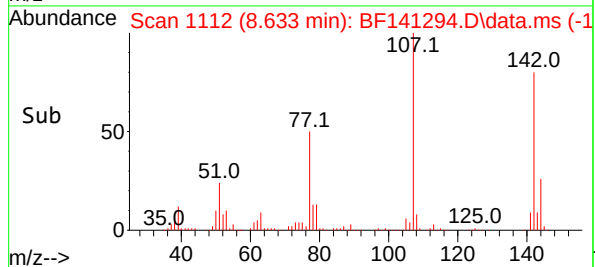
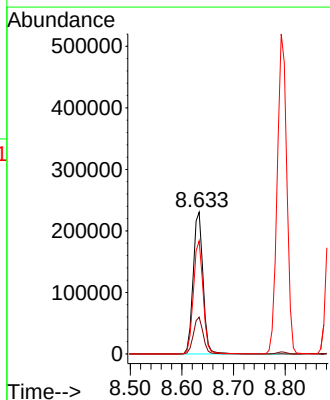
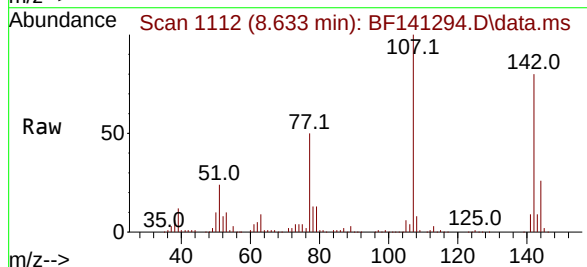
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

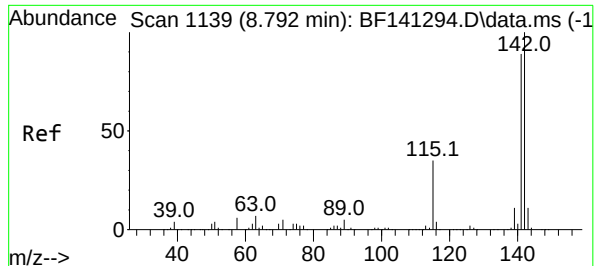
Tgt Ion:113 Resp: 94819
Ion Ratio Lower Upper
113 100
55 202.9 182.9 222.9
56 147.9 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 305768
Ion Ratio Lower Upper
107 100
144 25.9 20.7 31.1
142 79.8 63.8 95.8





#37

2-Methylnaphthalene

Concen: 37.286 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

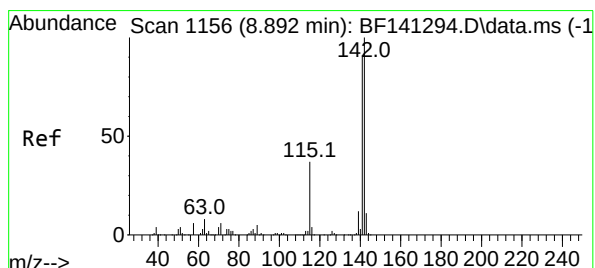
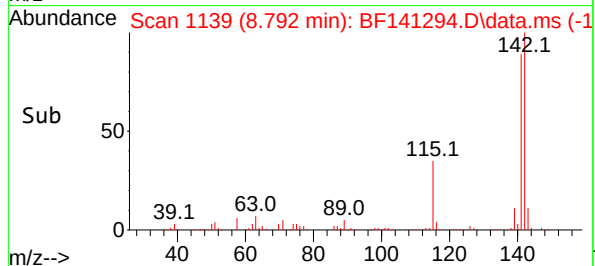
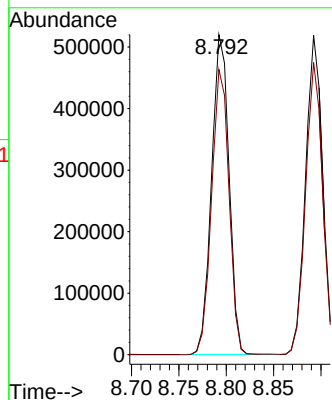
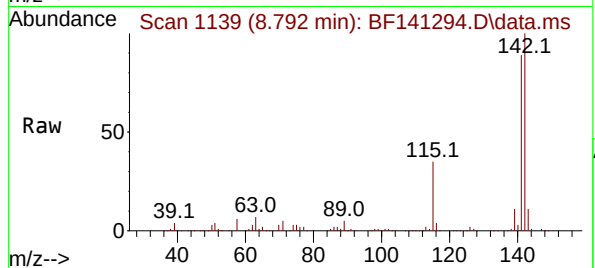
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.938 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141294.D

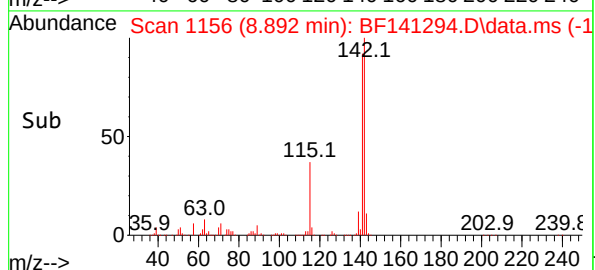
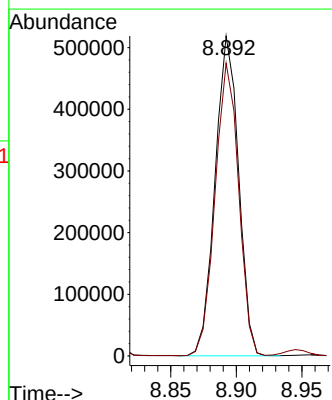
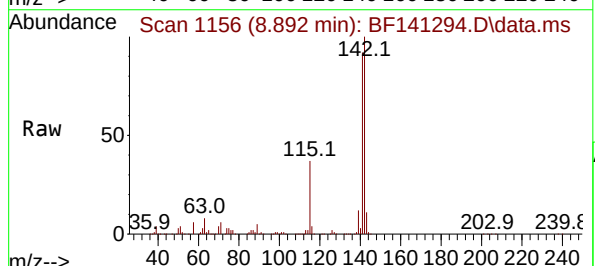
Acq: 29 Jan 2025 15:45

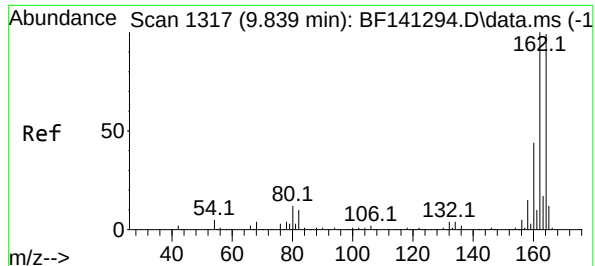
Tgt Ion:142 Resp: 646346

Ion Ratio Lower Upper

142 100

141 91.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

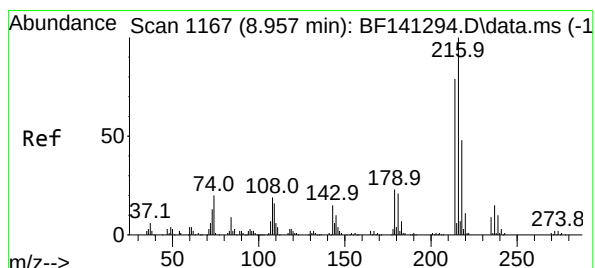
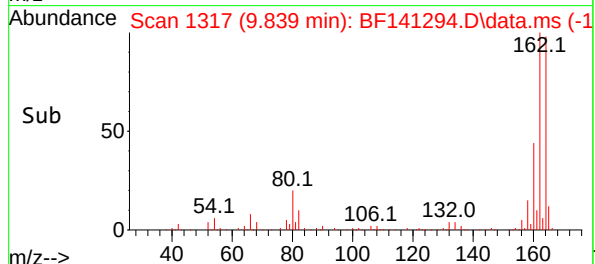
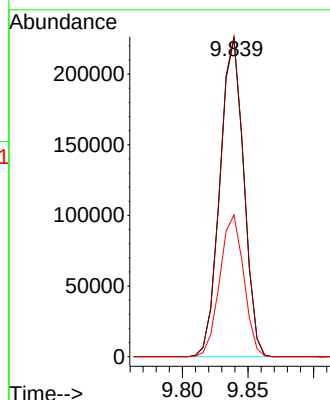
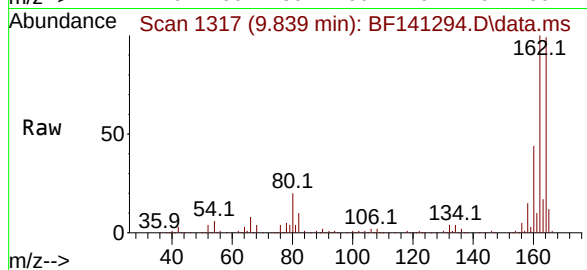
Tgt Ion:164 Resp: 282995

Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.591 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

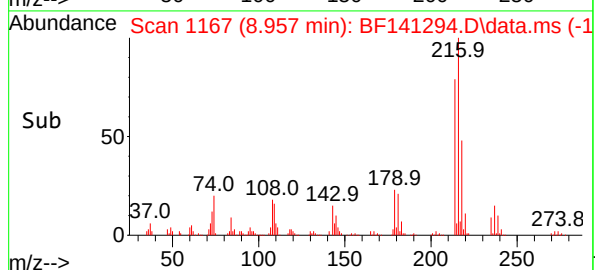
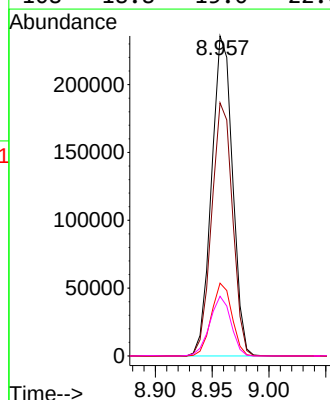
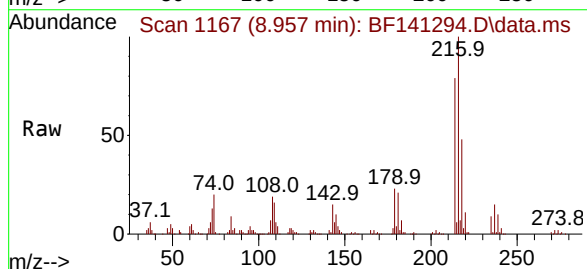
Ion Ratio Lower Upper

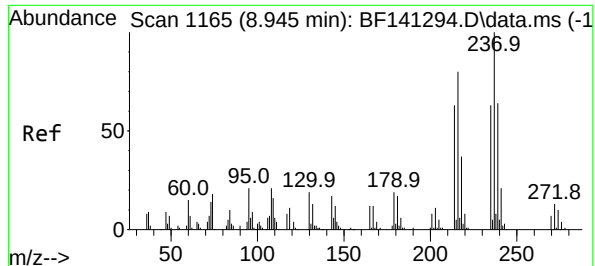
216 100

214 79.0 63.2 94.8

179 22.3 17.8 26.8

108 18.8 15.0 22.6

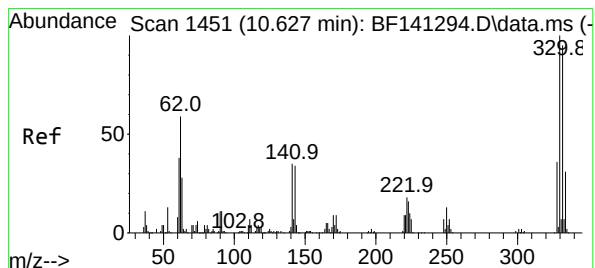
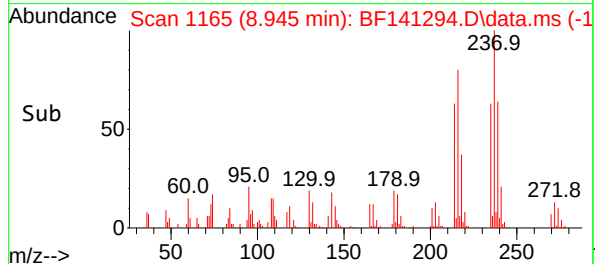
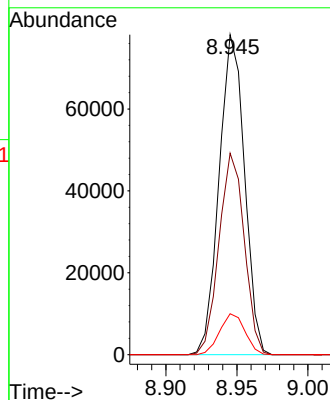
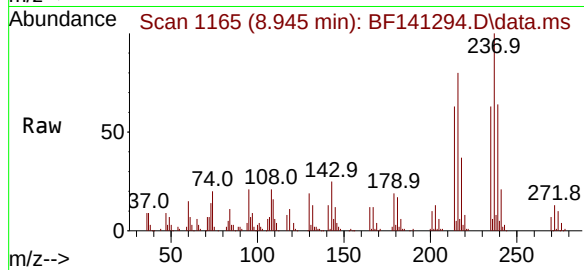




#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

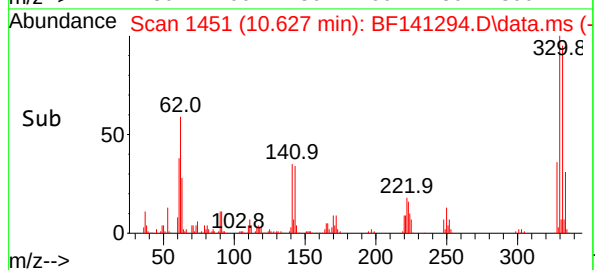
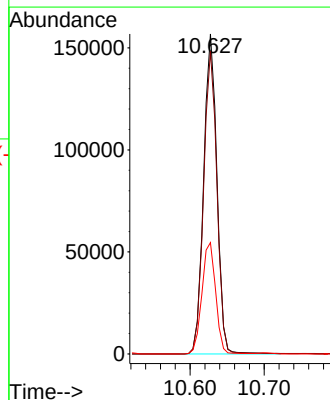
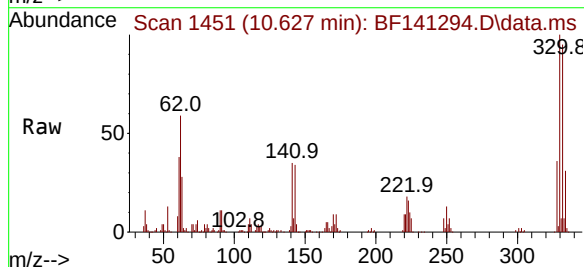
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

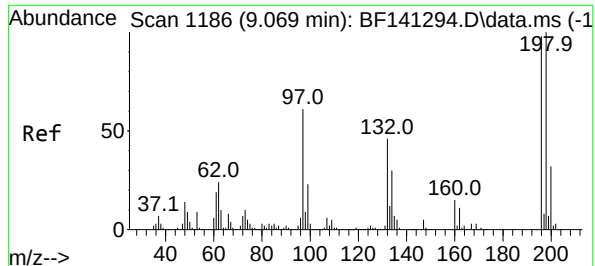
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.8	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	36.0	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 39.181 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

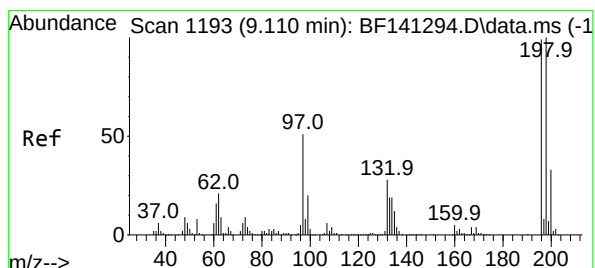
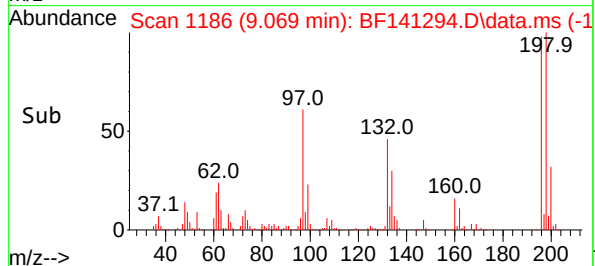
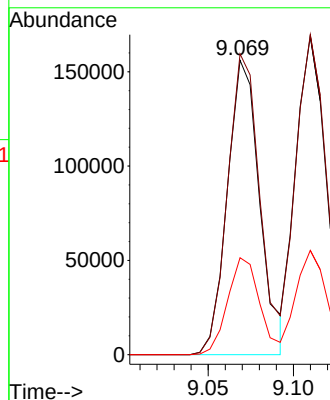
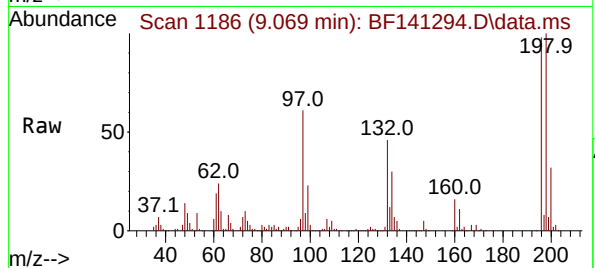
Tgt Ion:196 Resp: 205797

Ion Ratio Lower Upper

196 100

198 102.2 81.8 122.6

200 32.9 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.346 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

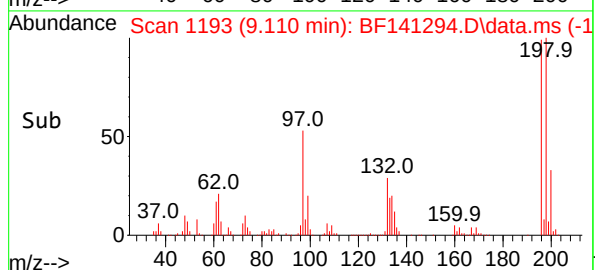
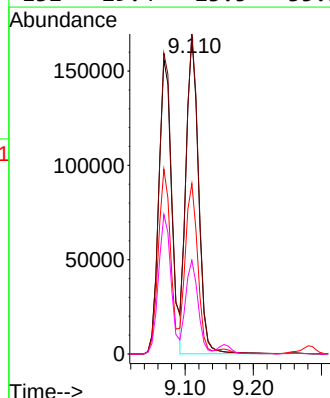
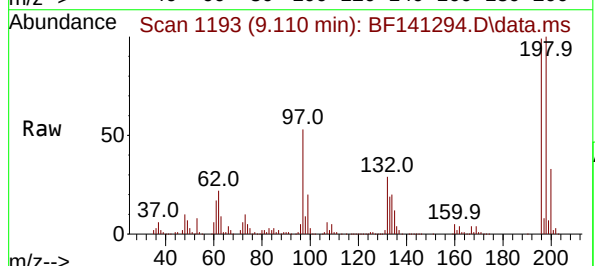
Ion Ratio Lower Upper

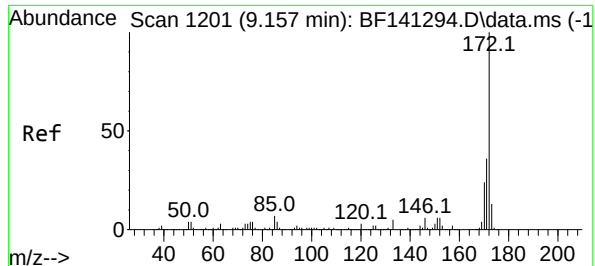
196 100

198 100.6 80.5 120.7

97 53.5 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 73.029 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

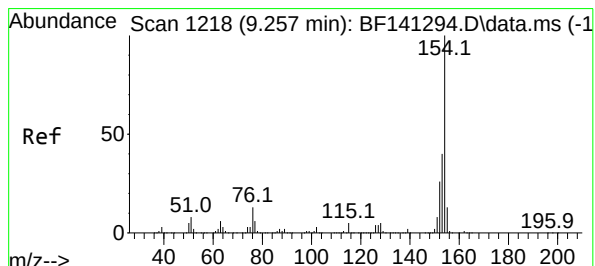
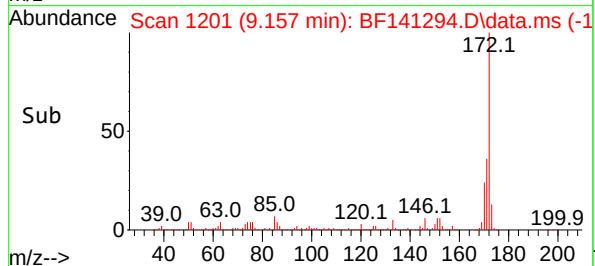
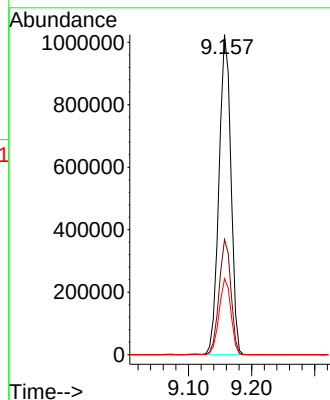
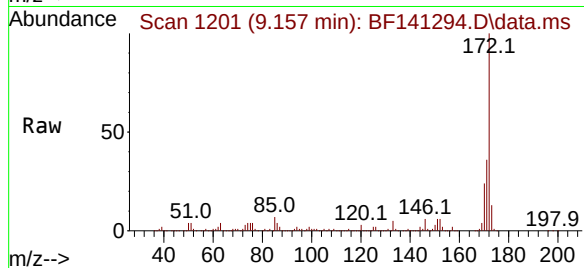
Tgt Ion:172 Resp: 1339709

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 37.278 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

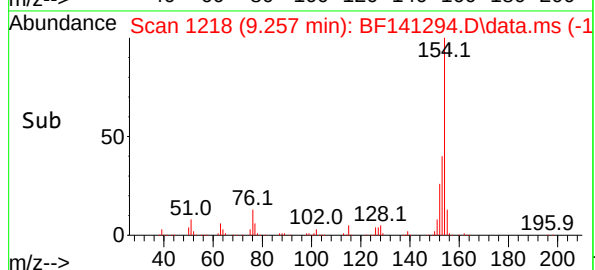
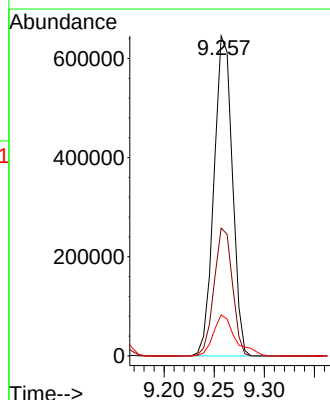
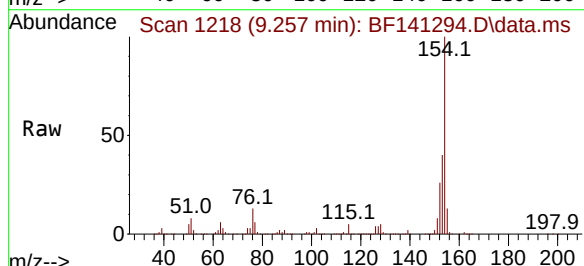
Tgt Ion:154 Resp: 823004

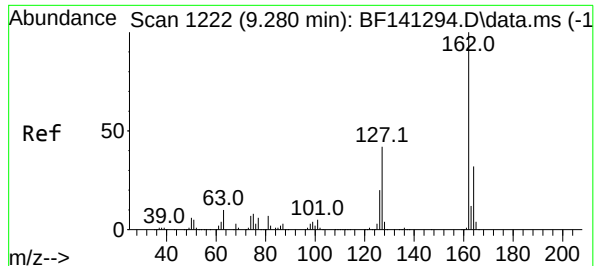
Ion Ratio Lower Upper

154 100

153 40.0 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 37.020 ng

RT: 9.280 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

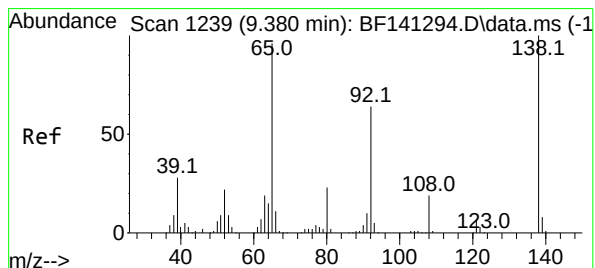
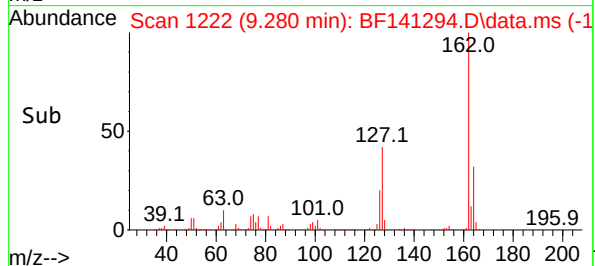
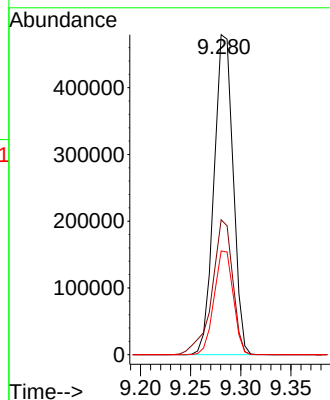
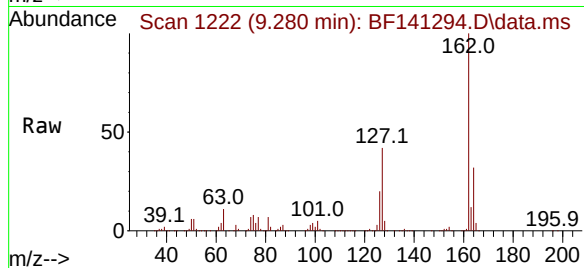
Tgt Ion:162 Resp: 634814

Ion Ratio Lower Upper

162 100

127 42.1 33.7 50.5

164 32.4 25.9 38.9



#48

2-Nitroaniline

Concen: 38.089 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

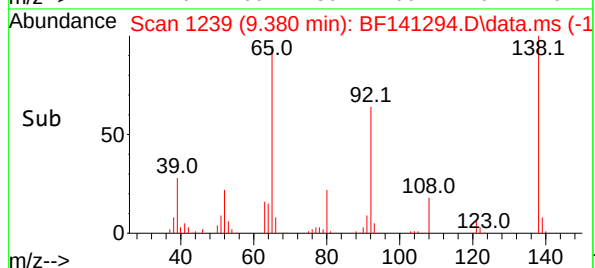
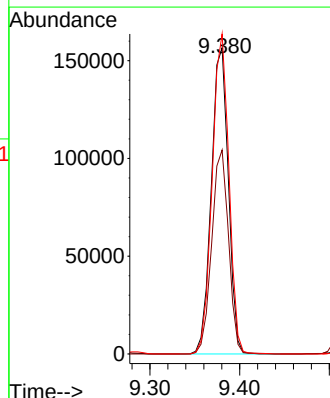
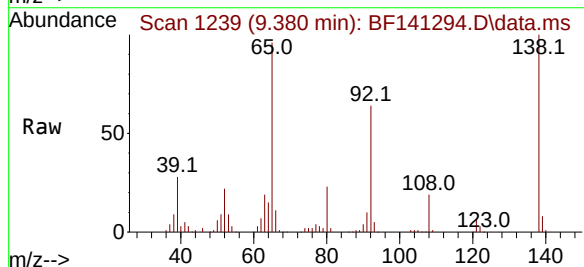
Tgt Ion: 65 Resp: 205997

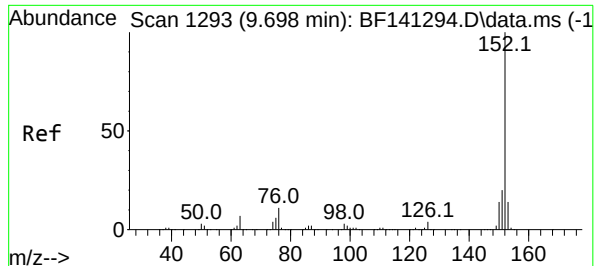
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 37.483 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

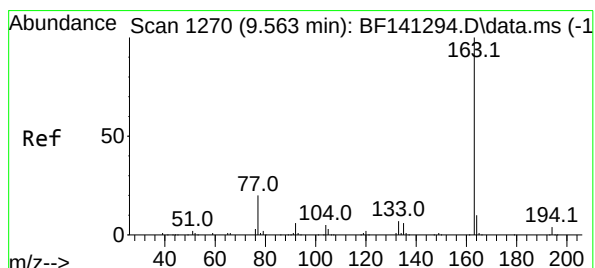
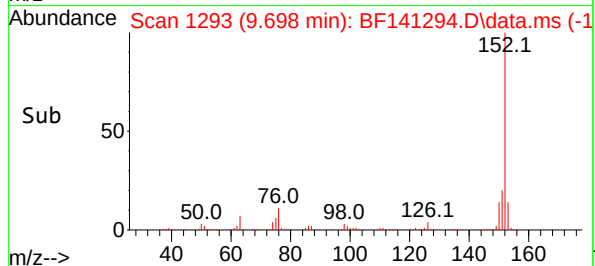
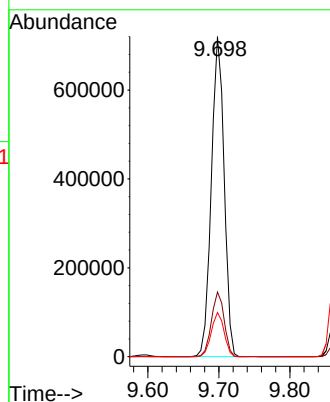
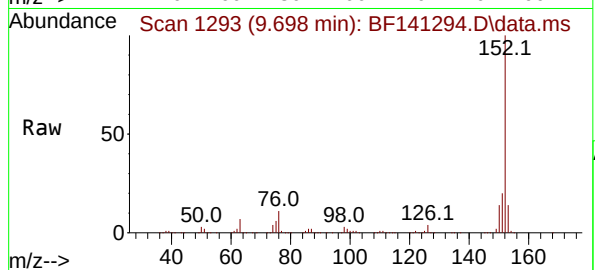
Tgt Ion:152 Resp: 902715

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.8 11.0 16.6



#50

Dimethylphthalate

Concen: 36.945 ng

RT: 9.563 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

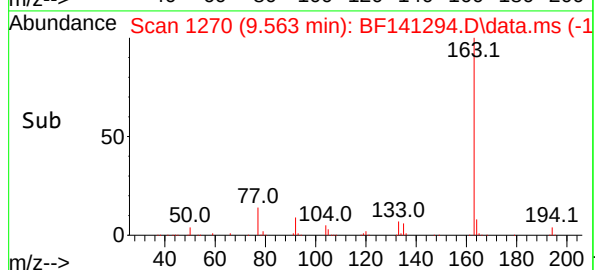
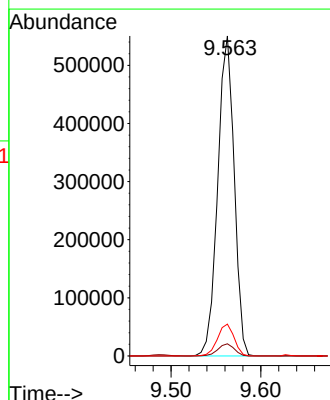
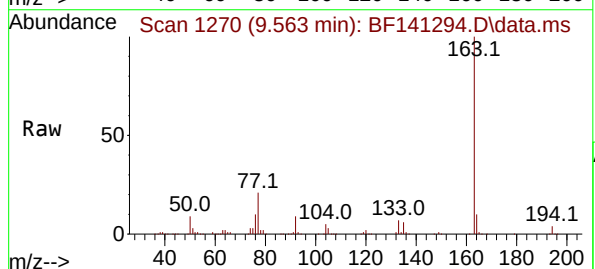
Tgt Ion:163 Resp: 701107

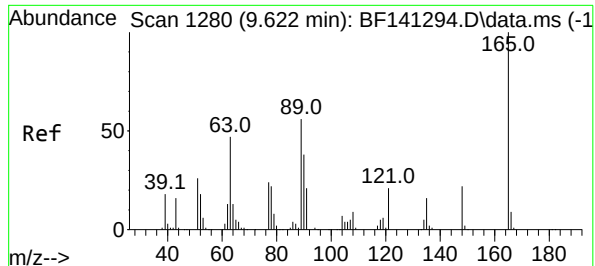
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 37.909 ng

RT: 9.622 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

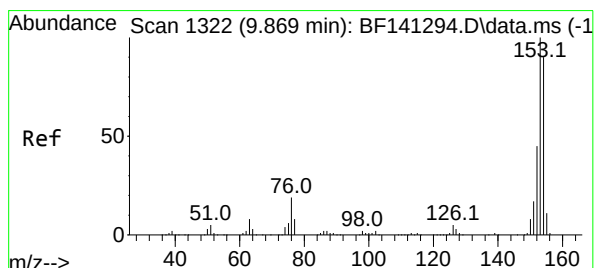
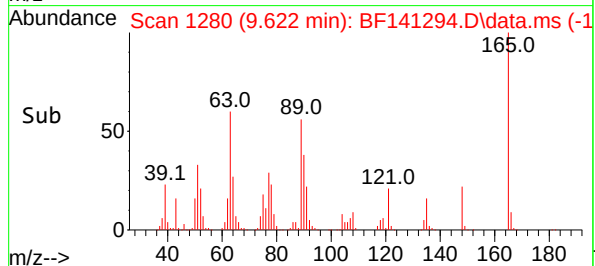
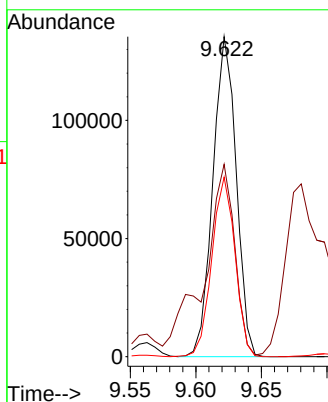
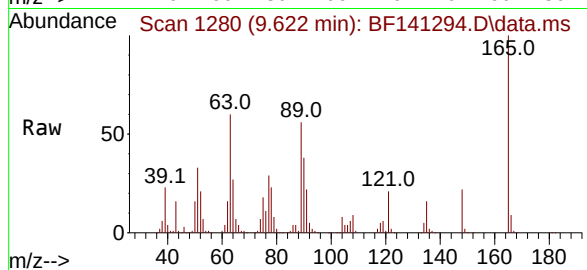
Tgt Ion:165 Resp: 167409

Ion Ratio Lower Upper

165 100

63 60.1 48.1 72.1

89 56.1 44.9 67.3



#52

Acenaphthene

Concen: 37.266 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

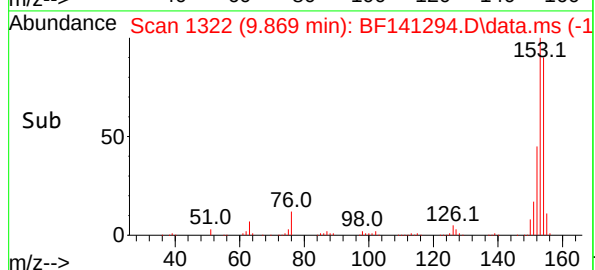
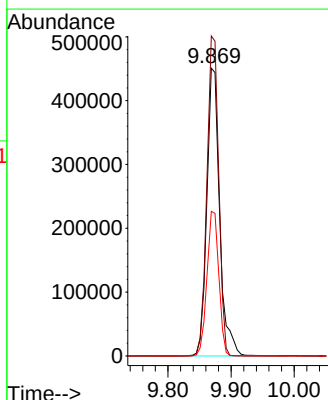
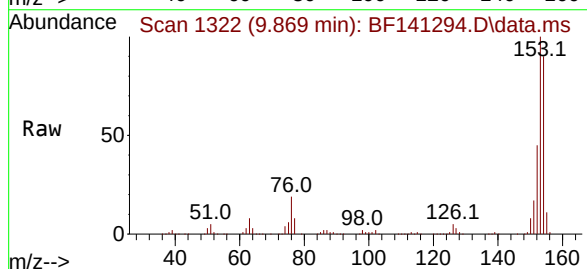
Tgt Ion:154 Resp: 638597

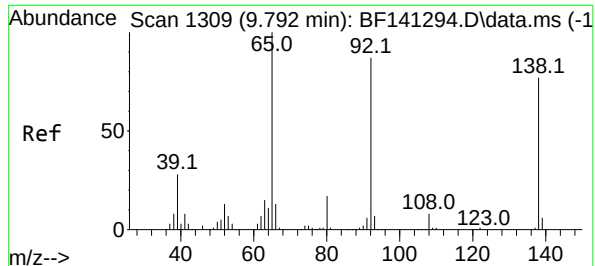
Ion Ratio Lower Upper

154 100

153 111.2 89.0 133.4

152 50.3 40.2 60.4

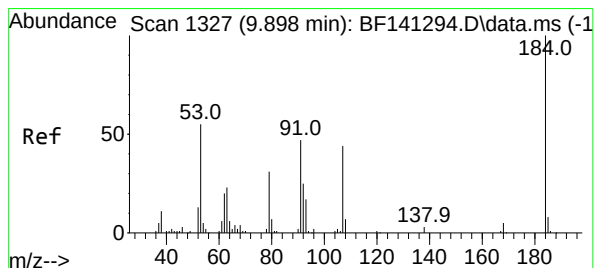
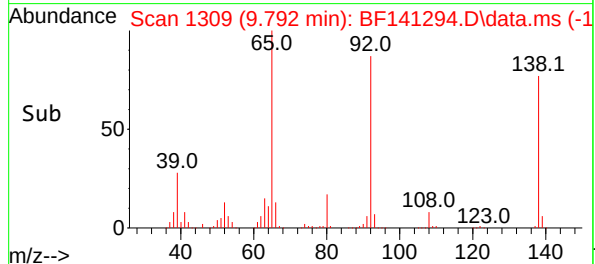
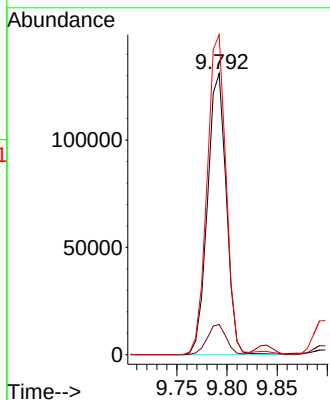
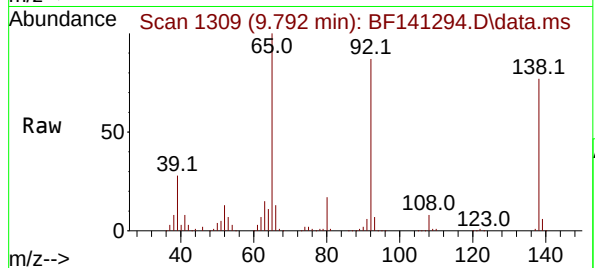




#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

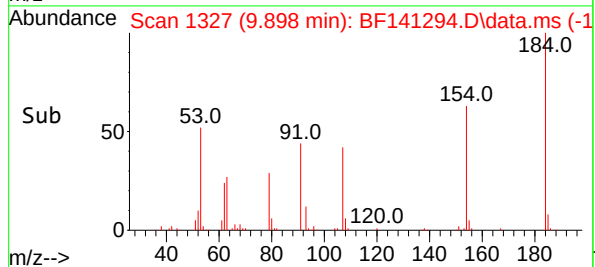
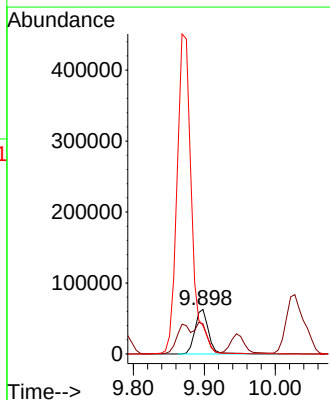
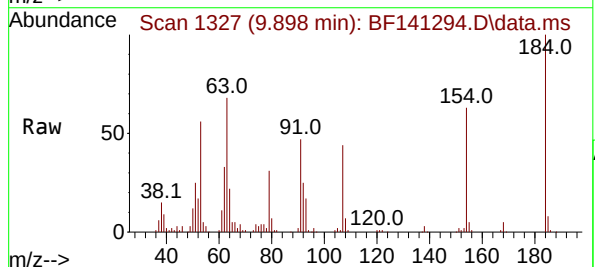
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

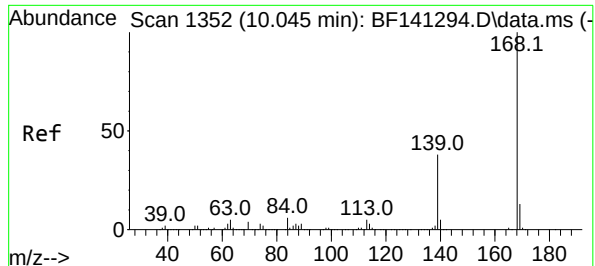
Tgt Ion:138 Resp: 171409
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 113.8 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282
Ion Ratio Lower Upper
184 100
63 67.6 54.1 81.1
154 63.4 50.7 76.1





#55

Dibenzenofuran

Concen: 37.490 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

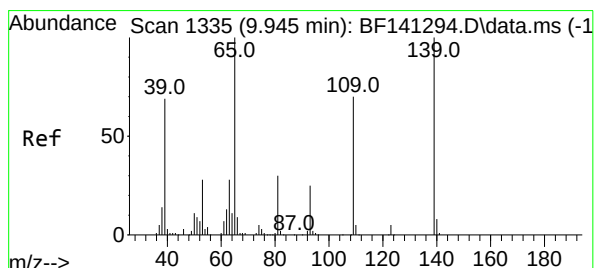
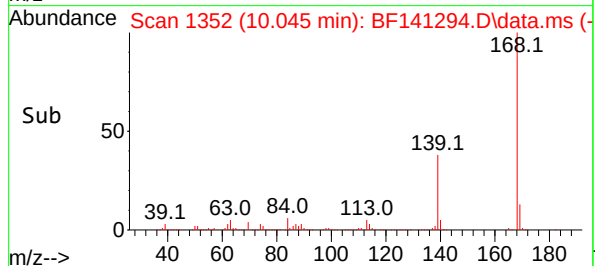
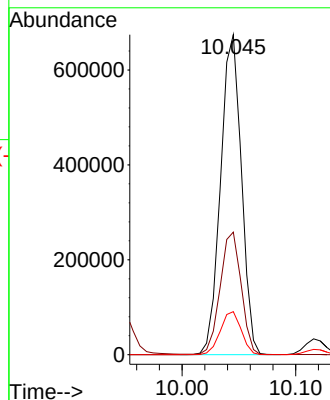
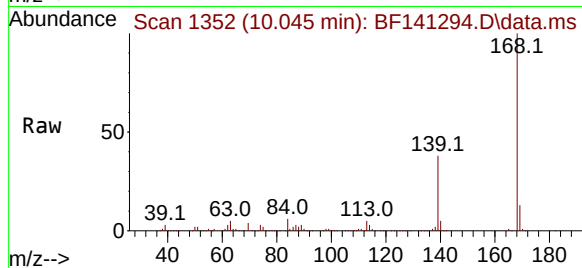
Tgt Ion:168 Resp: 859175

Ion Ratio Lower Upper

168 100

139 38.3 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 40.349 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

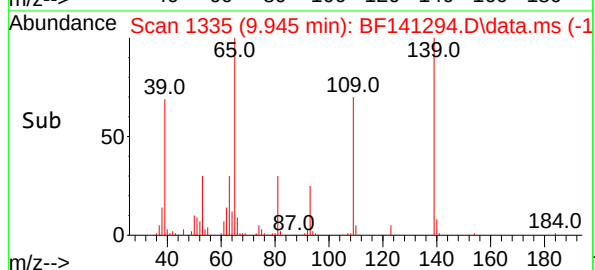
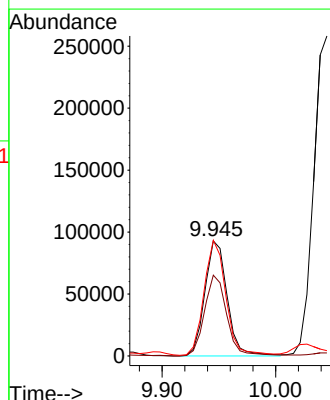
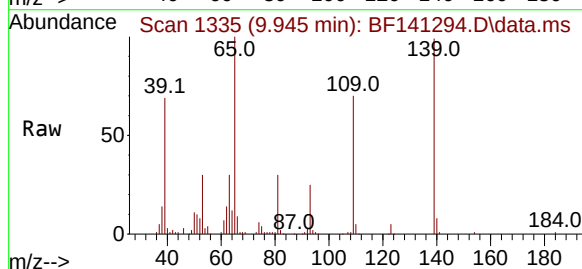
Tgt Ion:139 Resp: 126536

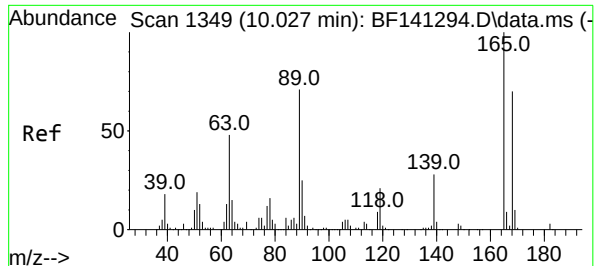
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

65 100.6 80.6 120.6





#57

2,4-Dinitrotoluene

Concen: 38.382 ng

RT: 10.027 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:165 Resp: 218627

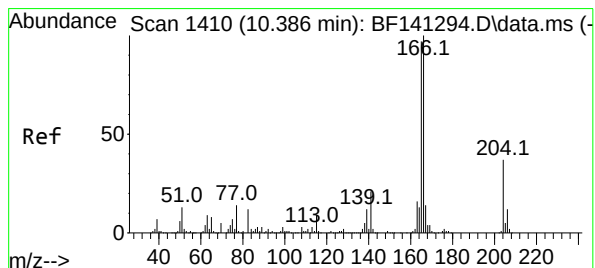
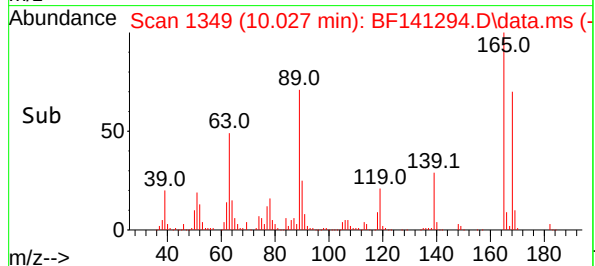
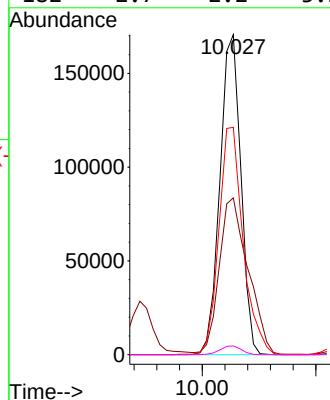
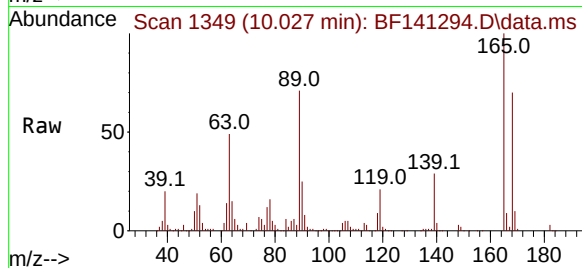
Ion Ratio Lower Upper

165 100

63 49.0 39.2 58.8

89 71.1 56.9 85.3

182 2.7 2.2 3.2



#58

Fluorene

Concen: 37.076 ng

RT: 10.386 min Scan# 1410

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

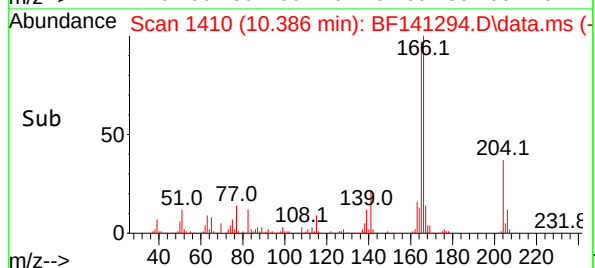
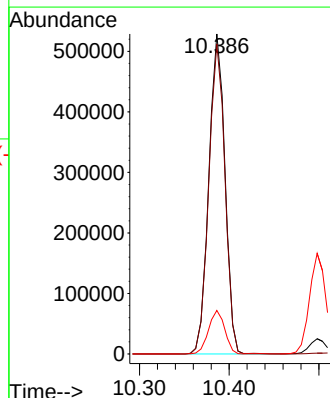
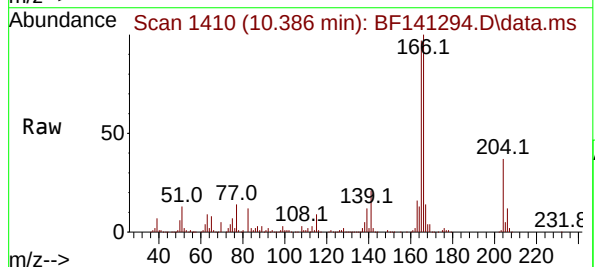
Tgt Ion:166 Resp: 660612

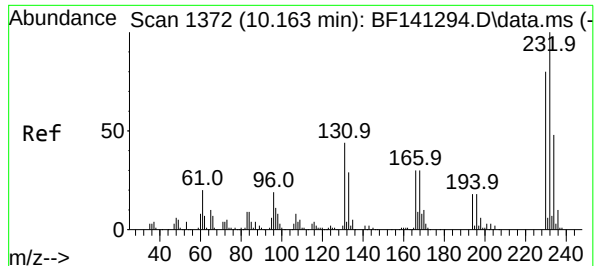
Ion Ratio Lower Upper

166 100

165 96.9 77.5 116.3

167 13.6 10.9 16.3

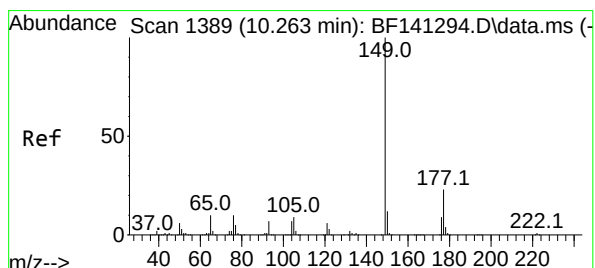
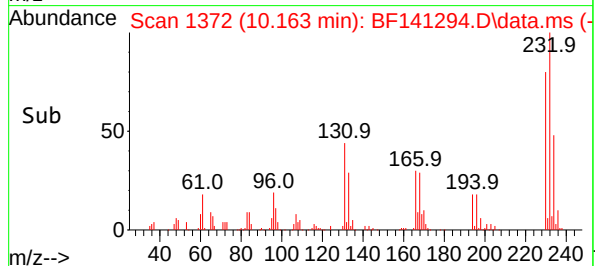
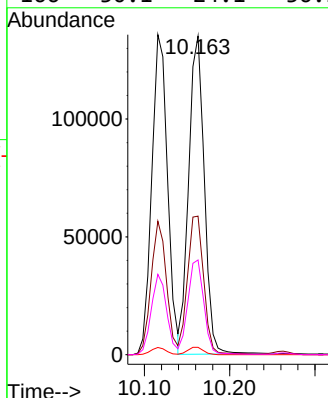
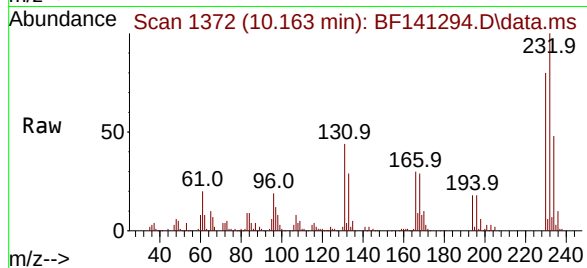




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

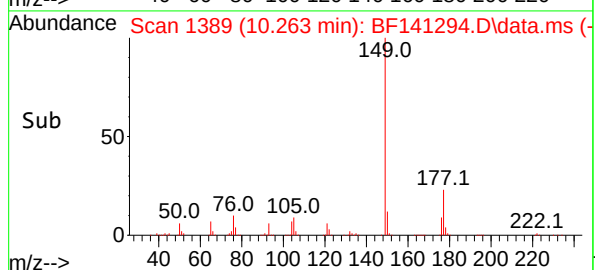
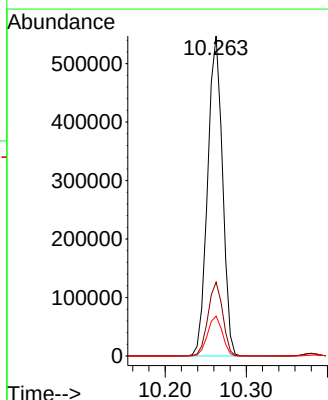
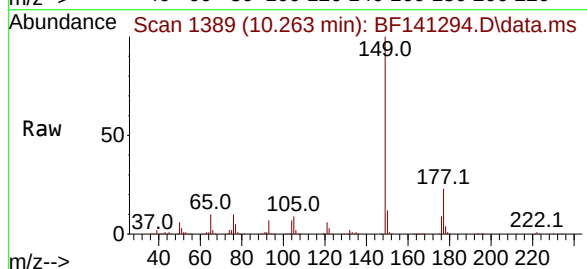
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

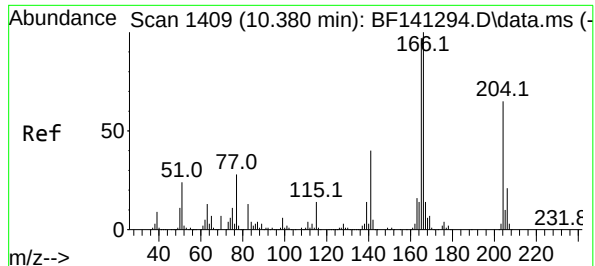
Tgt Ion:232 Resp: 172174
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.4 1.9 2.9
166 30.1 24.1 36.1



#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066
Ion Ratio Lower Upper
149 100
177 23.1 18.5 27.7
150 12.5 10.0 15.0

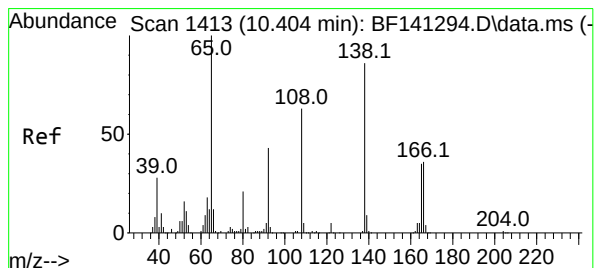
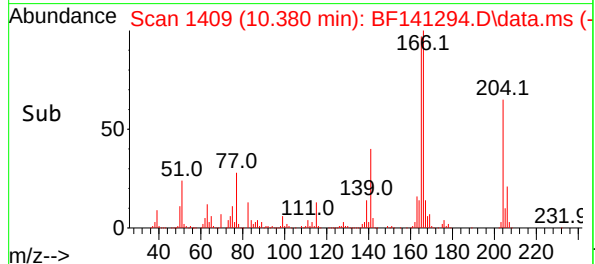
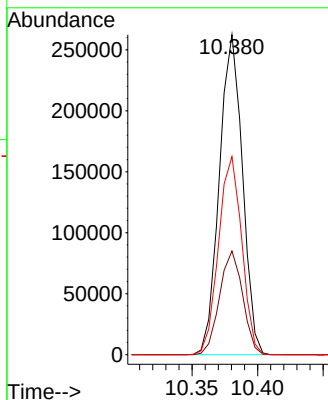
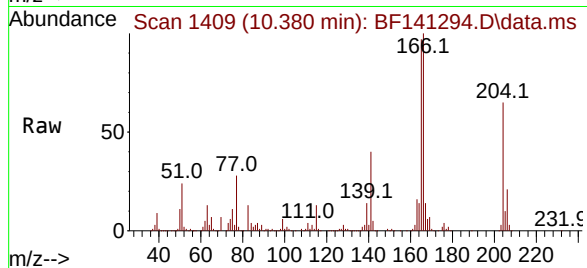




#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

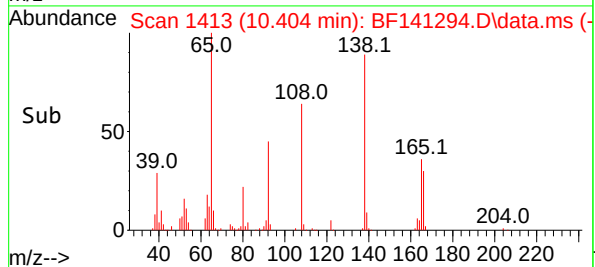
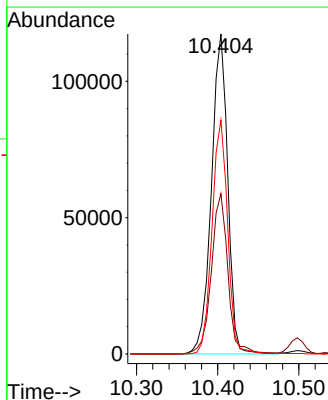
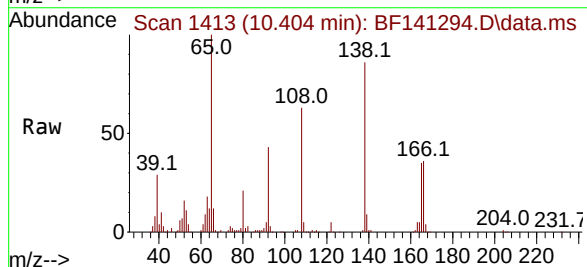
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

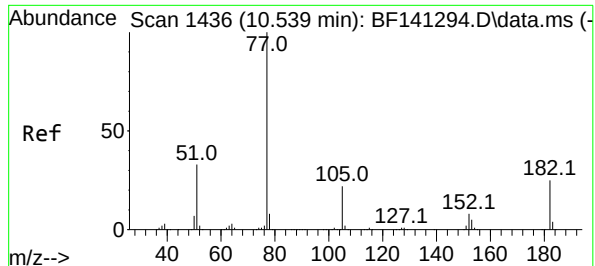
Tgt Ion:204 Resp: 321112
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 61.9 49.5 74.3



#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154
Ion Ratio Lower Upper
138 100
92 50.1 30.1 70.1
108 73.1 53.1 93.1

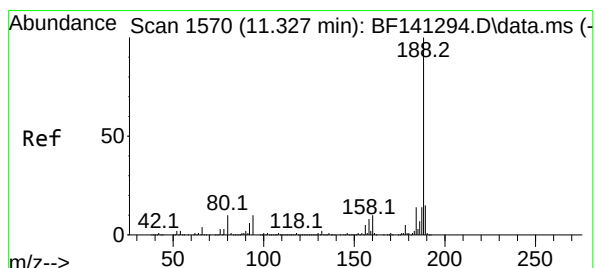
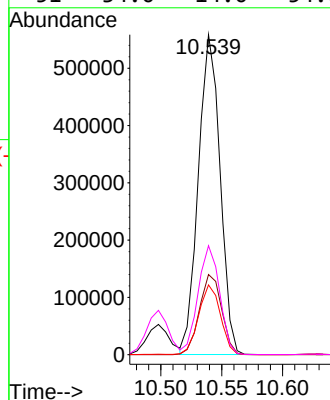
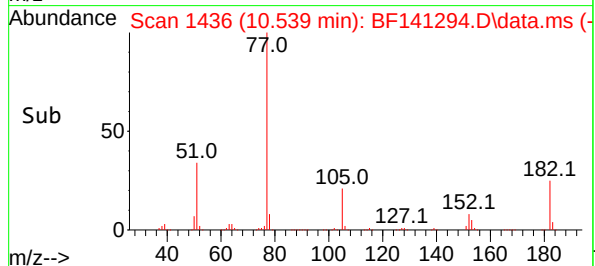
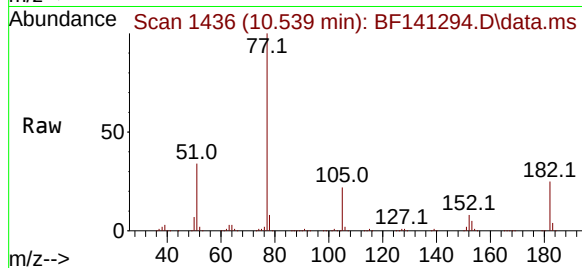




#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

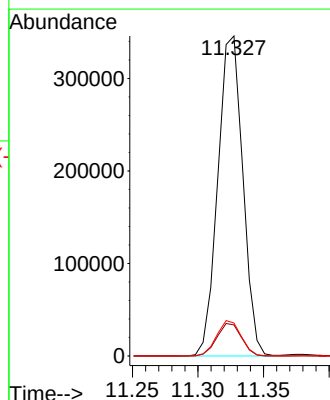
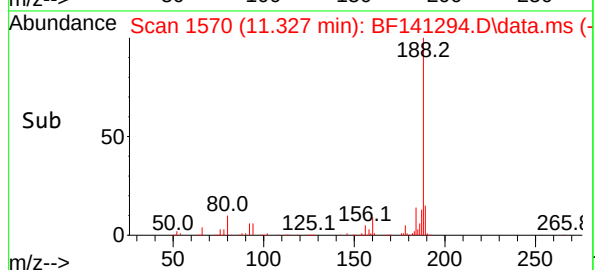
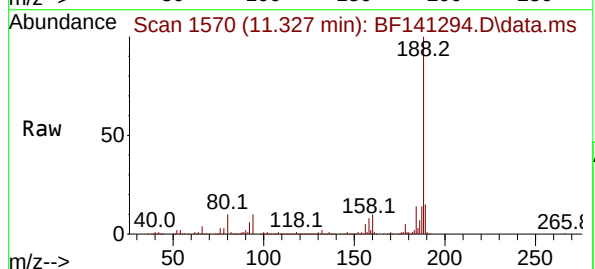
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

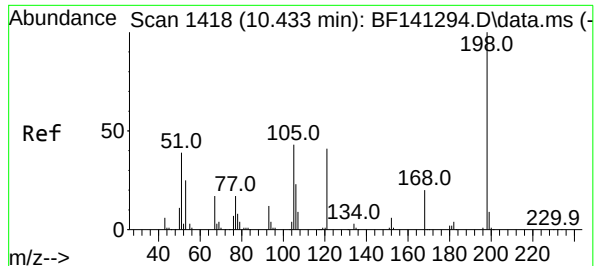
Tgt Ion:	77	Resp:	693050
Ion Ratio	Lower	Upper	
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	188	Resp:	458392
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4

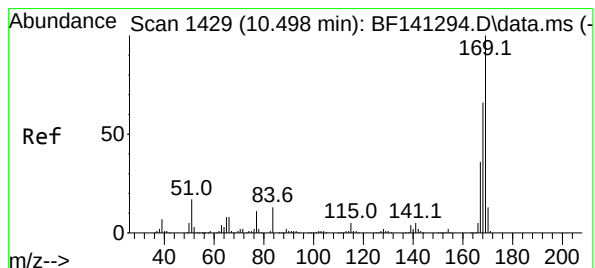
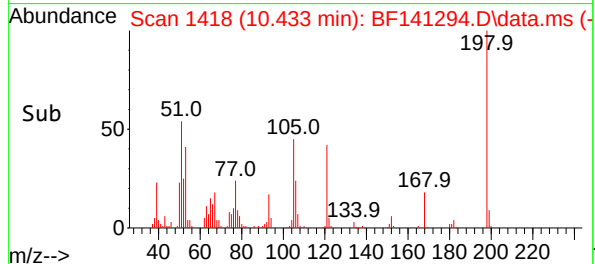
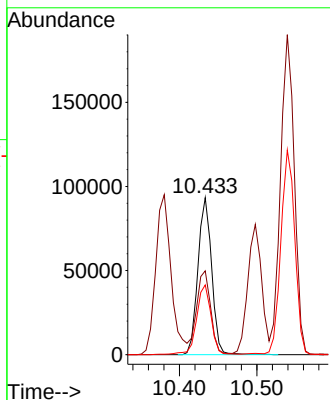
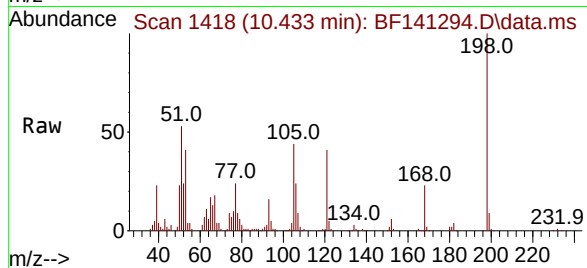




#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

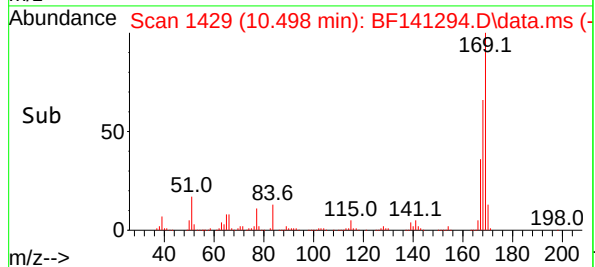
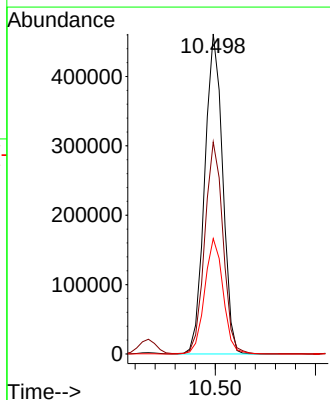
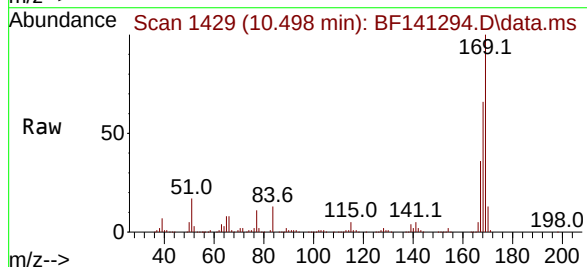
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

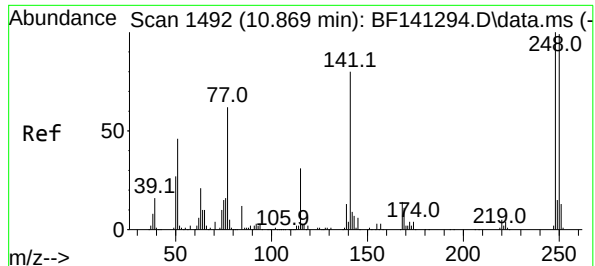
Tgt Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.4	73.4
105	44.4	24.4	64.4



#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.0	28.8	43.2

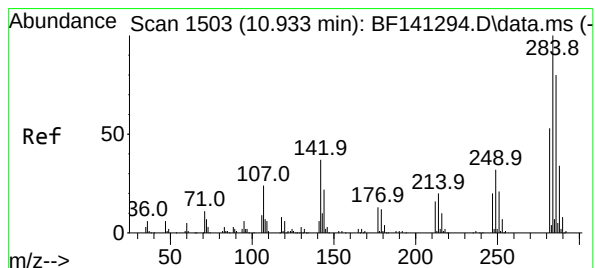
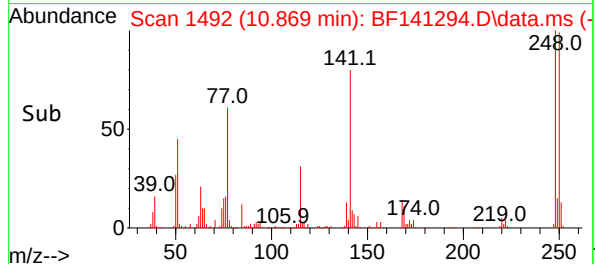
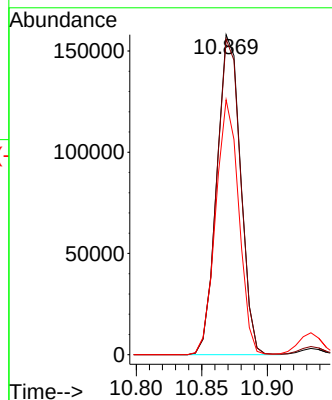
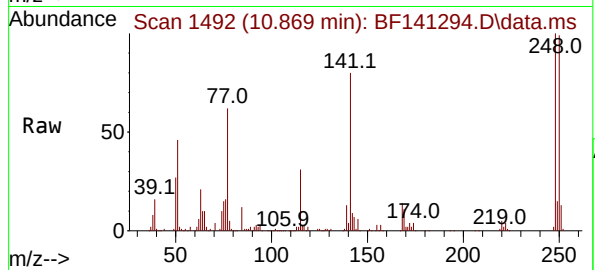




#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

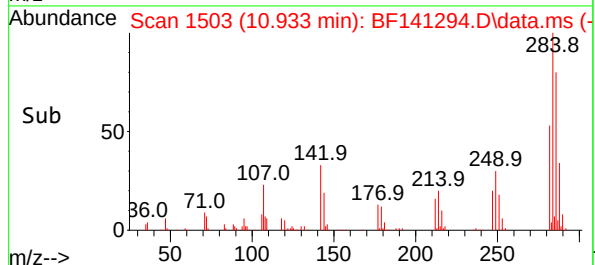
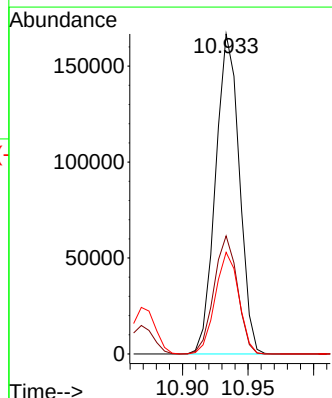
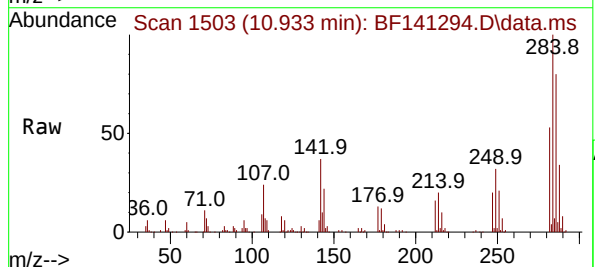
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

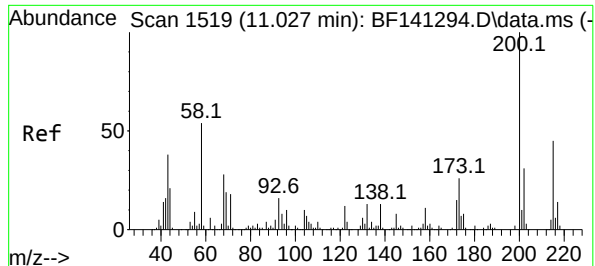
Tgt Ion:248 Resp: 198895
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.4
141 79.6 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 31.8 25.4 38.2

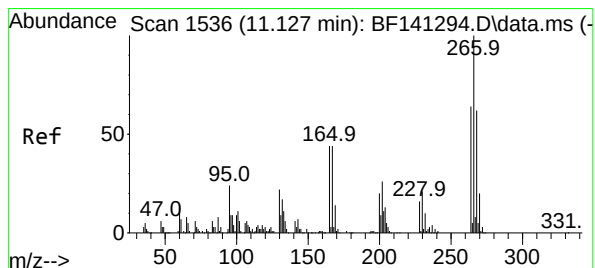
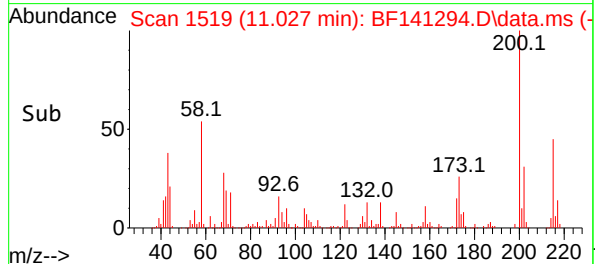
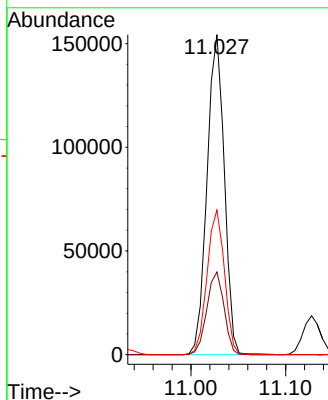
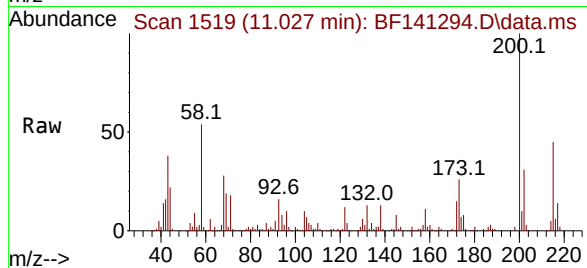




#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

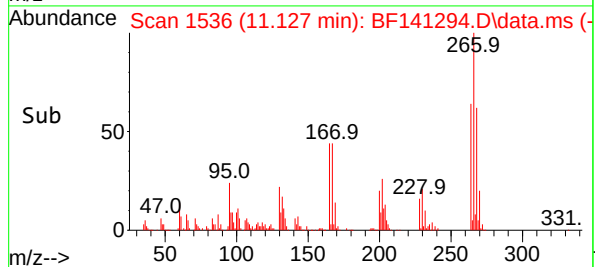
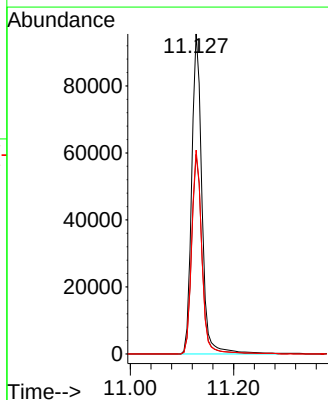
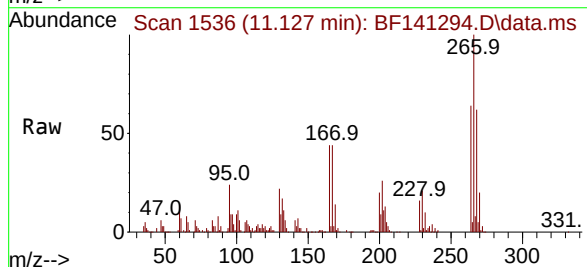
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

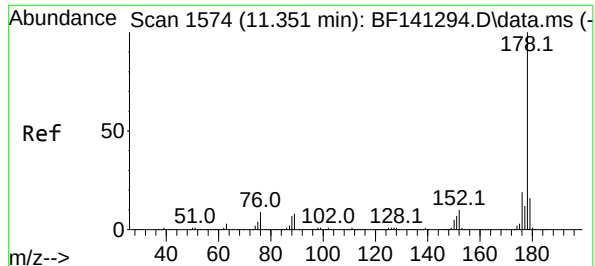
Tgt Ion:200 Resp: 195062
Ion Ratio Lower Upper
200 100
173 25.9 5.9 45.9
215 45.2 25.2 65.2



#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295
Ion Ratio Lower Upper
266 100
268 62.4 49.9 74.9
264 63.7 51.0 76.4

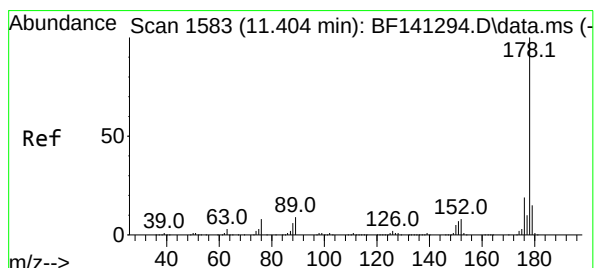
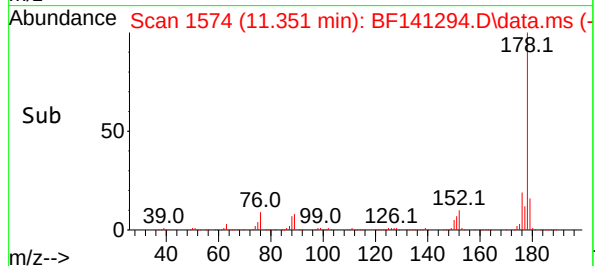
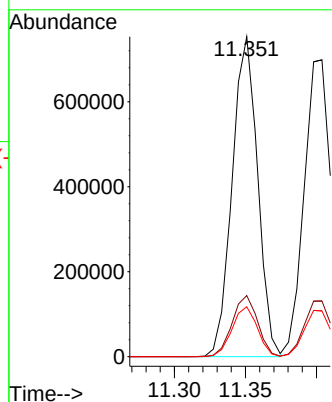
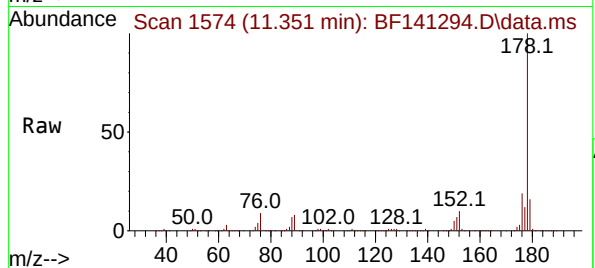




#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

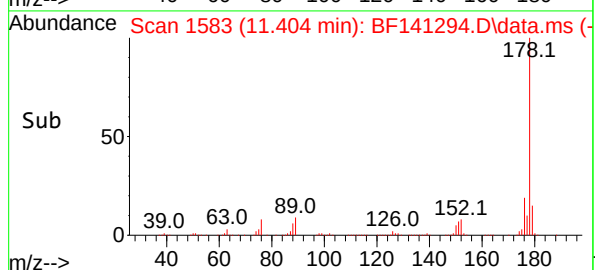
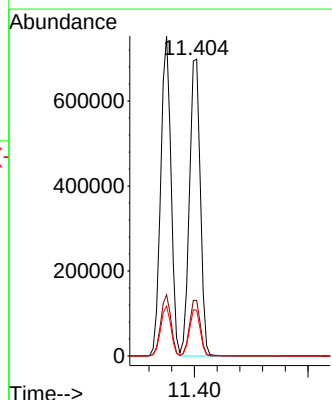
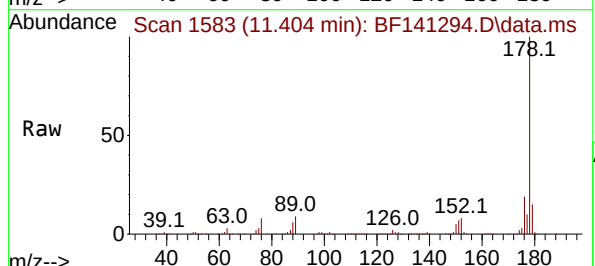
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

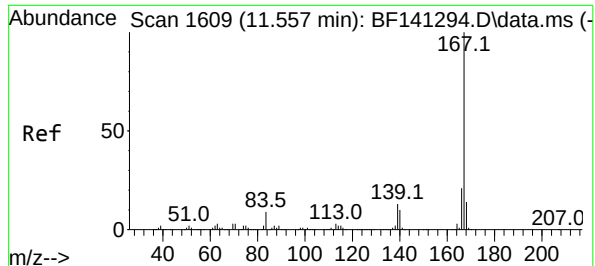
Tgt Ion:178 Resp: 940021
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.3 18.5

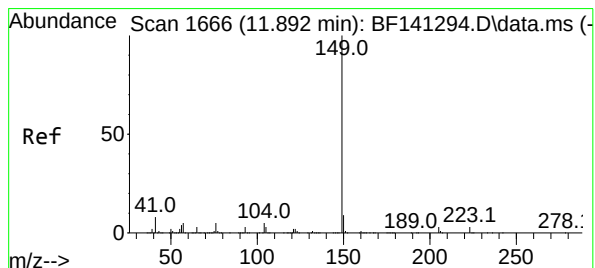
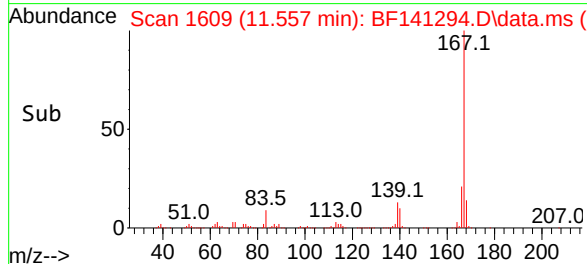
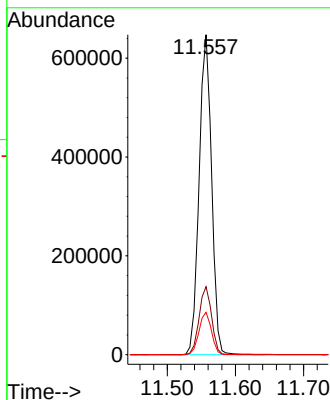
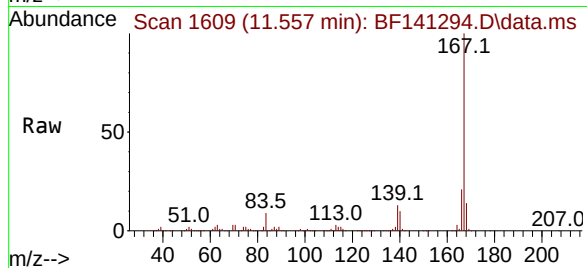




#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

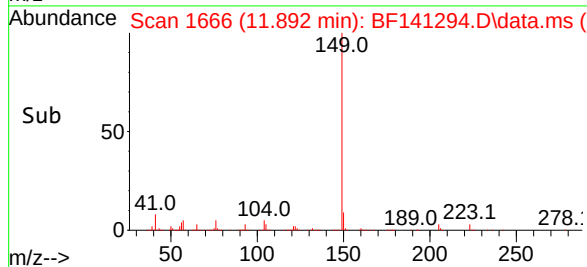
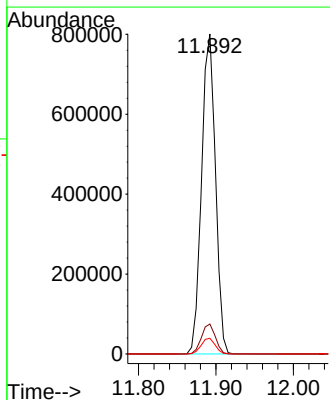
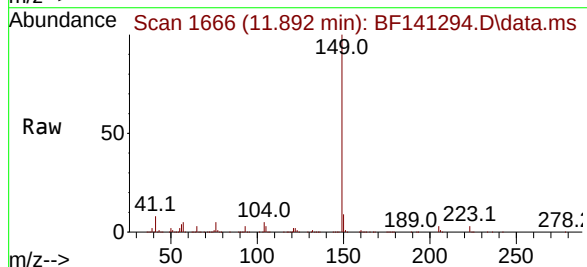
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

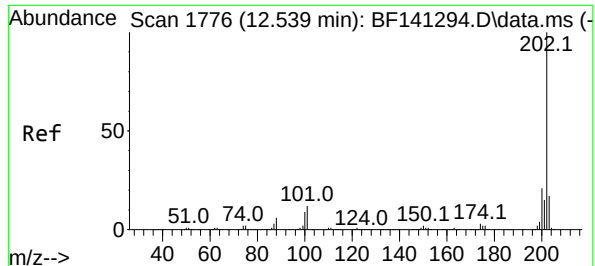
Tgt Ion:	167	Resp:	824095
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0



#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	149	Resp:	995172
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9

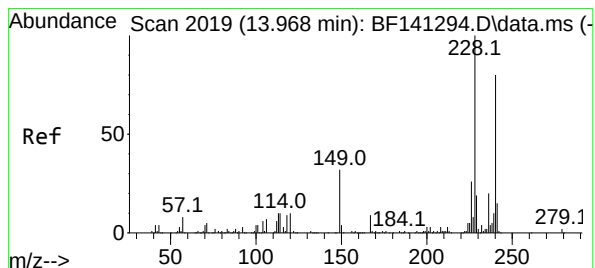
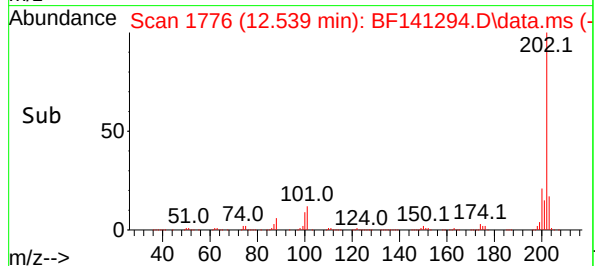
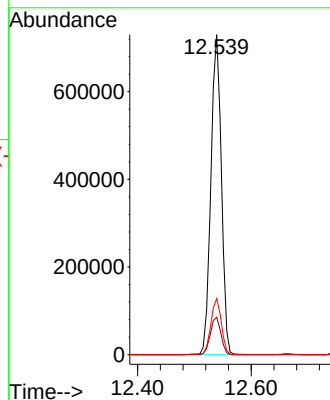
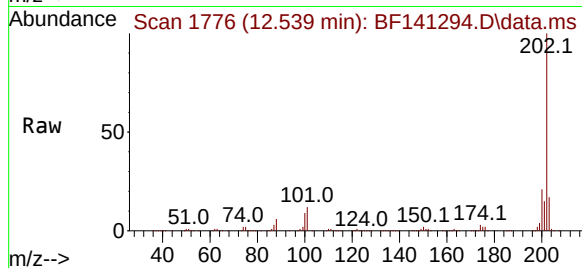




#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

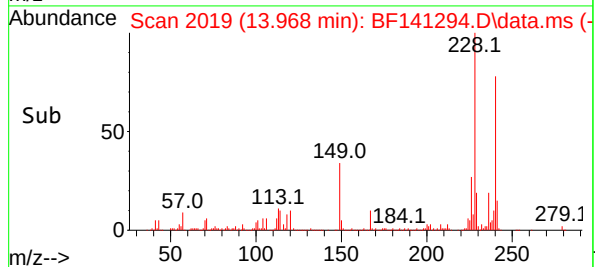
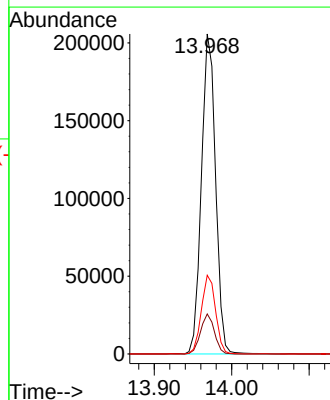
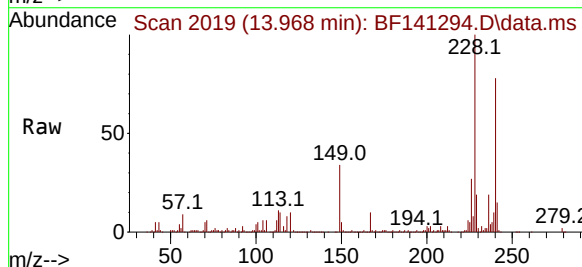
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

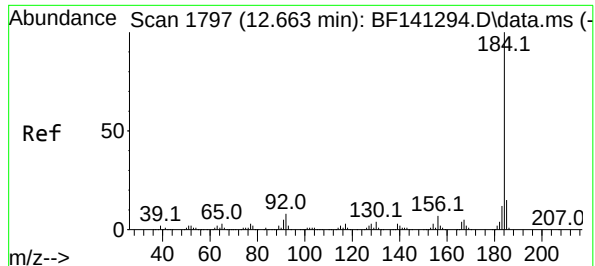
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5

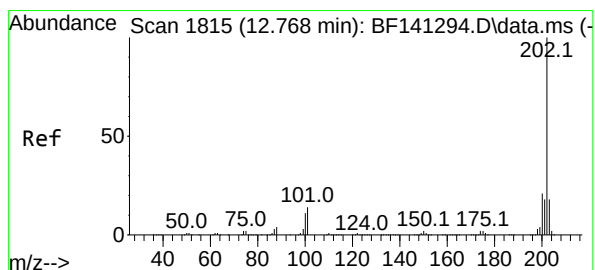
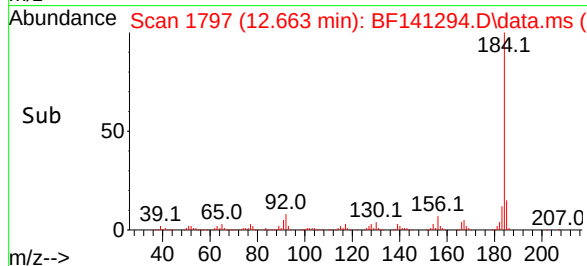
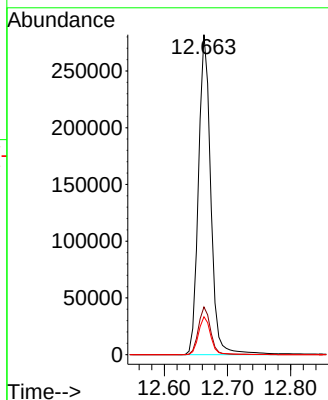
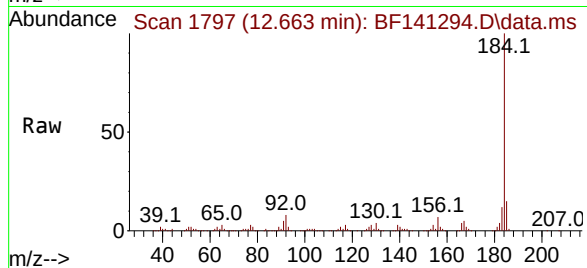




#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

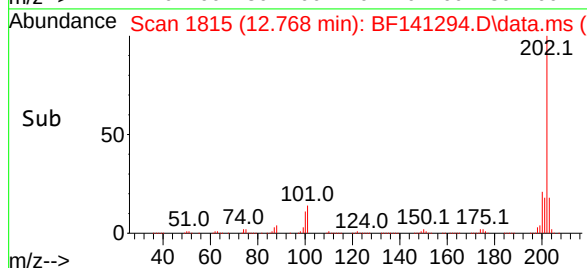
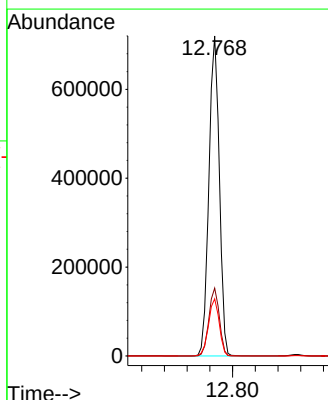
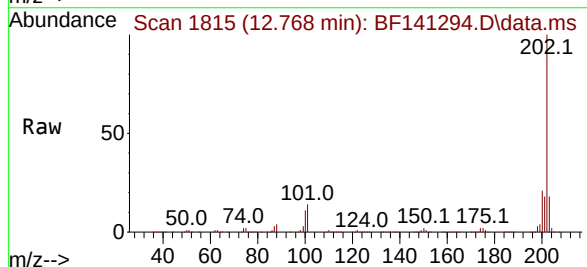
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

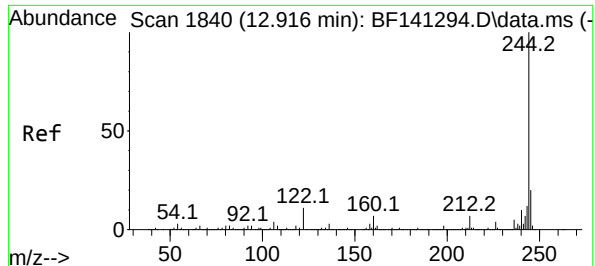
Tgt Ion:184 Resp: 380623
Ion Ratio Lower Upper
184 100
185 14.9 11.9 17.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:202 Resp: 914205
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5

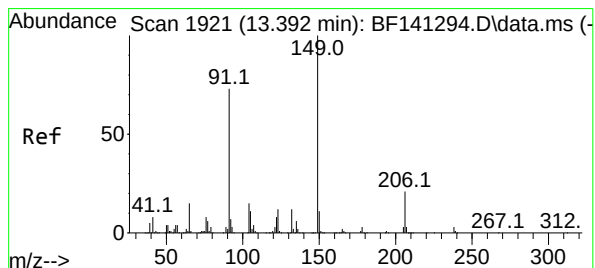
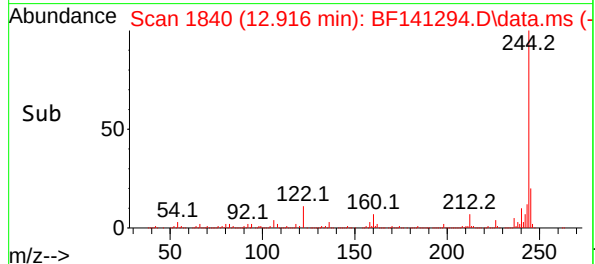
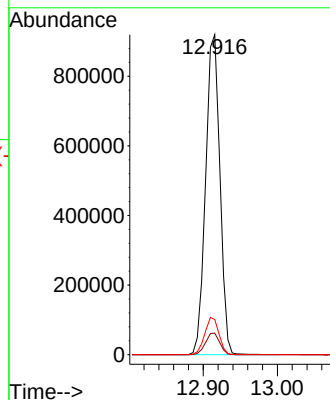
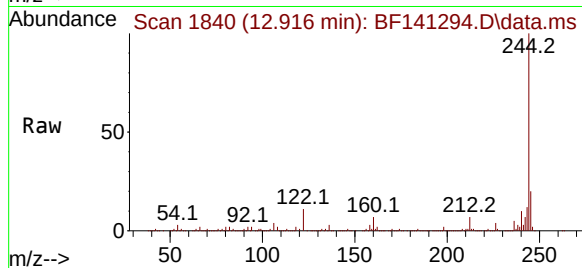




#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

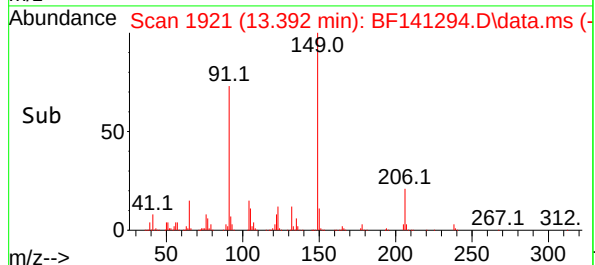
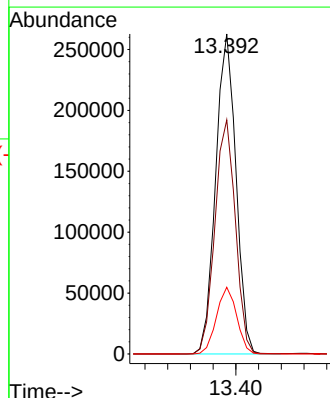
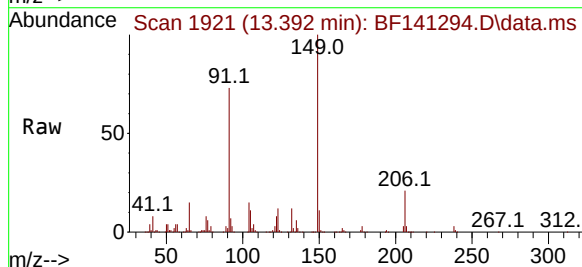
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

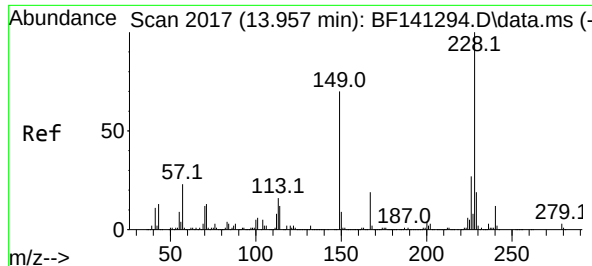
Tgt Ion:244 Resp: 1232977
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.0 8.8 13.2



#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158
Ion Ratio Lower Upper
149 100
91 73.2 58.6 87.8
206 20.9 16.7 25.1

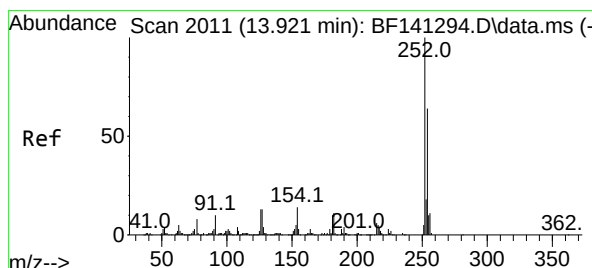
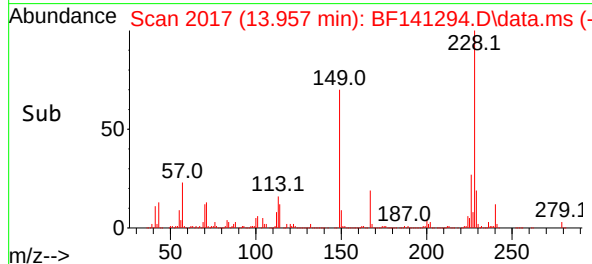
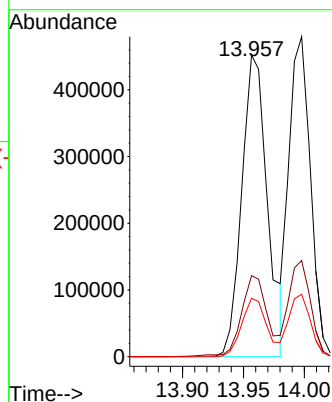
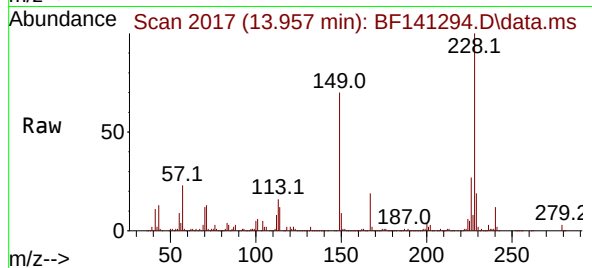




#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

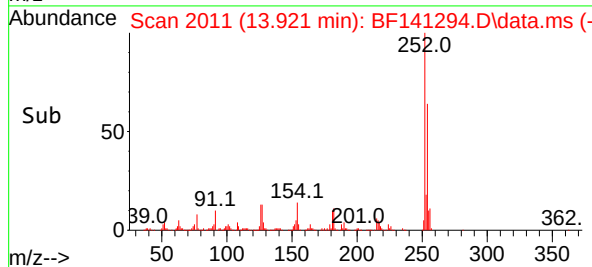
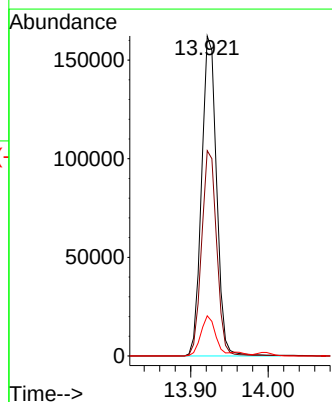
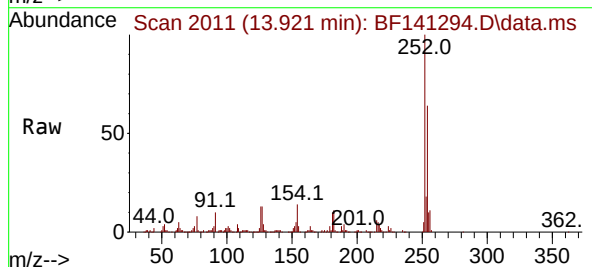
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

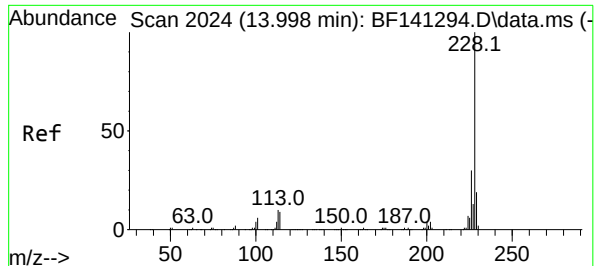
Tgt Ion:228 Resp: 661997
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.4 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856
Ion Ratio Lower Upper
252 100
254 64.1 51.3 76.9
126 12.5 10.0 15.0





#83

Chrysene

Concen: 35.738 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

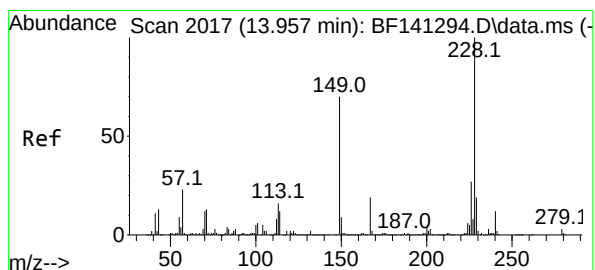
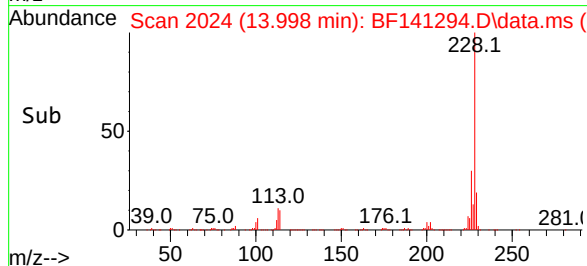
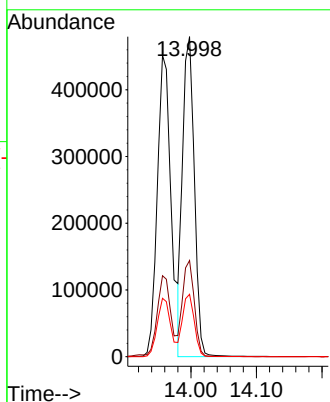
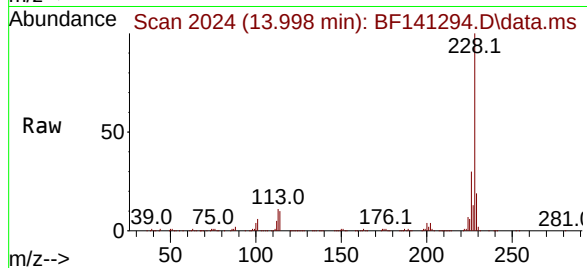
Tgt Ion:228 Resp: 591939

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.540 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

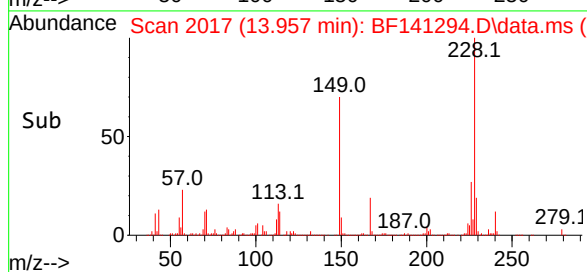
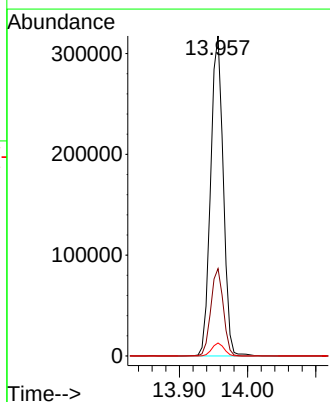
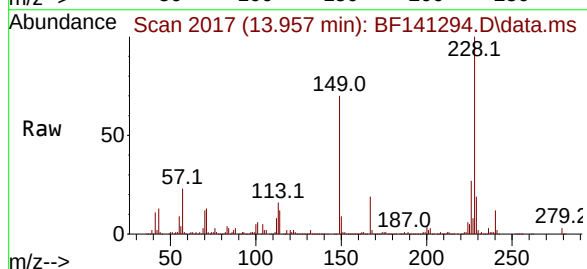
Tgt Ion:149 Resp: 409365

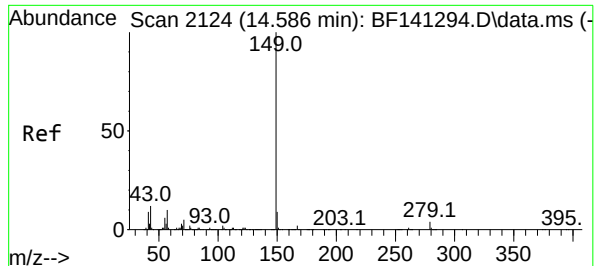
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

279 4.1 3.3 4.9

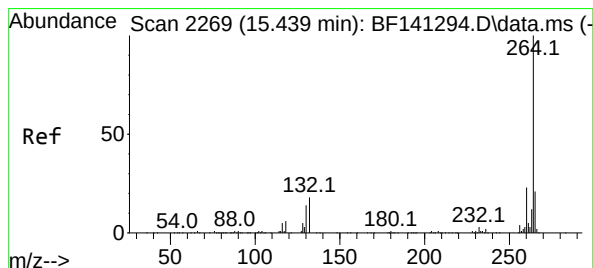
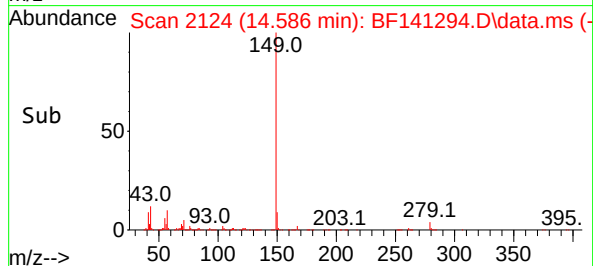
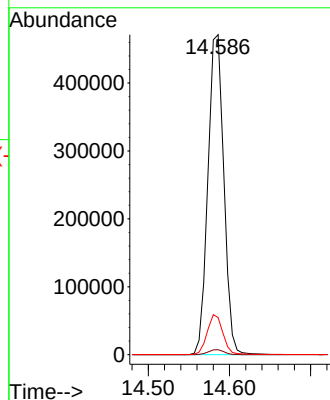
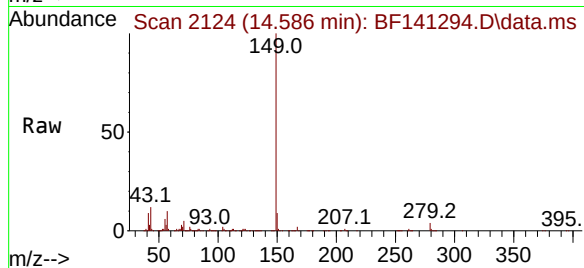




#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

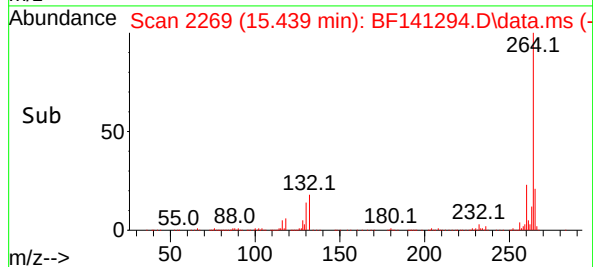
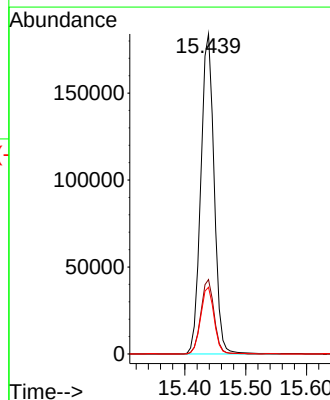
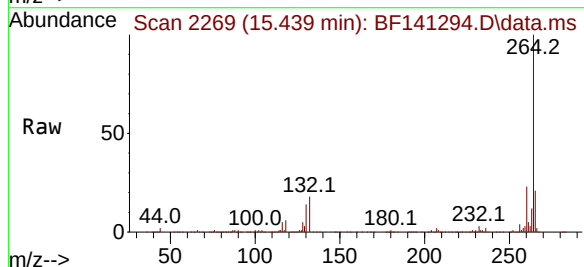
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

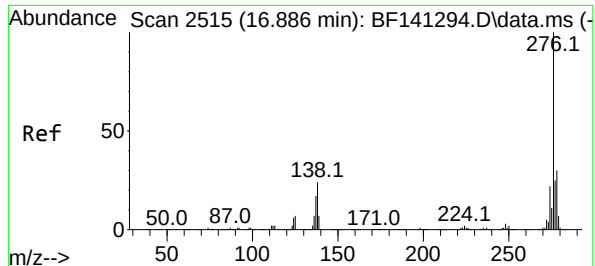
Tgt Ion:149 Resp: 640977
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.503 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

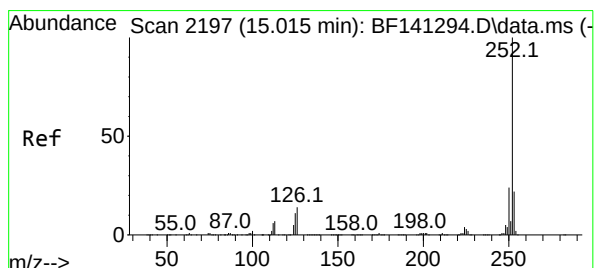
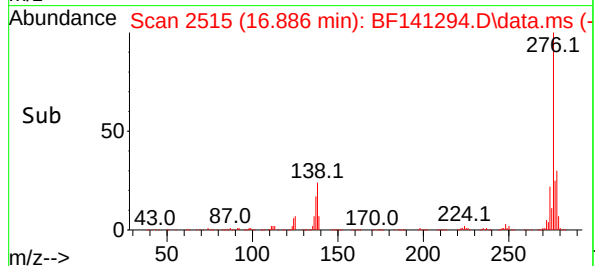
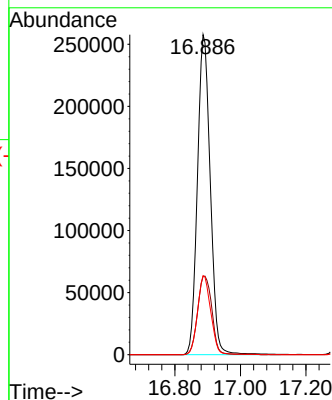
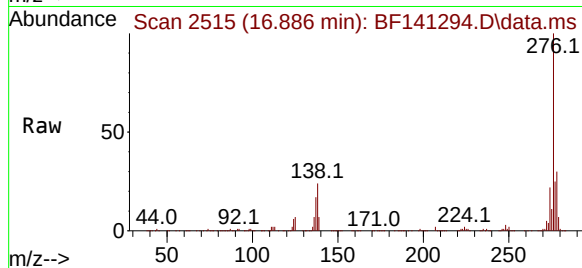
Tgt Ion:276 Resp: 702692

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.061 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

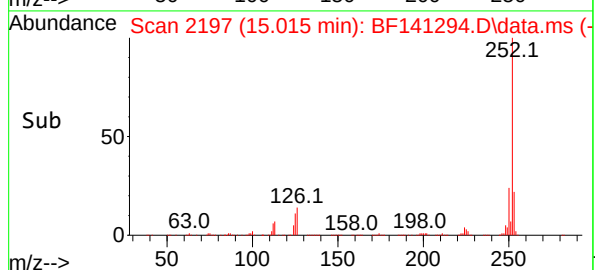
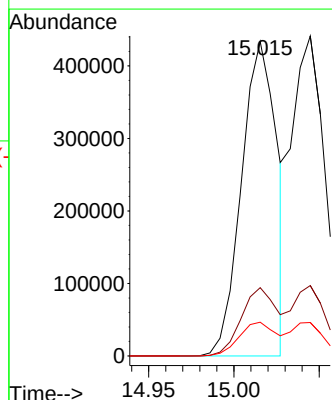
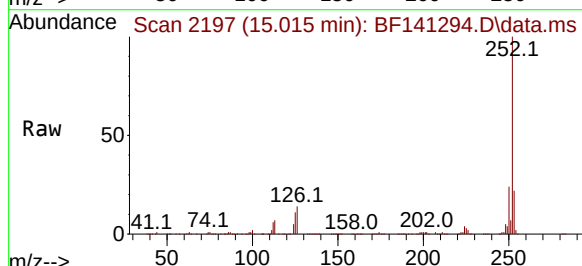
Tgt Ion:252 Resp: 625758

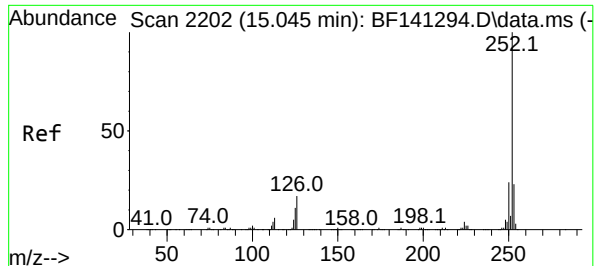
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 38.959 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

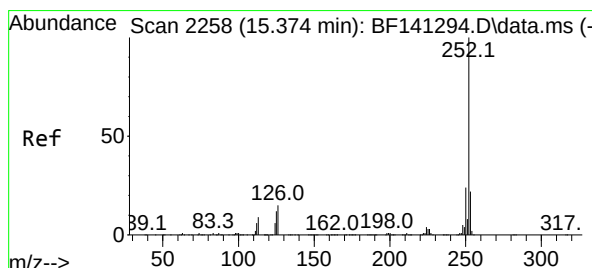
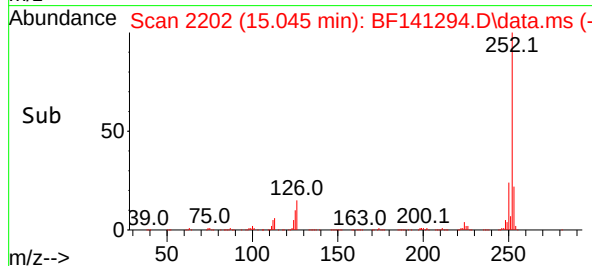
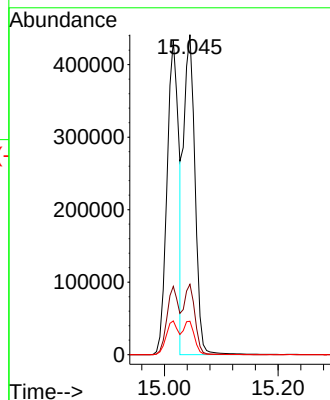
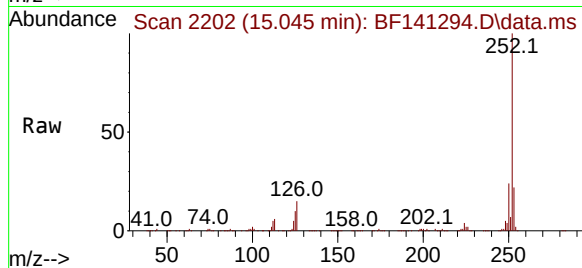
Tgt Ion:252 Resp: 605401

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 38.096 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

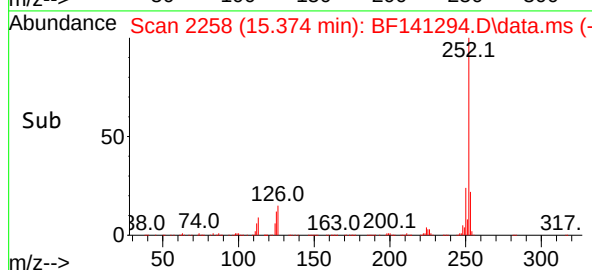
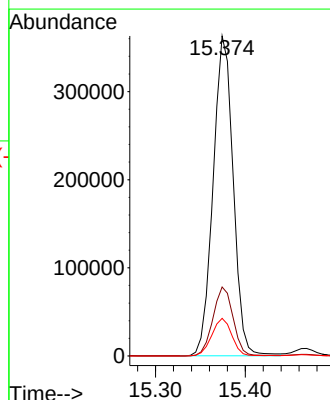
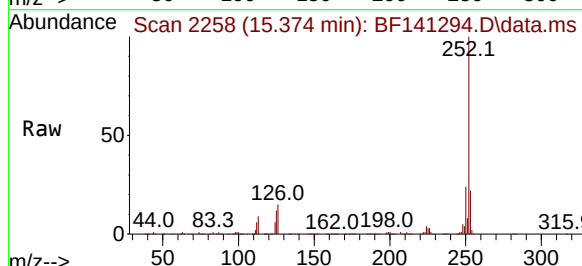
Tgt Ion:252 Resp: 564975

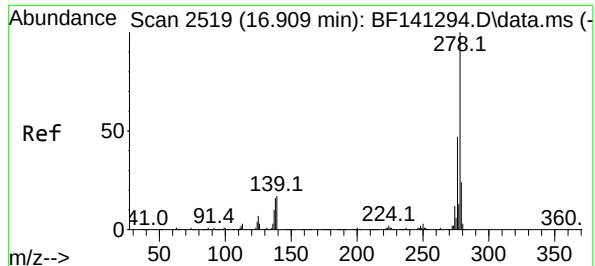
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 38.812 ng

RT: 16.909 min Scan# 2519

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

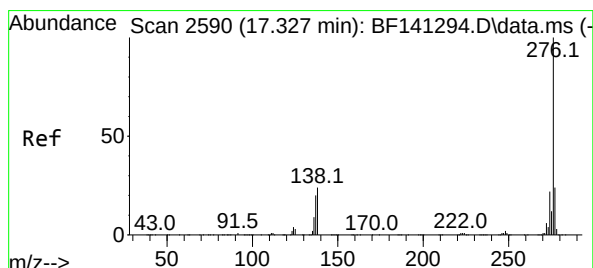
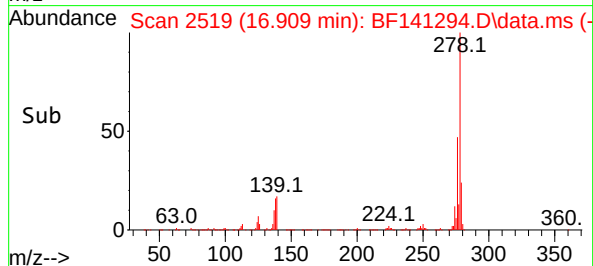
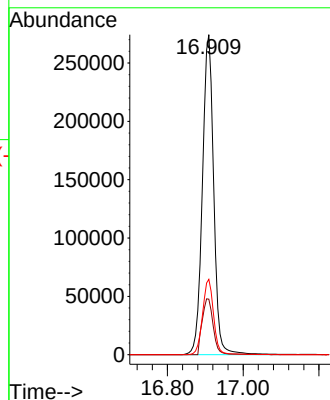
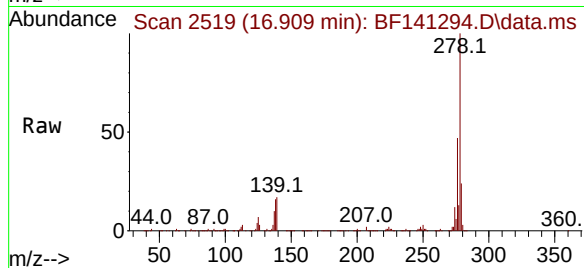
Tgt Ion:278 Resp: 567762

Ion Ratio Lower Upper

278 100

139 17.4 13.9 20.9

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 37.870 ng

RT: 17.327 min Scan# 2590

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

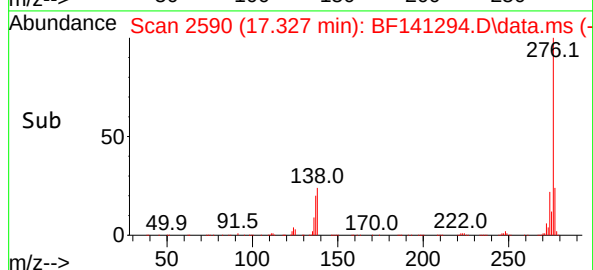
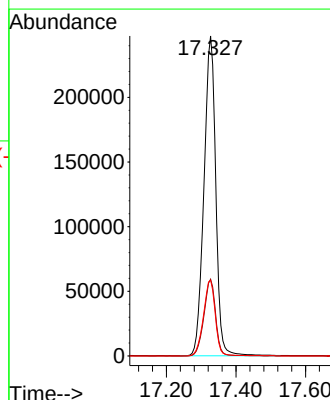
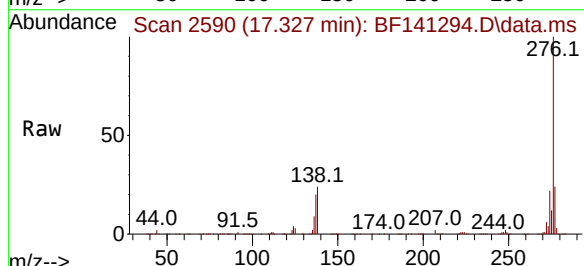
Tgt Ion:276 Resp: 582768

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng	0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng	0.00
86) Perylene-d12	15.439	264	272084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	827672	97.984	ng	0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng	0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng	0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng	98
3) Pyridine	3.222	79	455306	50.773	ng	100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng	100
6) Aniline	6.463	93	458390	50.942	ng	97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng	98
9) Benzaldehyde	6.351	77	281326	44.996	ng	98
10) Phenol	6.445	94	553844	48.628	ng	95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng	98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng	100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng	99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng	99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng	99
17) 2-Methylphenol	7.051	107	361469	49.214	ng	99
18) Hexachloroethane	7.310	117	182933	49.073	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng	98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng	94
22) Acetophenone	7.210	105	574700	47.365	ng	# 97
24) Nitrobenzene	7.386	77	492082	49.046	ng	98
25) Isophorone	7.622	82	818496	48.959	ng	99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng	99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng	99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng	100
31) Naphthalene	8.104	128	1304758	48.468	ng	100
32) Benzoic acid	7.857	122	308525	56.571	ng	99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng	100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng	99
35) Caprolactam	8.528	113	120078	50.594	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng	98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng	99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng	100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

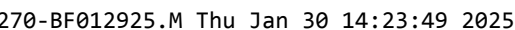
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

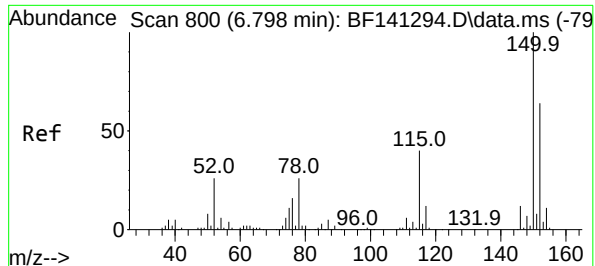
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

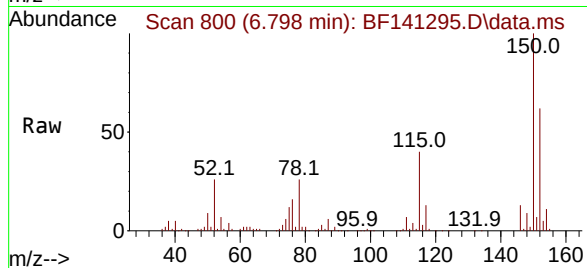
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

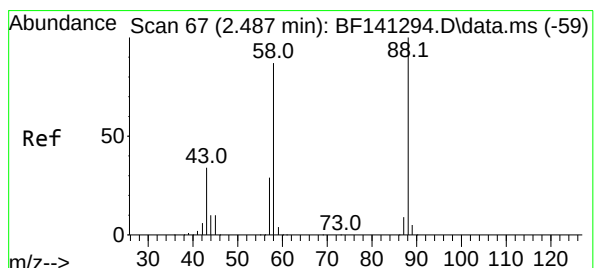
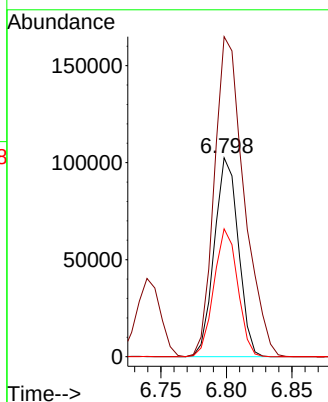
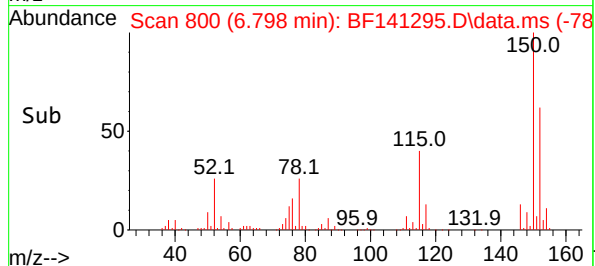
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 13063
Ion Ratio Lower Upper
152 100
150 160.9 125.9 188.9
115 64.3 49.7 74.5

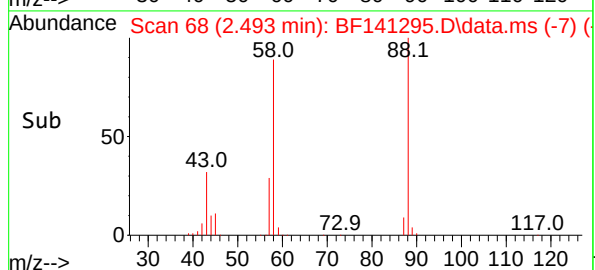
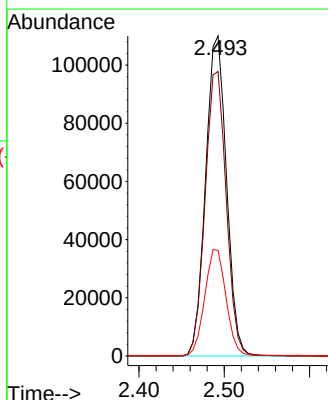
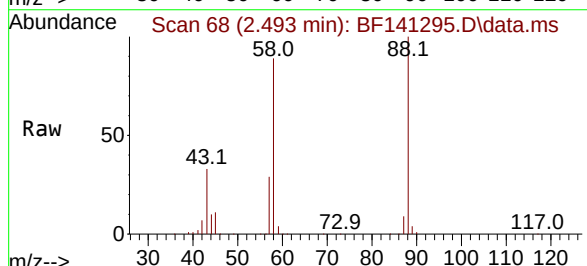
Manual Integrations
APPROVED

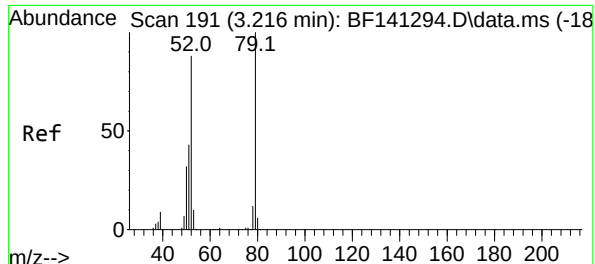
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

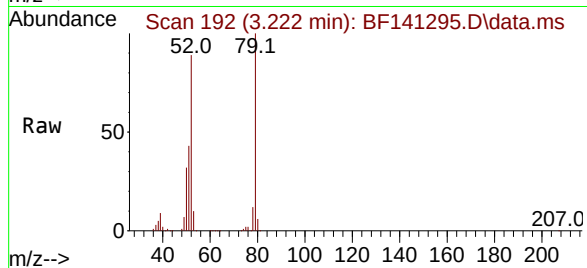
Tgt Ion: 88 Resp: 187460
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 33.5 27.6 41.4





#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 191
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

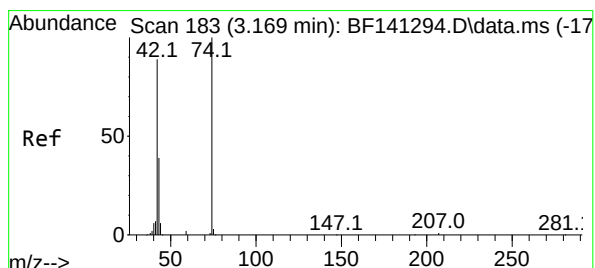
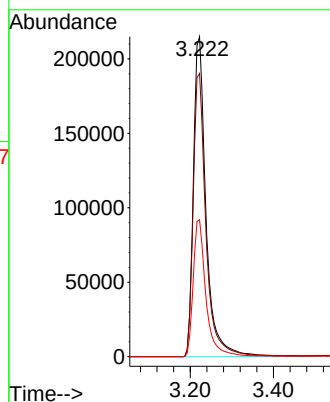
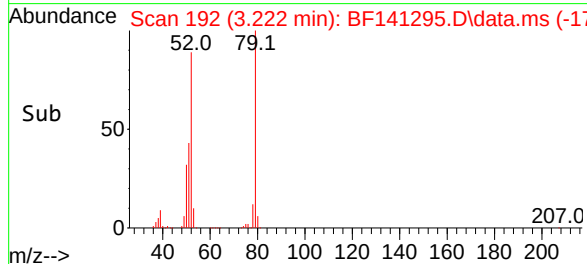
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



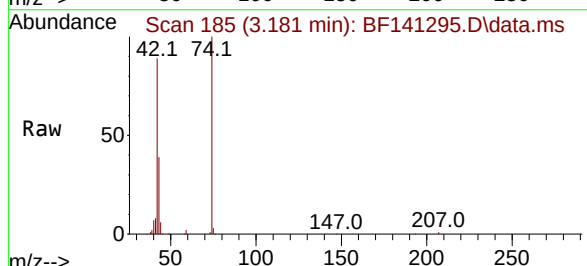
Tgt Ion: 79 Resp: 455300
Ion Ratio Lower Upper
79 100
52 88.5 70.3 105.5
51 42.8 34.3 51.5

Manual Integrations
APPROVED

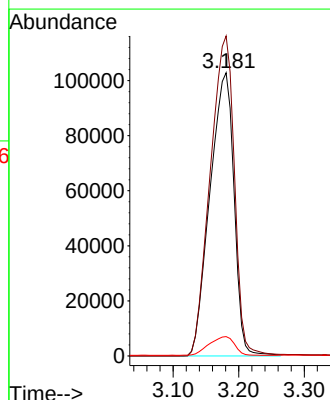
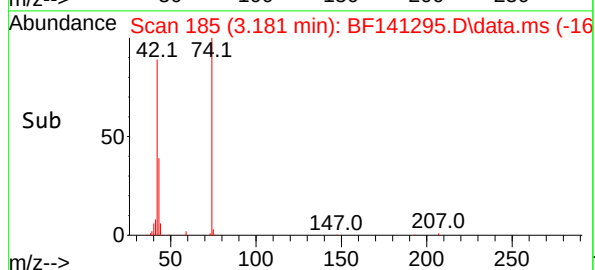
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

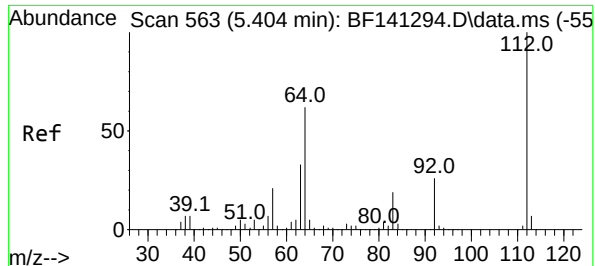


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion: 42 Resp: 262086
Ion Ratio Lower Upper
42 100
74 113.0 90.3 135.5
44 6.8 5.7 8.5





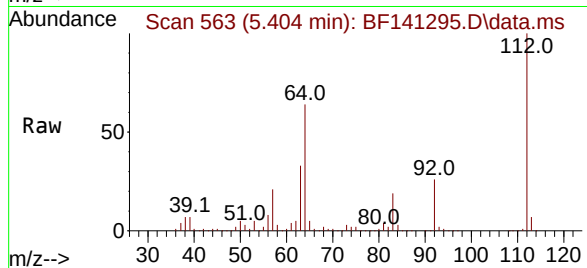
#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

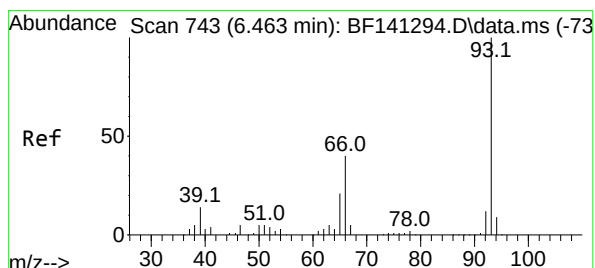
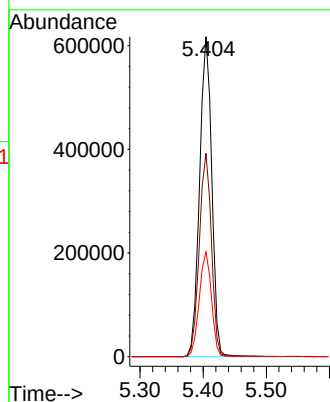
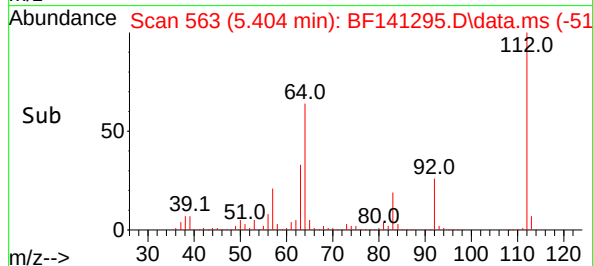


Tgt Ion:112 Resp: 827672
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.8
63 32.7 26.1 39.1

Manual Integrations

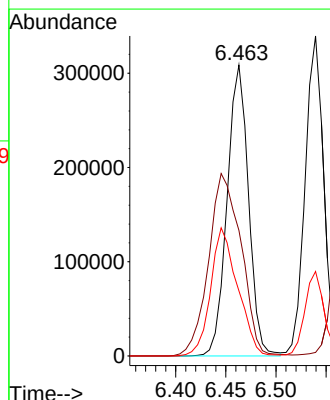
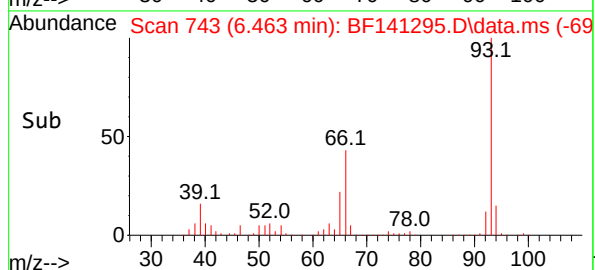
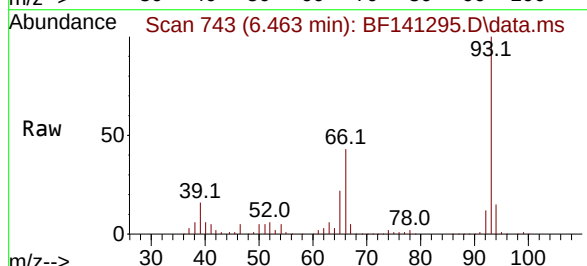
APPROVED

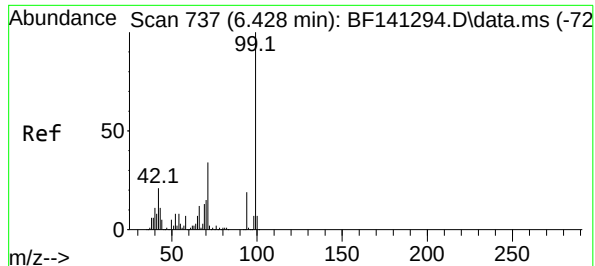
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

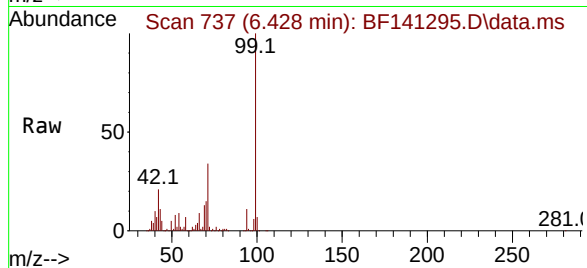
Tgt Ion: 93 Resp: 458390
Ion Ratio Lower Upper
93 100
66 43.2 32.5 48.7
65 22.4 17.0 25.6





#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

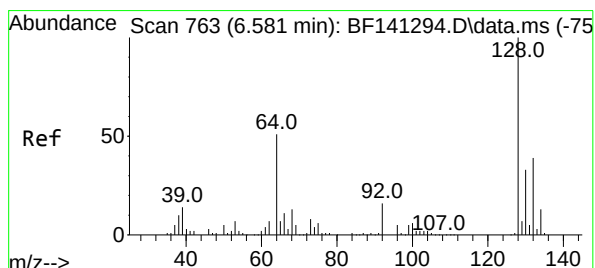
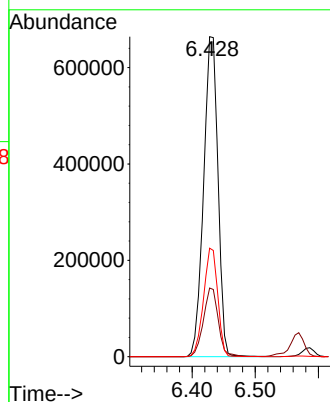
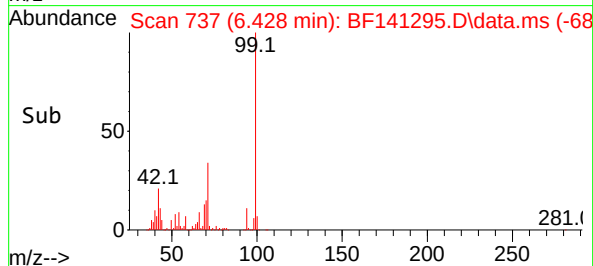
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 105238
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 33.9 26.9 40.3

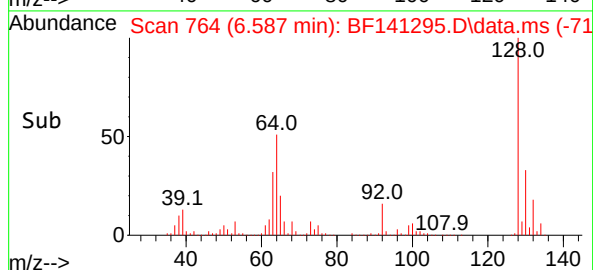
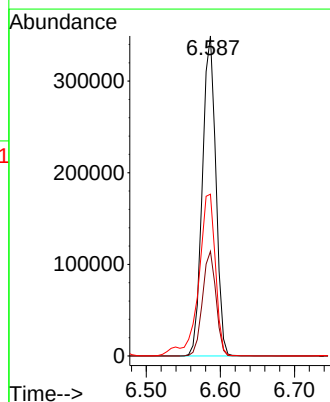
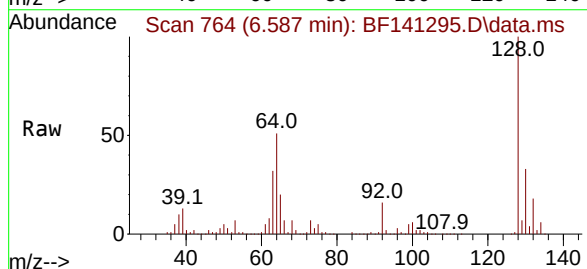
Manual Integrations
APPROVED

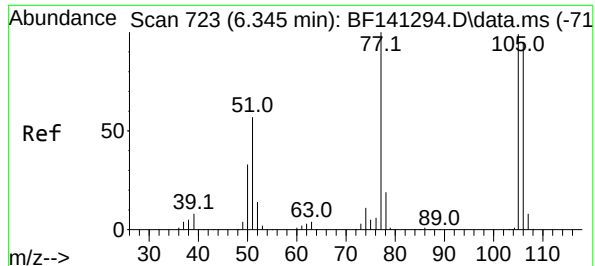
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 441862
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 50.5 32.9 72.9





#9

Benzaldehyde

Concen: 44.996 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 281320

Ion Ratio Lower Upper

77 100

105 100.8 79.4 119.4

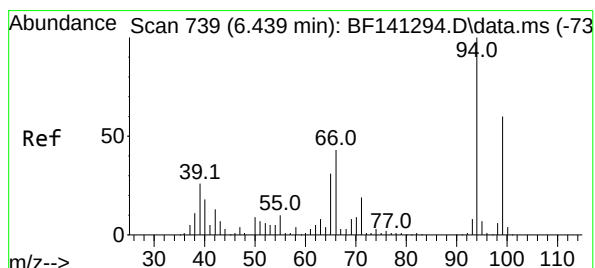
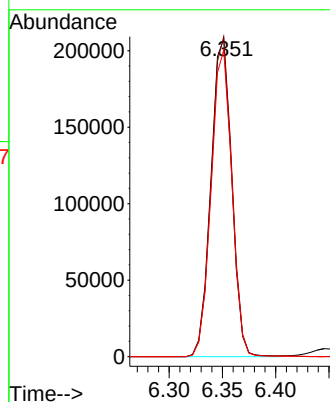
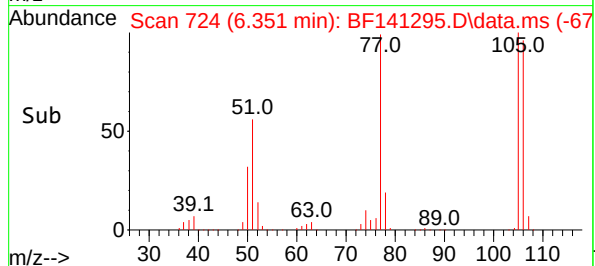
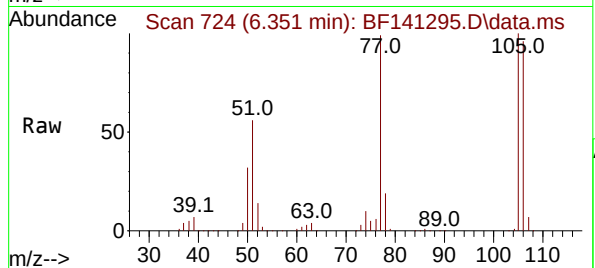
106 96.5 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 48.628 ng

RT: 6.445 min Scan# 740

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

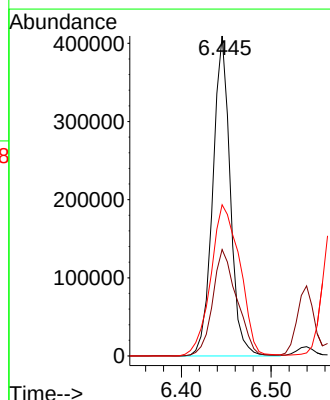
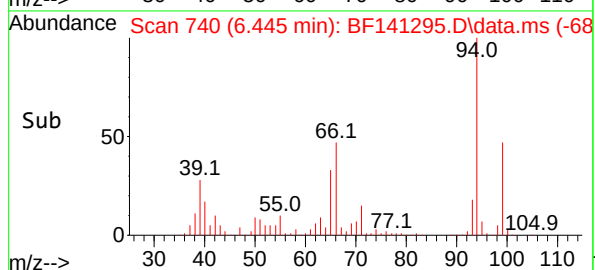
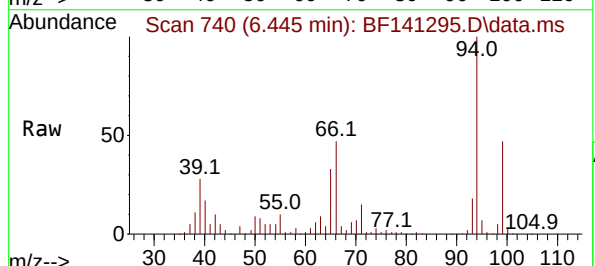
Tgt Ion: 94 Resp: 553844

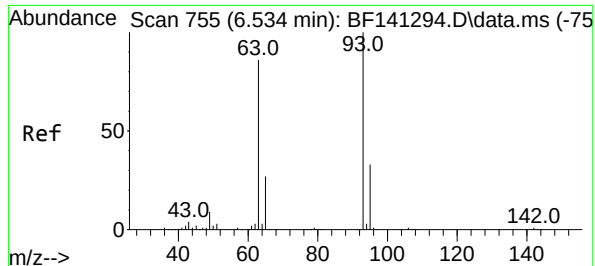
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

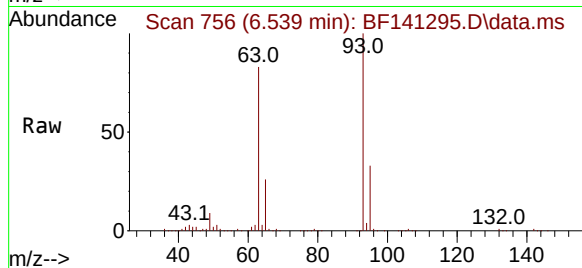
66 47.3 23.3 63.3





#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

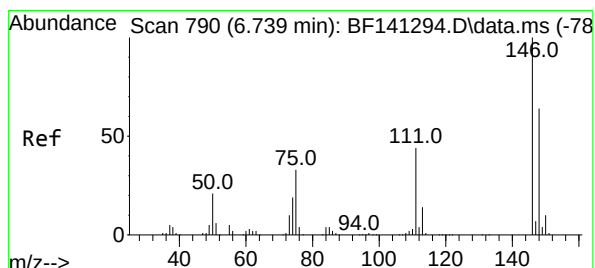
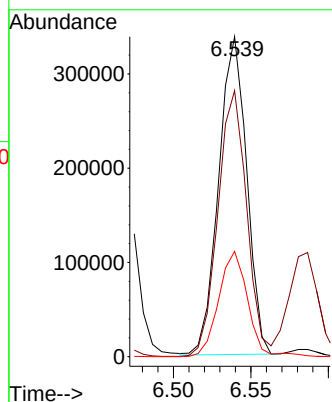
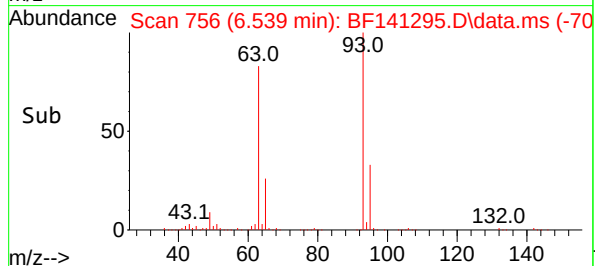
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 93 Resp: 424248
Ion Ratio Lower Upper
93 100
63 83.2 65.0 105.0
95 32.9 12.4 52.4

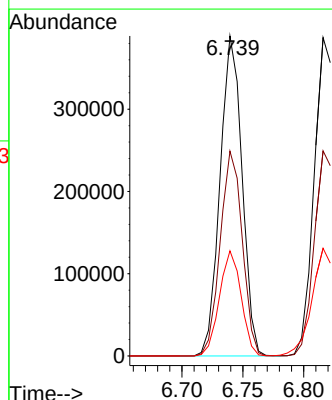
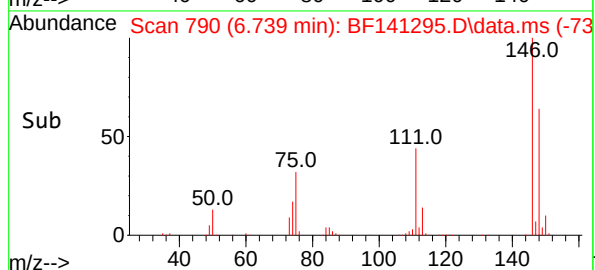
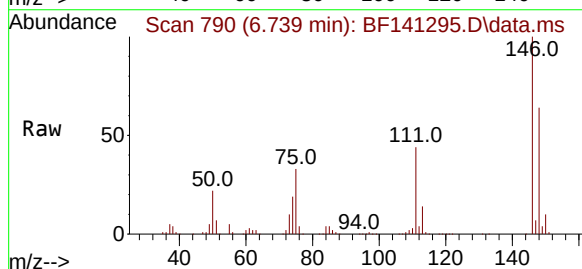
Manual Integrations
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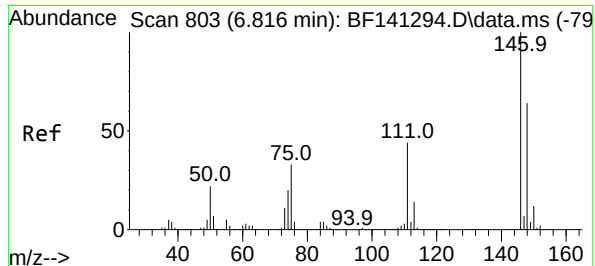
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 48.671 ng

RT: 6.816 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 490392

Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

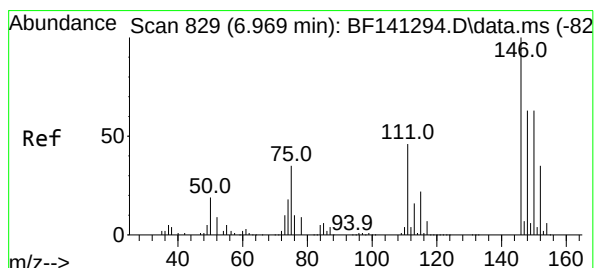
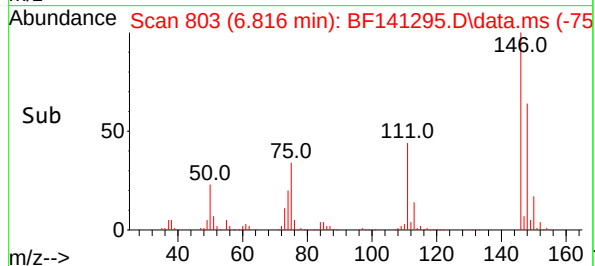
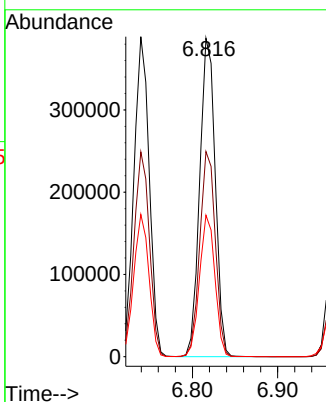
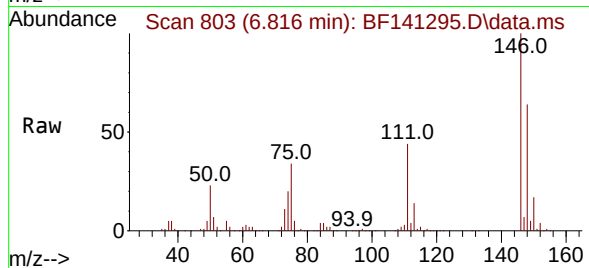
111 44.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 48.279 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

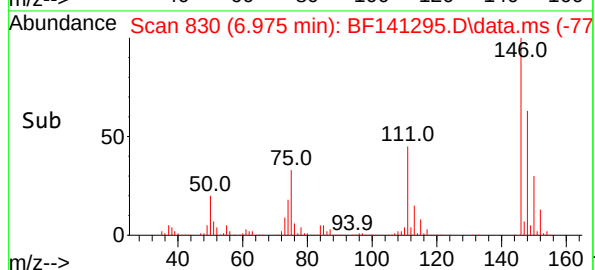
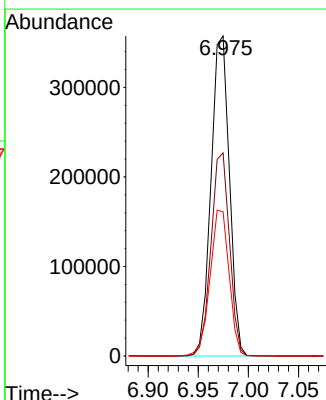
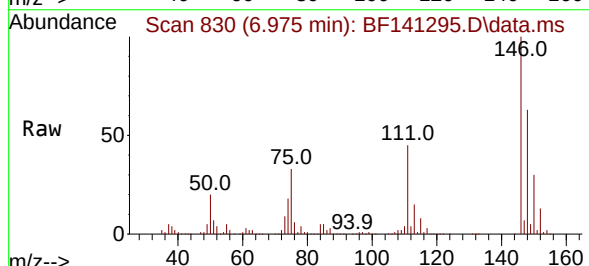
Tgt Ion:146 Resp: 454569

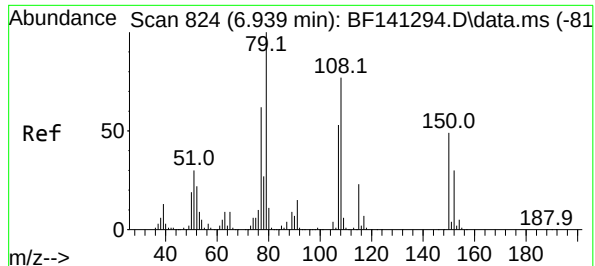
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

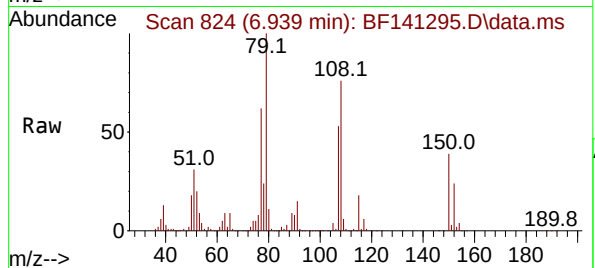
111 45.1 36.6 55.0





#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

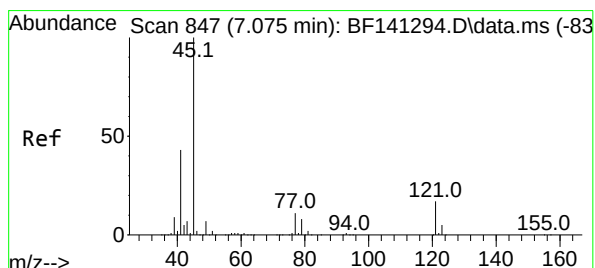
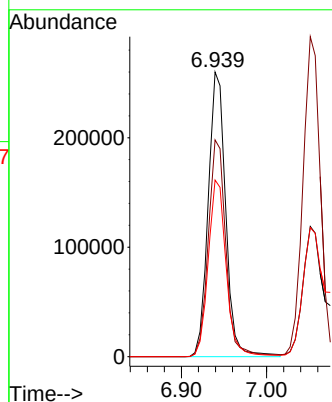
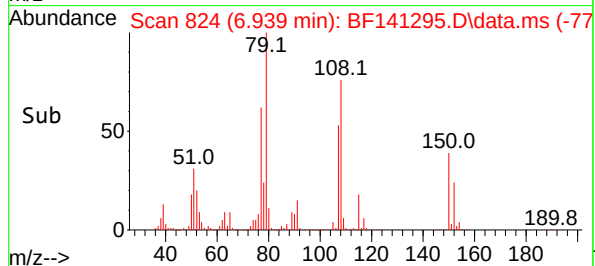
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



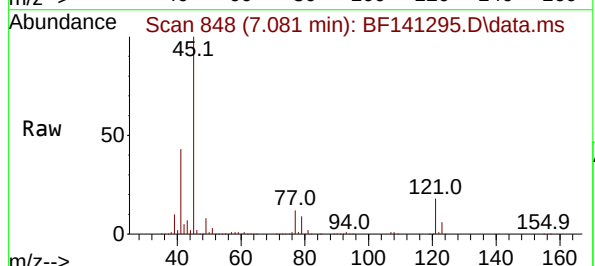
Tgt Ion: 79 Resp: 371274
Ion Ratio Lower Upper
79 100
108 76.2 61.4 92.0
77 62.1 49.9 74.9

Manual Integrations
APPROVED

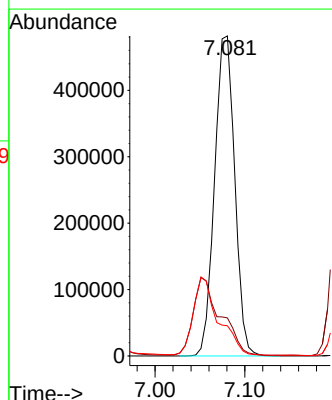
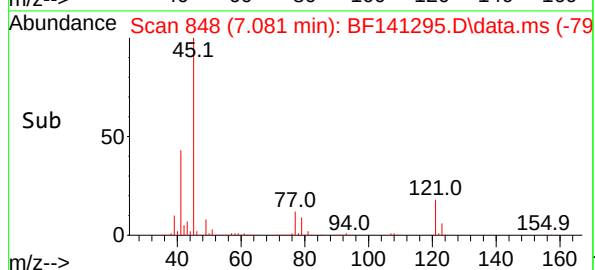
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

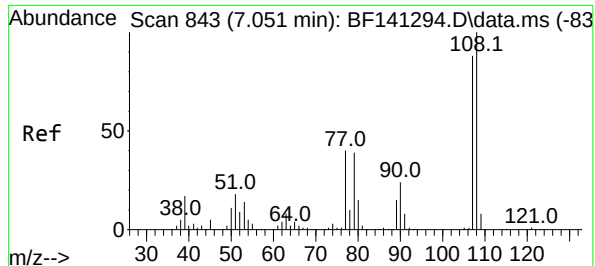


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



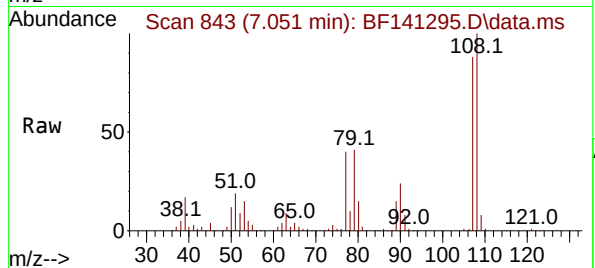
Tgt Ion: 45 Resp: 749938
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.8
79 9.5 0.0 29.1





#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

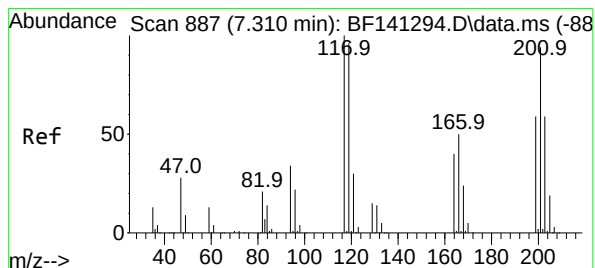
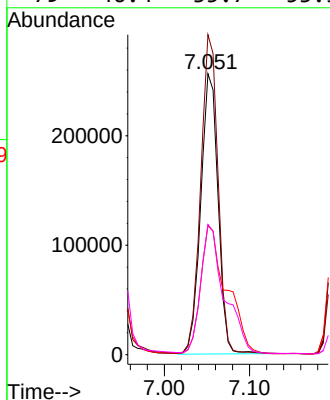
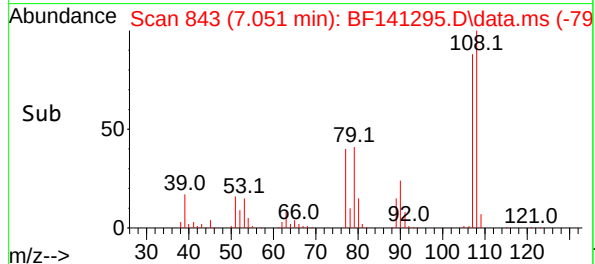
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 361469
Ion Ratio Lower Upper
107 100
108 113.9 90.8 136.2
77 46.0 36.2 54.4
79 46.4 35.7 53.5

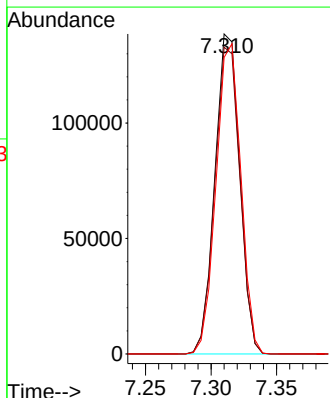
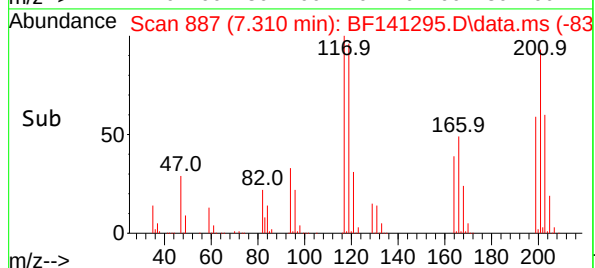
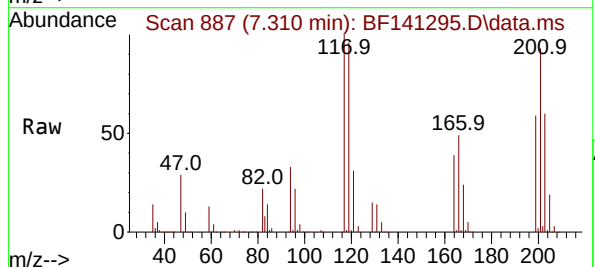
Manual Integrations
APPROVED

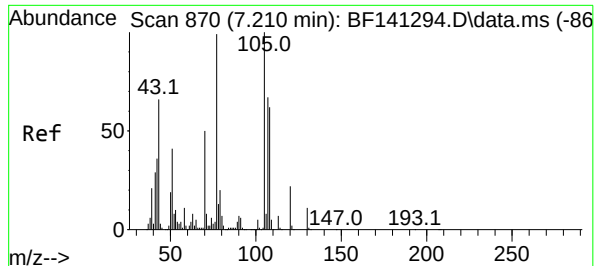
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 92.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.753 ng

RT: 7.216 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141295.D

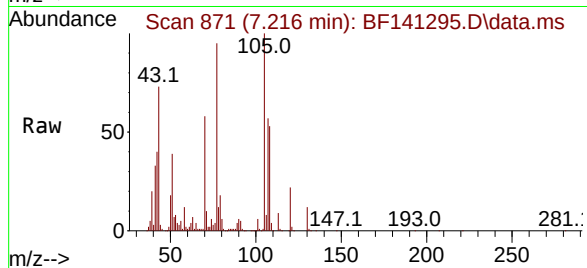
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 305749

Ion Ratio Lower Upper

70 100

42 69.2 56.8 85.2

101 9.7 7.7 11.5

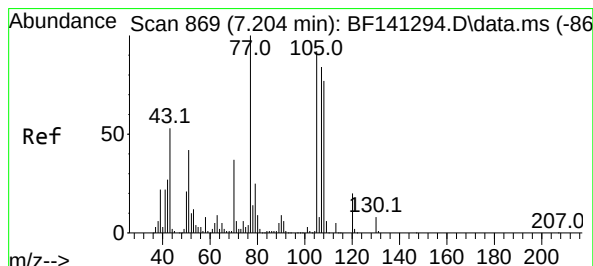
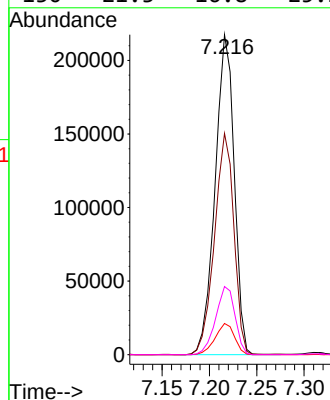
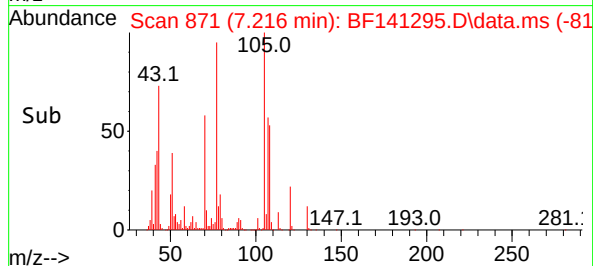
130 21.3 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

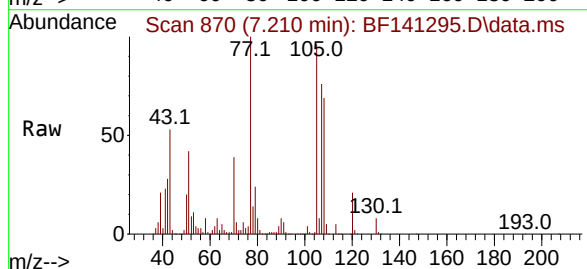
Concen: 48.143 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:107 Resp: 434743

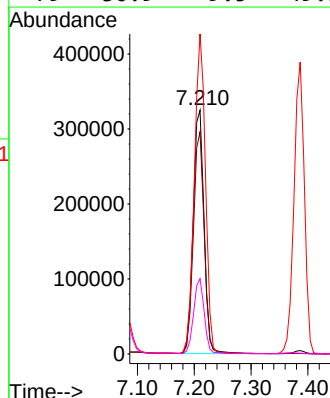
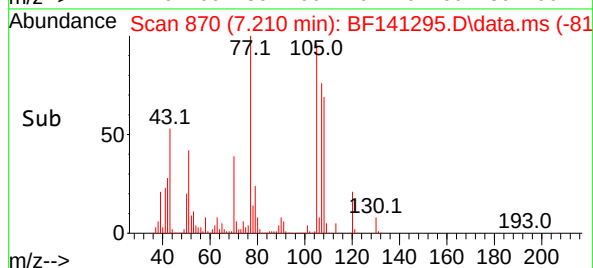
Ion Ratio Lower Upper

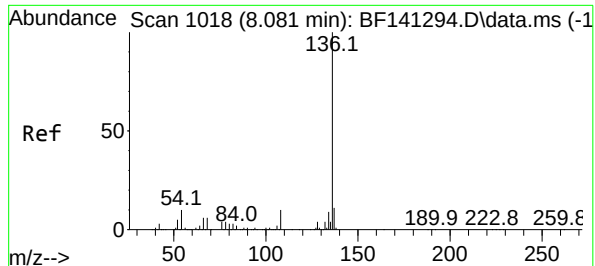
107 100

108 91.2 70.9 110.9

77 131.3 98.5 138.5

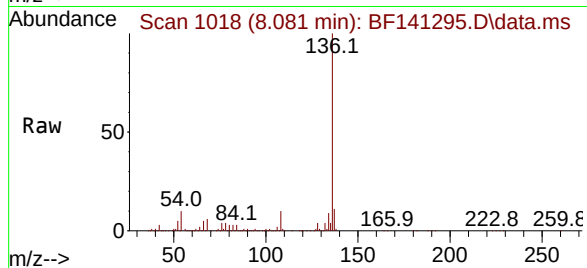
79 30.9 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

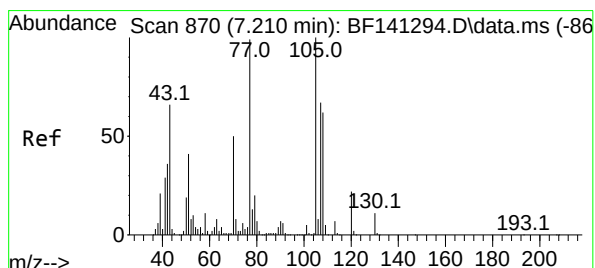
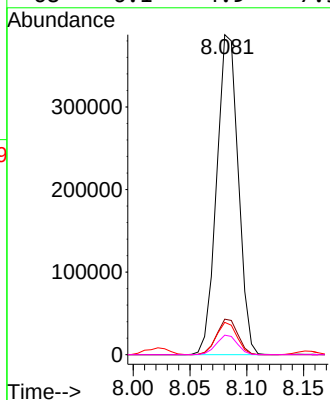
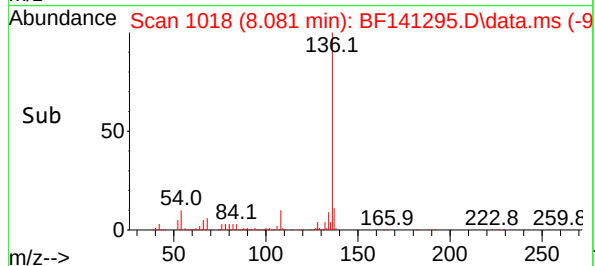
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 51184
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.1 7.8 11.8
68 6.1 4.9 7.3

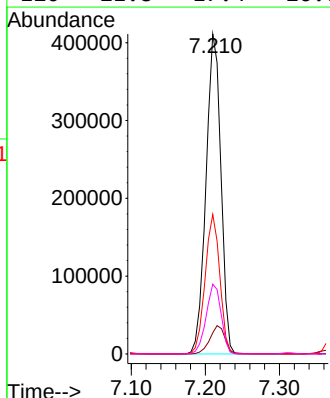
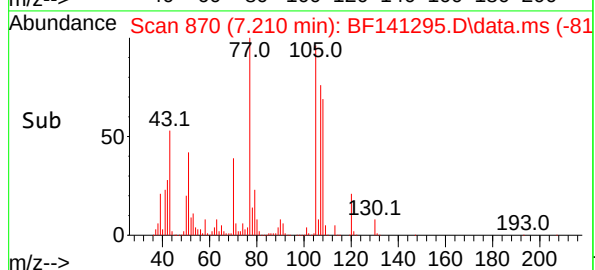
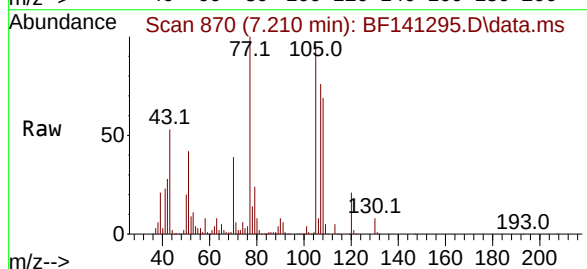
Manual Integrations
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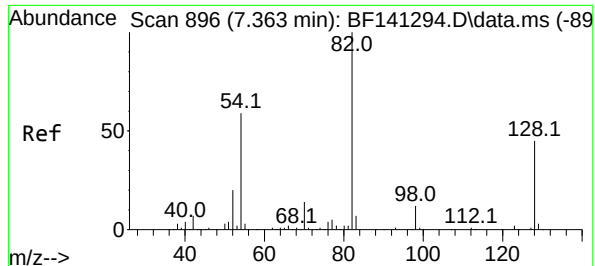
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700
Ion Ratio Lower Upper
105 100
71 6.6 6.8 10.2#
51 43.6 32.6 49.0
120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 98.761 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 95536

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

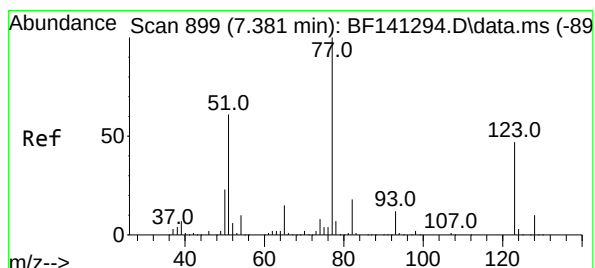
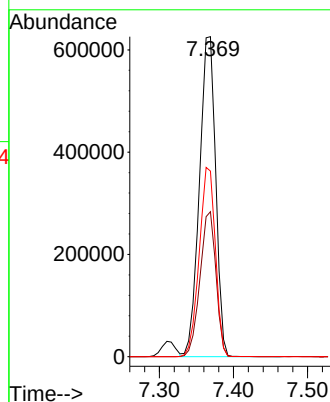
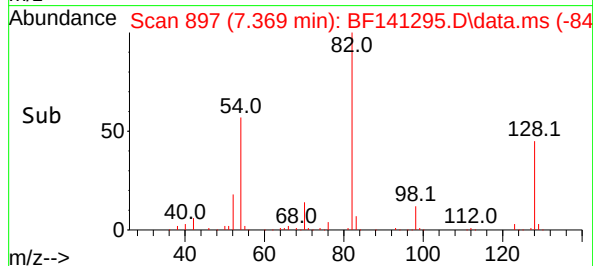
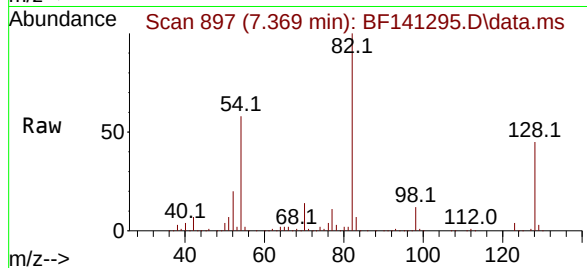
54 58.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 49.046 ng

RT: 7.386 min Scan# 900

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

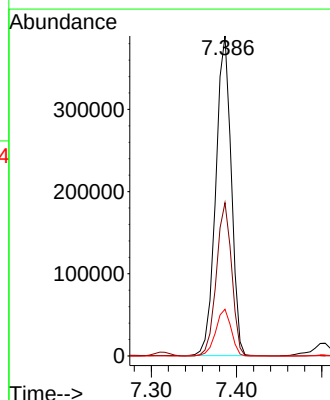
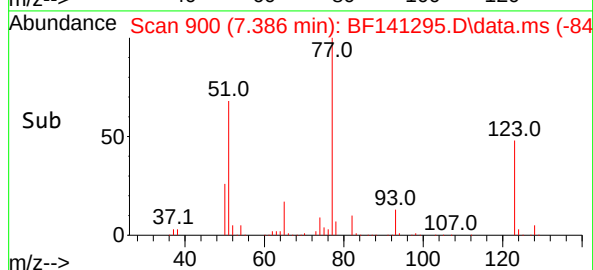
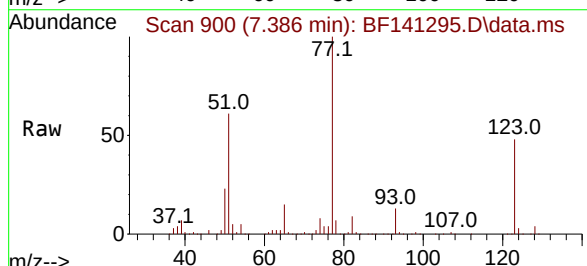
Tgt Ion: 77 Resp: 492082

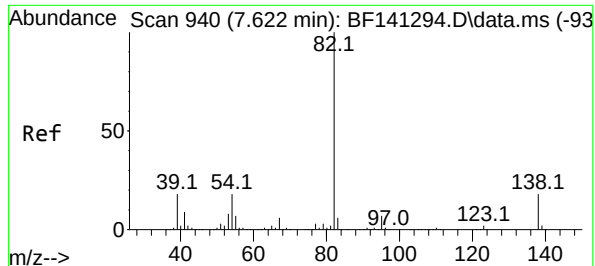
Ion Ratio Lower Upper

77 100

123 47.9 37.3 55.9

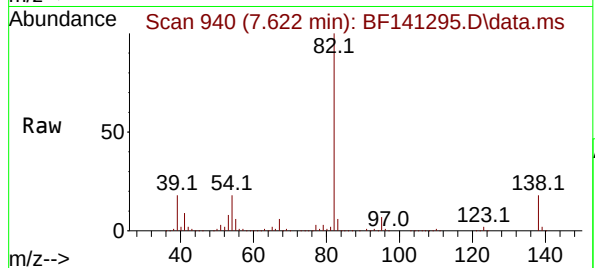
65 14.6 11.8 17.6





#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

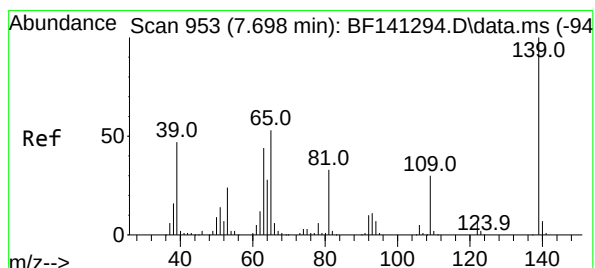
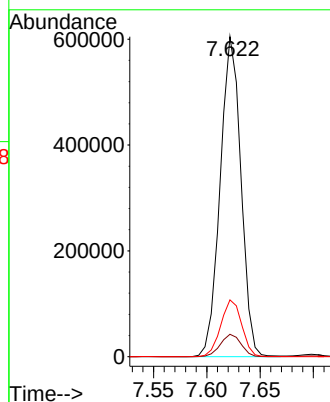
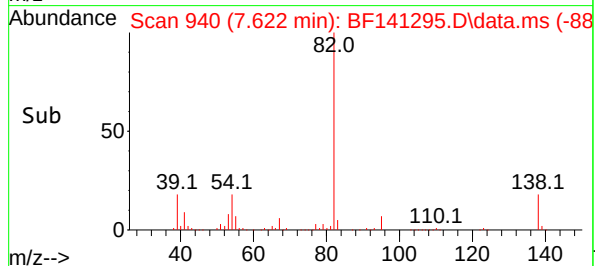
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 818490
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 17.7 14.7 22.1

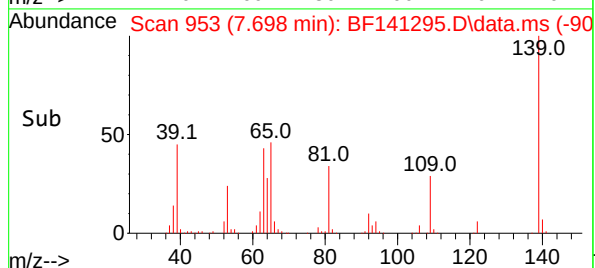
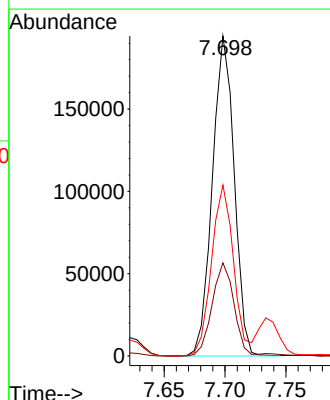
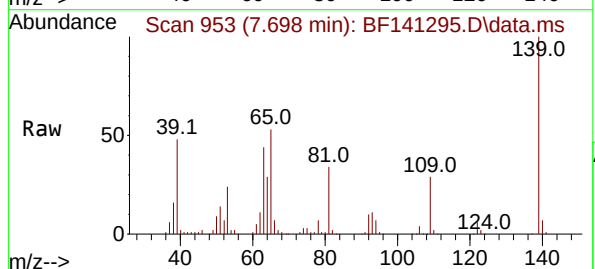
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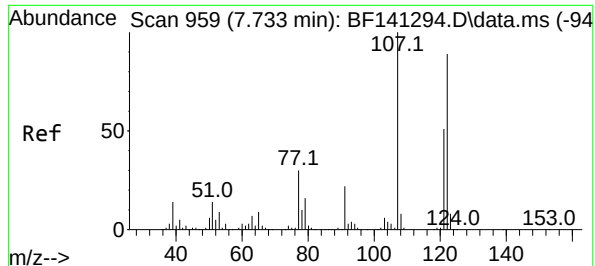
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 242228
Ion Ratio Lower Upper
139 100
109 29.1 23.8 35.6
65 53.4 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 49.969 ng m

RT: 7.734 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 300079

Ion Ratio Lower Upper

122 100

107 112.0 89.9 134.9

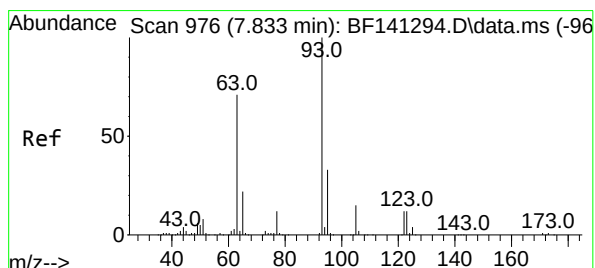
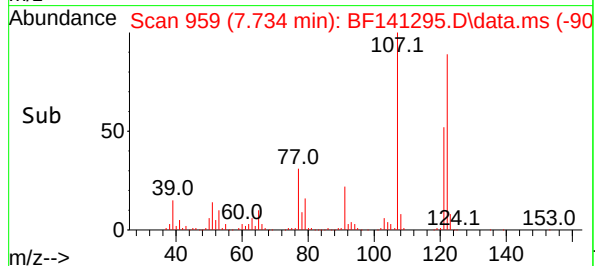
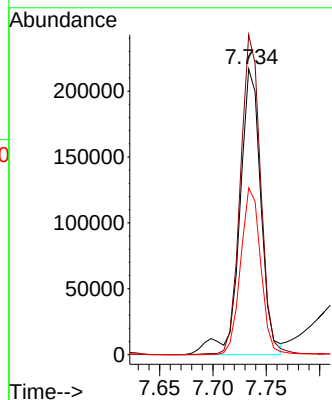
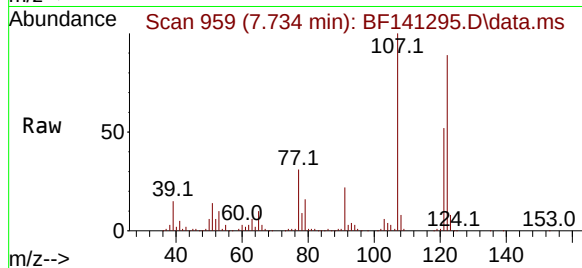
121 58.3 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.701 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

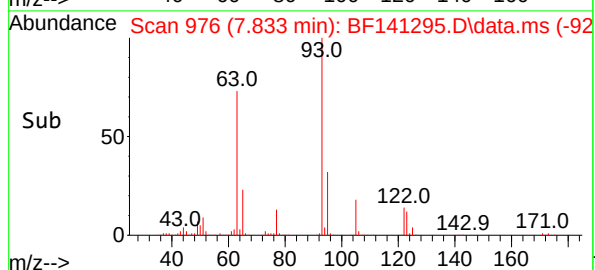
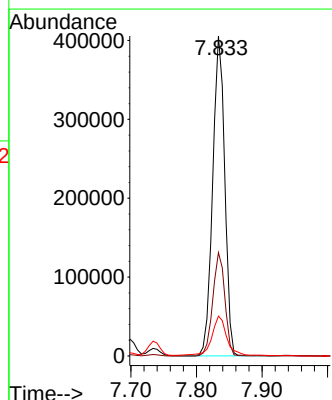
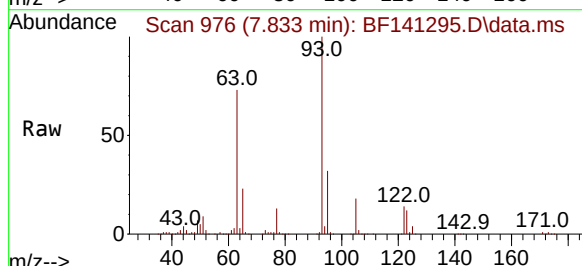
Tgt Ion: 93 Resp: 518825

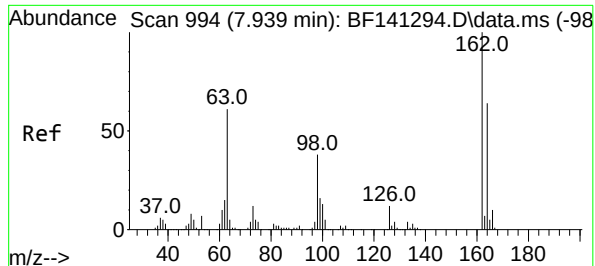
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.4 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 49.507 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 363275

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

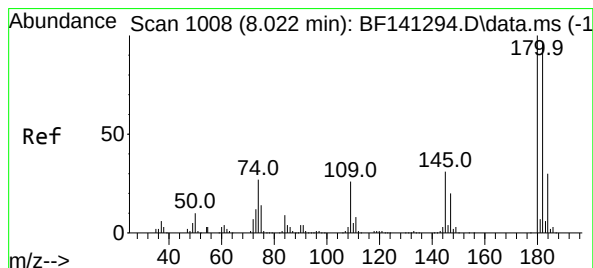
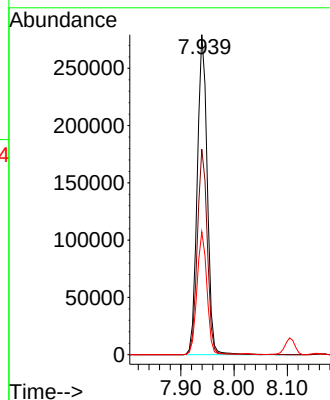
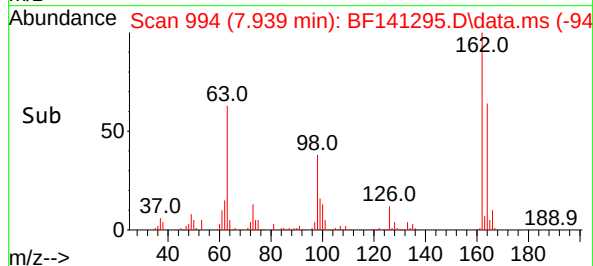
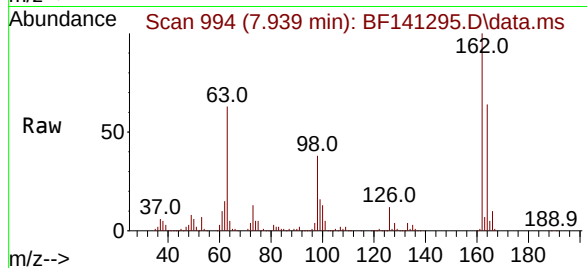
98 38.4 18.2 58.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 48.309 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

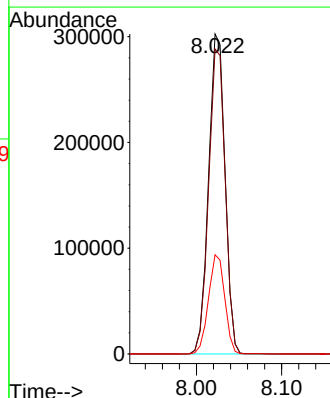
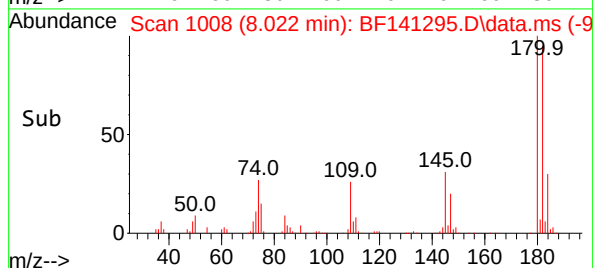
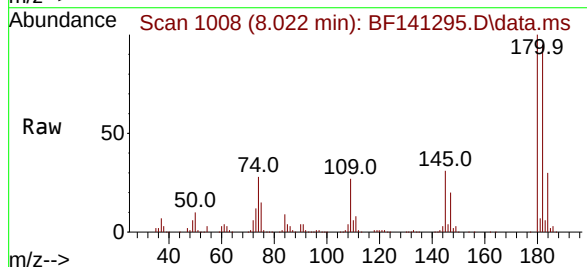
Tgt Ion:180 Resp: 406562

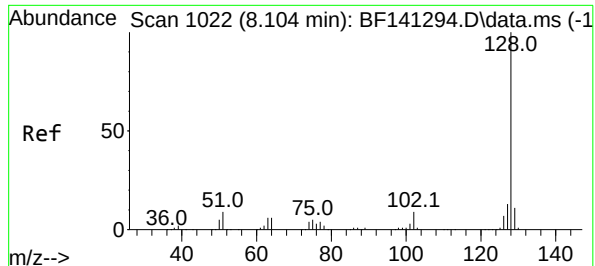
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

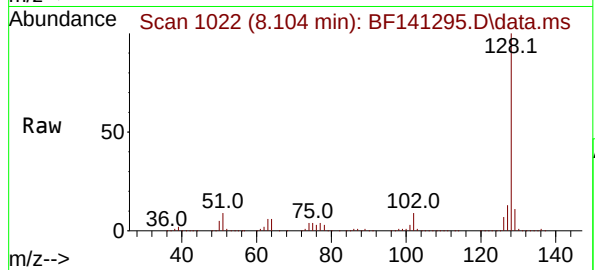
145 31.0 24.9 37.3





#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

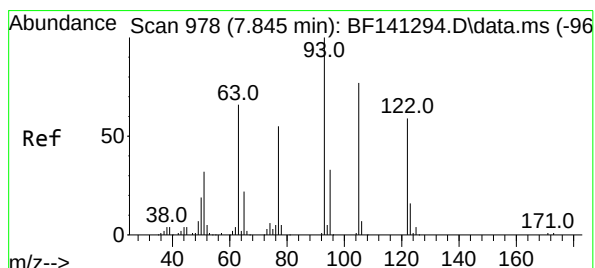
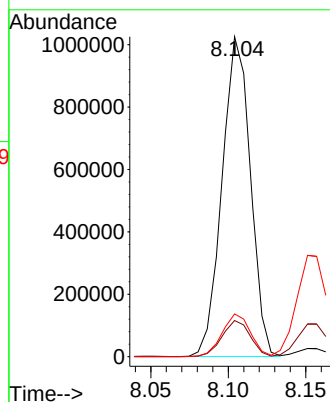
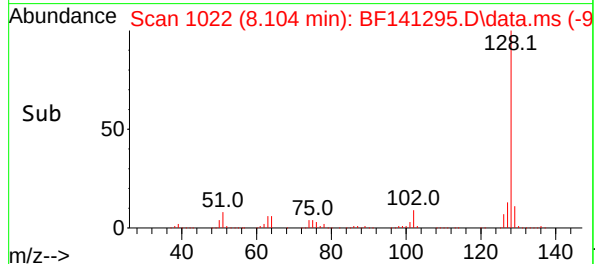
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 1304758
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 15.8

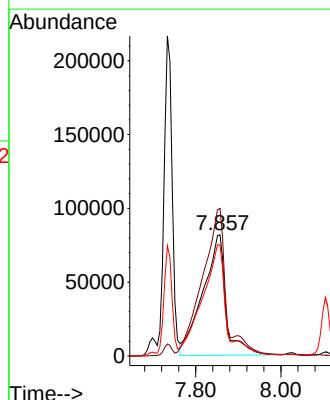
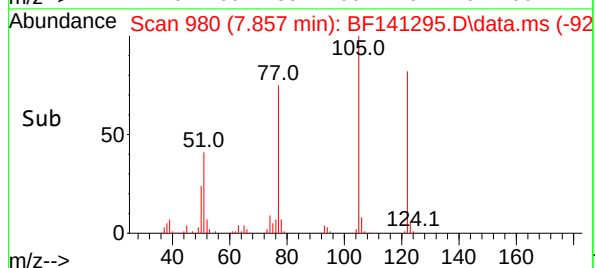
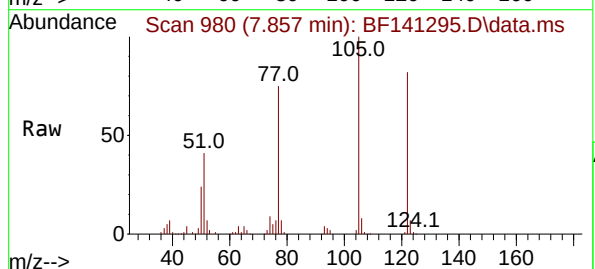
Manual Integrations
APPROVED

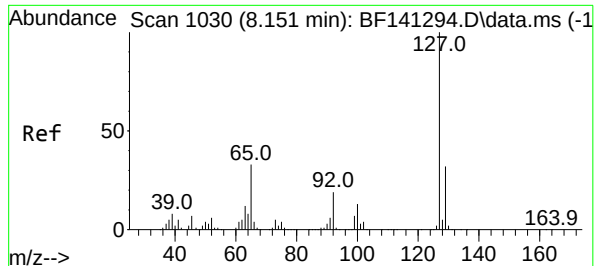
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525
Ion Ratio Lower Upper
122 100
105 121.7 103.4 143.4
77 91.5 70.9 110.9





#33

4-Chloroaniline

Concen: 49.712 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 44954

Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 32.6 26.4 39.6

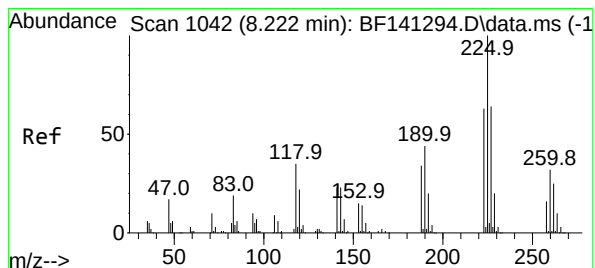
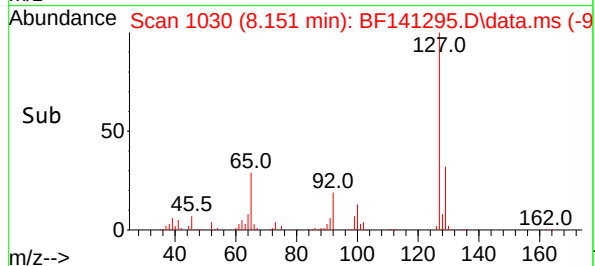
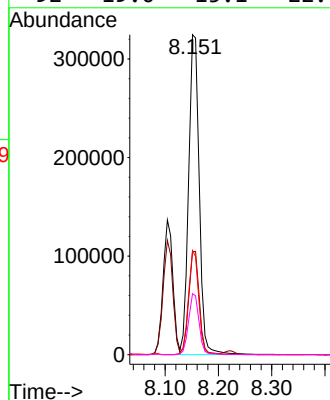
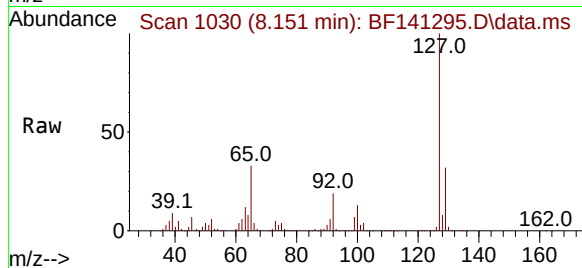
92 19.0 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 49.395 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

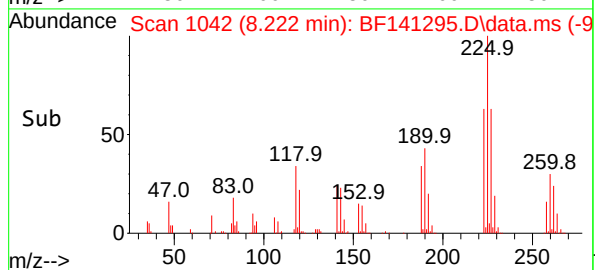
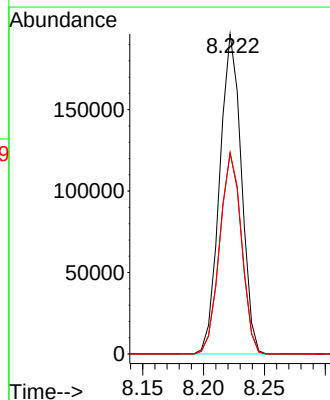
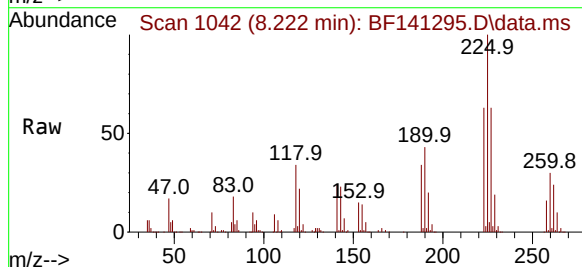
Tgt Ion:225 Resp: 243308

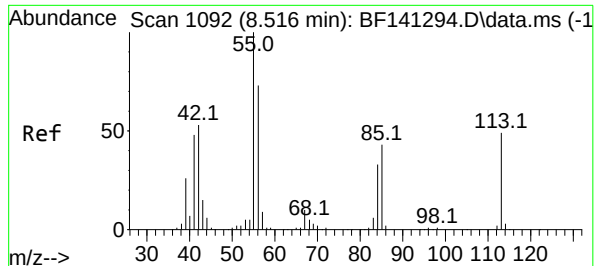
Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

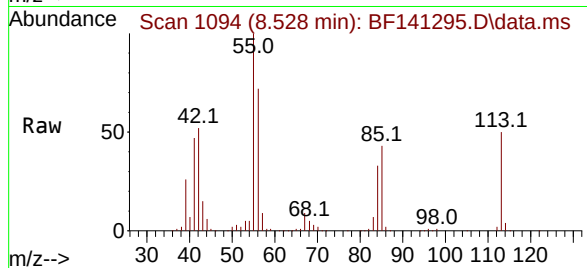
227 62.9 51.3 76.9





#35
 Caprolactam
 Concen: 50.594 ng
 RT: 8.528 min Scan# 1094
 Delta R.T. 0.012 min
 Lab File: BF141295.D
 Acq: 29 Jan 2025 16:11

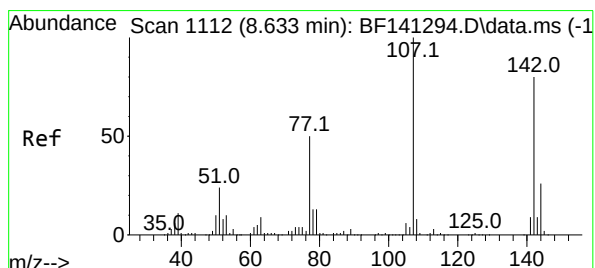
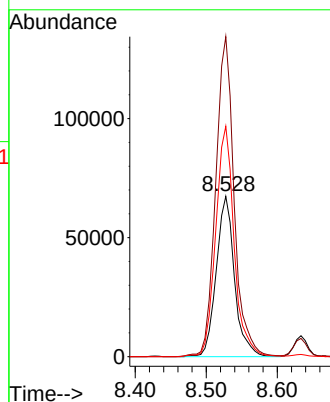
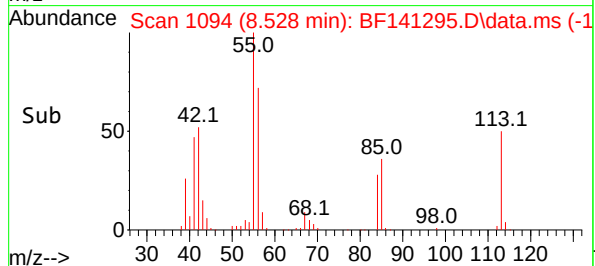
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050



Tgt Ion:113 Resp: 120078
 Ion Ratio Lower Upper
 113 100
 55 199.5 182.9 222.9
 56 143.7 127.9 167.9

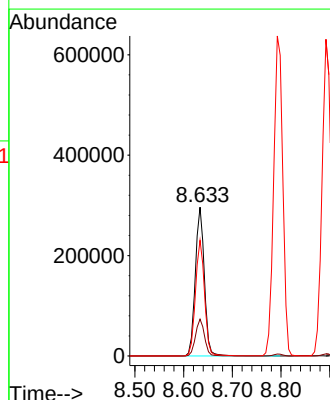
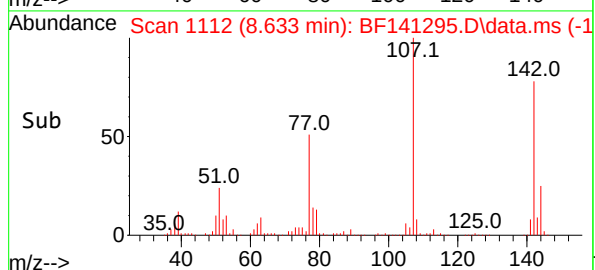
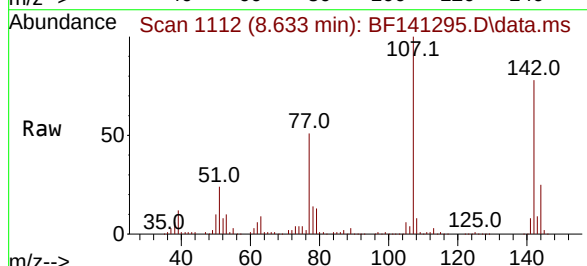
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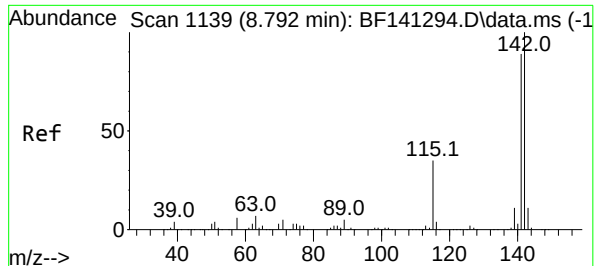
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#36
 4-Chloro-3-methylphenol
 Concen: 48.973 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: BF141295.D
 Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683
 Ion Ratio Lower Upper
 107 100
 144 24.8 20.7 31.1
 142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 48.006 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 822980

Ion Ratio Lower Upper

142 100

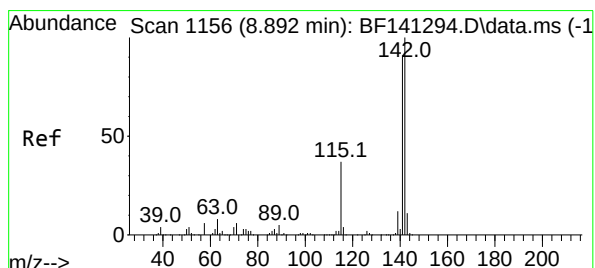
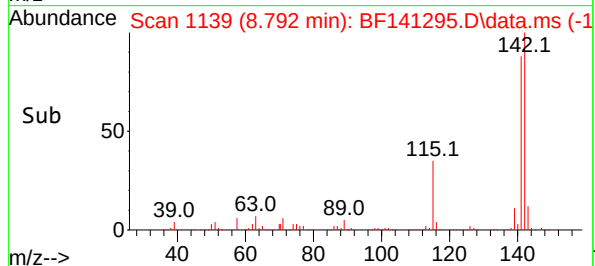
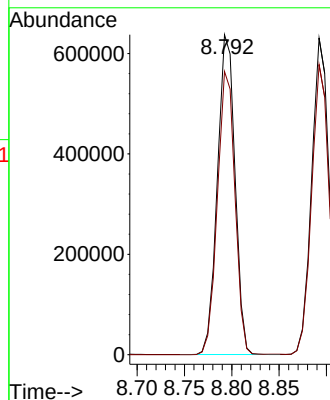
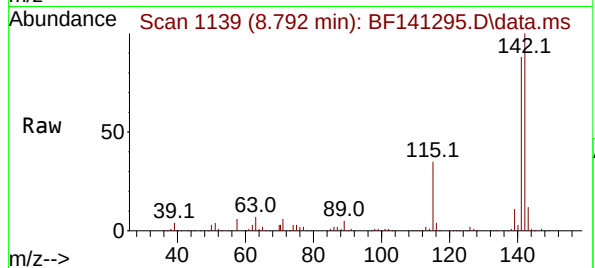
141 88.5 71.3 106.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 47.586 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141295.D

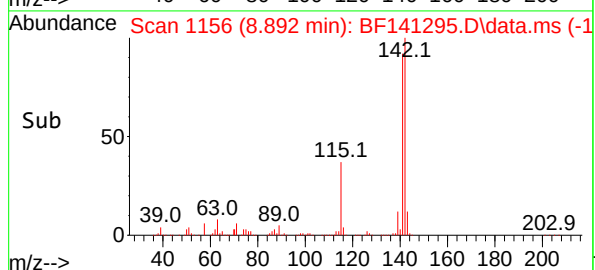
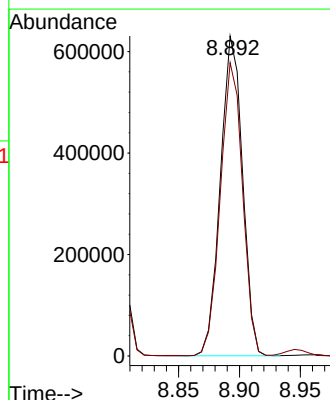
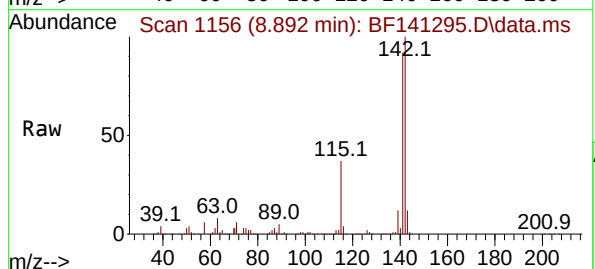
Acq: 29 Jan 2025 16:11

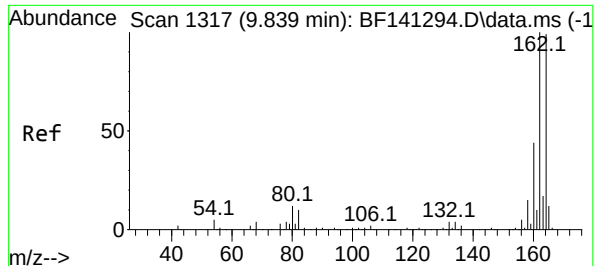
Tgt Ion:142 Resp: 799136

Ion Ratio Lower Upper

142 100

141 91.6 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141295.D

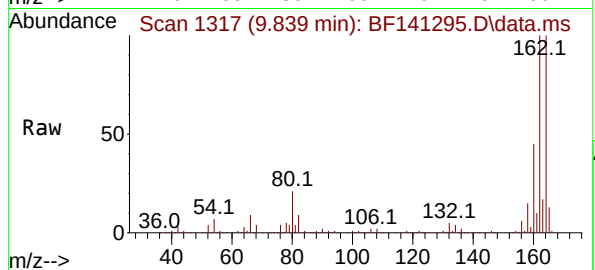
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:164 Resp: 269662

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

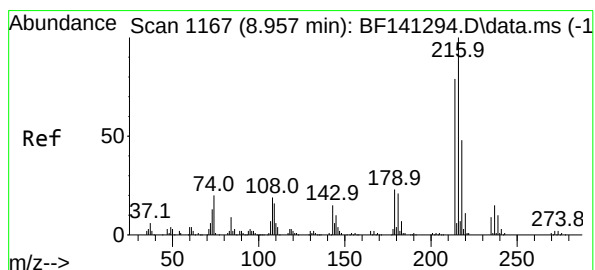
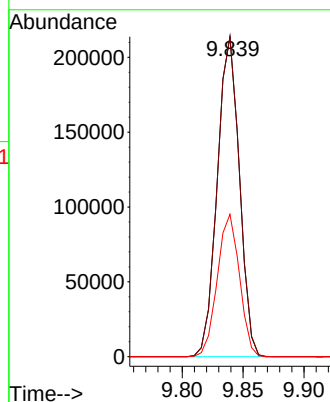
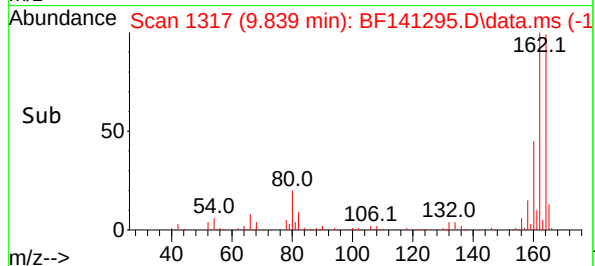
160 44.5 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.774 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:216 Resp: 373963

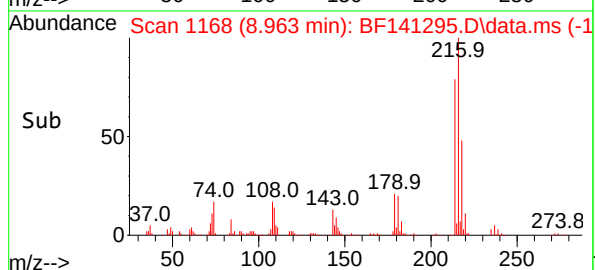
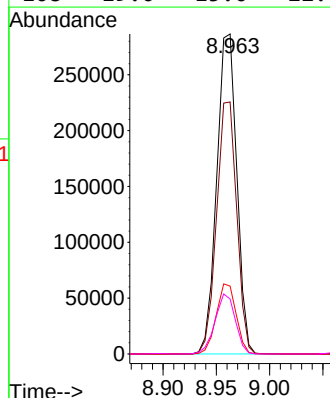
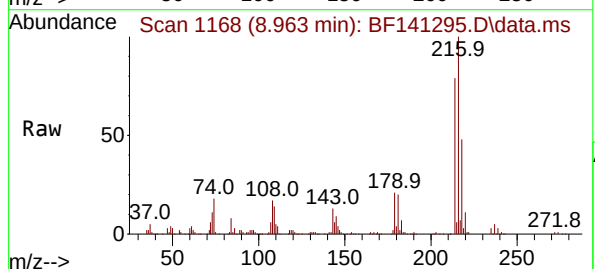
Ion Ratio Lower Upper

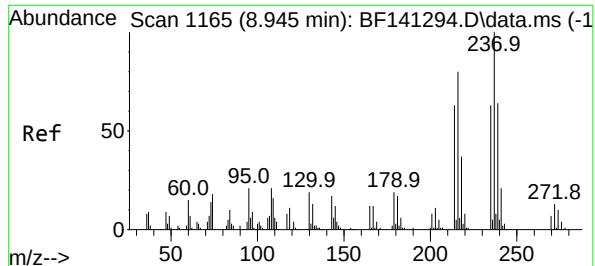
216 100

214 79.0 63.2 94.8

179 21.7 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 53.227 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 122470

Ion Ratio Lower Upper

237 100

235 63.0 42.9 82.9

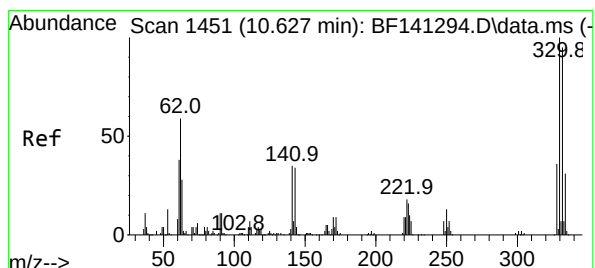
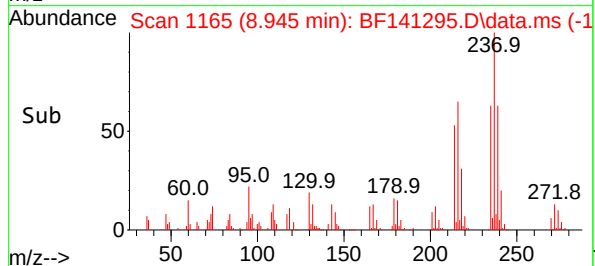
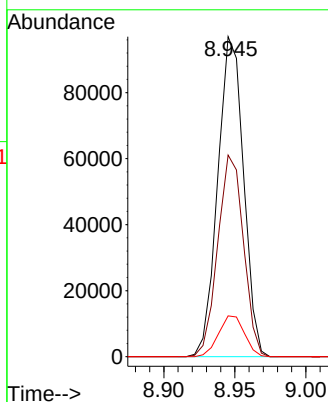
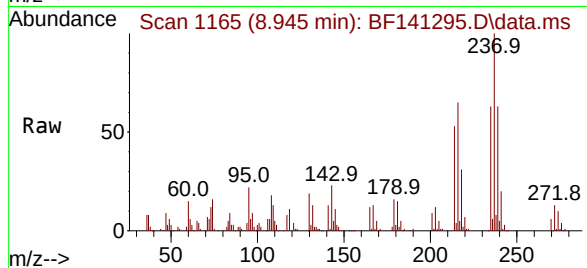
272 12.7 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#42

2,4,6-Tribromophenol

Concen: 95.997 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

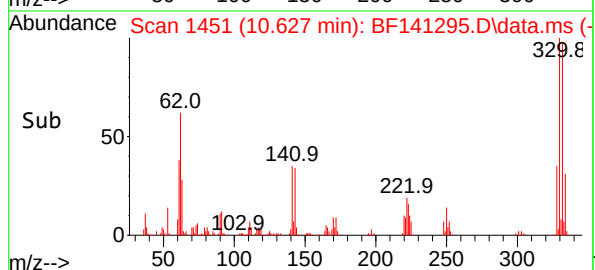
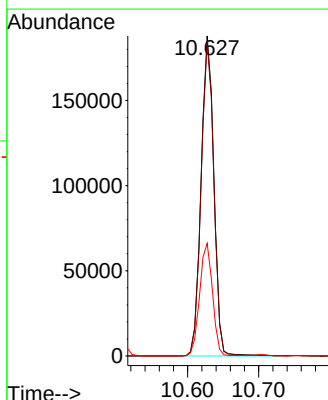
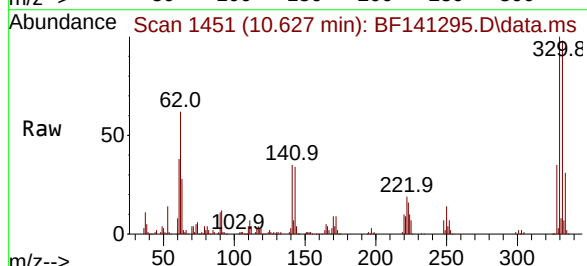
Tgt Ion:330 Resp: 235884

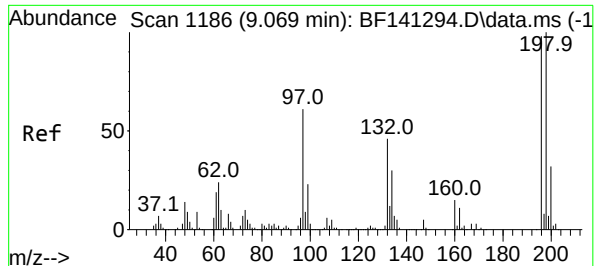
Ion Ratio Lower Upper

330 100

332 97.5 76.1 114.1

141 35.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 50.545 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141295.D

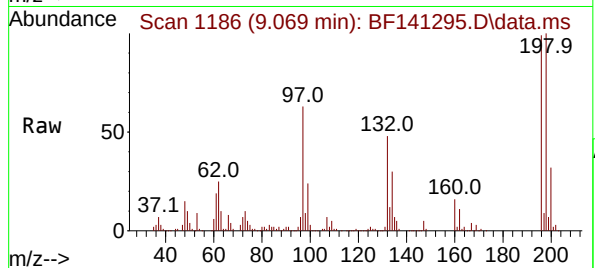
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 252974

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

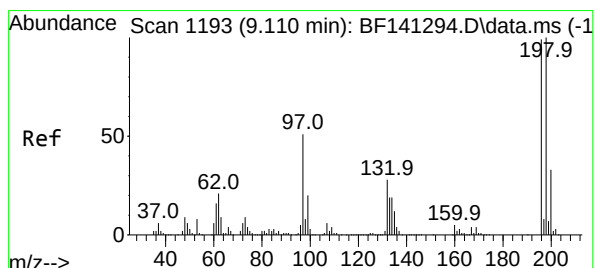
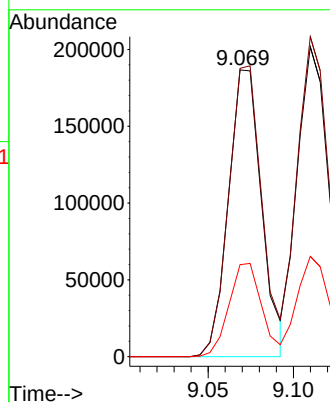
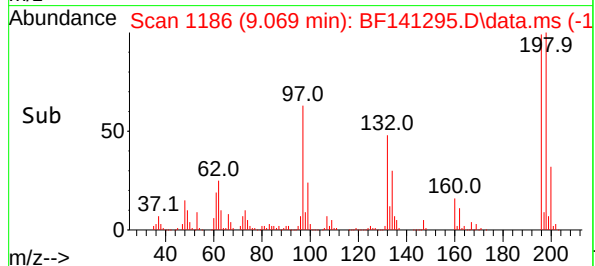
200 32.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

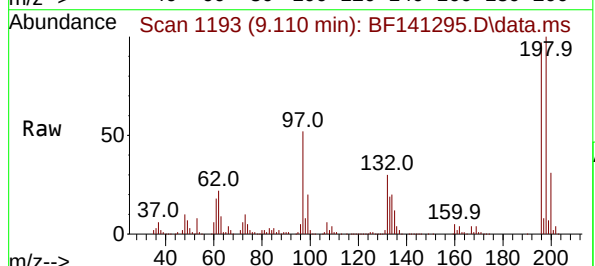
Concen: 48.438 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:196 Resp: 263745

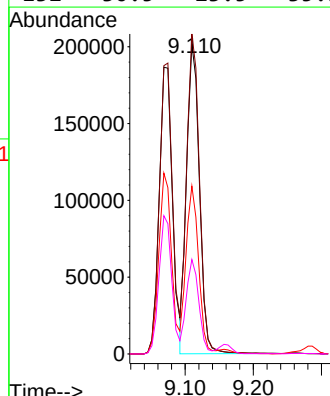
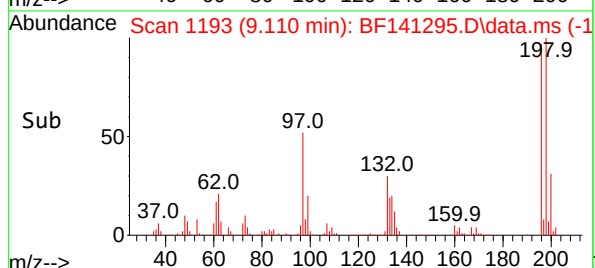
Ion Ratio Lower Upper

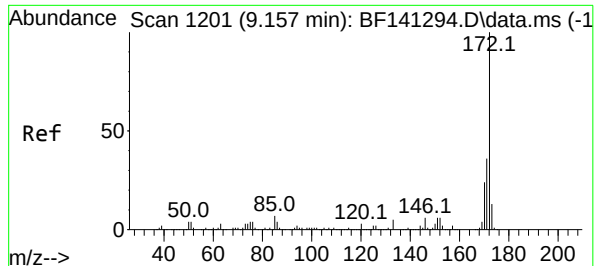
196 100

198 103.2 80.5 120.7

97 54.1 42.8 64.2

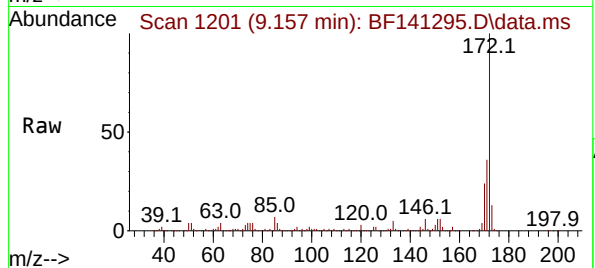
132 30.5 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

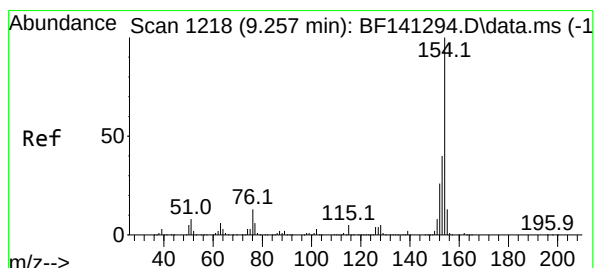
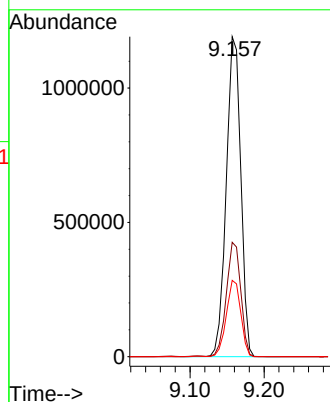
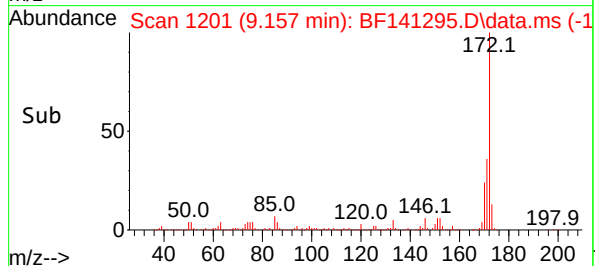
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 1620825
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.0 28.6

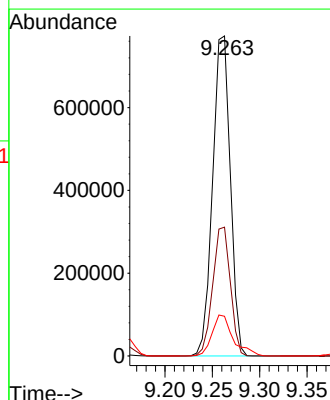
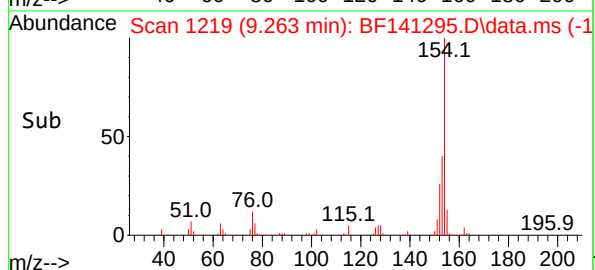
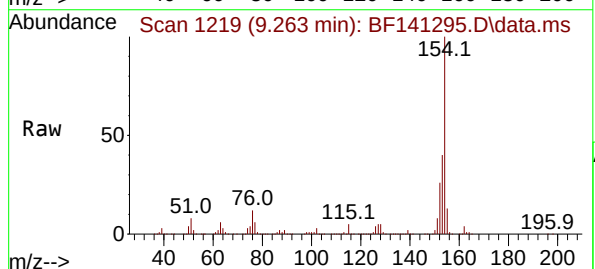
Manual Integrations
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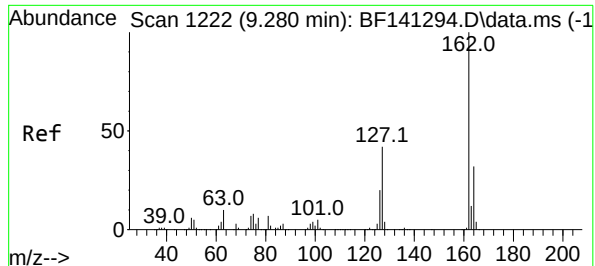
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774
Ion Ratio Lower Upper
154 100
153 40.3 20.0 60.0
76 12.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 47.835 ng

RT: 9.286 min Scan# 1222

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 78161

Ion Ratio Lower Upper

162 100

127 41.3 33.7 50.5

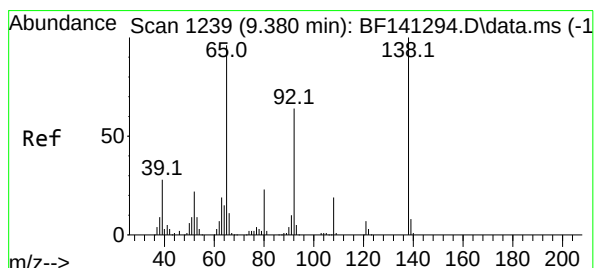
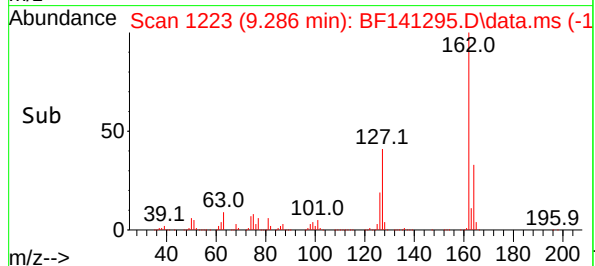
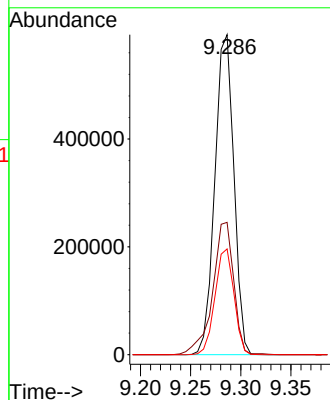
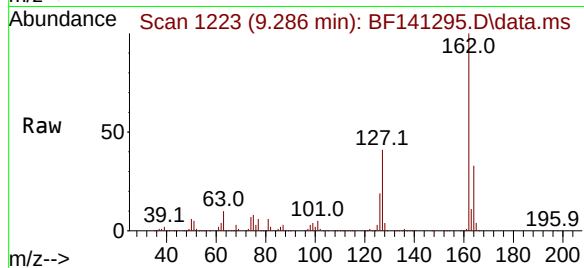
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 49.907 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

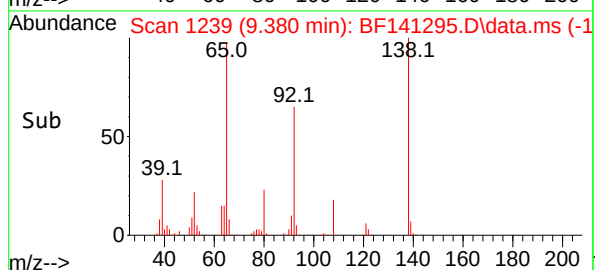
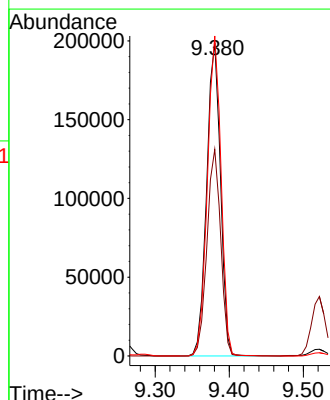
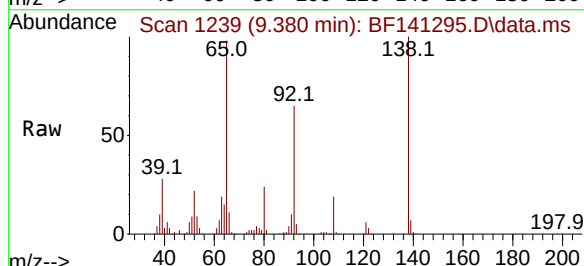
Tgt Ion: 65 Resp: 257199

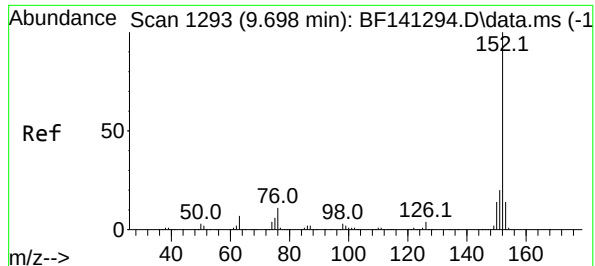
Ion Ratio Lower Upper

65 100

92 66.0 53.3 79.9

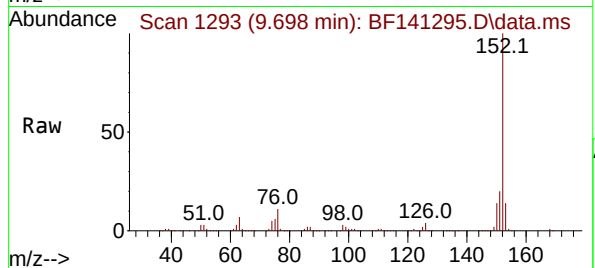
138 102.3 83.6 125.4





#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

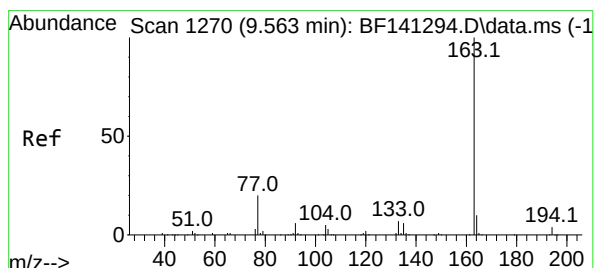
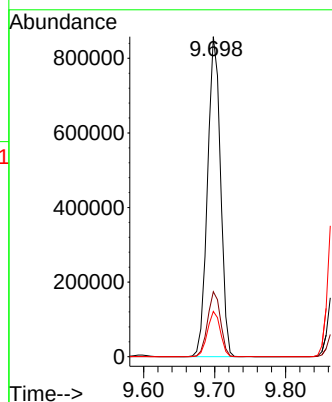
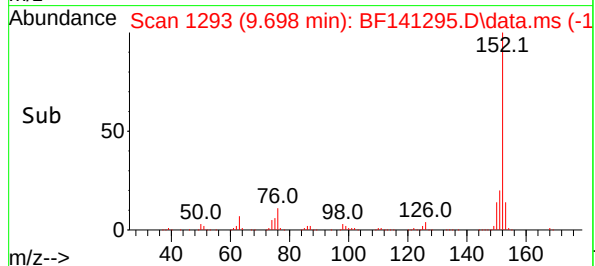
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



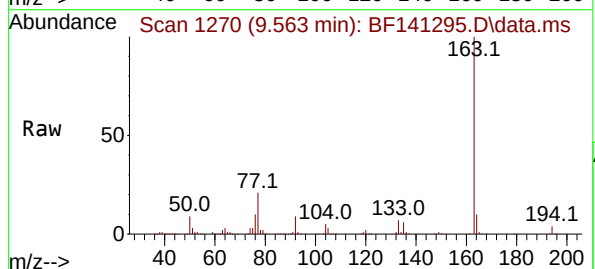
Tgt Ion:152 Resp: 1092234
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 14.2 11.0 16.6

Manual Integrations
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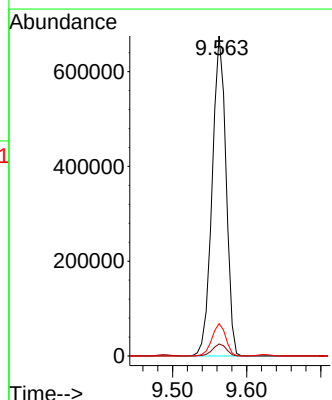
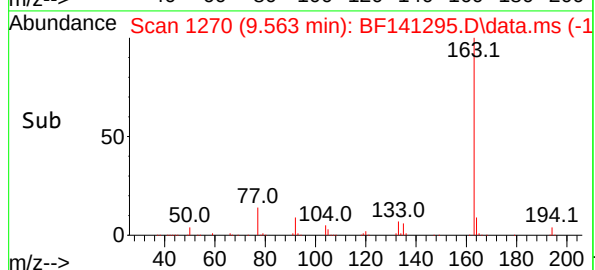
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

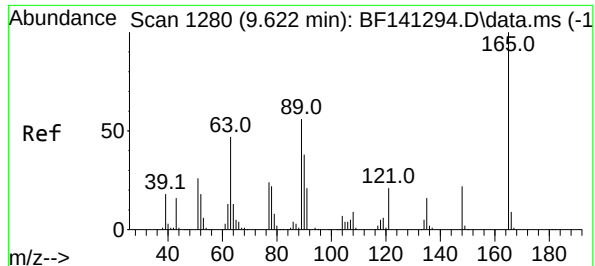


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



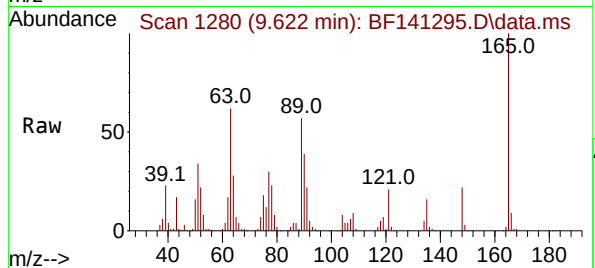
Tgt Ion:163 Resp: 875569
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.1 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

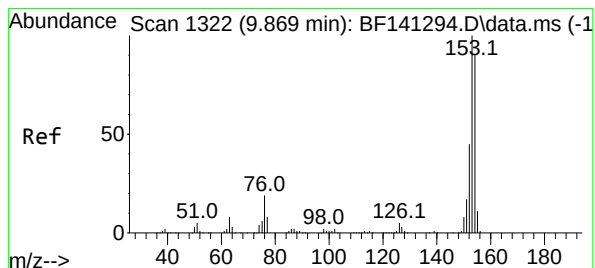
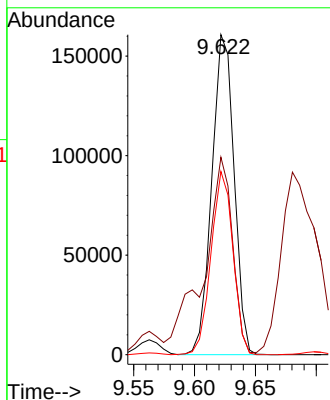
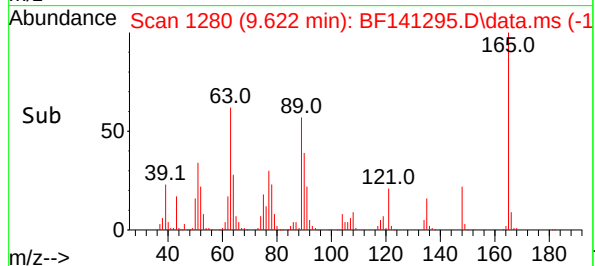
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 20491
Ion Ratio Lower Upper
165 100
63 61.7 48.1 72.1
89 57.3 44.9 67.3

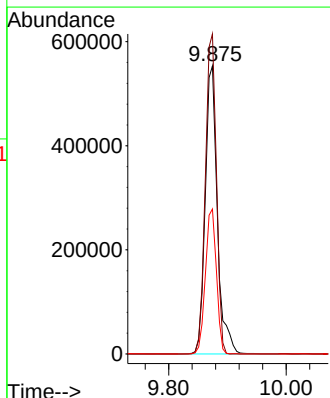
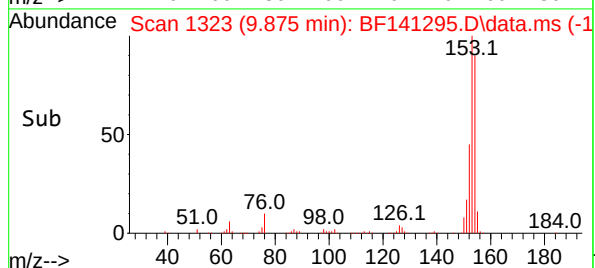
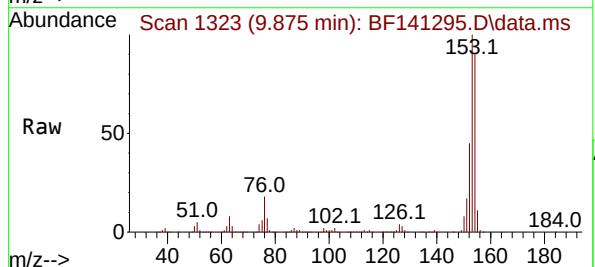
Manual Integrations
APPROVED

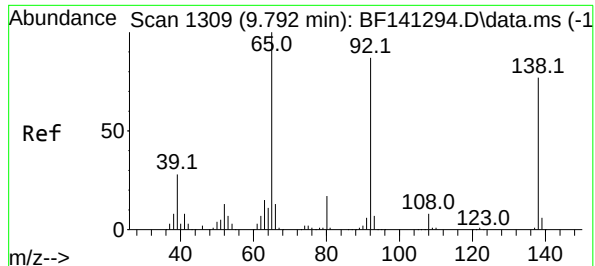
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

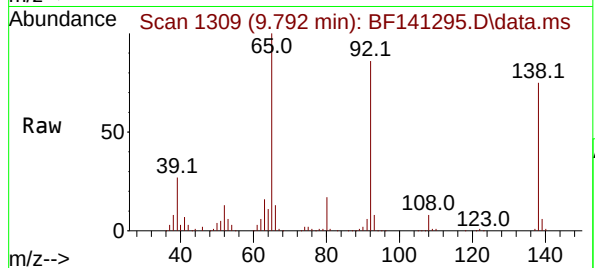
Tgt Ion:154 Resp: 789039
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 50.3 40.2 60.4





#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

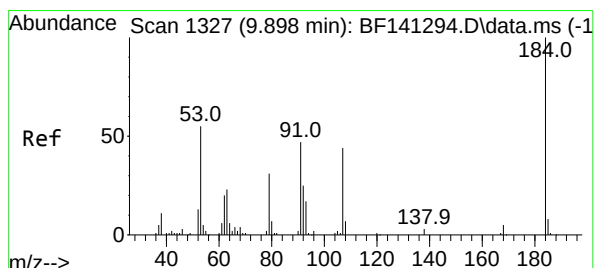
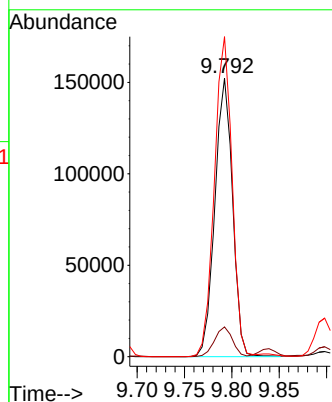
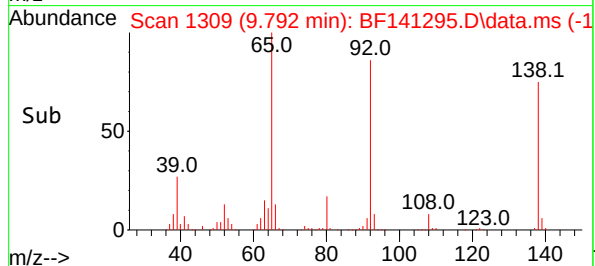
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 197832
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.0 91.0 136.6

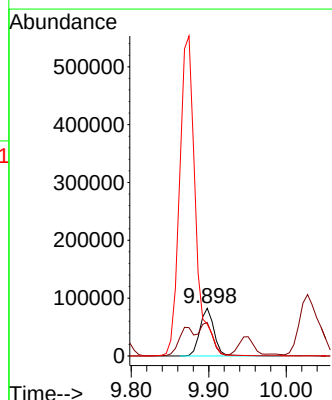
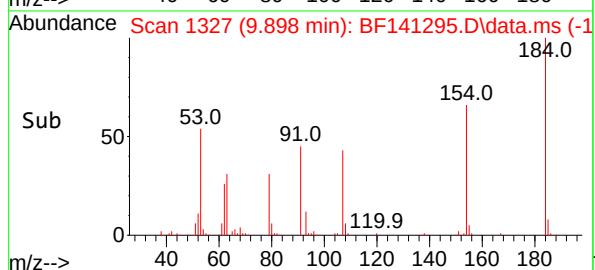
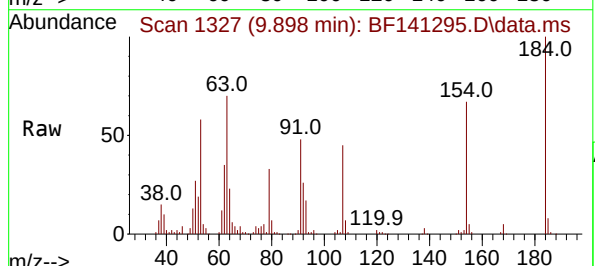
Manual Integrations
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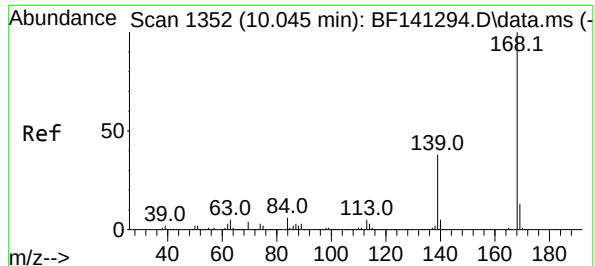
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313
Ion Ratio Lower Upper
184 100
63 70.3 54.1 81.1
154 66.8 50.7 76.1





#55

Dibenzenofuran

Concen: 47.082 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 102818

Ion Ratio Lower Upper

168 100

139 38.6 30.6 46.0

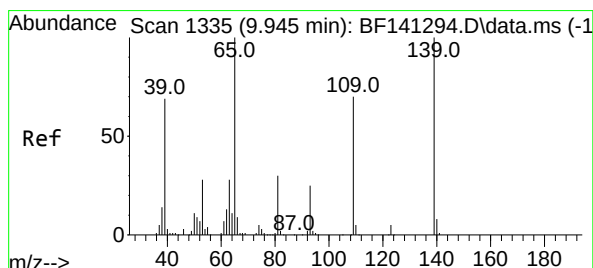
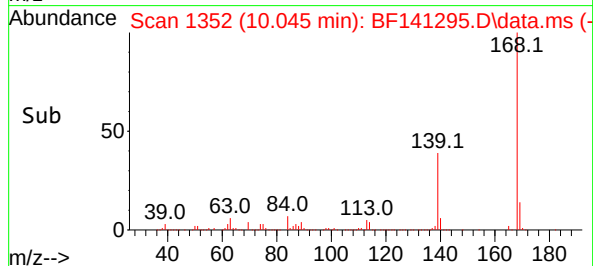
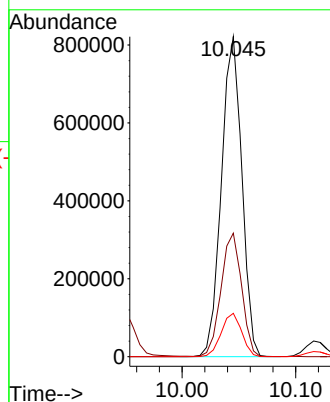
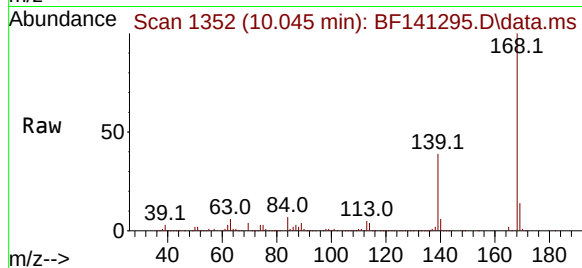
169 13.6 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 52.067 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

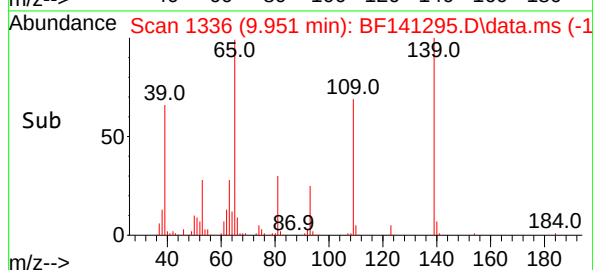
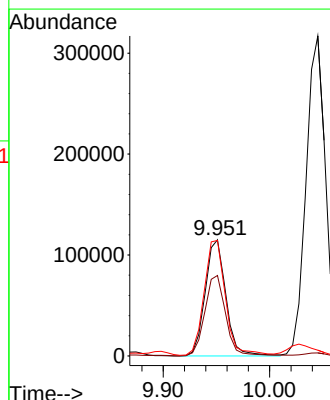
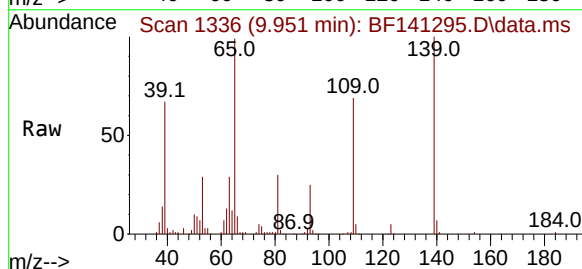
Tgt Ion:139 Resp: 155594

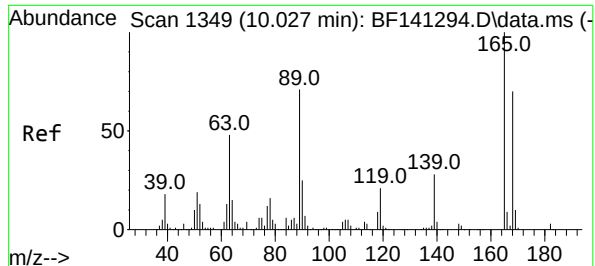
Ion Ratio Lower Upper

139 100

109 69.3 50.2 90.2

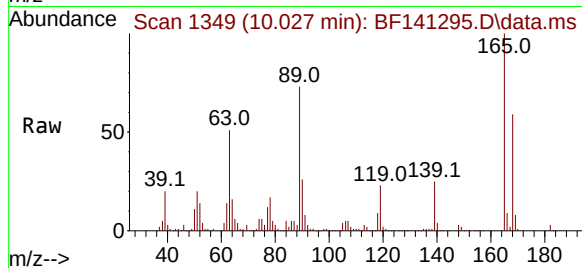
65 99.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

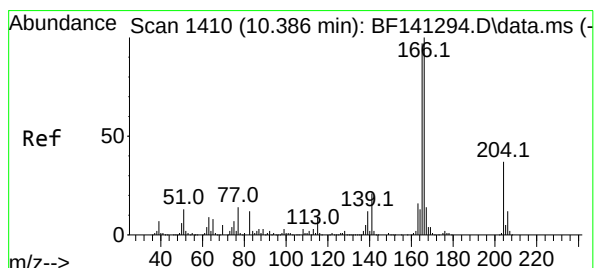
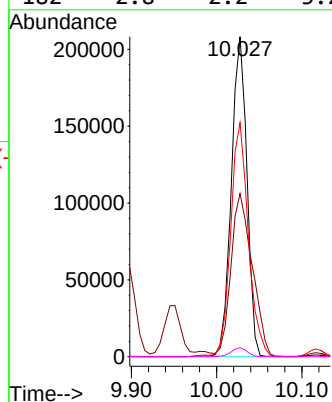
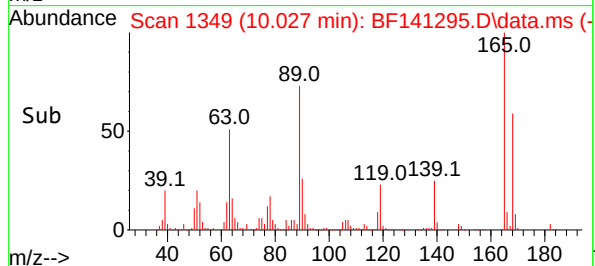
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 264329
Ion Ratio Lower Upper
165 100
63 51.0 39.2 58.8
89 73.1 56.9 85.3
182 2.8 2.2 3.2

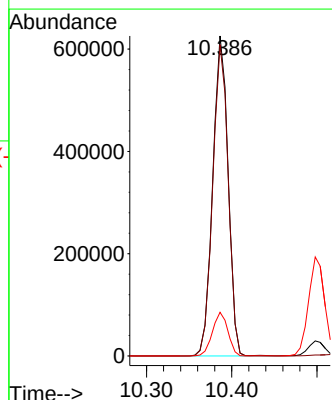
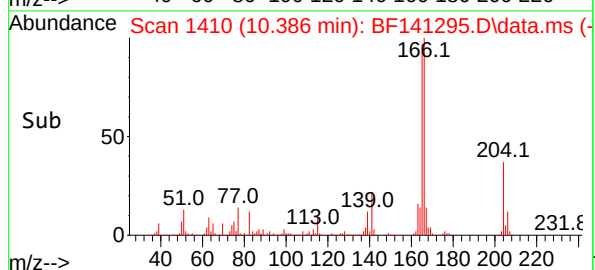
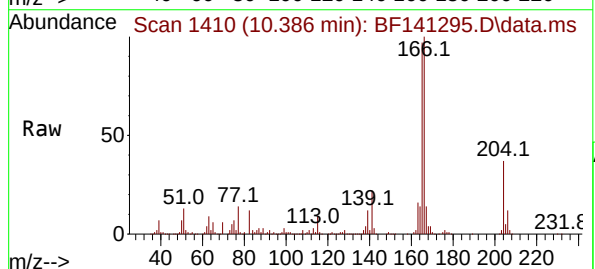
Manual Integrations
APPROVED

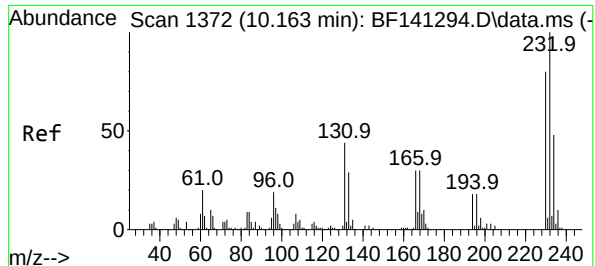
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

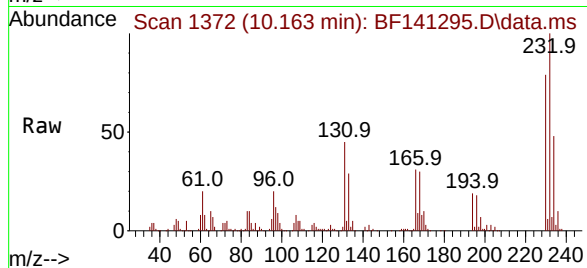
Tgt Ion:166 Resp: 784644
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

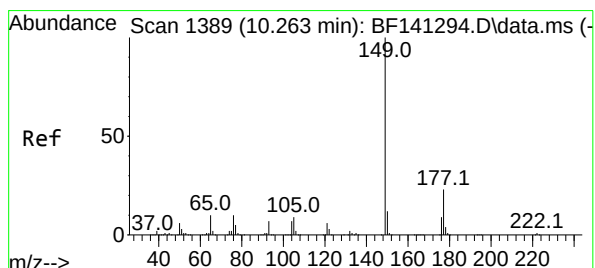
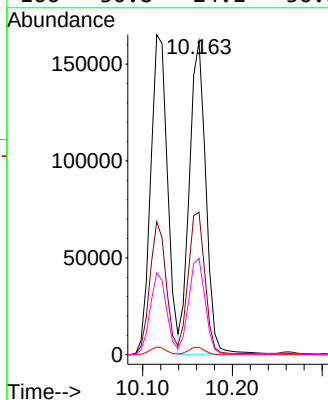
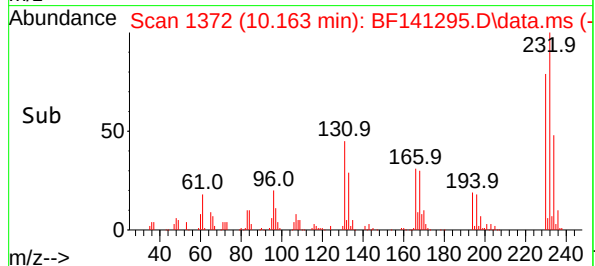
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 205508
Ion Ratio Lower Upper
232 100
131 46.9 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1

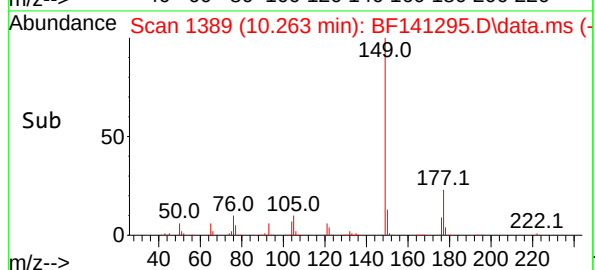
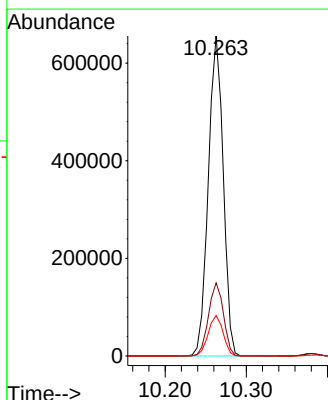
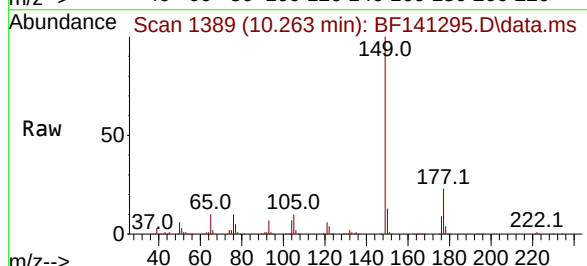
Manual Integrations
APPROVED

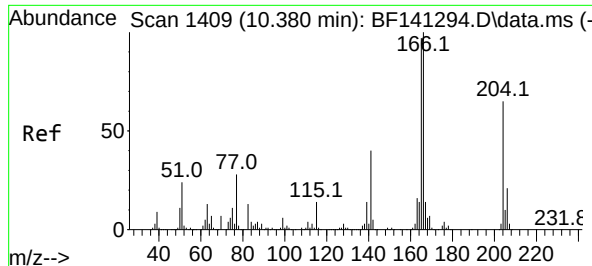
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

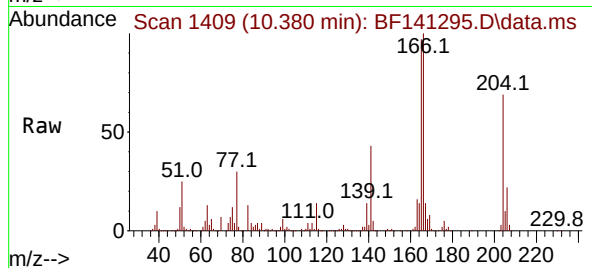
Tgt Ion:149 Resp: 834803
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

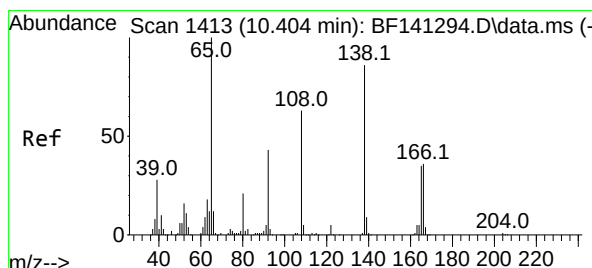
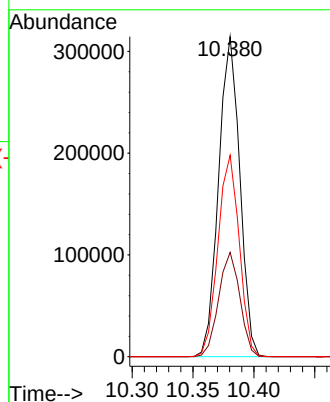
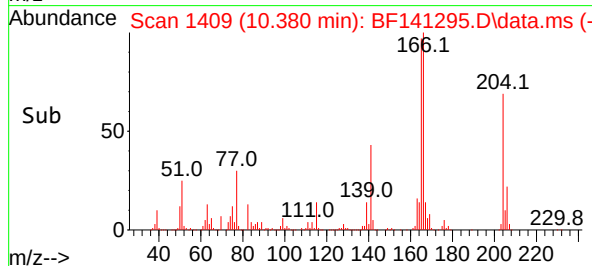
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



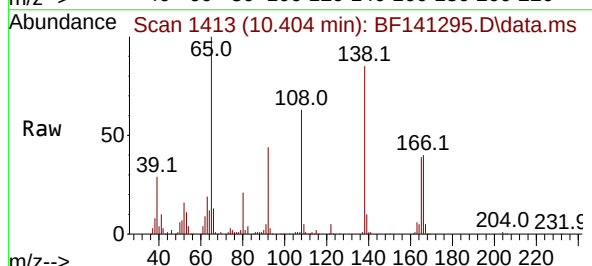
Tgt Ion:204 Resp: 380948
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.9 49.5 74.3

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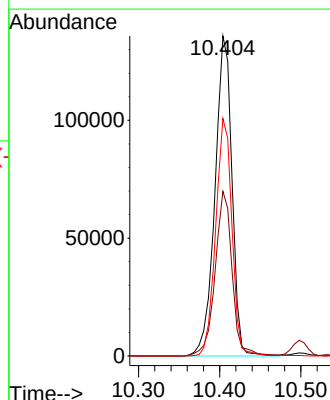
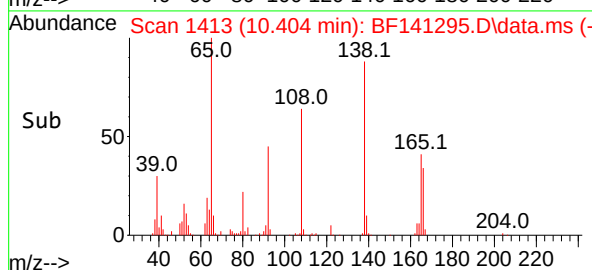
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

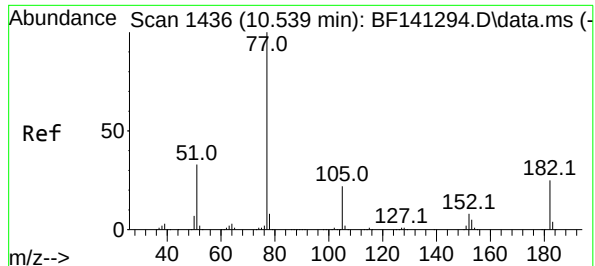


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



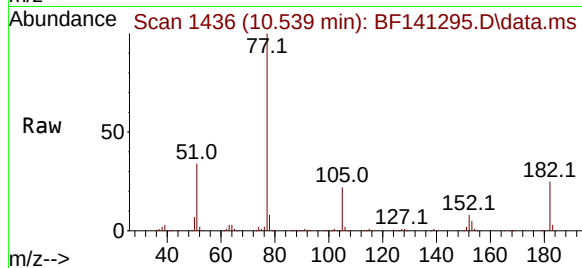
Tgt Ion:138 Resp: 198241
Ion Ratio Lower Upper
138 100
92 51.5 30.1 70.1
108 74.2 53.1 93.1





#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

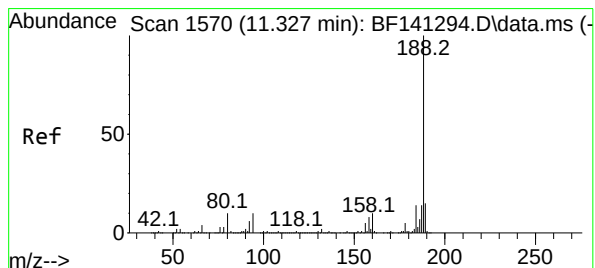
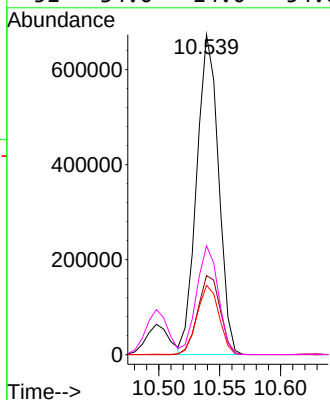
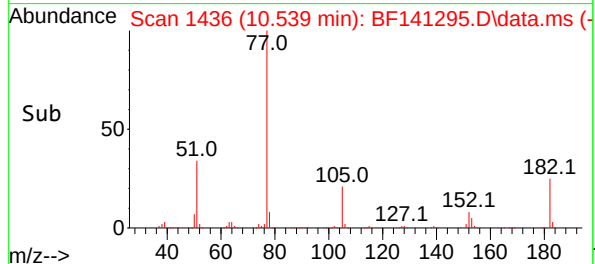
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 84179
Ion Ratio Lower Upper
77 100
182 24.7 5.1 45.1
105 21.7 1.8 41.8
51 34.0 14.0 54.0

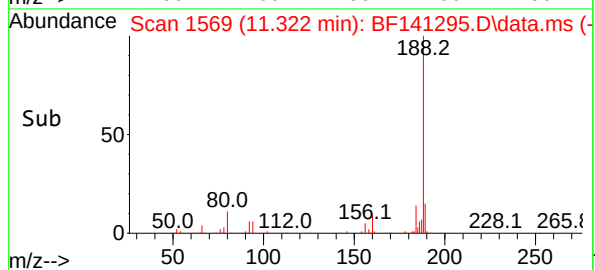
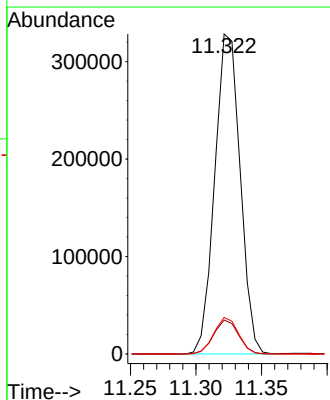
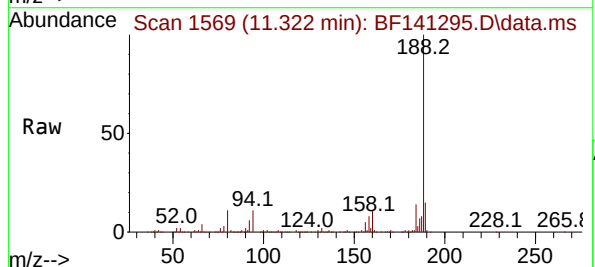
Manual Integrations
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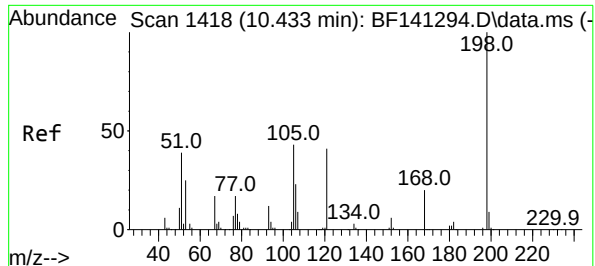
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

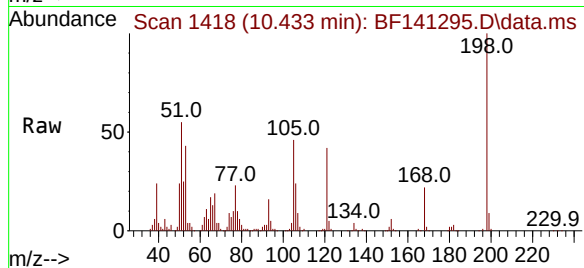
Tgt Ion:188 Resp: 442506
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.4 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

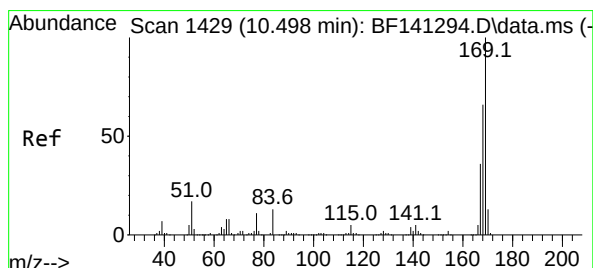
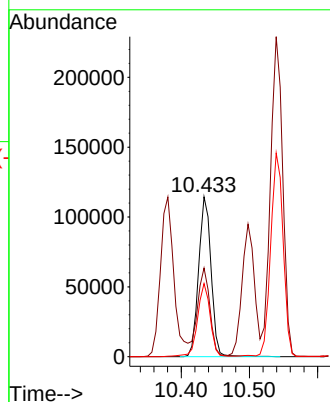
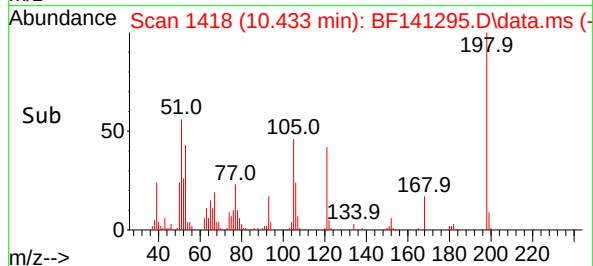
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 144574
Ion Ratio Lower Upper
198 100
51 55.4 33.4 73.4
105 45.8 24.4 64.4

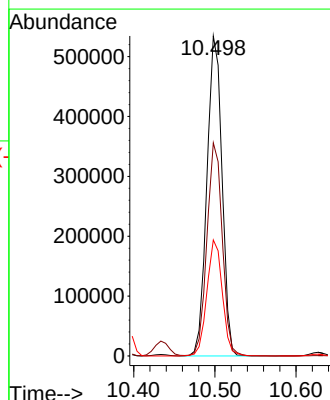
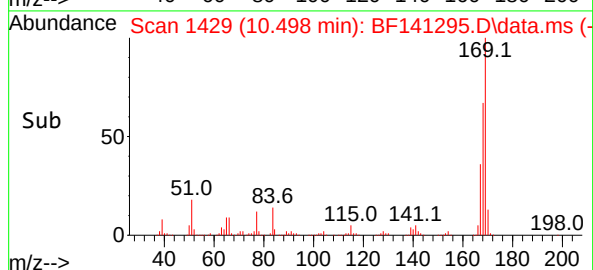
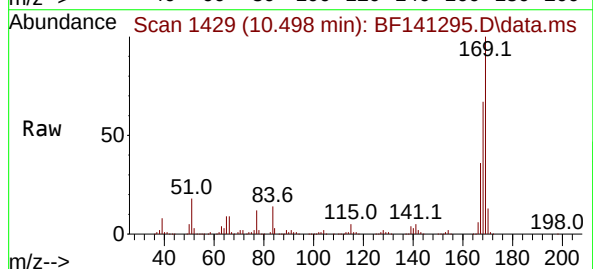
Manual Integrations
APPROVED

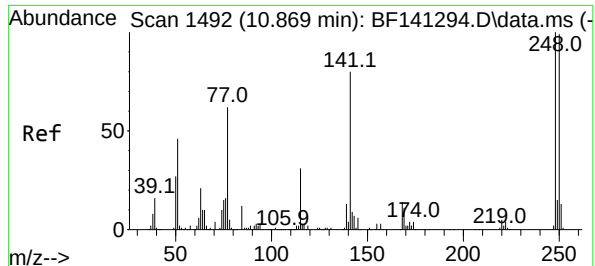
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

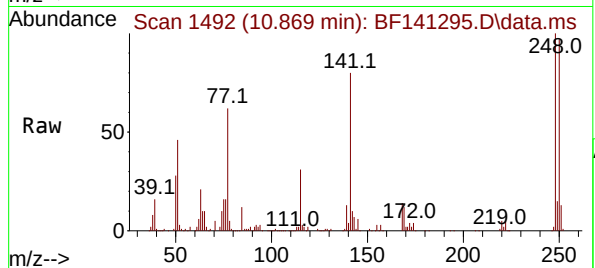
Tgt Ion:169 Resp: 688202
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

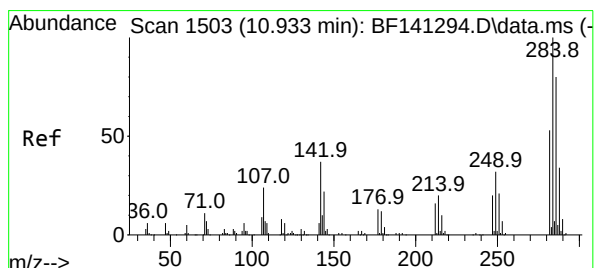
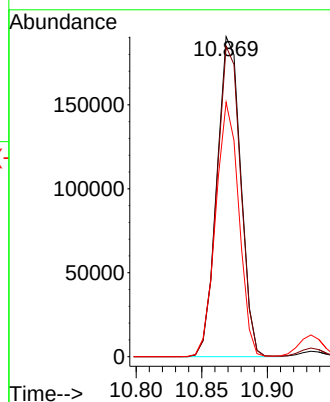
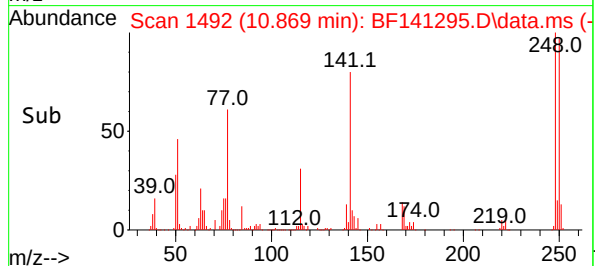
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



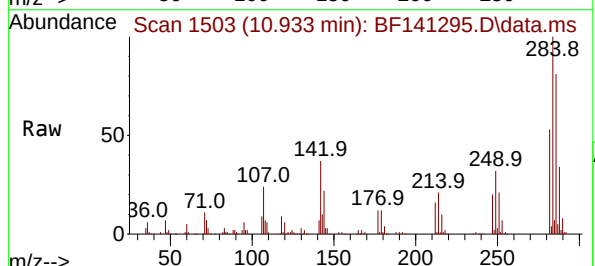
Tgt Ion:248 Resp: 241123
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 79.5 63.7 95.5

Manual Integrations
APPROVED

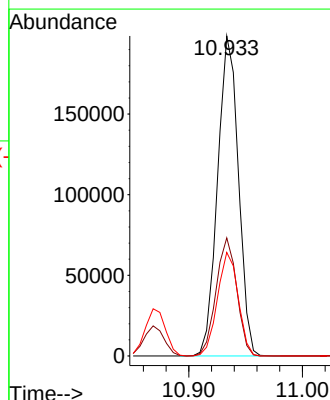
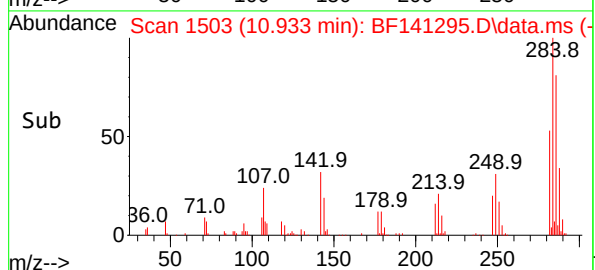
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

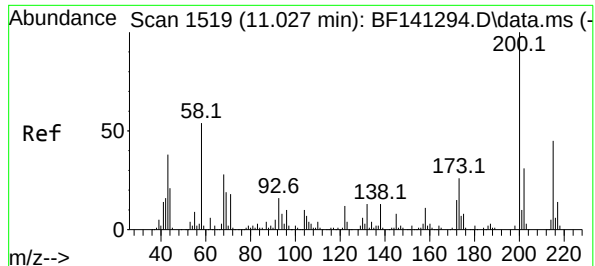


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



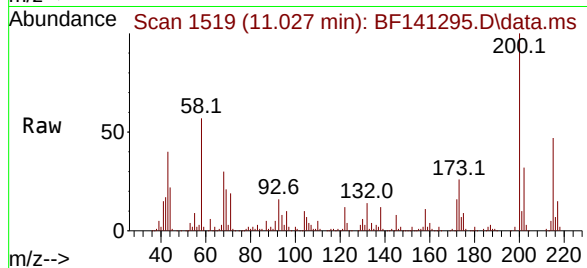
Tgt Ion:284 Resp: 253174
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 32.3 25.4 38.2





#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

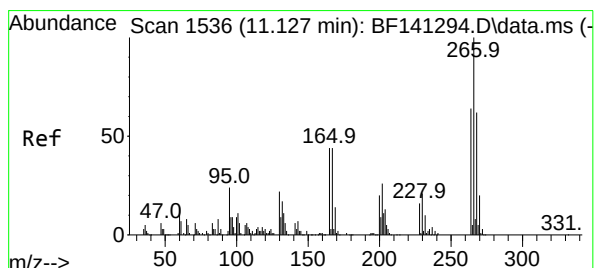
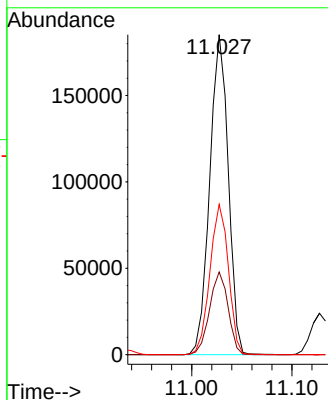
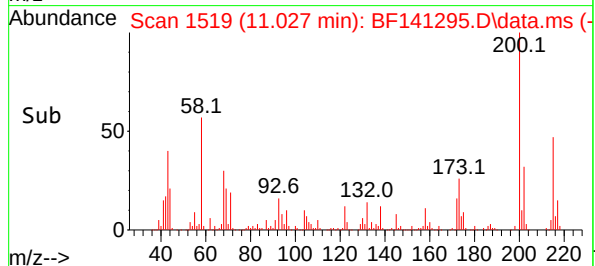
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



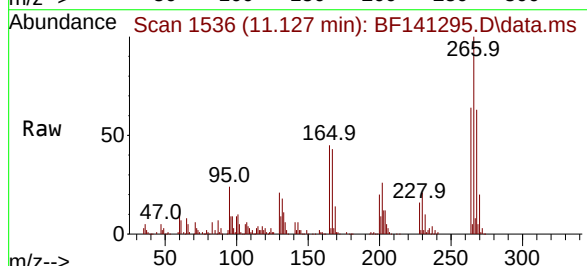
Tgt Ion:200 Resp: 23799
Ion Ratio Lower Upper
200 100
173 25.9 5.9 45.9
215 46.9 25.2 65.2

Manual Integrations
APPROVED

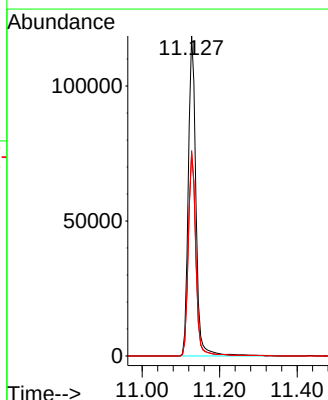
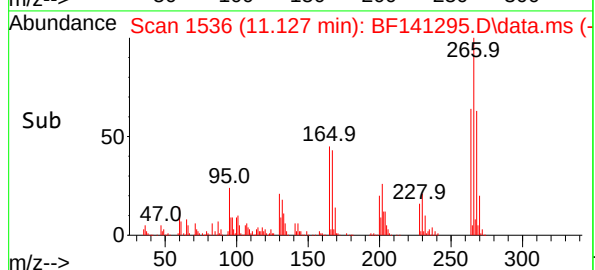
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

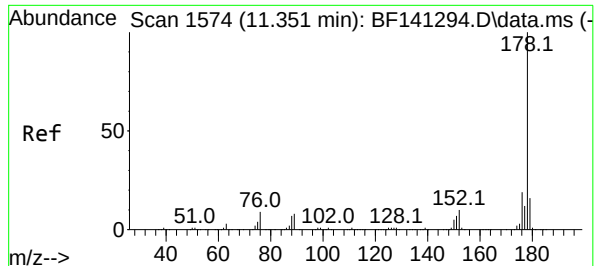


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



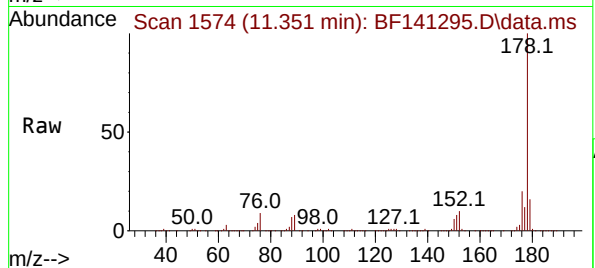
Tgt Ion:266 Resp: 161568
Ion Ratio Lower Upper
266 100
268 63.3 49.9 74.9
264 64.1 51.0 76.4





#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

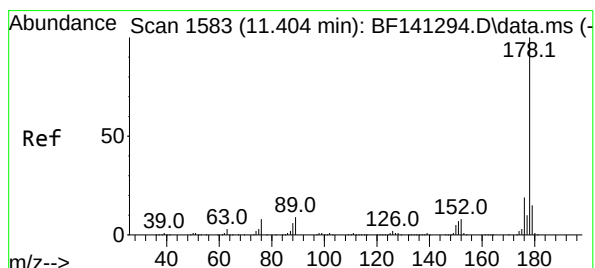
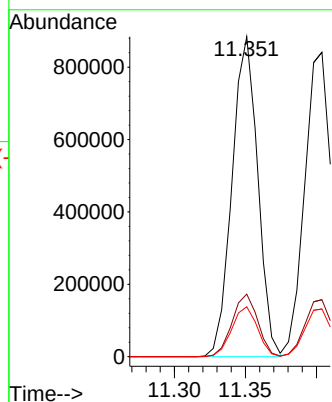
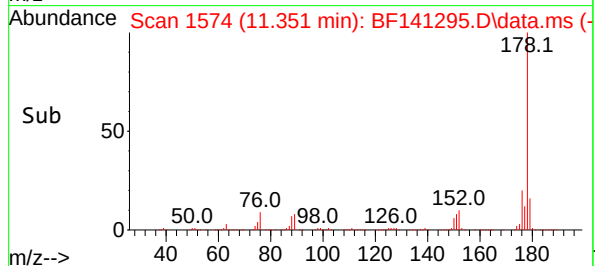
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1114920
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7

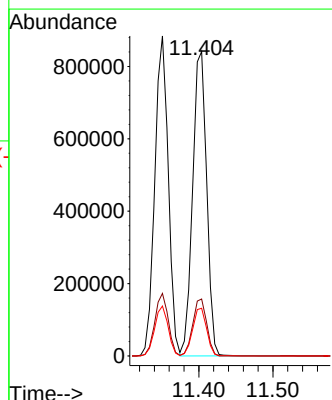
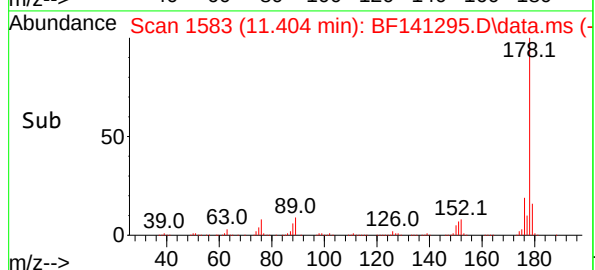
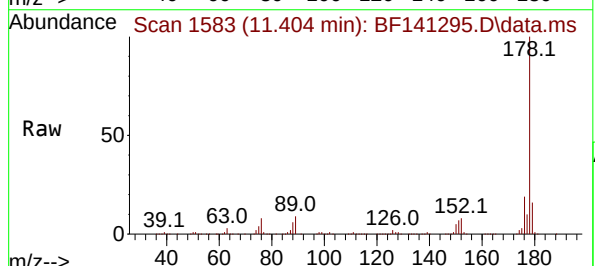
Manual Integrations
APPROVED

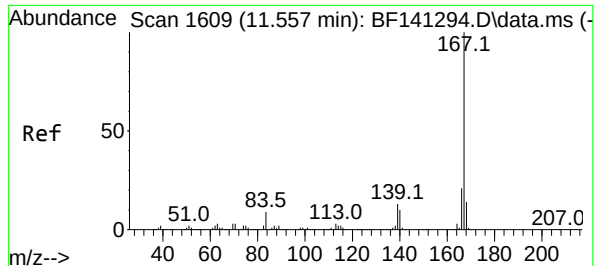
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

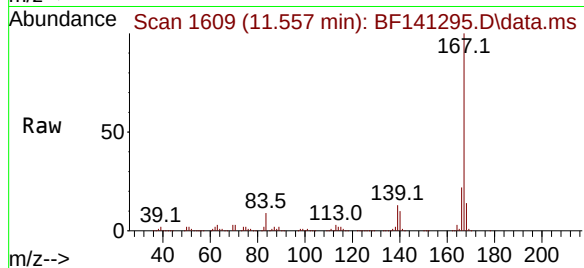
Tgt Ion:178 Resp: 1105681
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

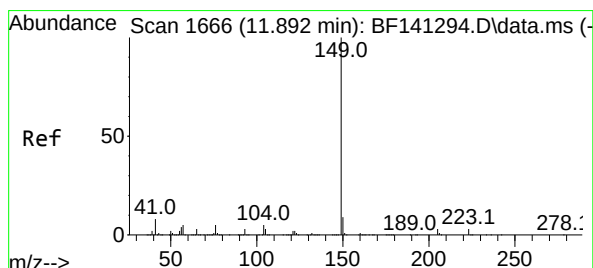
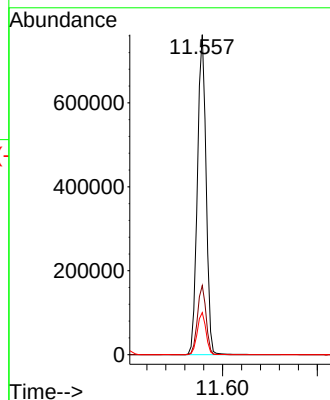
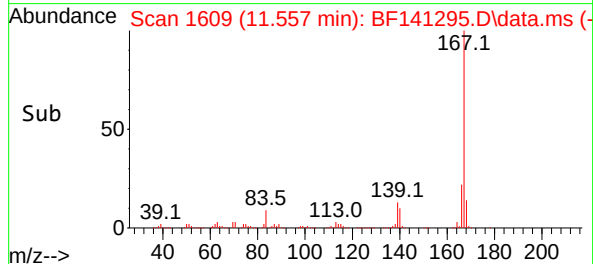
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



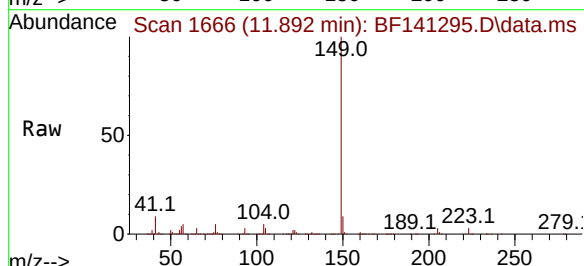
Tgt Ion:167 Resp: 97154
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.6 16.0

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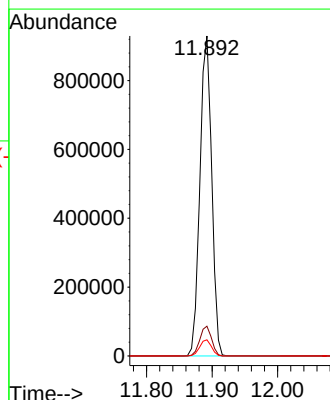
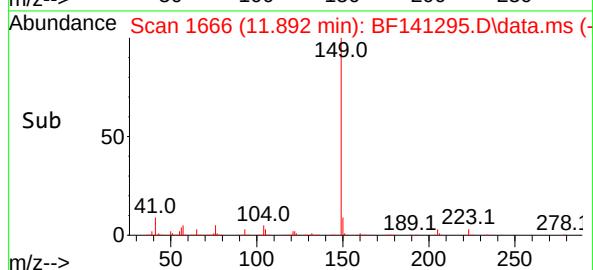
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

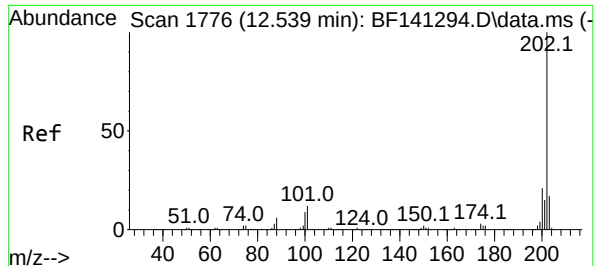


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



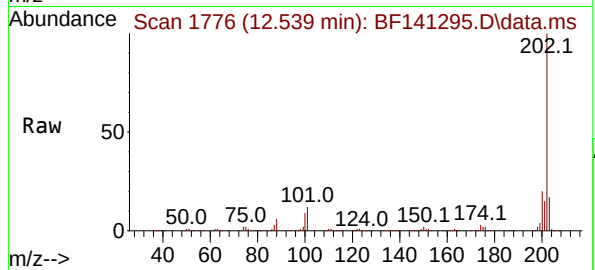
Tgt Ion:149 Resp: 1162607
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

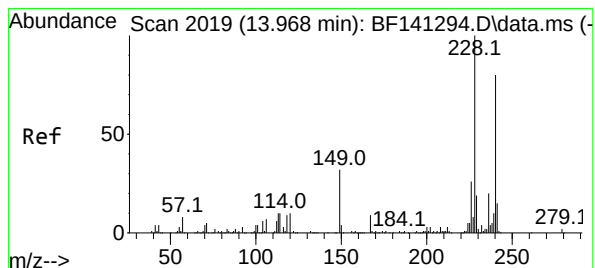
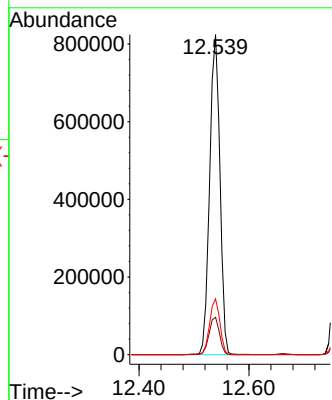
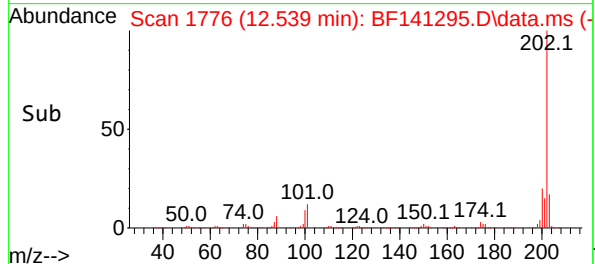
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1065514
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.5

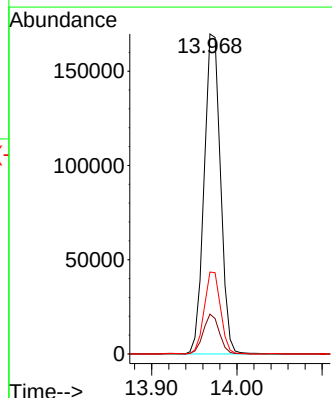
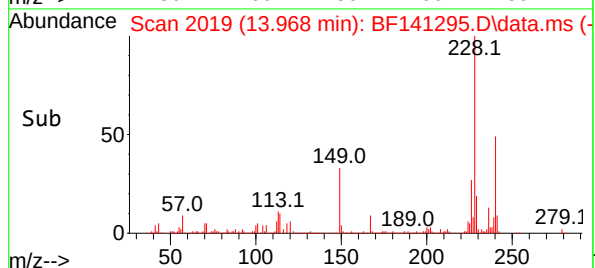
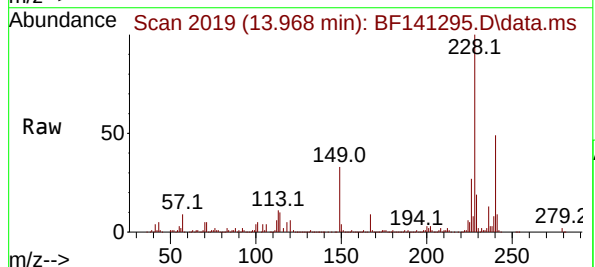
Manual Integrations
APPROVED

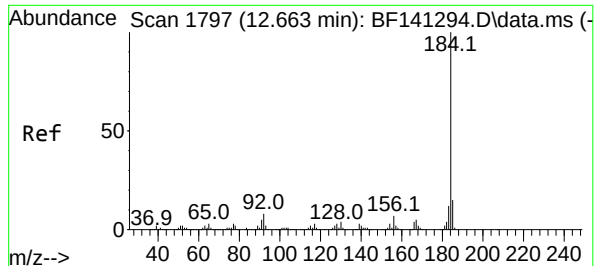
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

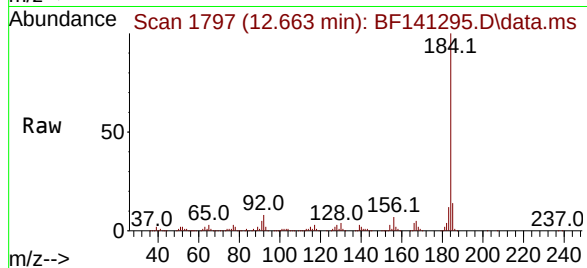
Tgt Ion:240 Resp: 226571
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

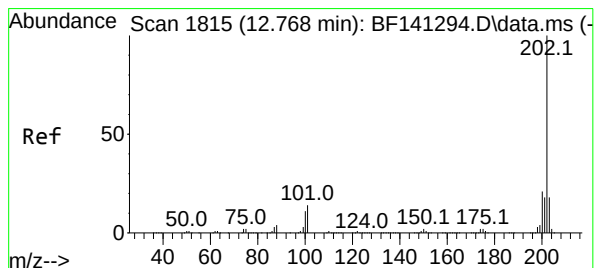
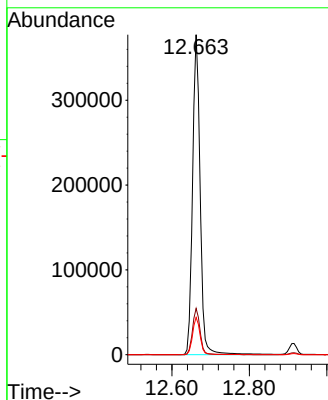
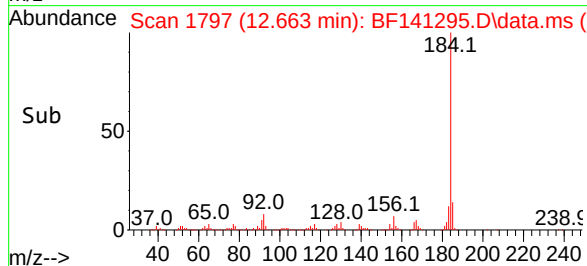
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 513358
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.7 9.5 14.3

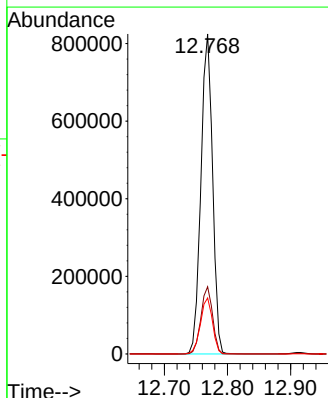
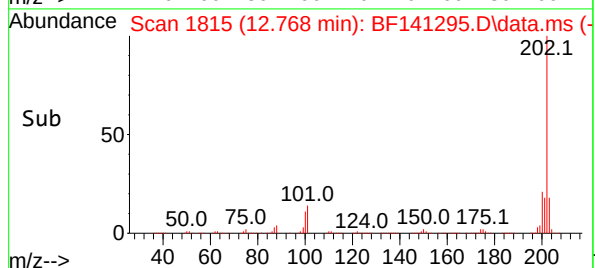
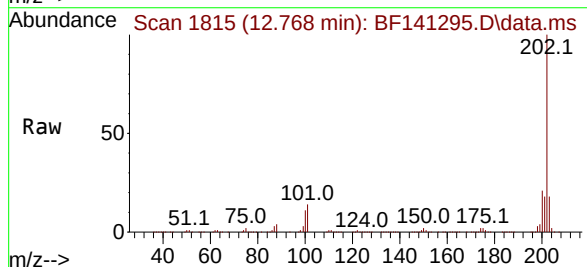
Manual Integrations
APPROVED

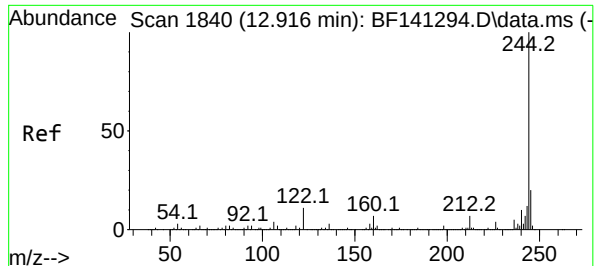
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 95.222 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141295.D

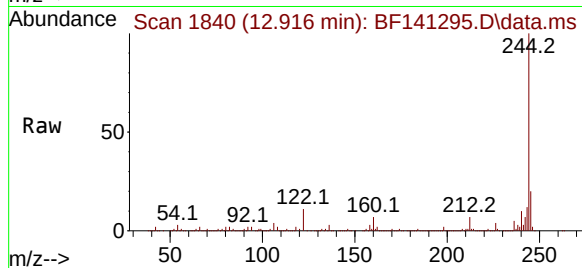
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 140210

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

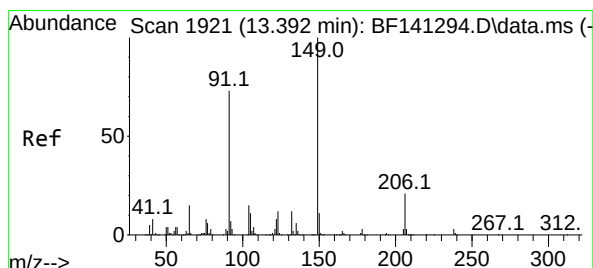
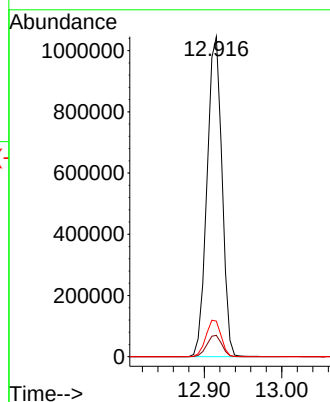
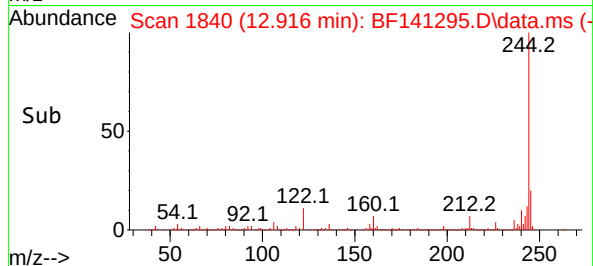
122 11.1 8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

Concen: 49.222 ng

RT: 13.392 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

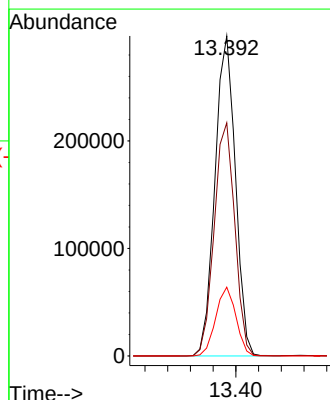
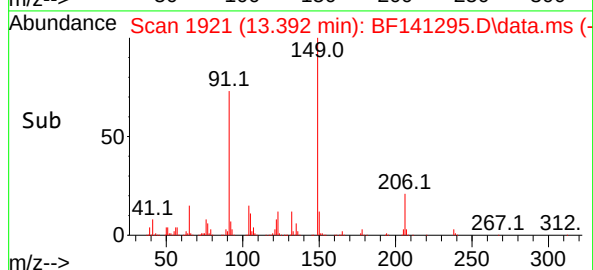
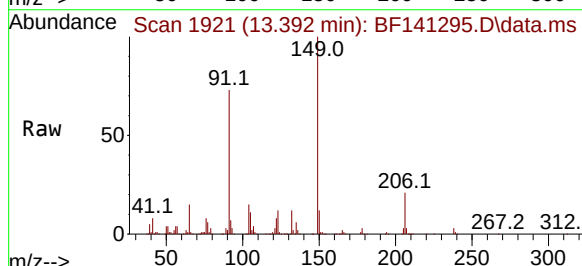
Tgt Ion:149 Resp: 371889

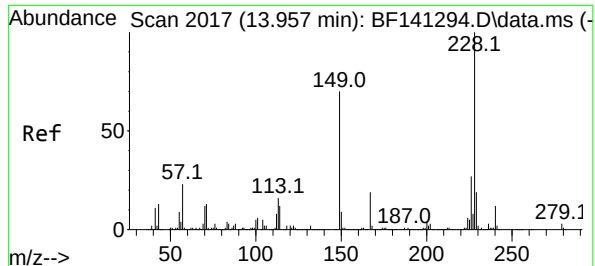
Ion Ratio Lower Upper

149 100

91 72.9 58.6 87.8

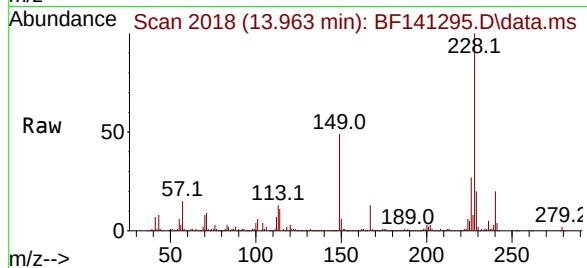
206 21.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

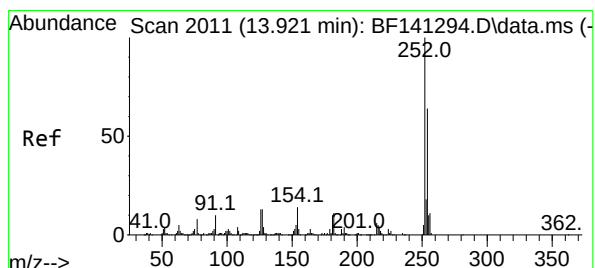
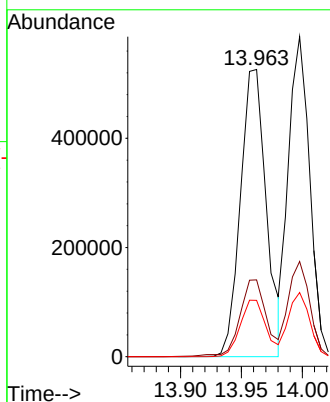
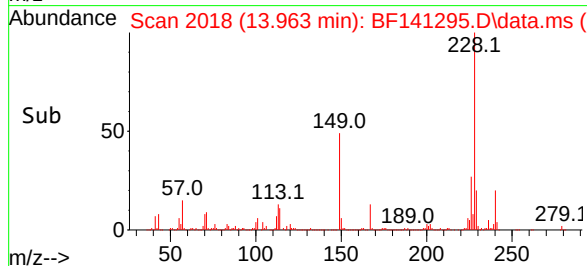
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



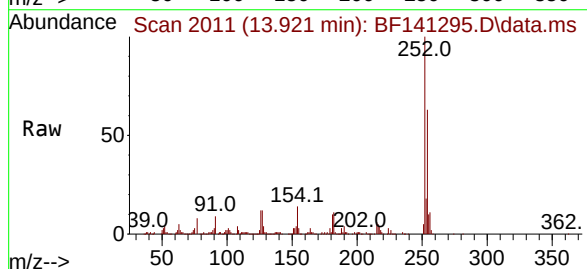
Tgt Ion:228 Resp: 778922
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.6 15.5 23.3

Manual Integrations
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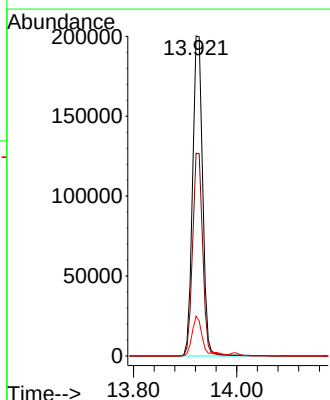
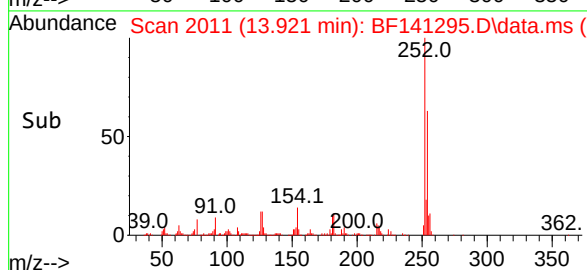
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

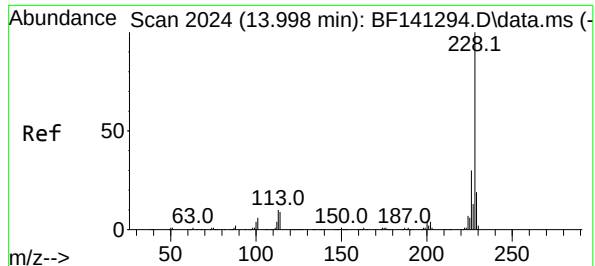


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



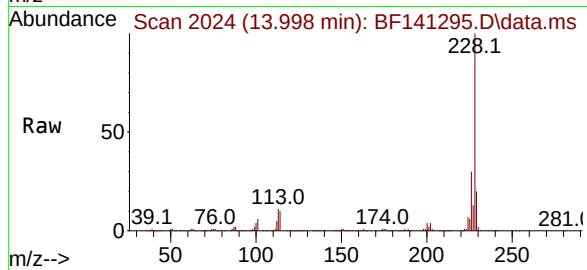
Tgt Ion:252 Resp: 270572
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.4 10.0 15.0





#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

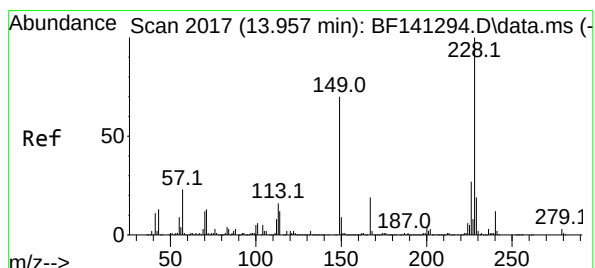
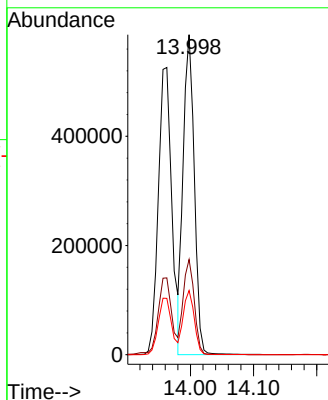
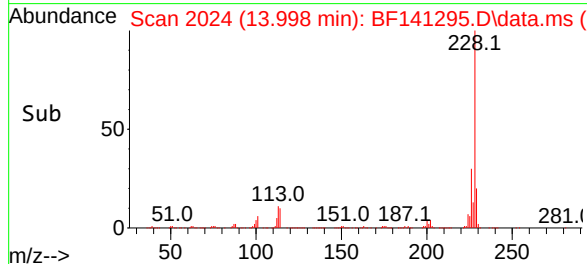
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 717569
Ion Ratio Lower Upper
228 100
226 29.7 24.1 36.1
229 20.1 15.6 23.4

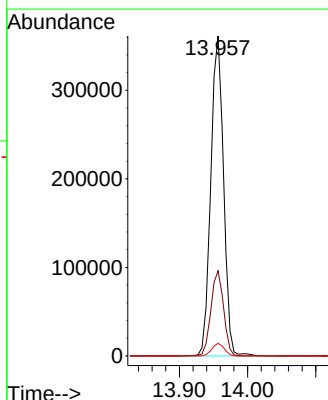
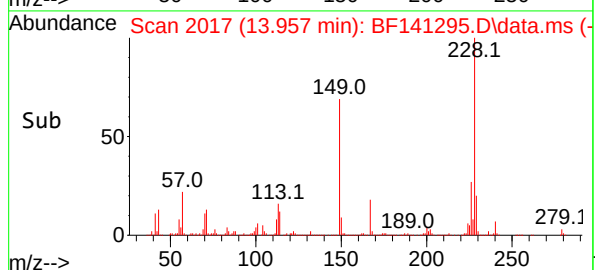
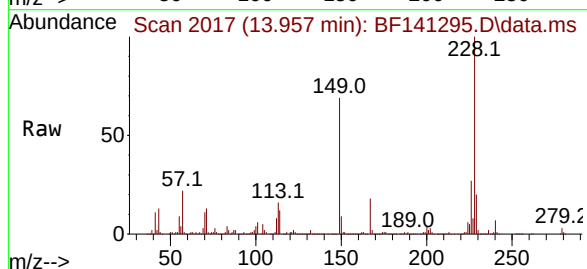
Manual Integrations
APPROVED

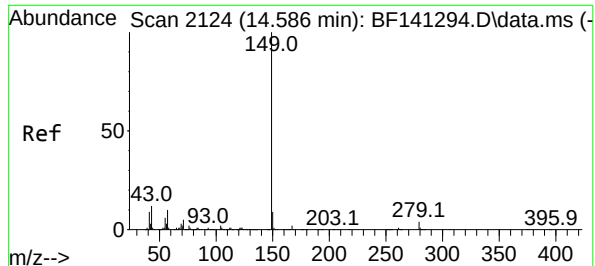
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

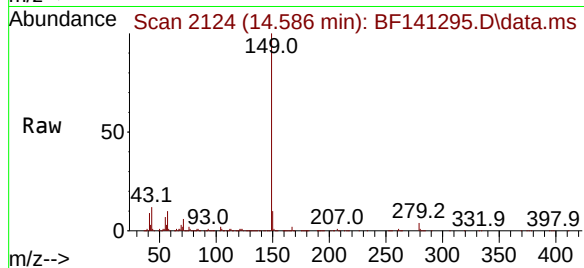
Tgt Ion:149 Resp: 470441
Ion Ratio Lower Upper
149 100
167 26.6 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

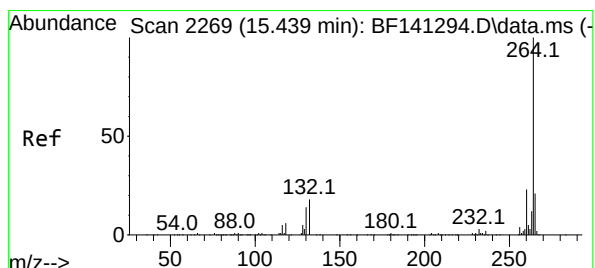
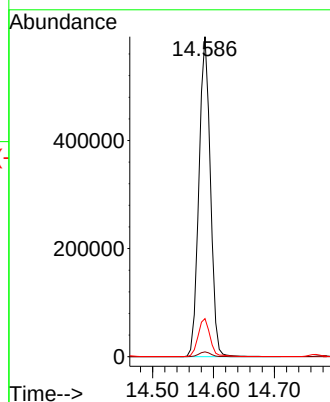
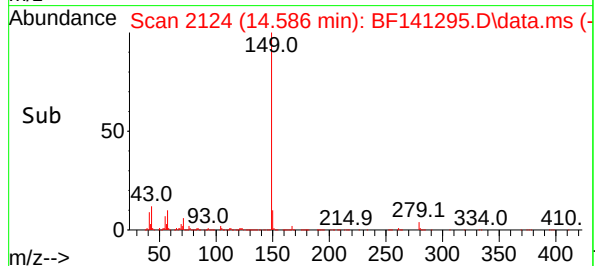
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 77303
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

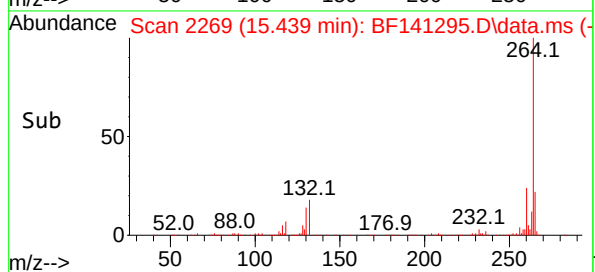
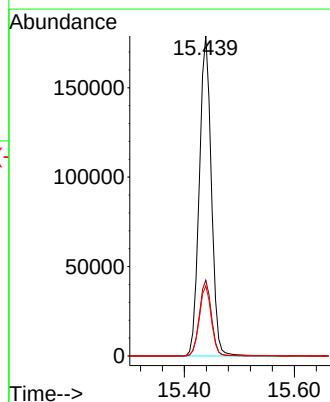
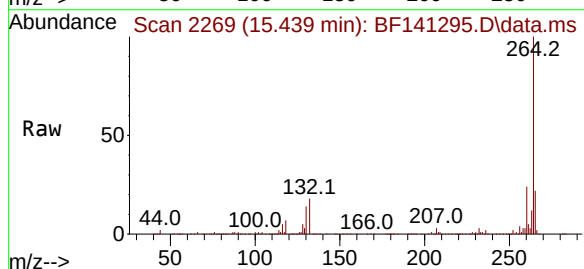
Manual Integrations
APPROVED

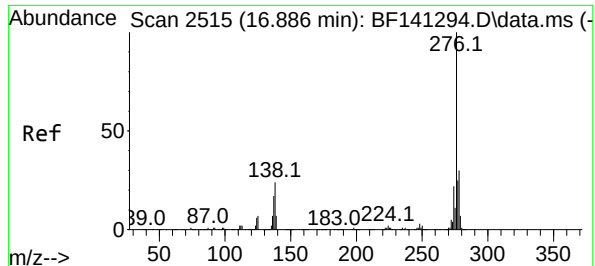
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:264 Resp: 272084
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.584 ng

RT: 16.892 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 916714

Ion Ratio Lower Upper

276 100

138 27.0 21.7 32.5

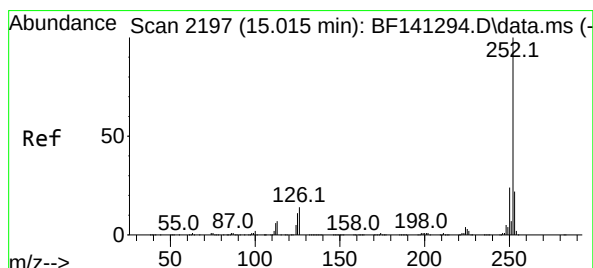
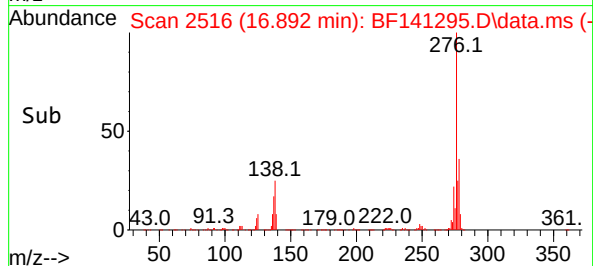
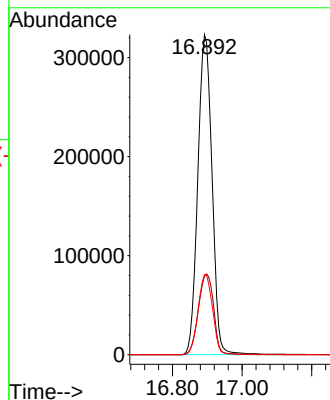
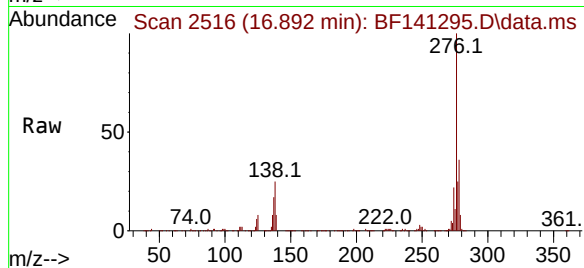
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 50.916 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

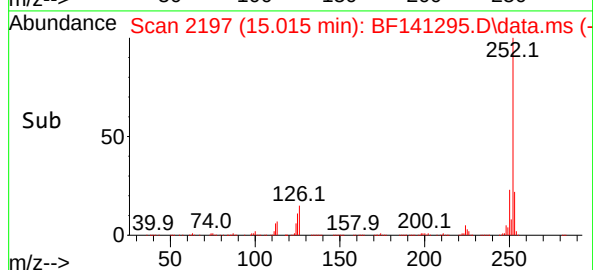
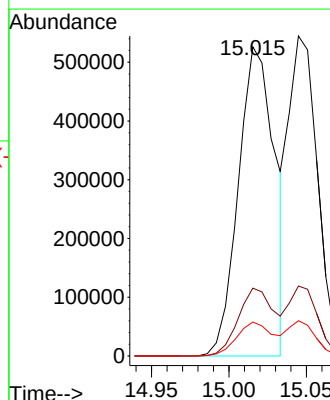
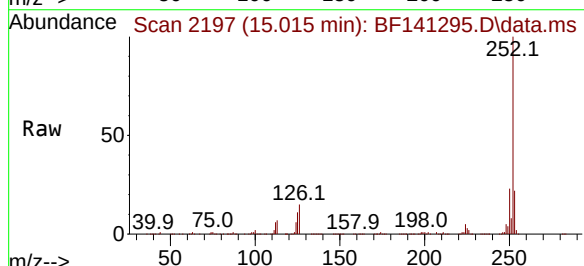
Tgt Ion:252 Resp: 860351

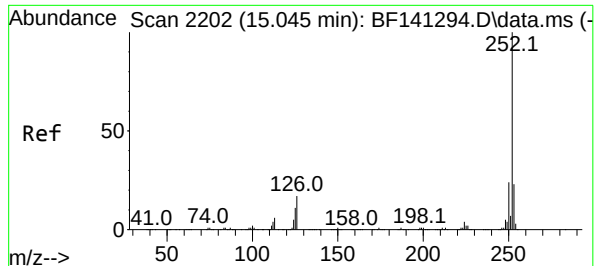
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.153 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141295.D

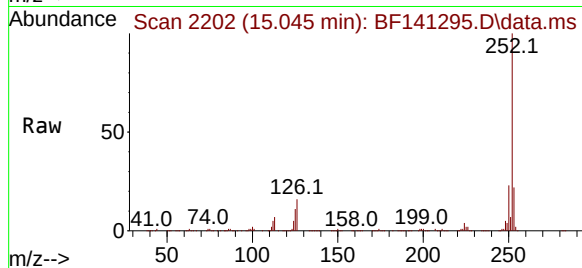
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:252 Resp: 713500

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

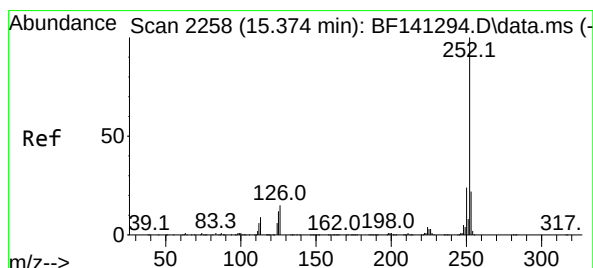
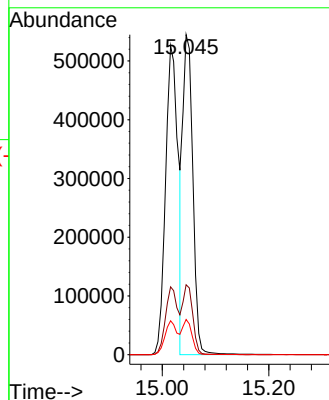
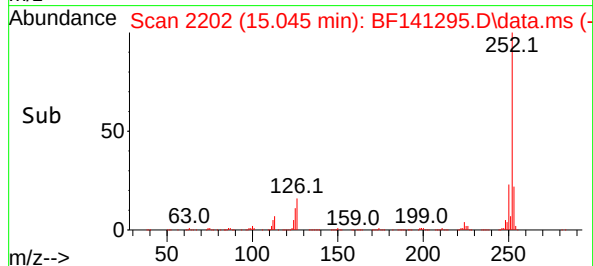
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 49.985 ng

RT: 15.380 min Scan# 2259

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

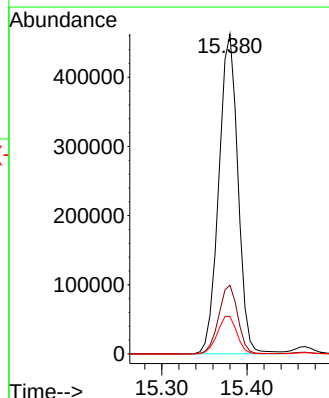
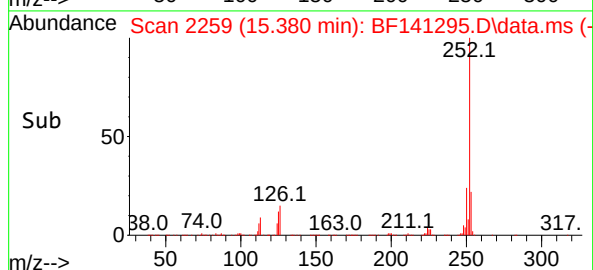
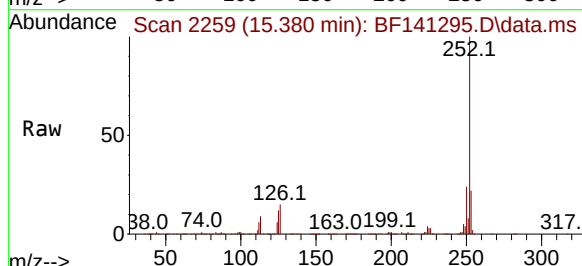
Tgt Ion:252 Resp: 721834

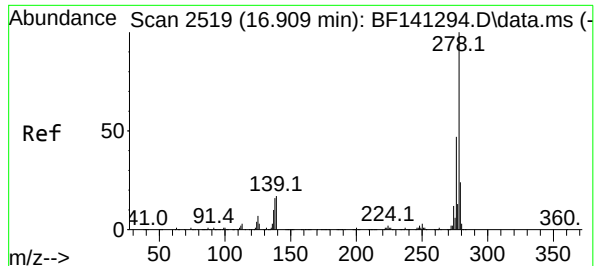
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.7 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 51.907 ng

RT: 16.915 min Scan# 2520

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

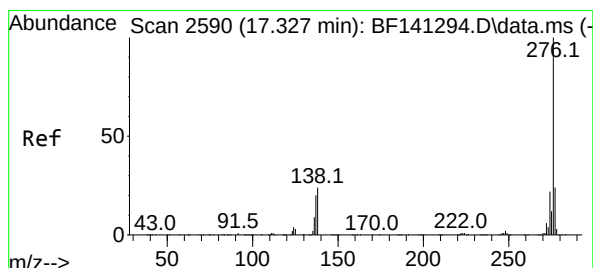
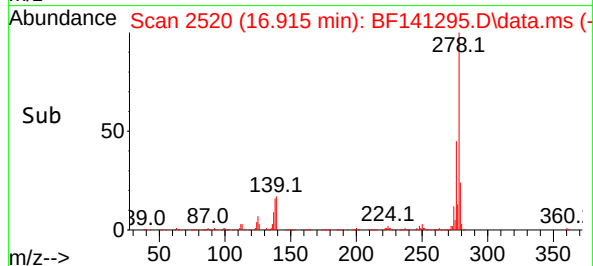
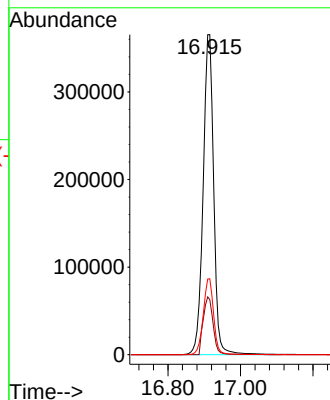
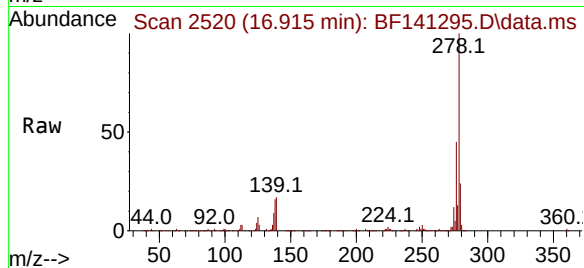
SSTDICC050

Tgt Ion:	278	Resp:	73939
Ion Ratio	Lower	Upper	
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 50.990 ng

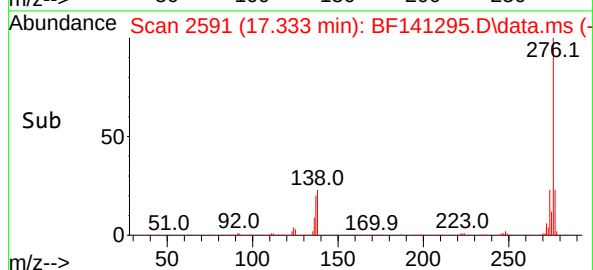
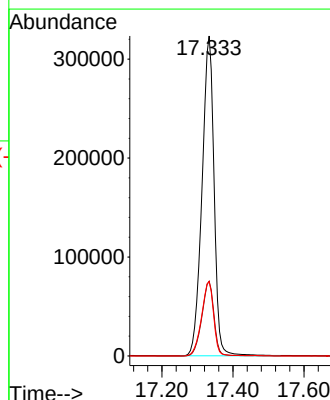
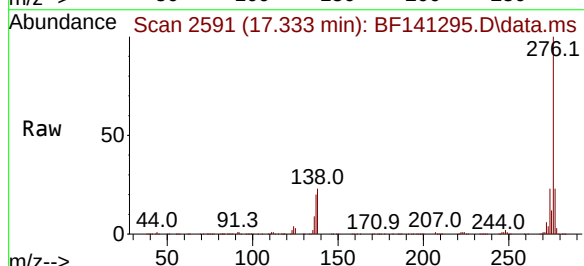
RT: 17.333 min Scan# 2591

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:	276	Resp:	764064
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.2	28.8
138	23.2	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:14:44 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng	0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng	0.00
86) Perylene-d12	15.451	264	265921	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	952391	113.729	ng	0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng	0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng	0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng	99
3) Pyridine	3.216	79	527201	60.698	ng	99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng	99
6) Aniline	6.463	93	506937	55.493	ng	# 89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng	98
9) Benzaldehyde	6.351	77	314238	48.677	ng	98
10) Phenol	6.445	94	640034	56.549	ng	94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng	99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng	99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng	100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng	99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng	99
17) 2-Methylphenol	7.057	107	420597	58.211	ng	99
18) Hexachloroethane	7.316	117	210746	57.649	ng	97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng	97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng	98
22) Acetophenone	7.216	105	651575	53.679	ng	99
24) Nitrobenzene	7.386	77	572234	58.138	ng	99
25) Isophorone	7.622	82	953671	58.383	ng	98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng	99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng	99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng	99
31) Naphthalene	8.104	128	1475900	54.933	ng	99
32) Benzoic acid	7.863	122	380664m	76.193	ng	
33) 4-Chloroaniline	8.157	127	513149	56.786	ng	99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng	100
35) Caprolactam	8.533	113	141023	60.337	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng	97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng	98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng	100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

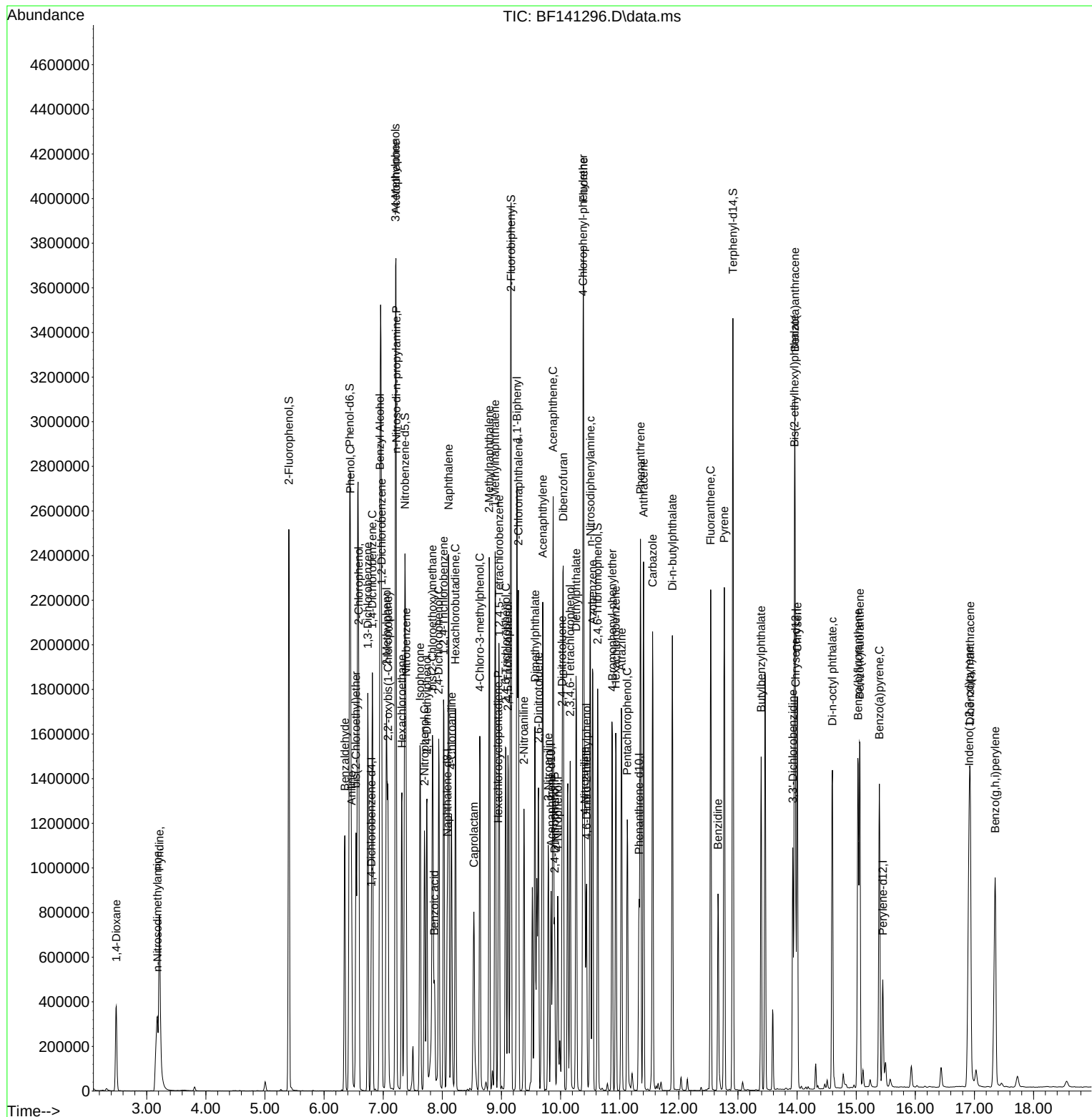
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 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

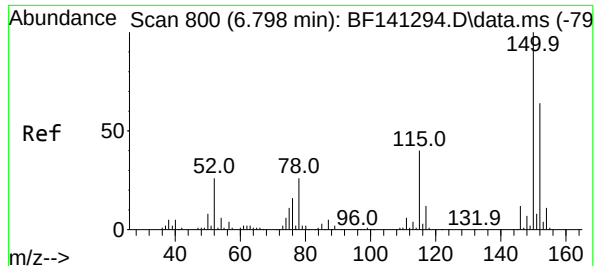
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

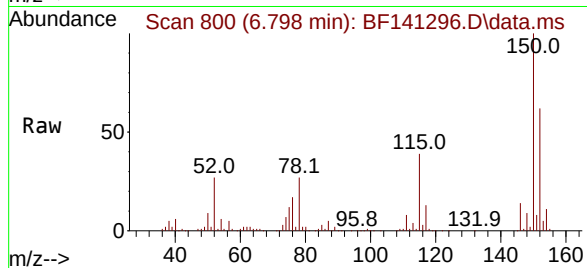
Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

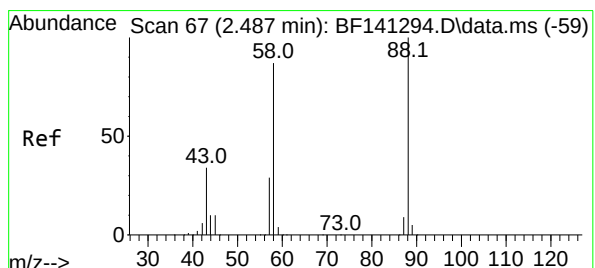
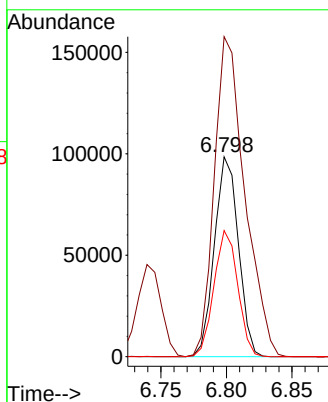
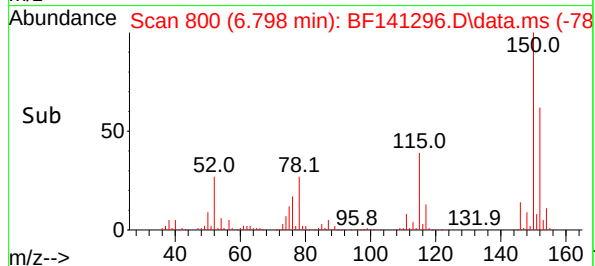
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 152 Resp: 125200
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 63.2 49.7 74.5

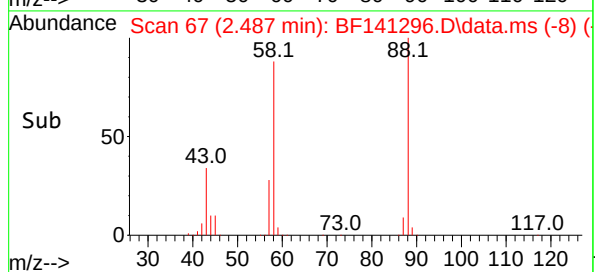
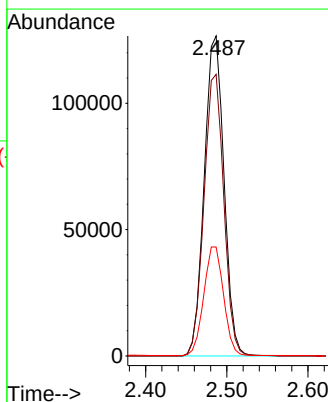
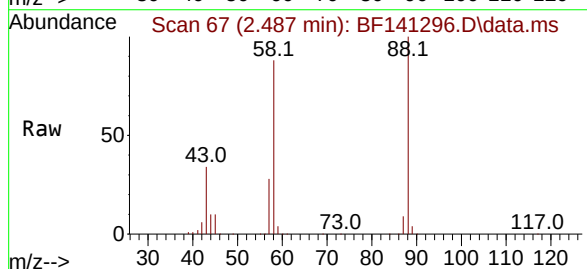
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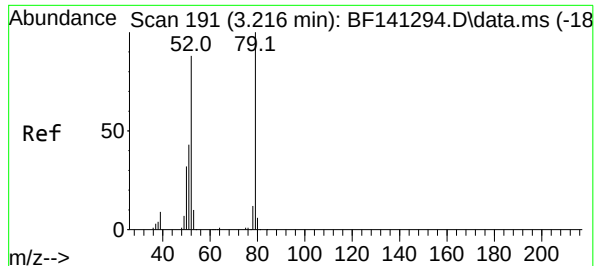
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805
Ion Ratio Lower Upper
88 100
58 88.5 70.2 105.4
43 34.0 27.6 41.4





#3

Pyridine

Concen: 60.698 ng

RT: 3.216 min Scan# 191

Delta R.T. -0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 52720

Ion Ratio Lower Upper

79 100

52 89.0 70.3 105.5

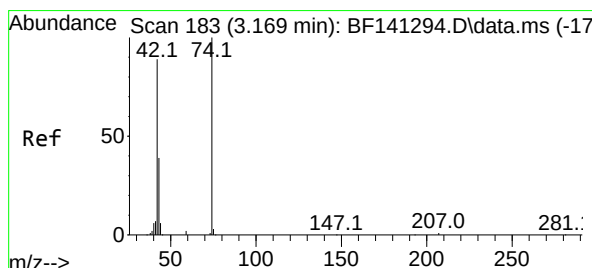
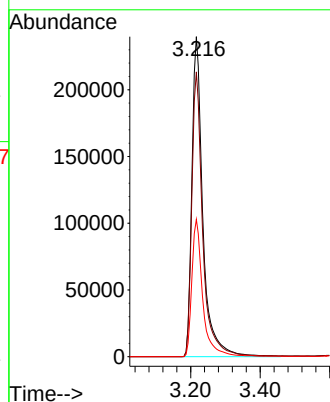
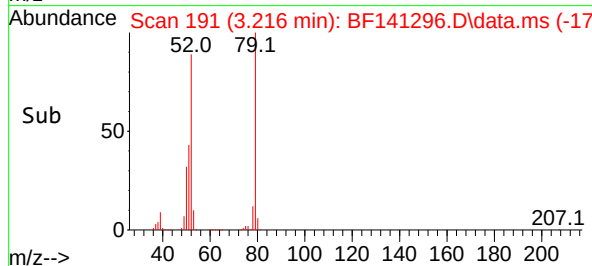
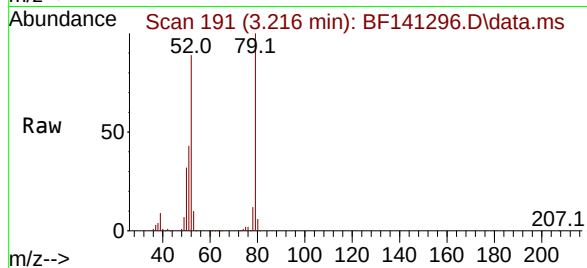
51 42.9 34.3 51.5

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#4

n-Nitrosodimethylamine

Concen: 61.956 ng

RT: 3.181 min Scan# 185

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

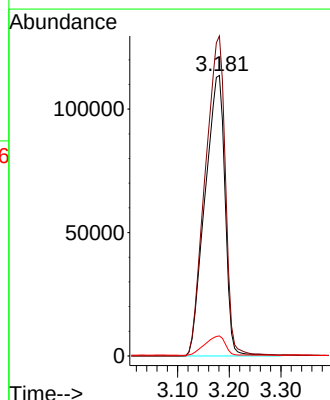
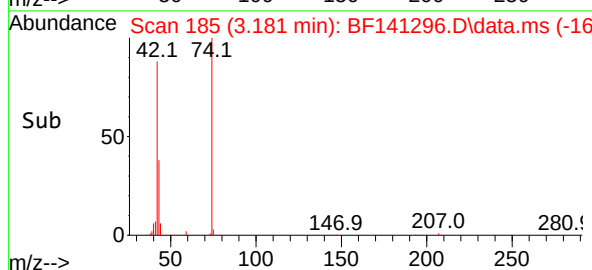
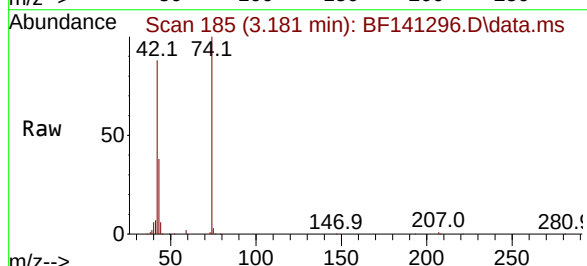
Tgt Ion: 42 Resp: 305314

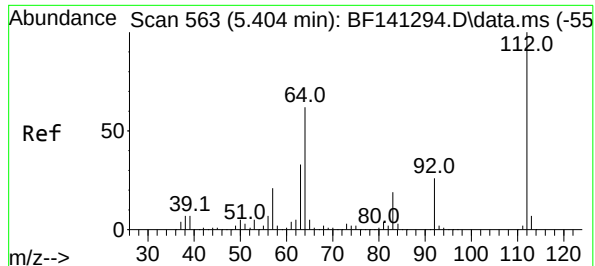
Ion Ratio Lower Upper

42 100

74 114.1 90.3 135.5

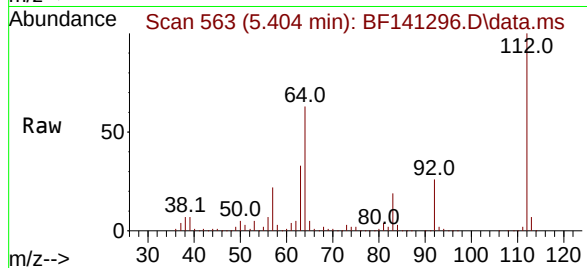
44 7.2 5.7 8.5





#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

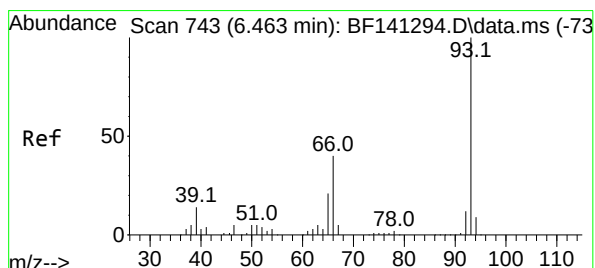
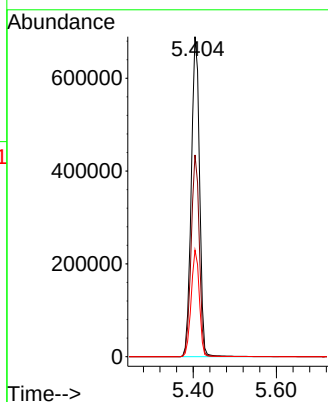
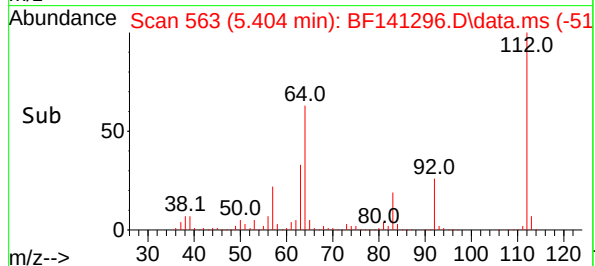
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:112 Resp: 95239
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.3 26.1 39.1

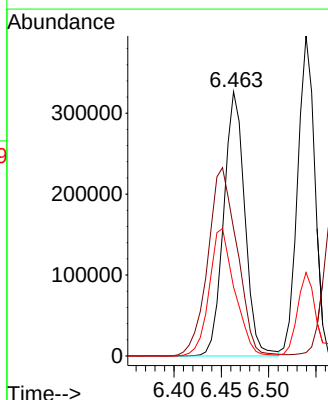
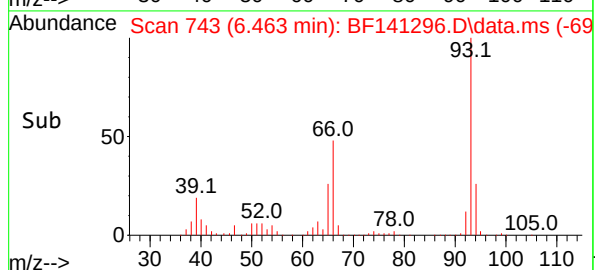
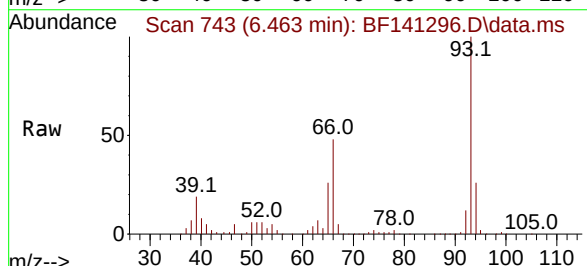
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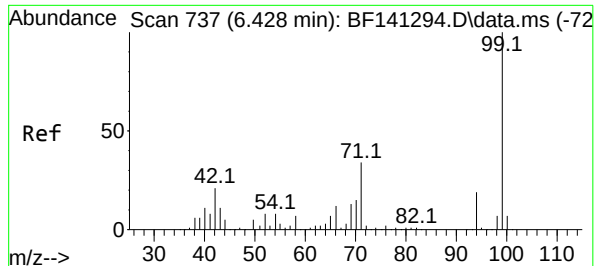
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937
Ion Ratio Lower Upper
93 100
66 48.2 32.5 48.7
65 26.1 17.0 25.6#





#7

Phenol-d6

Concen: 113.542 ng

RT: 6.434 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 121047

Ion Ratio Lower Upper

99 100

42 21.2 17.1 25.7

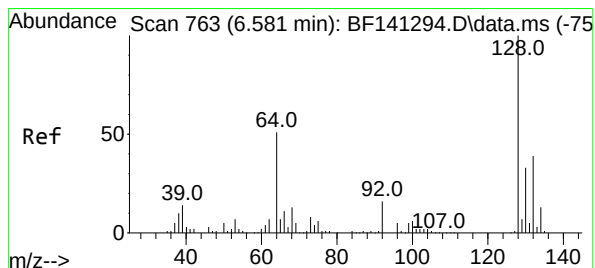
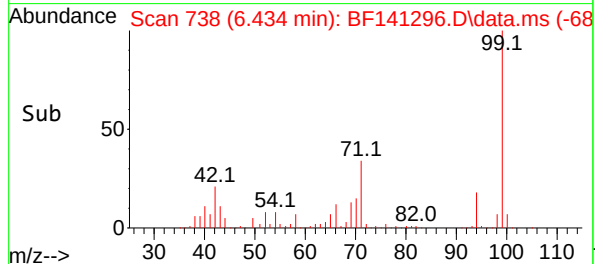
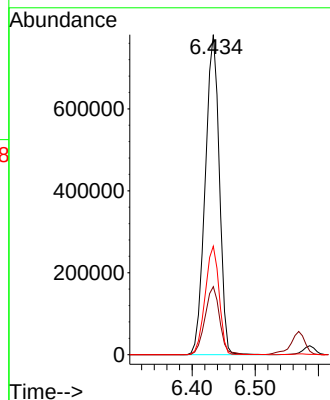
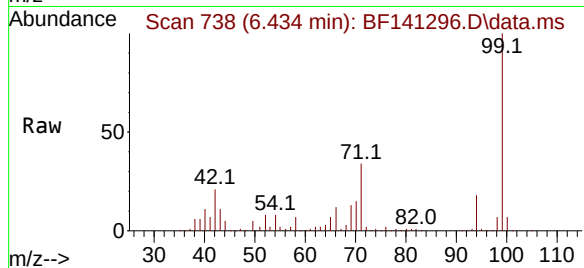
71 33.9 26.9 40.3

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 56.606 ng

RT: 6.587 min Scan# 764

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

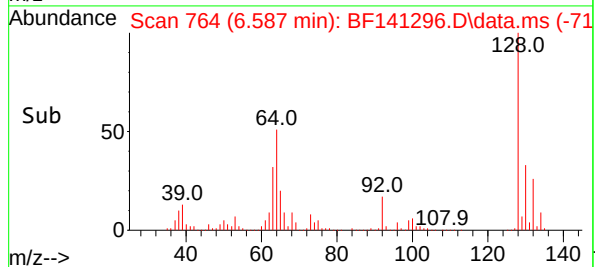
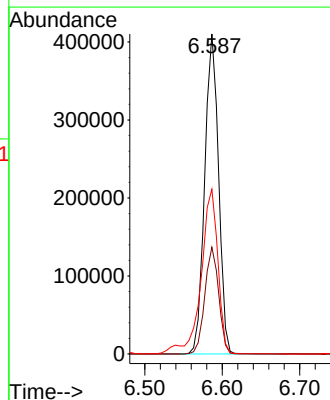
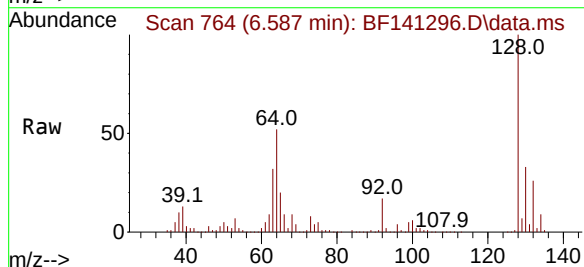
Tgt Ion:128 Resp: 509043

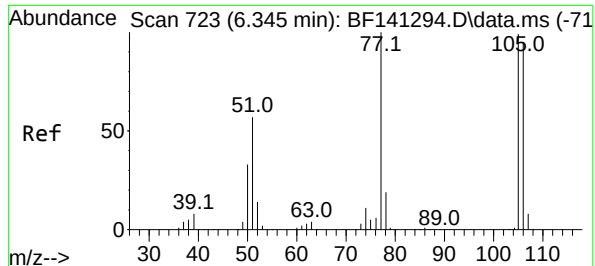
Ion Ratio Lower Upper

128 100

130 33.4 12.5 52.5

64 51.5 32.9 72.9





#9

Benzaldehyde

Concen: 48.677 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 314238

Ion Ratio Lower Upper

77 100

105 101.2 79.4 119.4

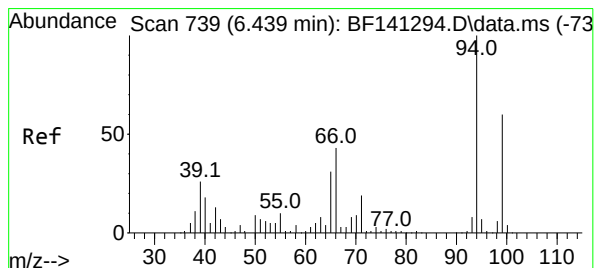
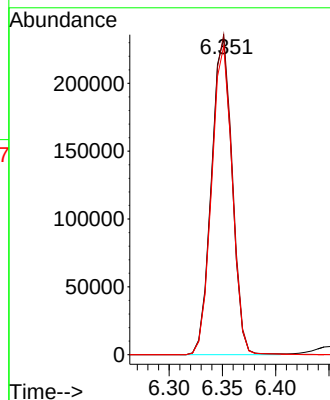
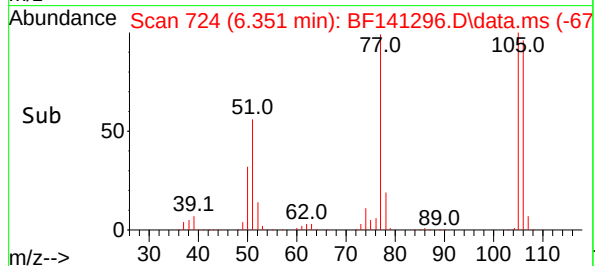
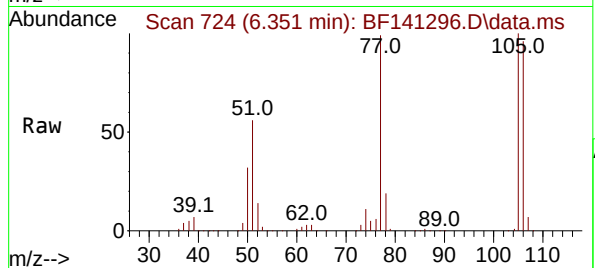
106 97.6 74.6 114.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 56.549 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

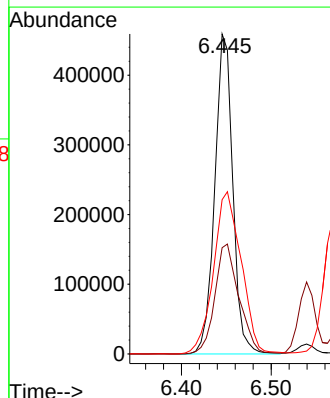
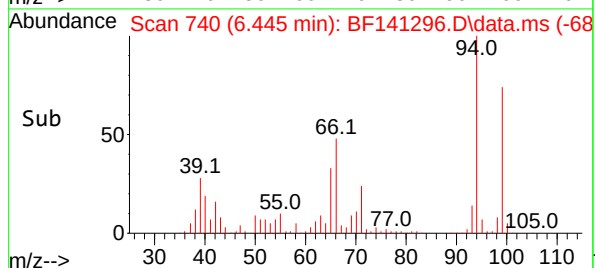
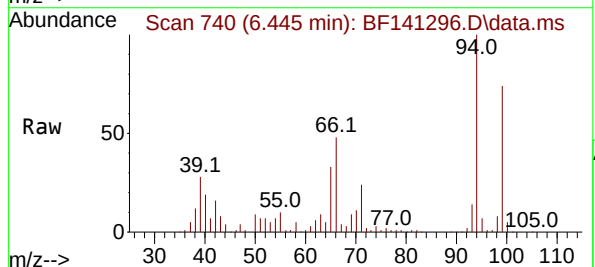
Tgt Ion: 94 Resp: 640034

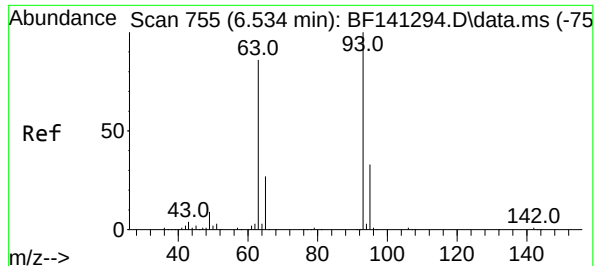
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 48.2 23.3 63.3





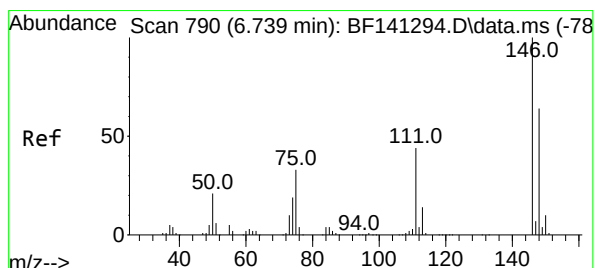
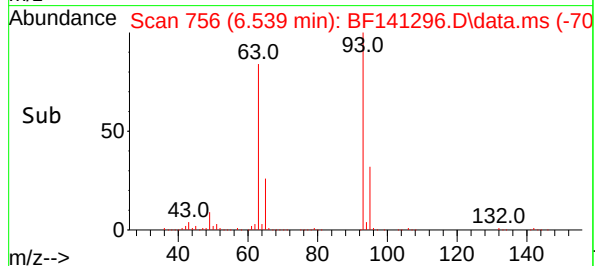
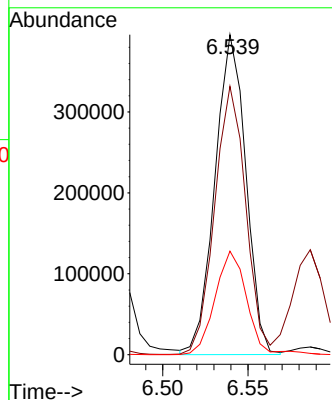
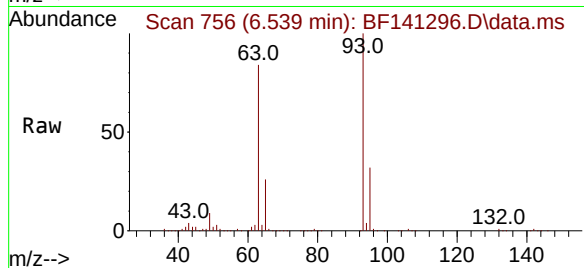
#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 49932
Ion Ratio Lower Upper
93 100
63 83.9 65.0 105.0
95 32.3 12.4 52.4

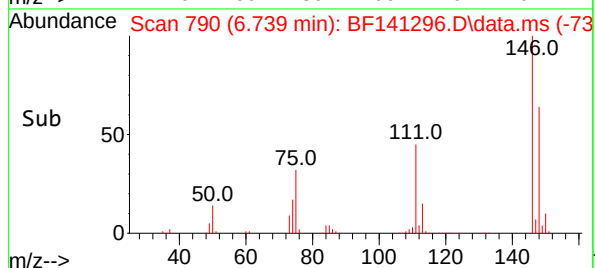
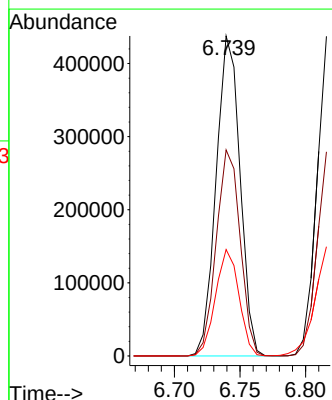
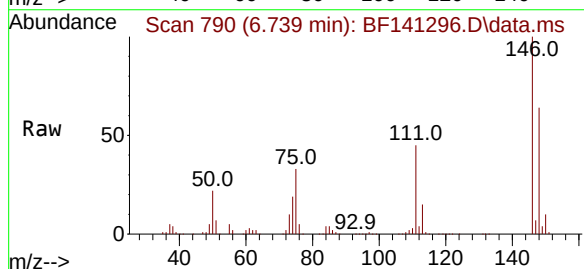
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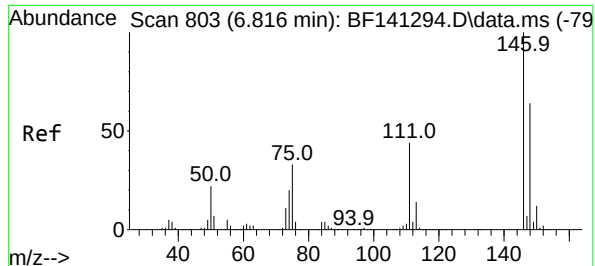
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 33.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 55.945 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 558572

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

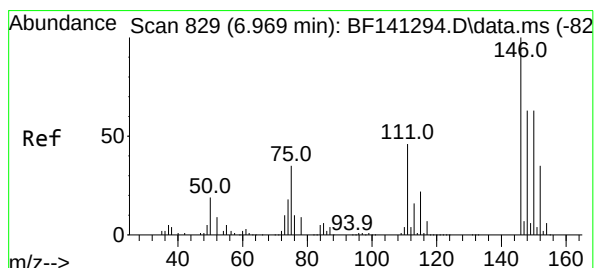
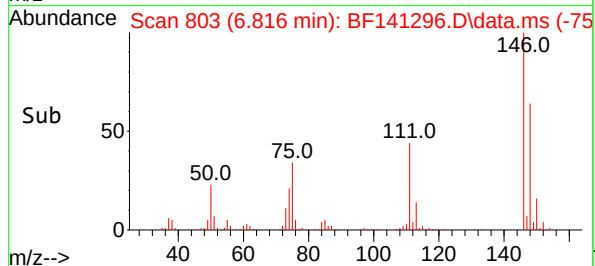
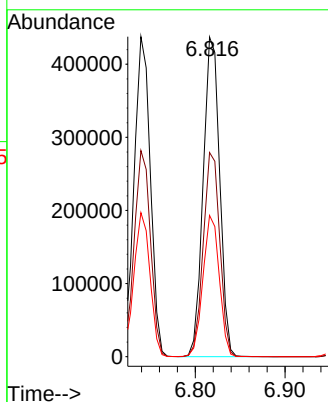
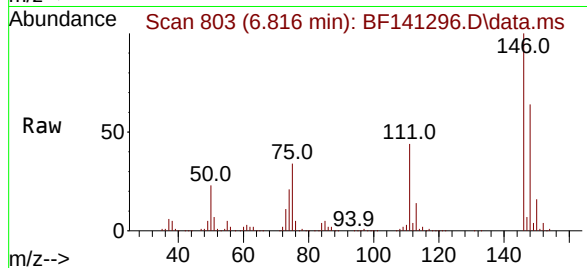
111 44.2 35.0 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 54.417 ng

RT: 6.975 min Scan# 830

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

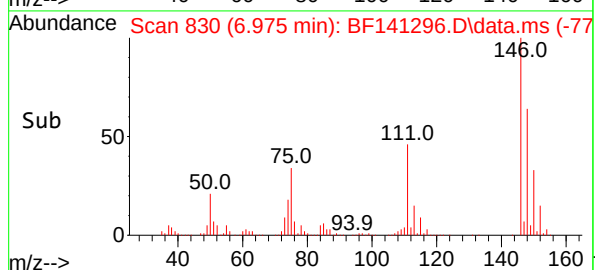
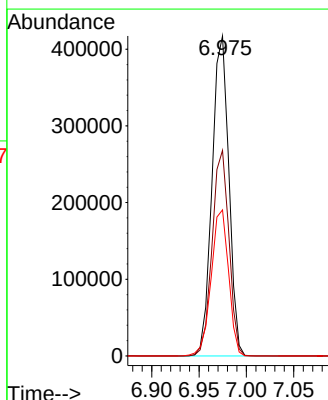
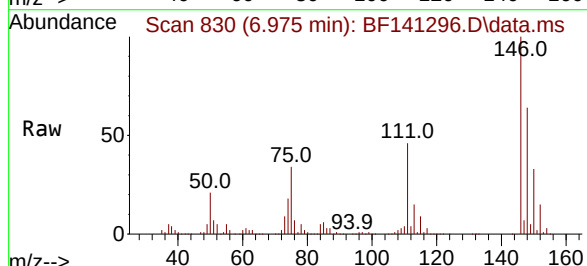
Tgt Ion:146 Resp: 513179

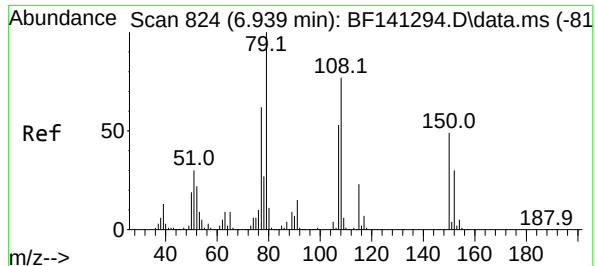
Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

111 45.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 58.473 ng

RT: 6.945 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 42272

Ion Ratio Lower Upper

79 100

108 76.4 61.4 92.0

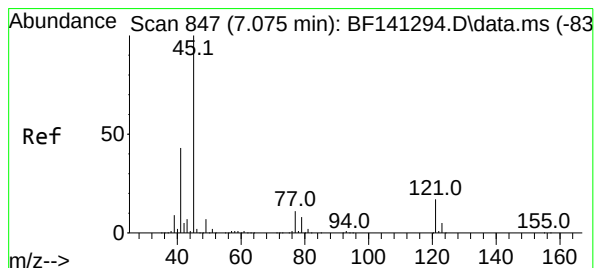
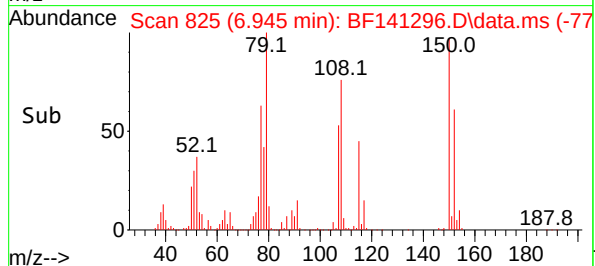
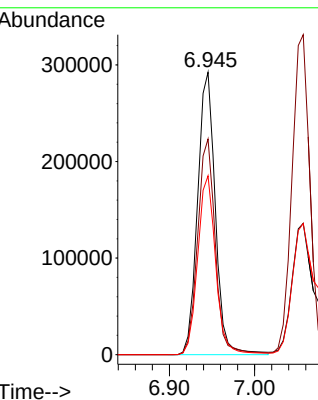
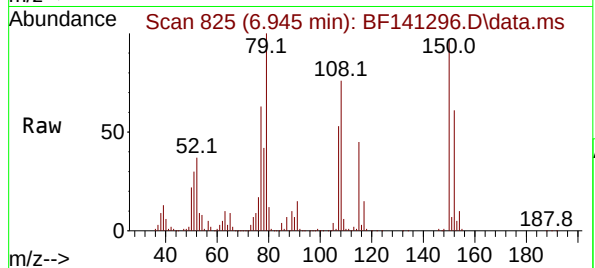
77 63.3 49.9 74.9

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.194 ng

RT: 7.081 min Scan# 848

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

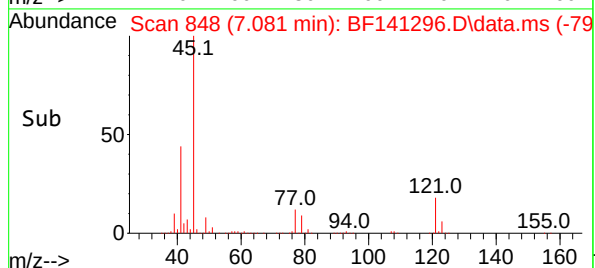
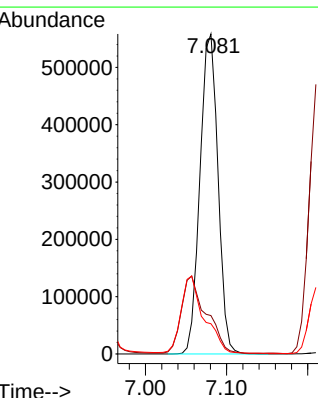
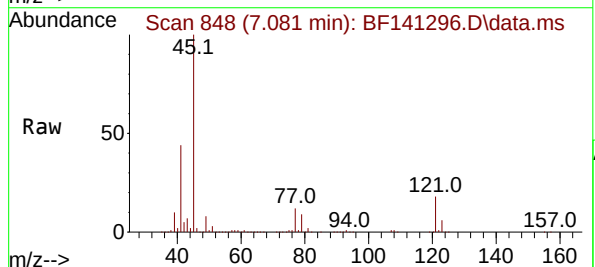
Tgt Ion: 45 Resp: 859130

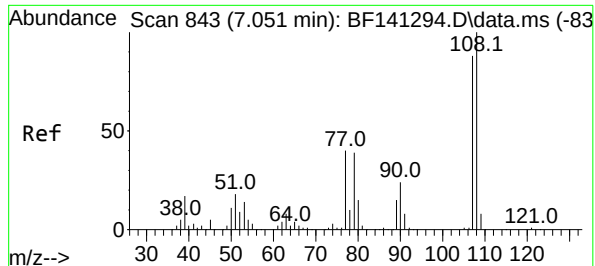
Ion Ratio Lower Upper

45 100

77 12.0 0.0 31.8

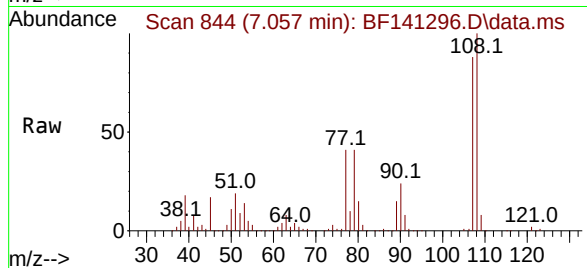
79 9.4 0.0 29.1





#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

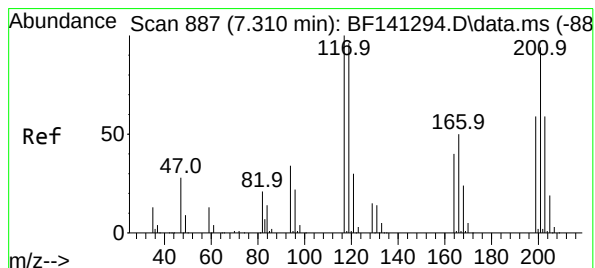
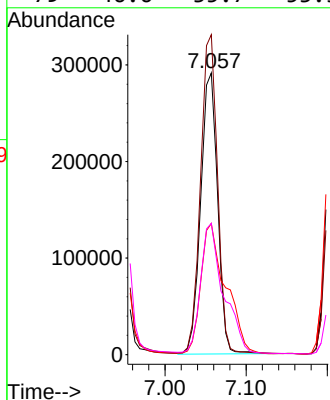
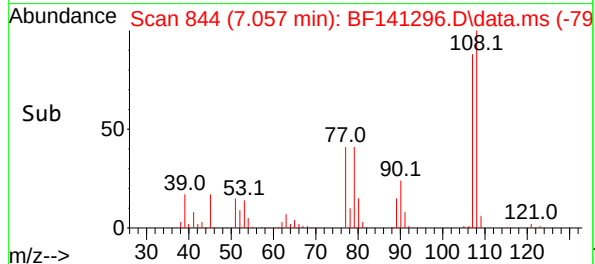
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



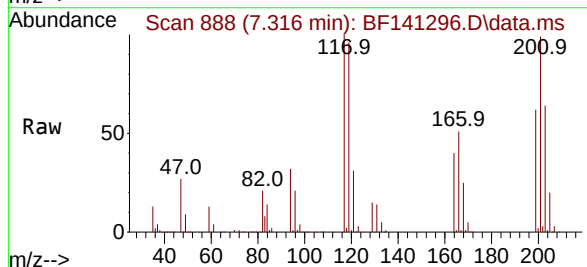
Tgt Ion:107 Resp: 420597
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 46.6 36.2 54.4
79 46.6 35.7 53.5

Manual Integrations
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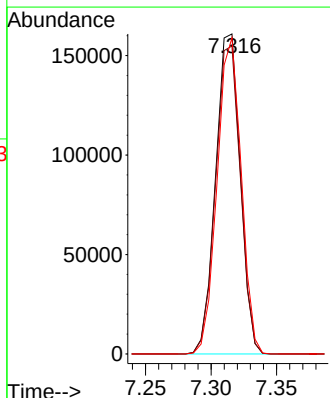
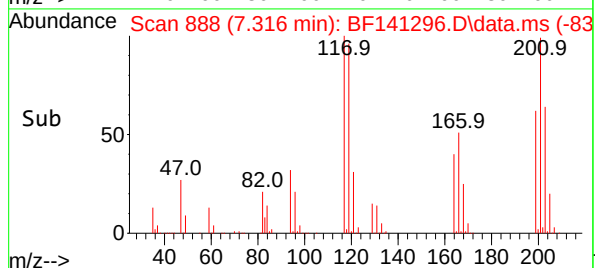
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

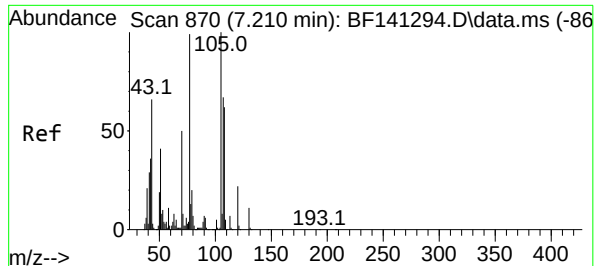


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:117 Resp: 210746
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
201 98.8 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 56.162 ng

RT: 7.222 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

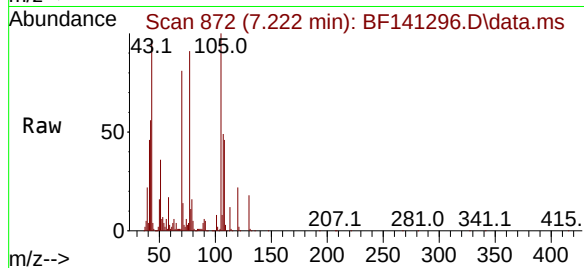
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 355030

Ion Ratio Lower Upper

70 100

42 68.3 56.8 85.2

101 10.0 7.7 11.5

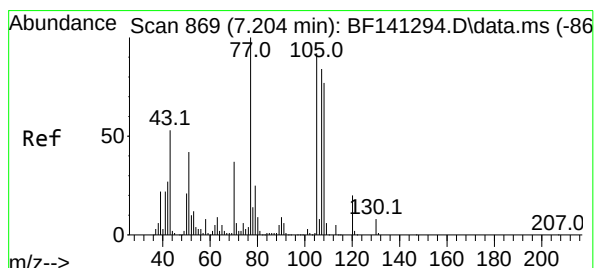
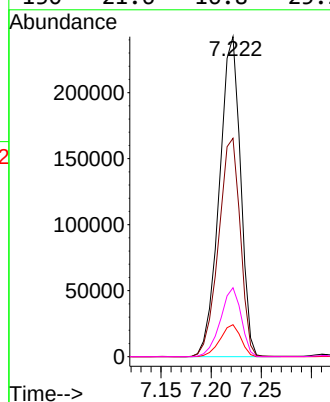
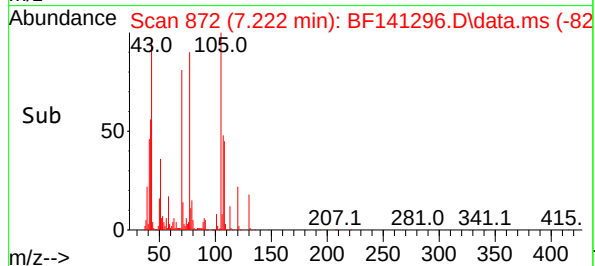
130 21.6 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

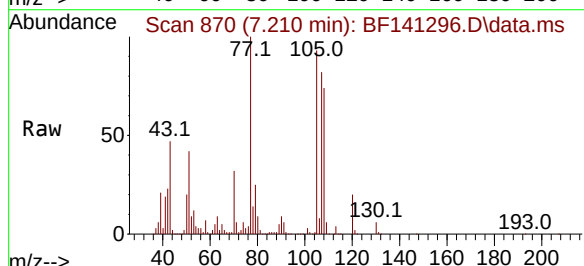
Concen: 54.781 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:107 Resp: 496888

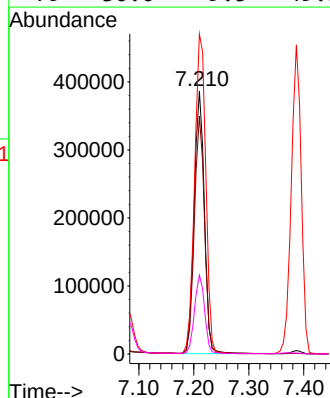
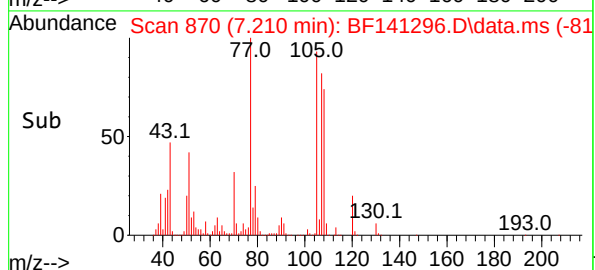
Ion Ratio Lower Upper

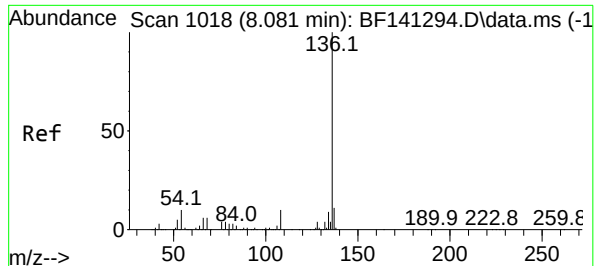
107 100

108 90.4 70.9 110.9

77 121.7 98.5 138.5

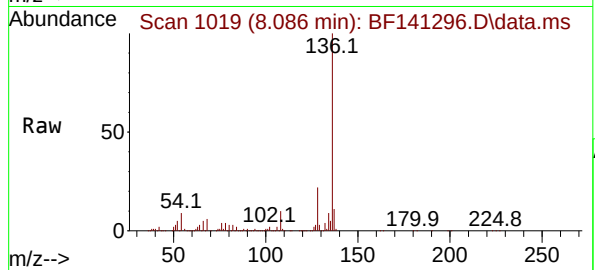
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

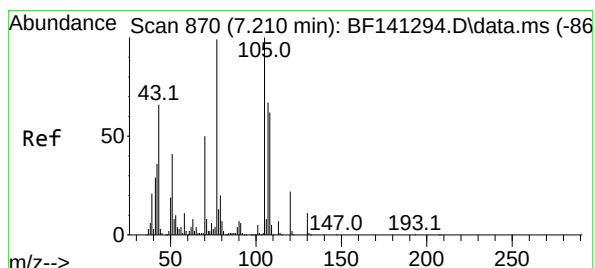
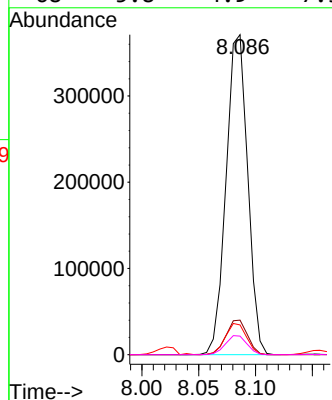
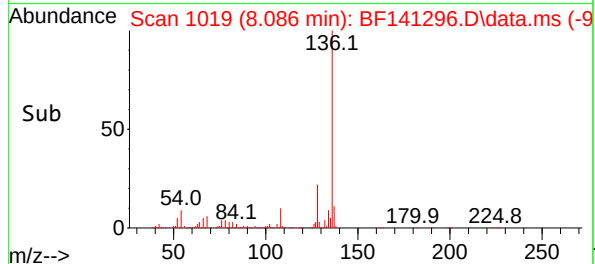
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 490777
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 7.8 11.8
68 5.8 4.9 7.3

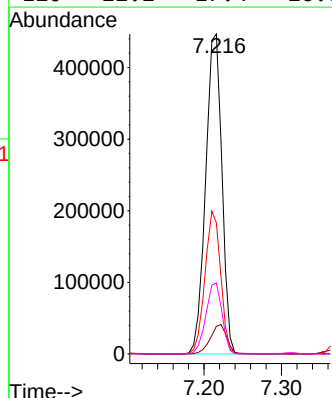
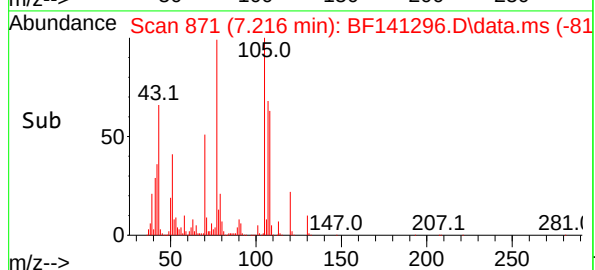
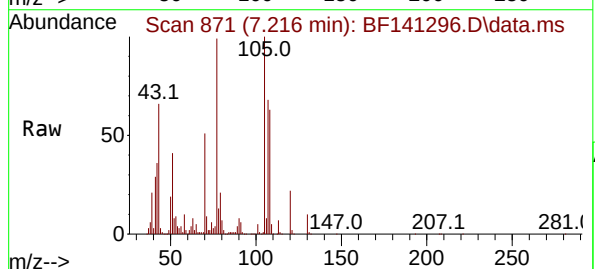
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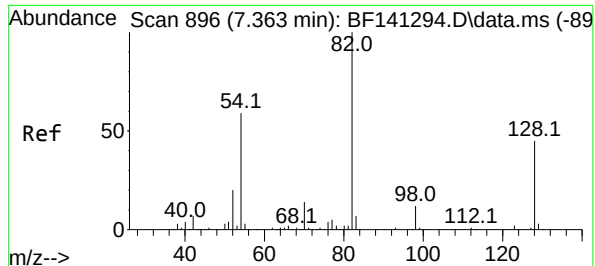
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575
Ion Ratio Lower Upper
105 100
71 8.6 6.8 10.2
51 41.0 32.6 49.0
120 22.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 115.711 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 109819

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

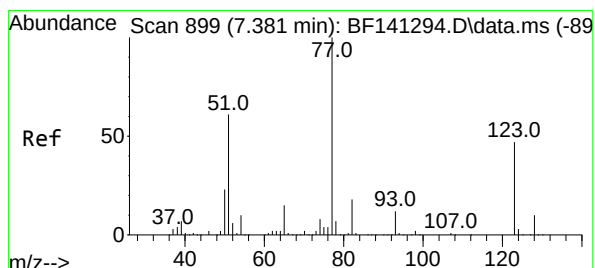
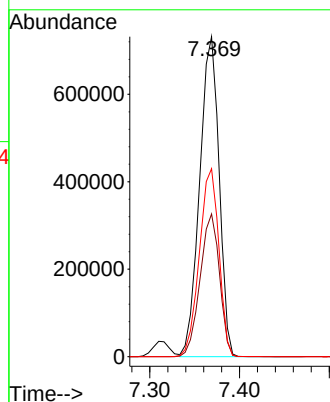
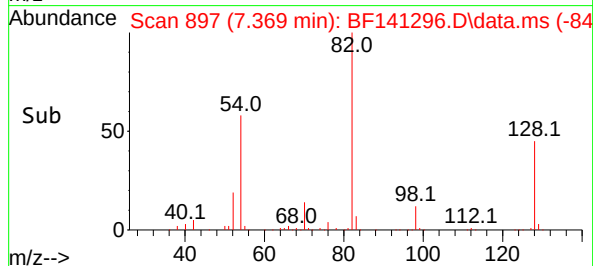
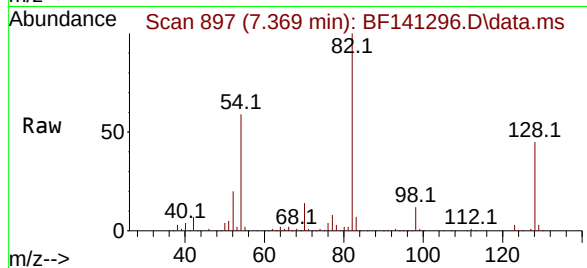
54 58.7 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 58.138 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

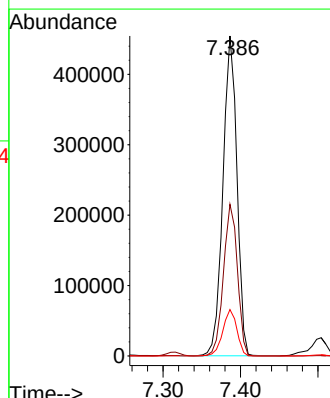
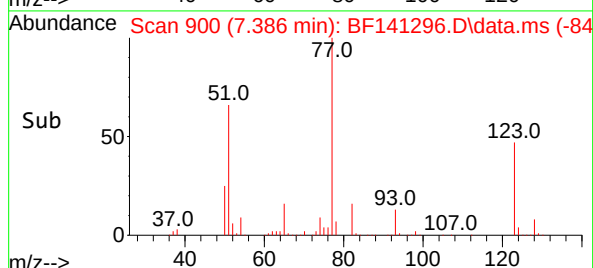
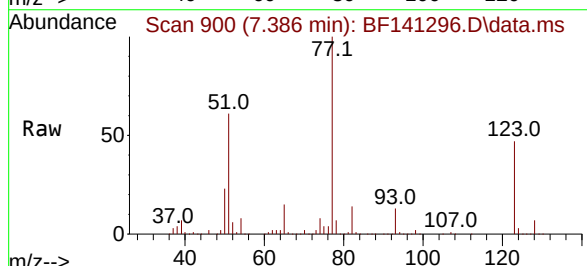
Tgt Ion: 77 Resp: 572234

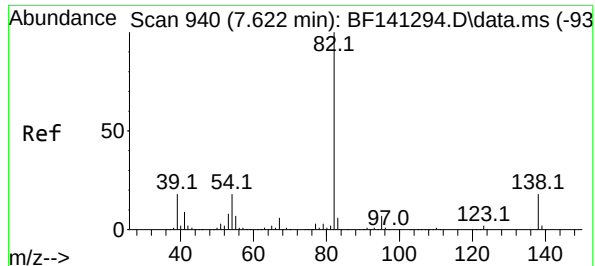
Ion Ratio Lower Upper

77 100

123 47.4 37.3 55.9

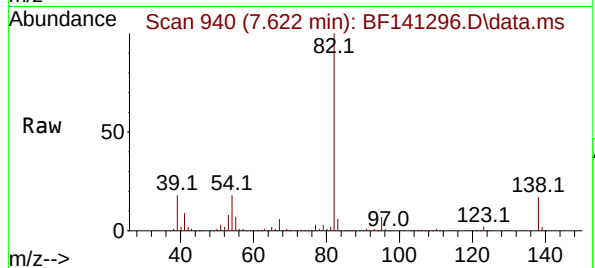
65 14.5 11.8 17.6





#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

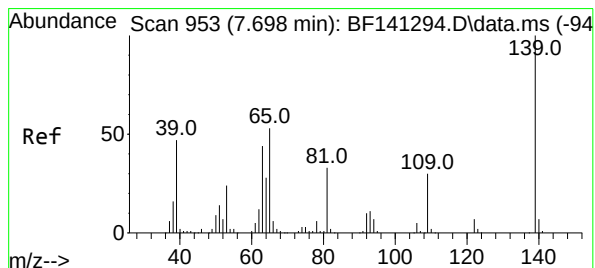
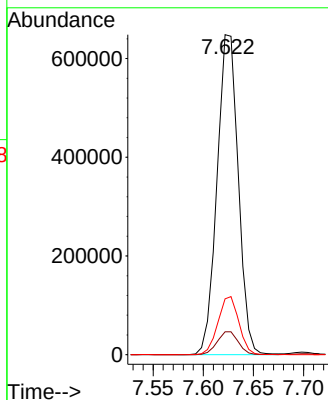
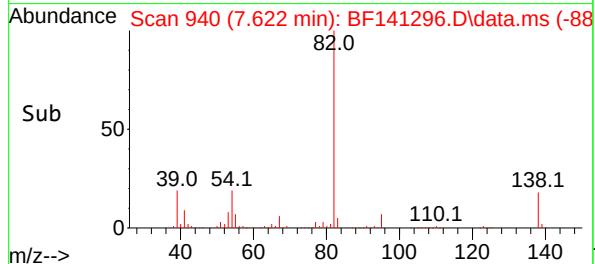
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 95367
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.5 14.7 22.1

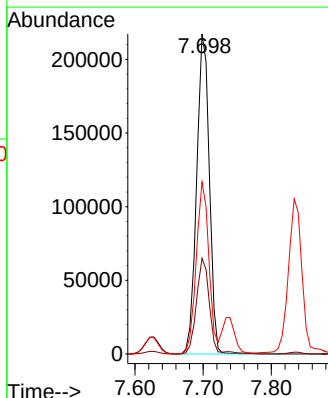
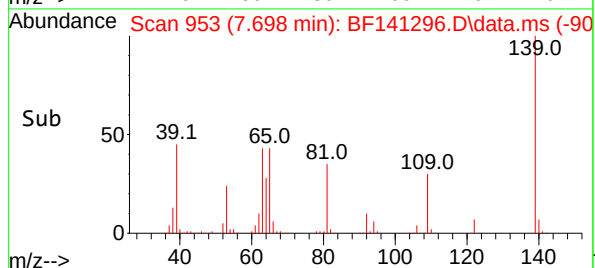
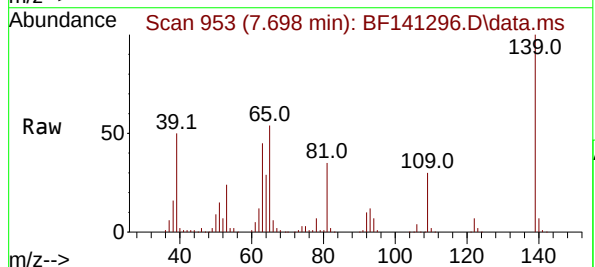
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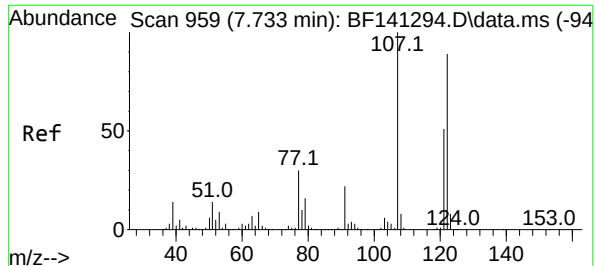
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 280785
Ion Ratio Lower Upper
139 100
109 29.9 23.8 35.6
65 53.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 60.006 ng m

RT: 7.739 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 350784

Ion Ratio Lower Upper

122 100

107 110.7 89.9 134.9

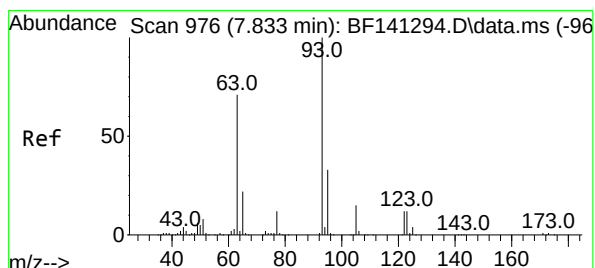
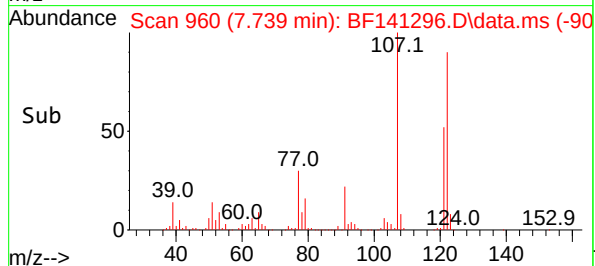
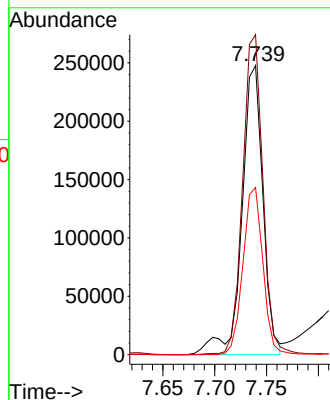
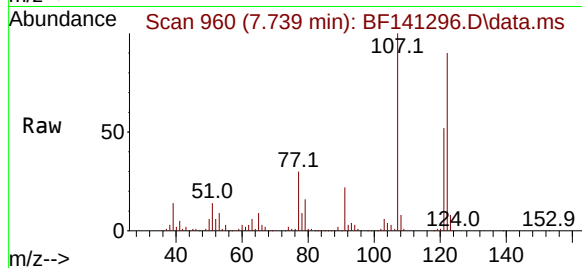
121 57.8 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 57.853 ng

RT: 7.833 min Scan# 976

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

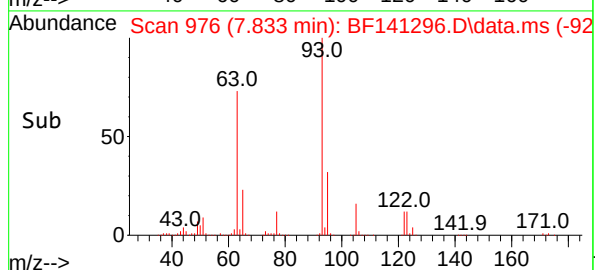
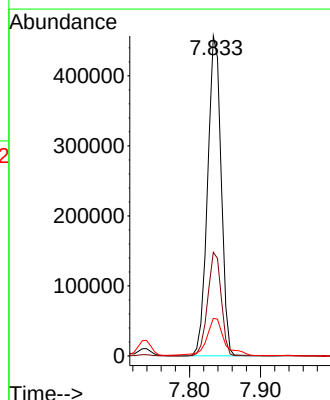
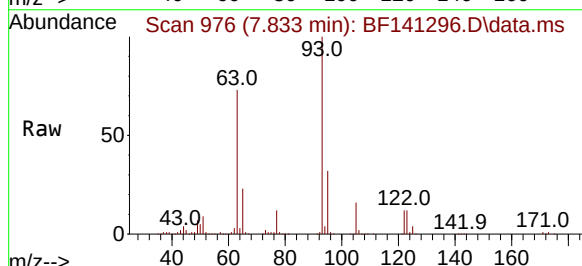
Tgt Ion: 93 Resp: 605644

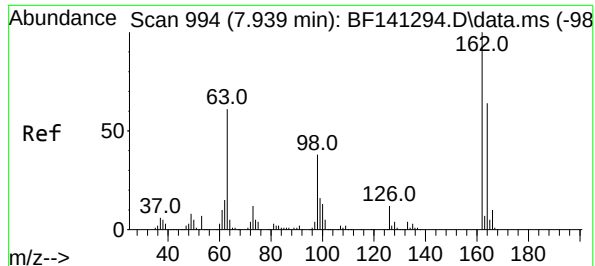
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 58.315 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 421748

Ion Ratio Lower Upper

162 100

164 63.0 44.2 84.2

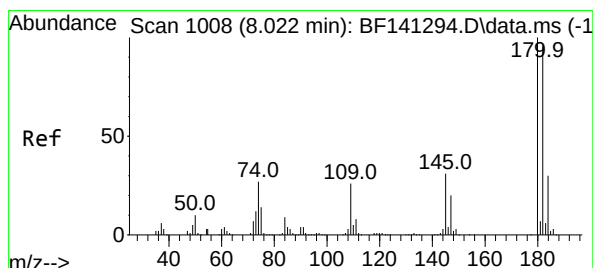
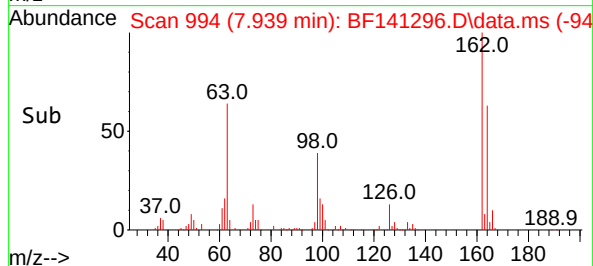
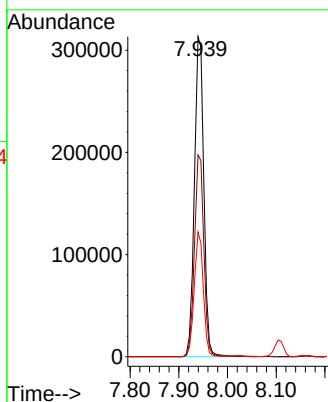
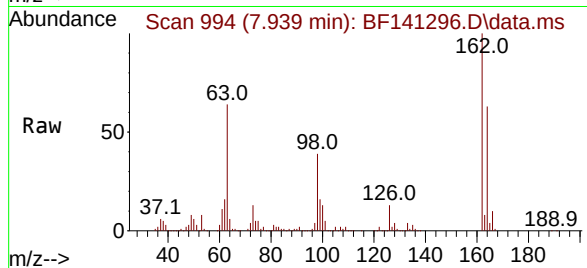
98 38.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 55.787 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

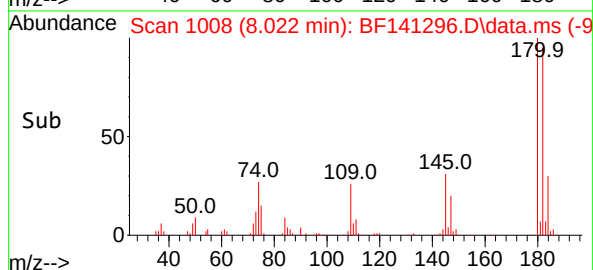
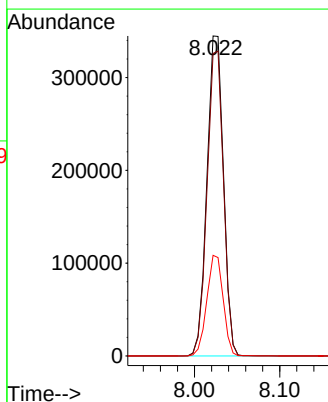
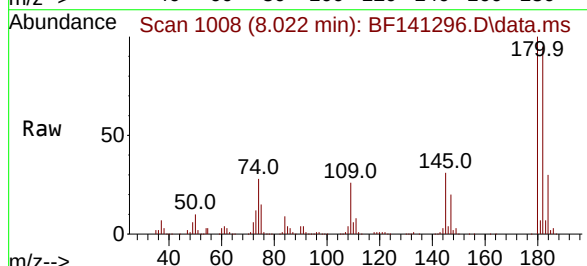
Tgt Ion:180 Resp: 465841

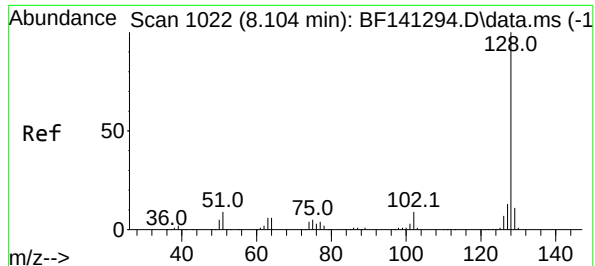
Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

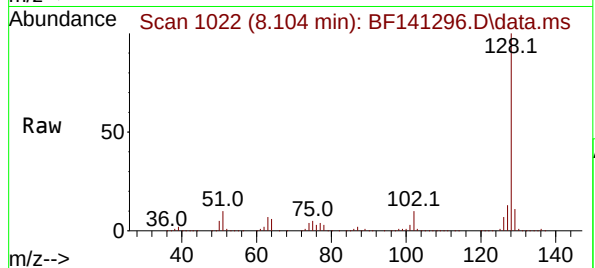
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

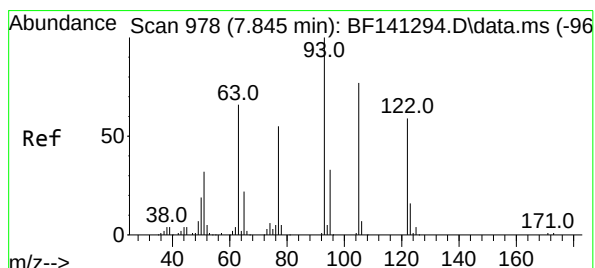
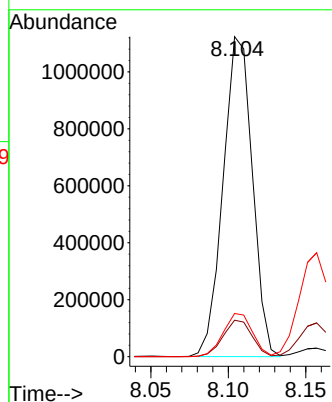
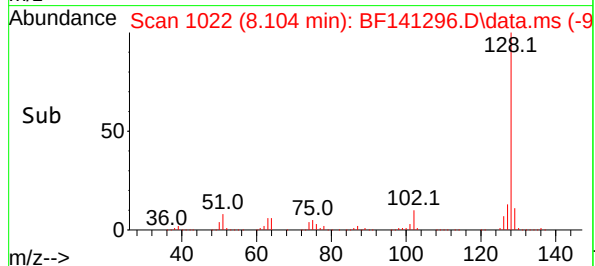
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1475900
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.5 10.6 15.8

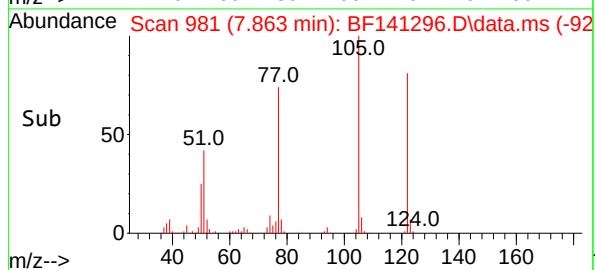
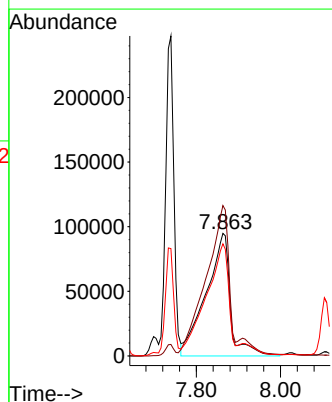
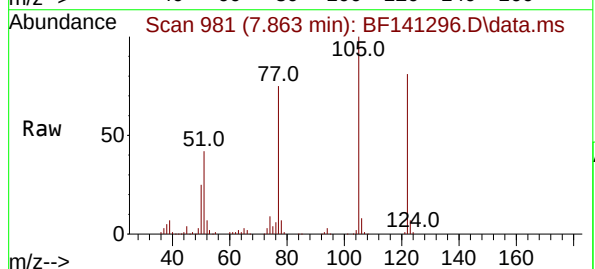
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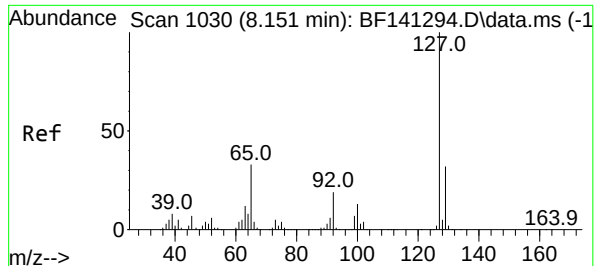
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664
Ion Ratio Lower Upper
122 100
105 122.7 103.4 143.4
77 91.6 70.9 110.9





#33

4-Chloroaniline

Concen: 56.786 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 513149

Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 31.7 26.4 39.6

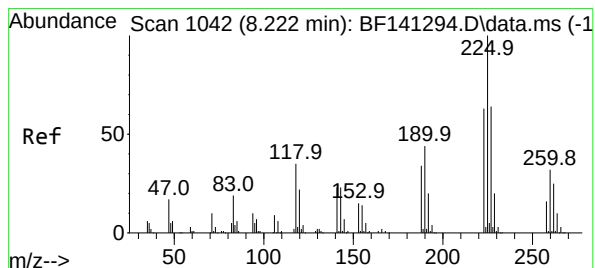
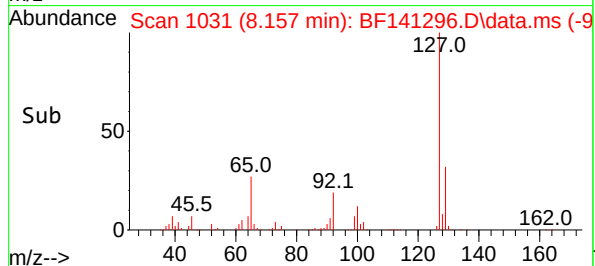
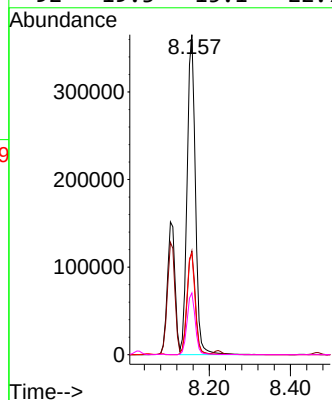
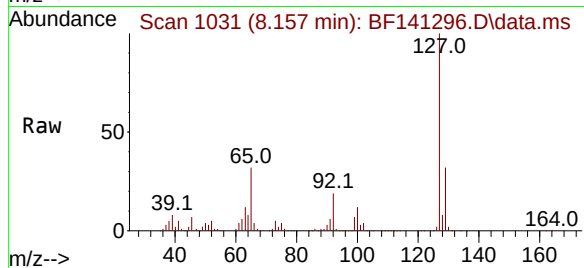
92 19.3 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 56.533 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

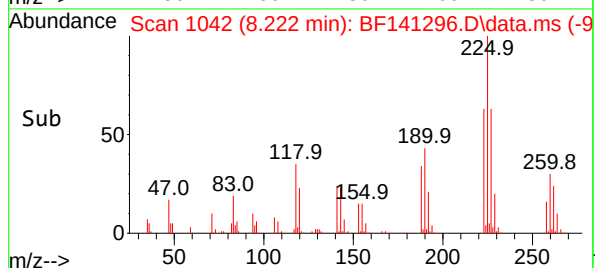
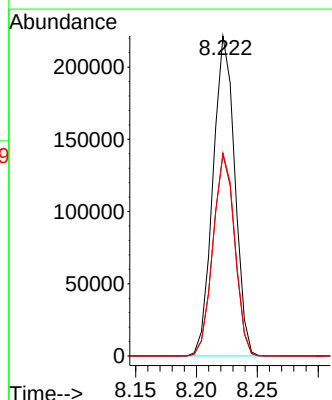
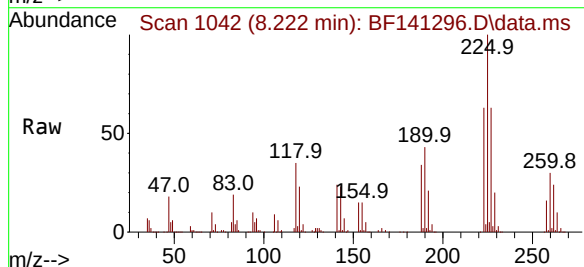
Tgt Ion:225 Resp: 275524

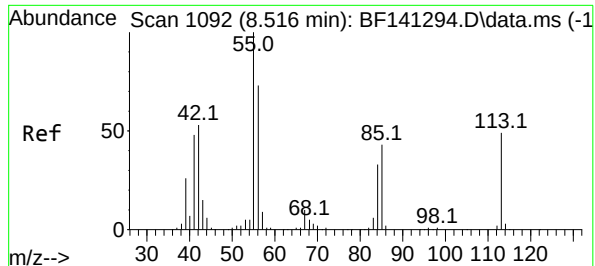
Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

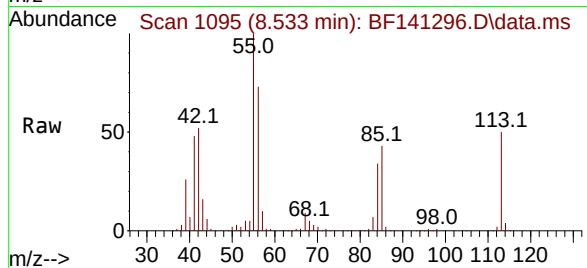
227 63.4 51.3 76.9





#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1095
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

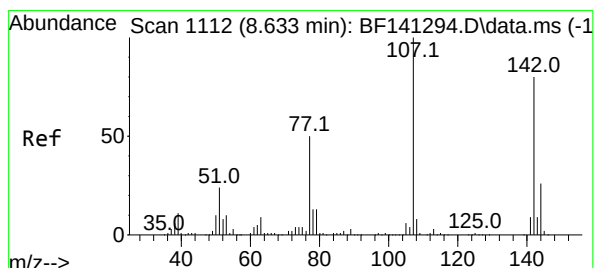
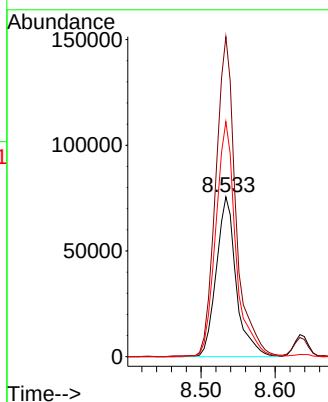
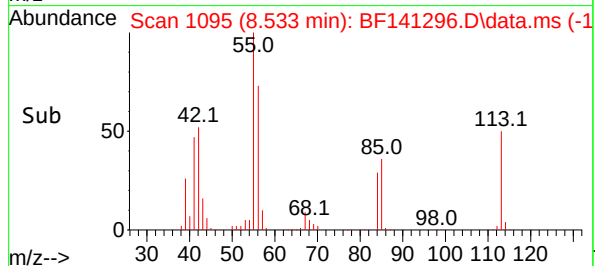
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 14102
Ion Ratio Lower Upper
113 100
55 200.2 182.9 222.9
56 147.0 127.9 167.9

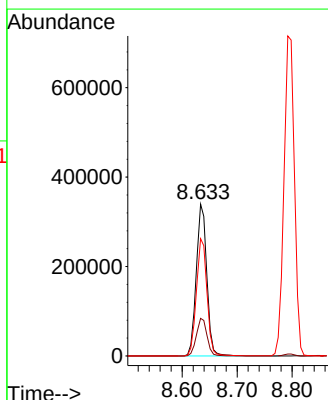
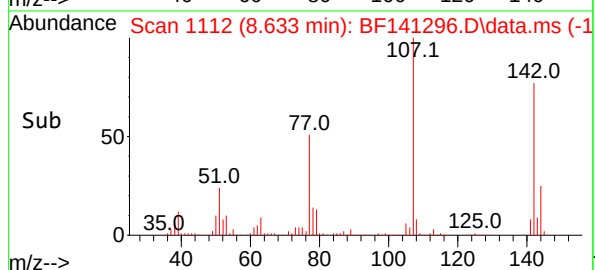
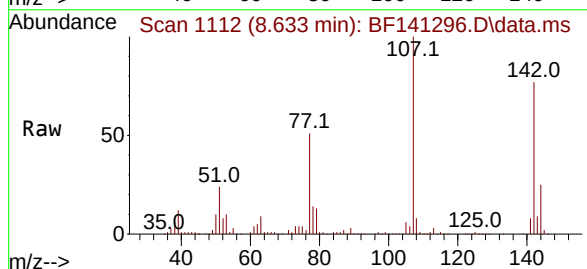
Manual Integrations
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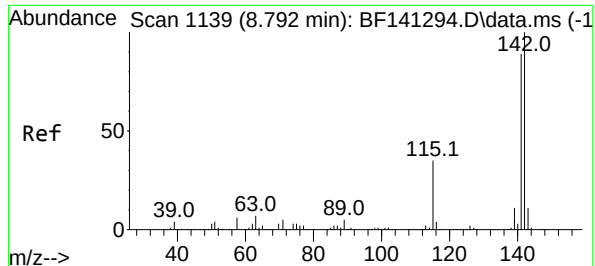
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

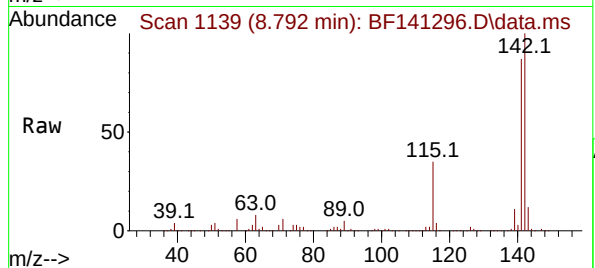
Tgt Ion:107 Resp: 452438
Ion Ratio Lower Upper
107 100
144 24.8 20.7 31.1
142 77.2 63.8 95.8





#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

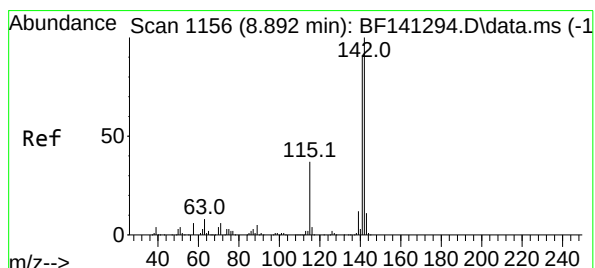
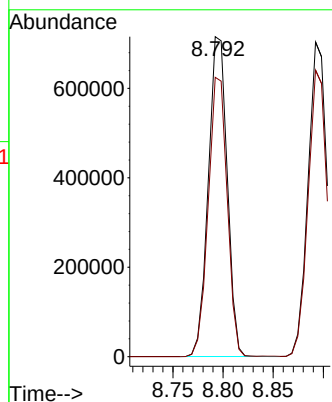
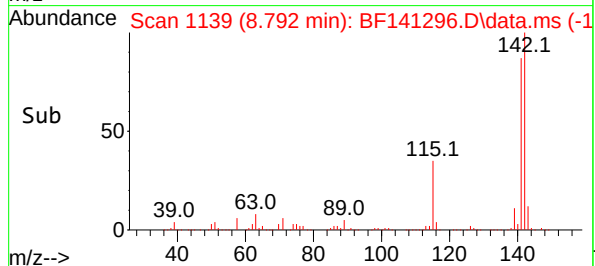
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 94115
Ion Ratio Lower Upper
142 100
141 87.3 71.3 106.9

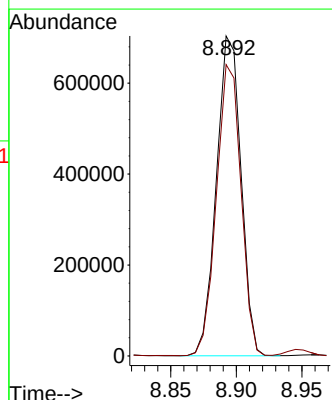
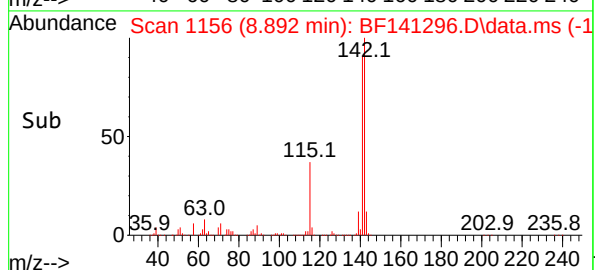
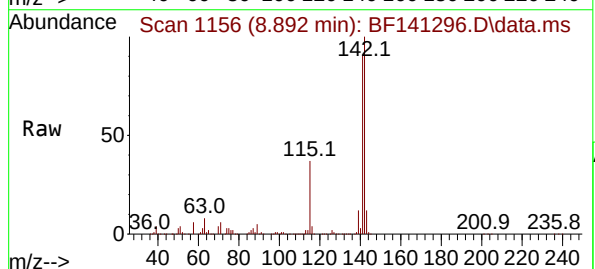
Manual Integrations
APPROVED

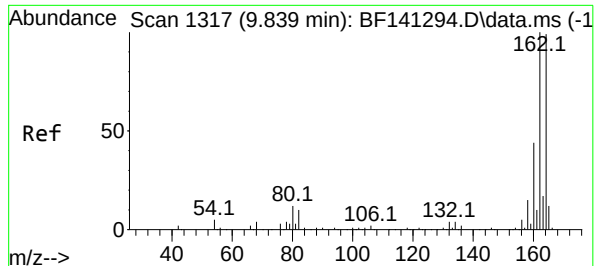
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF141296.D

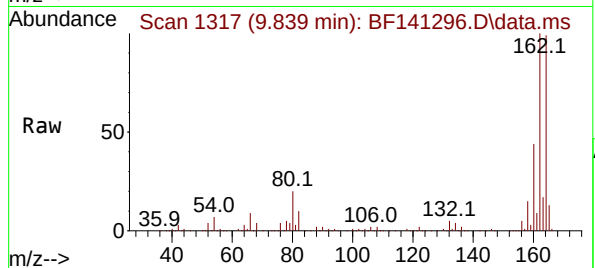
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 260269

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

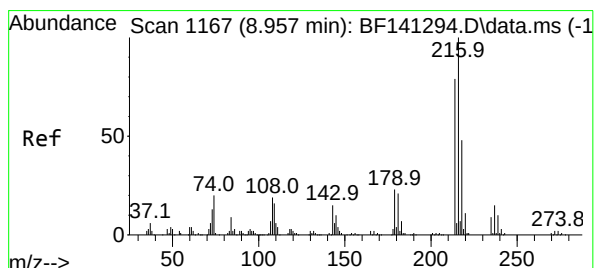
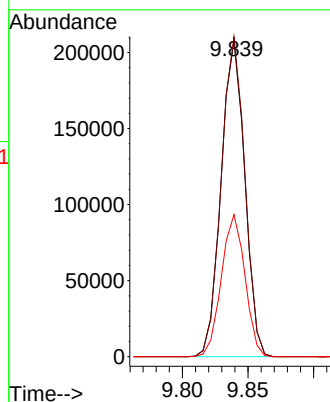
160 45.0 35.8 53.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 56.609 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Tgt Ion:216 Resp: 430239

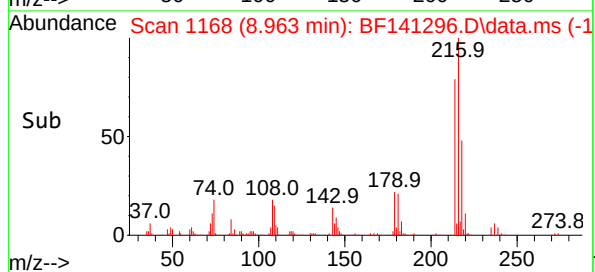
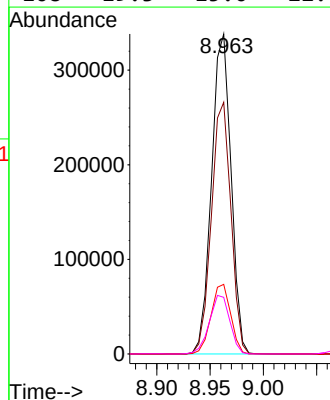
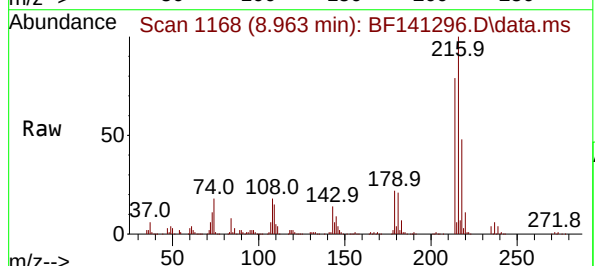
Ion Ratio Lower Upper

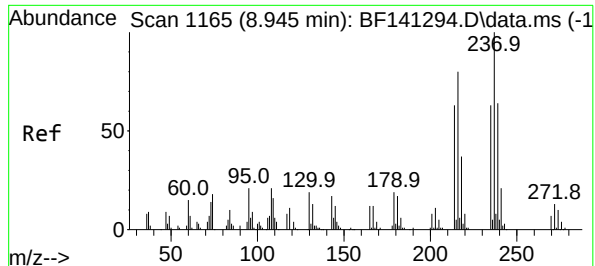
216 100

214 78.9 63.2 94.8

179 22.0 17.8 26.8

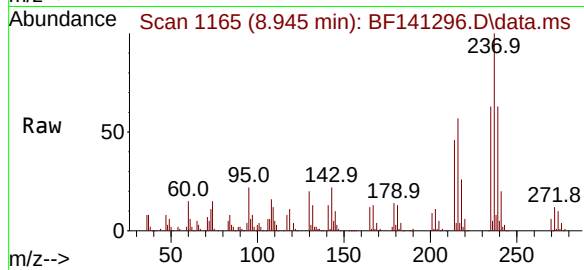
108 19.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

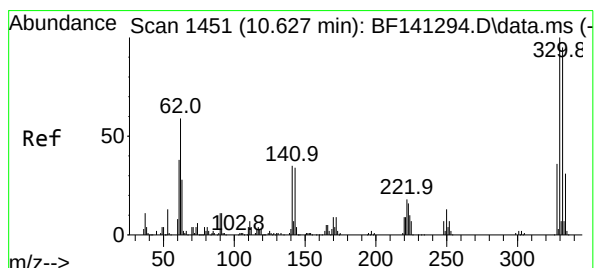
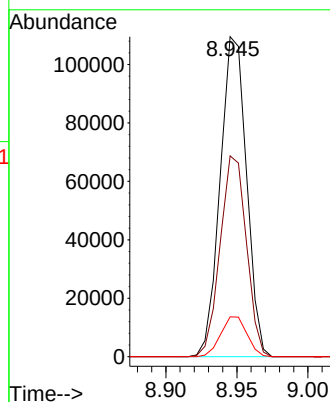
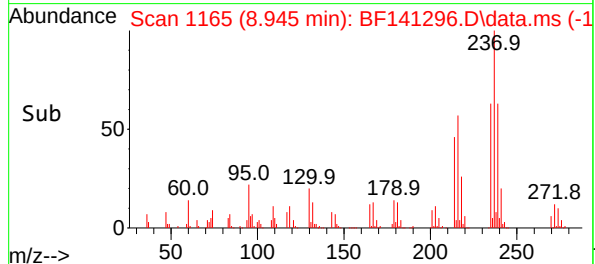
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



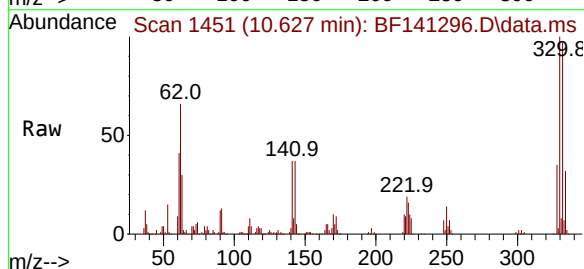
Tgt Ion: 237 Resp: 14138
Ion Ratio Lower Upper
237 100
235 62.8 42.9 82.9
272 12.5 0.0 32.8

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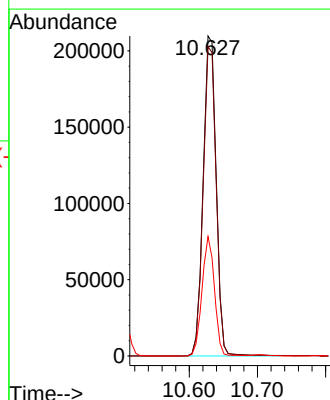
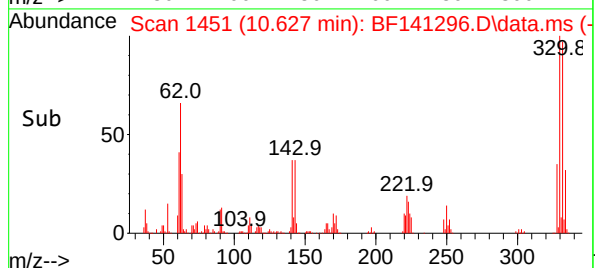
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

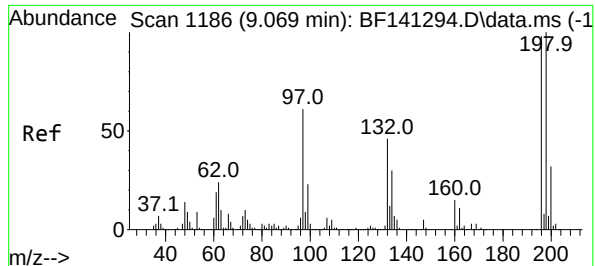


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion: 330 Resp: 279105
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.8 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 58.588 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.006 min

Lab File: BF141296.D

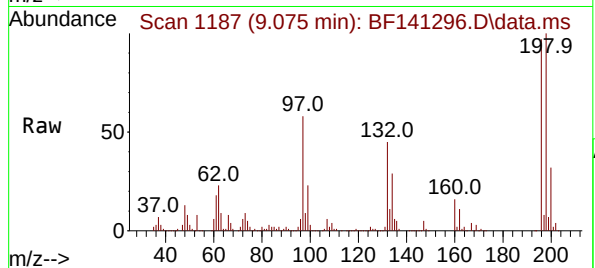
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 288290

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

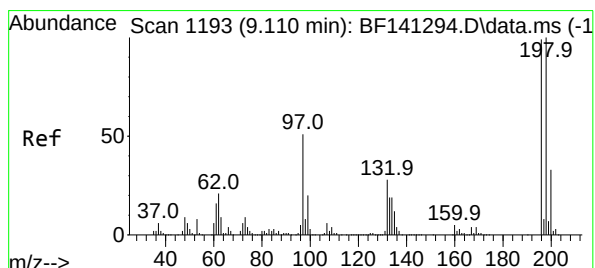
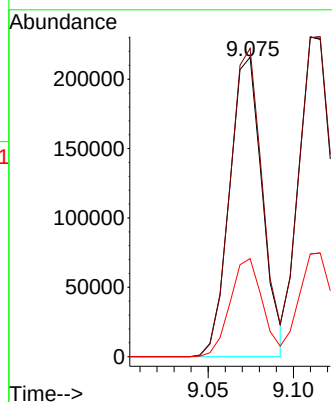
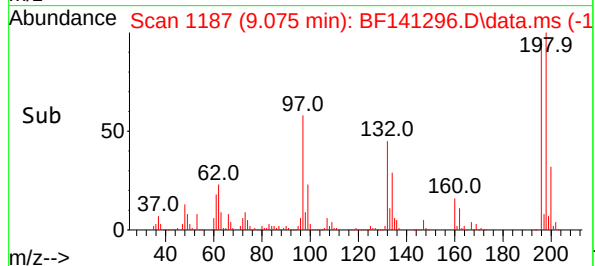
200 32.7 26.3 39.5

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

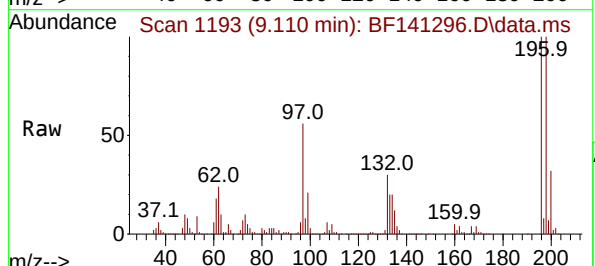
Concen: 59.000 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:196 Resp: 314912

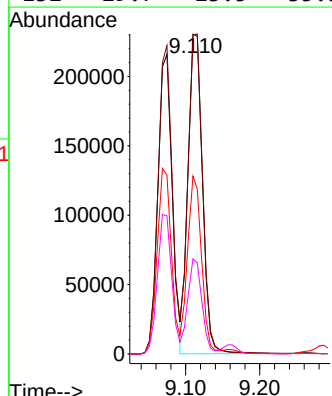
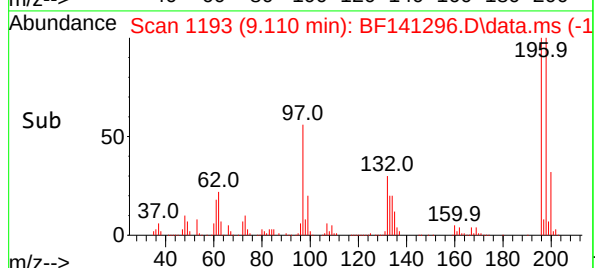
Ion Ratio Lower Upper

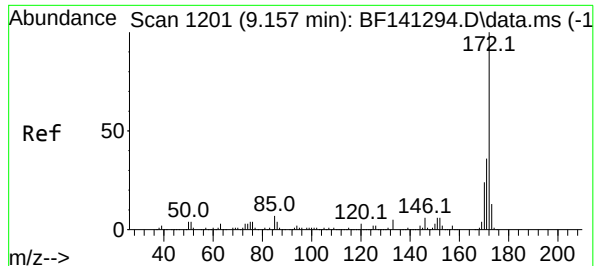
196 100

198 99.7 80.5 120.7

97 55.7 42.8 64.2

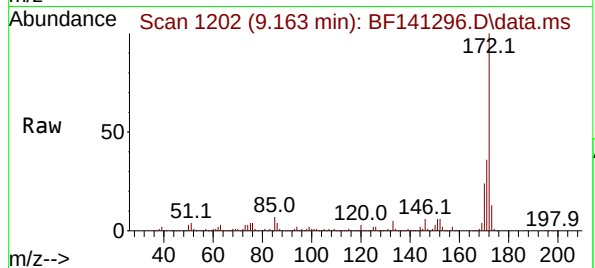
132 29.7 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

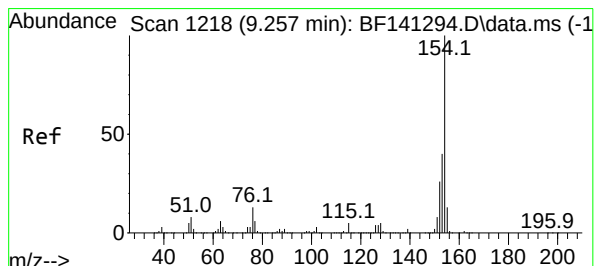
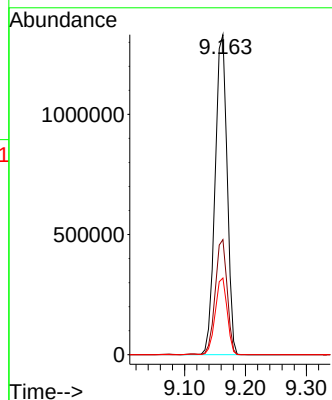
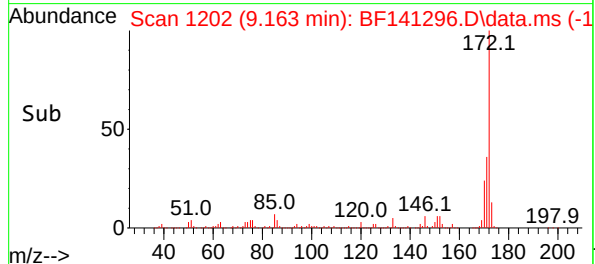
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 1824372
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.0 19.0 28.6

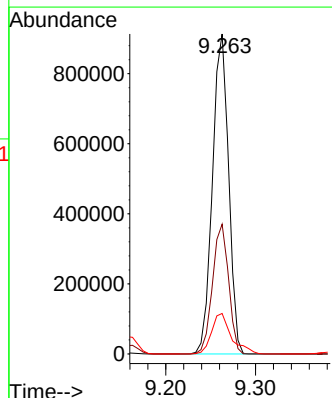
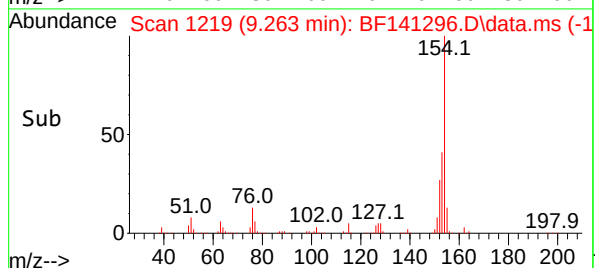
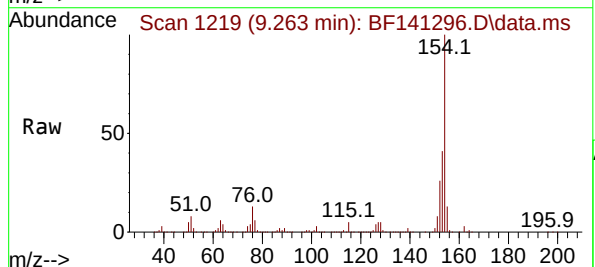
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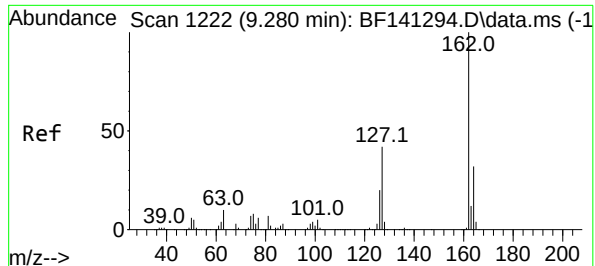
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946
Ion Ratio Lower Upper
154 100
153 40.6 20.0 60.0
76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 55.247 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 90256

Ion Ratio Lower Upper

162 100

127 41.8 33.7 50.5

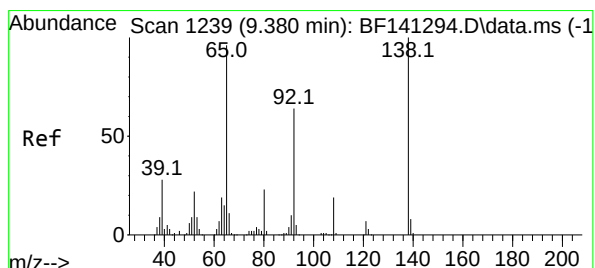
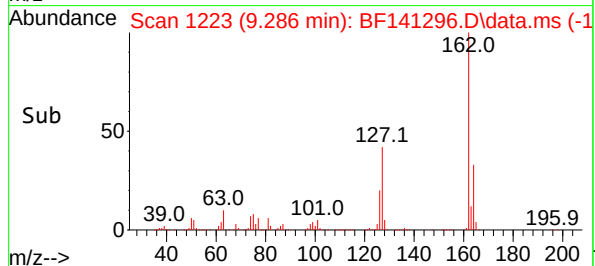
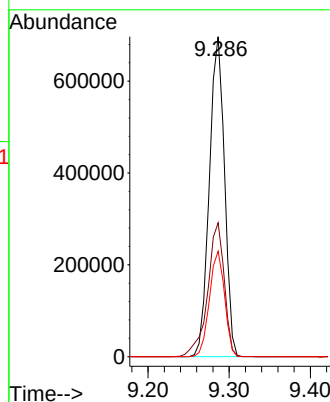
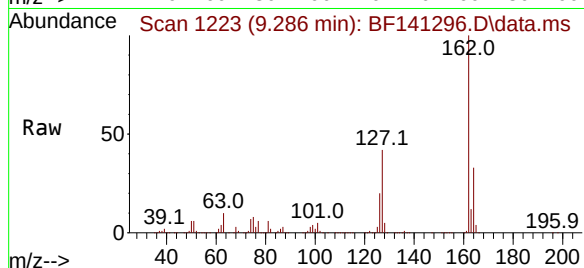
164 33.0 25.9 38.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 59.861 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

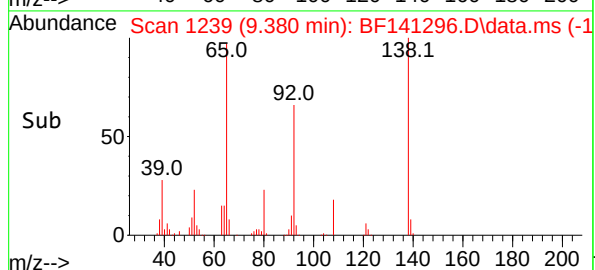
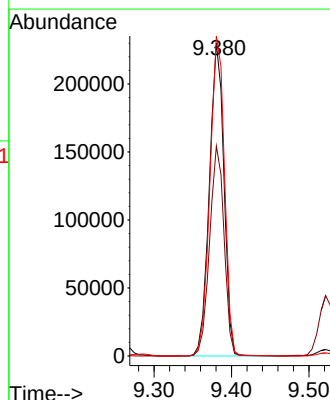
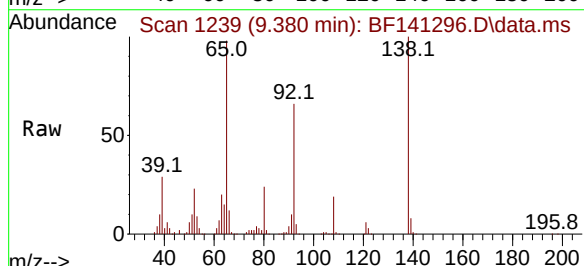
Tgt Ion: 65 Resp: 300339

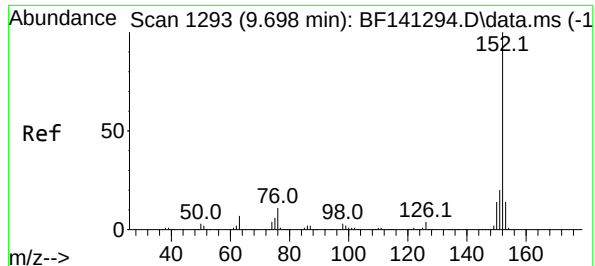
Ion Ratio Lower Upper

65 100

92 67.1 53.3 79.9

138 102.3 83.6 125.4





#49

Acenaphthylene

Concen: 54.924 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.000 min

Lab File: BF141296.D

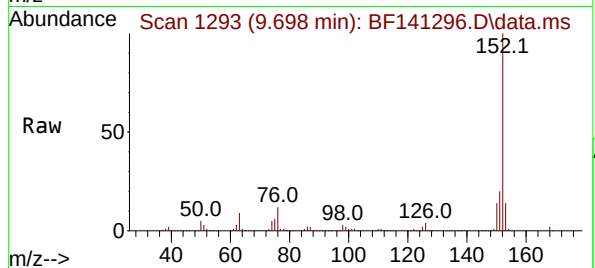
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 125873

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

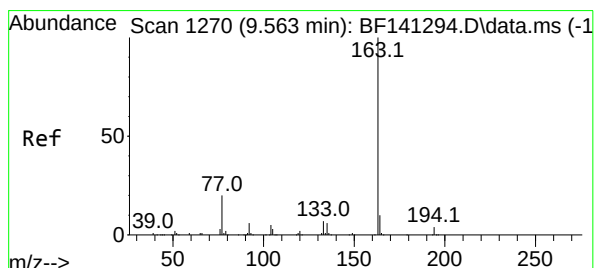
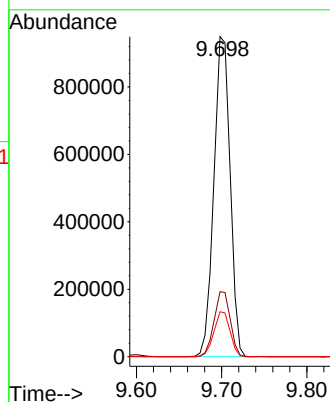
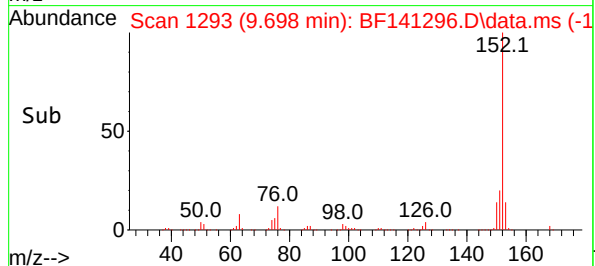
153 14.1 11.0 16.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

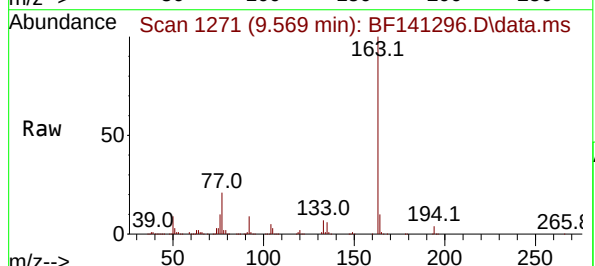
Concen: 56.075 ng

RT: 9.569 min Scan# 1271

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



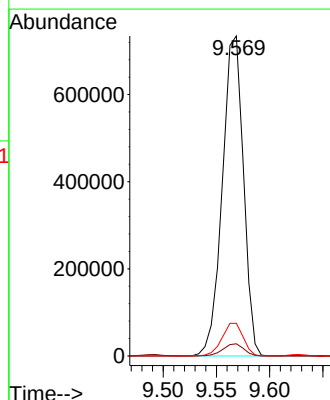
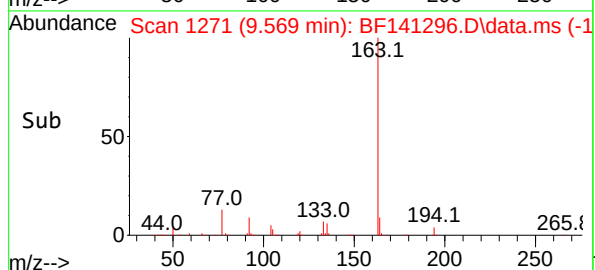
Tgt Ion:163 Resp: 1012298

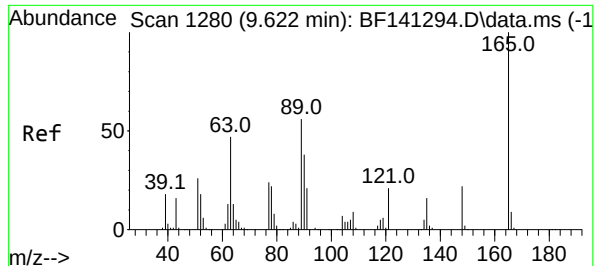
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

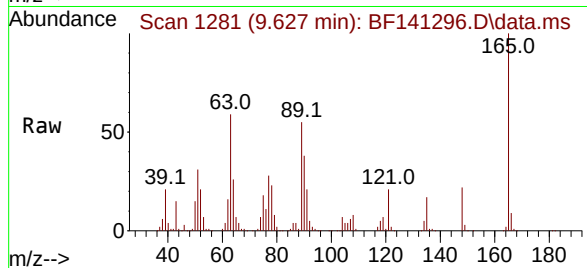
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

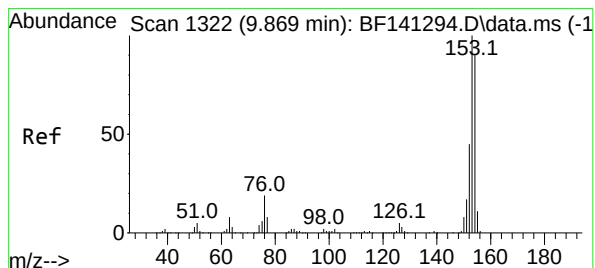
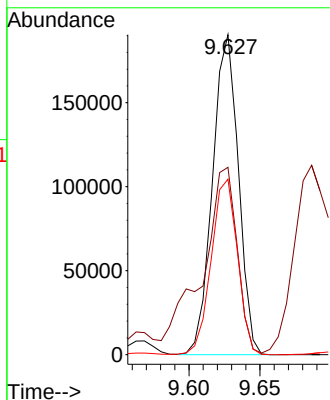
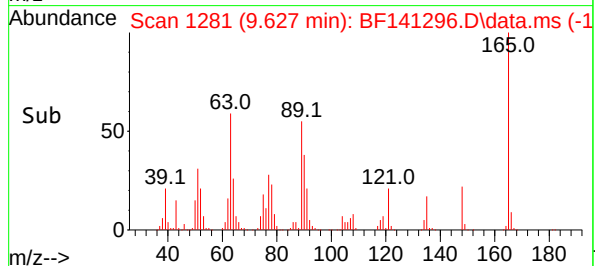
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 24124
Ion Ratio Lower Upper
165 100
63 58.5 48.1 72.1
89 54.8 44.9 67.3

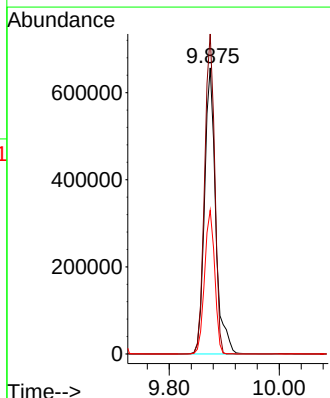
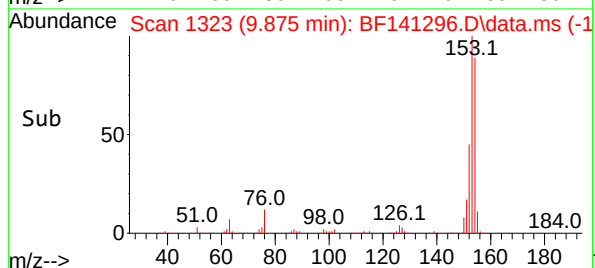
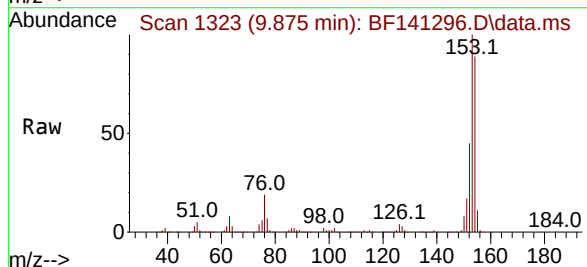
Manual Integrations
APPROVED

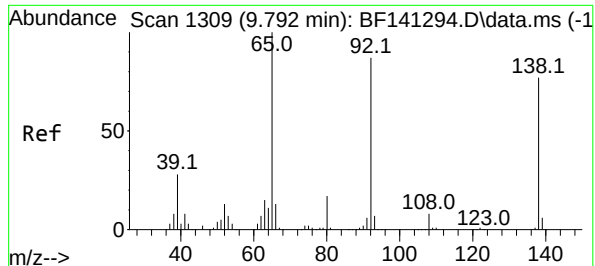
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

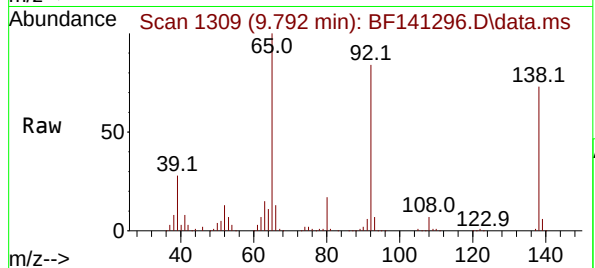
Tgt Ion:154 Resp: 921519
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.2 40.2 60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

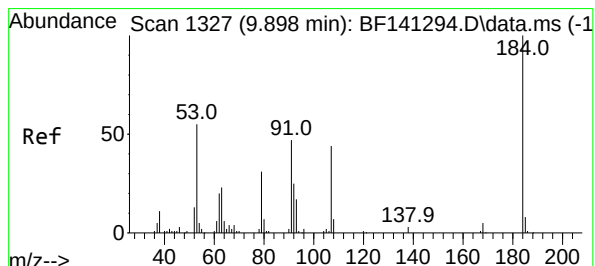
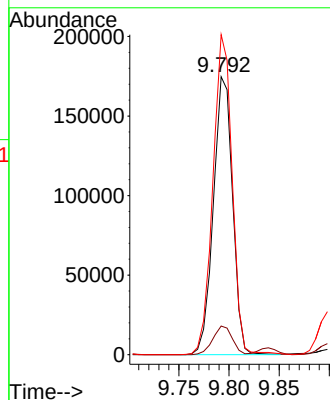
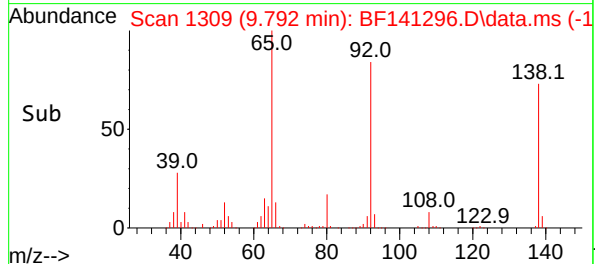
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 232680
Ion Ratio Lower Upper
138 100
108 10.3 8.6 12.8
92 115.2 91.0 136.6

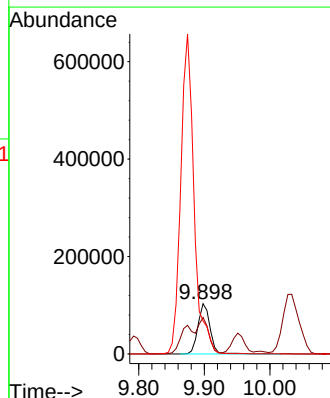
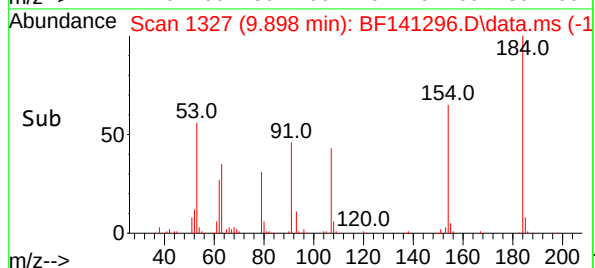
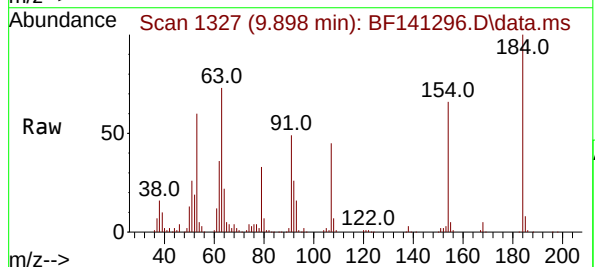
Manual Integrations
APPROVED

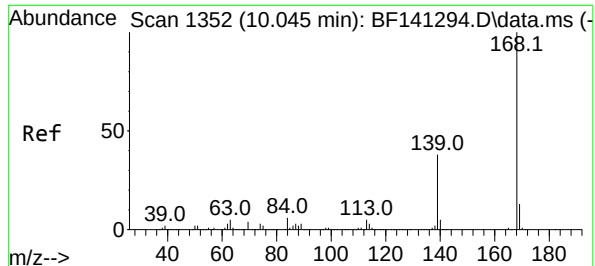
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244
Ion Ratio Lower Upper
184 100
63 72.8 54.1 81.1
154 65.5 50.7 76.1





#55

Dibenzenofuran

Concen: 54.629 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 120202

Ion Ratio Lower Upper

168 100

139 38.8 30.6 46.0

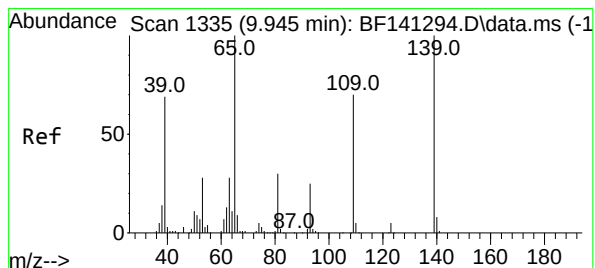
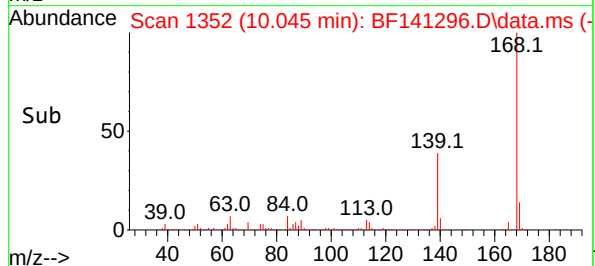
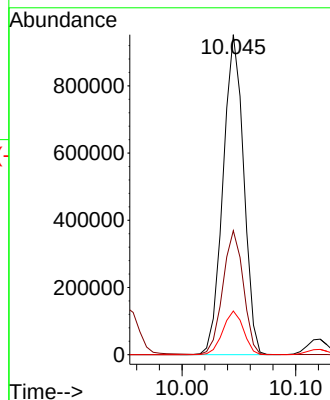
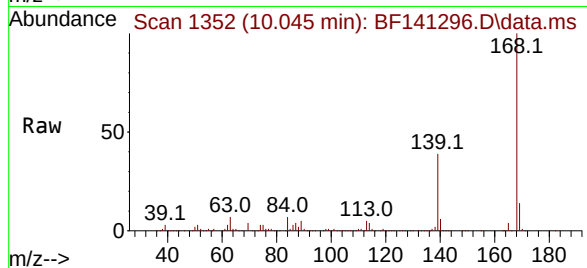
169 13.7 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 66.120 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

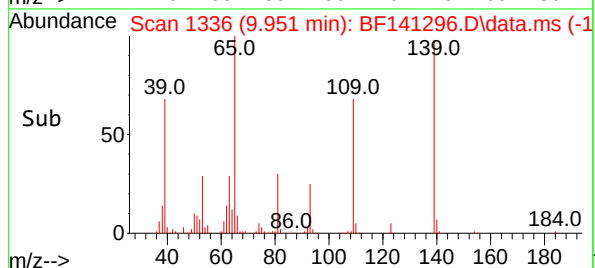
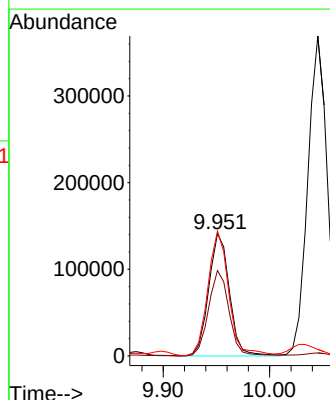
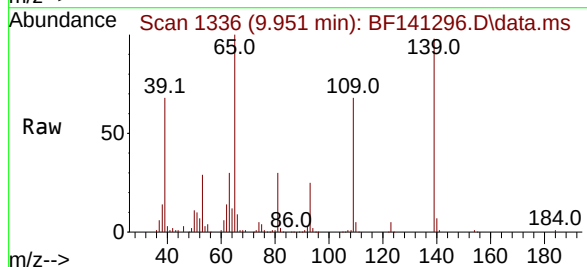
Tgt Ion:139 Resp: 190620

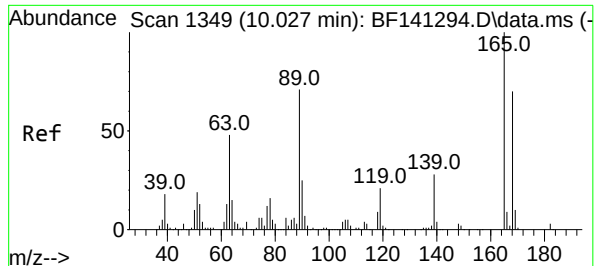
Ion Ratio Lower Upper

139 100

109 69.8 50.2 90.2

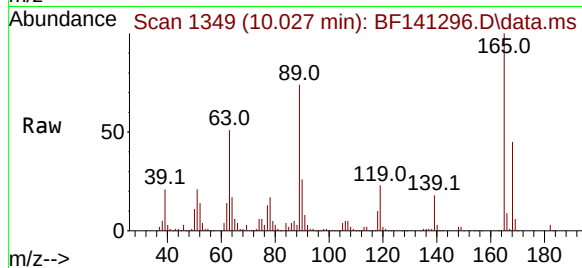
65 102.1 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

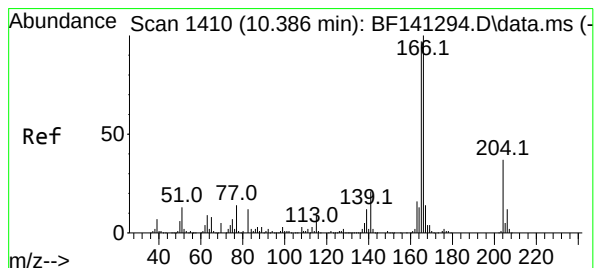
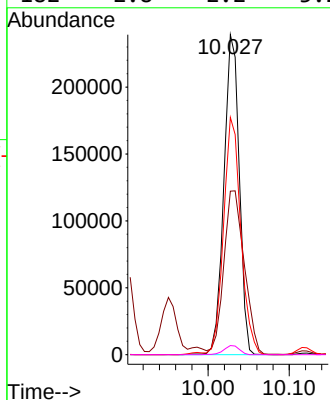
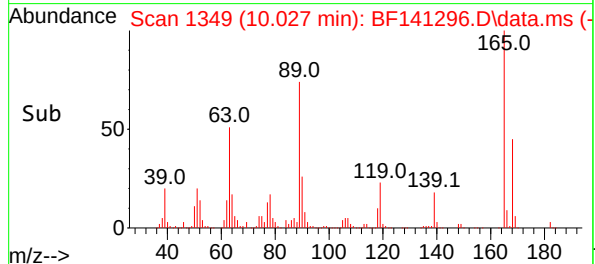
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



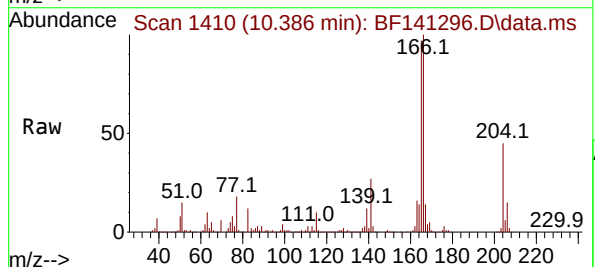
Tgt Ion:165 Resp: 31522
Ion Ratio Lower Upper
165 100
63 51.1 39.2 58.8
89 74.2 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
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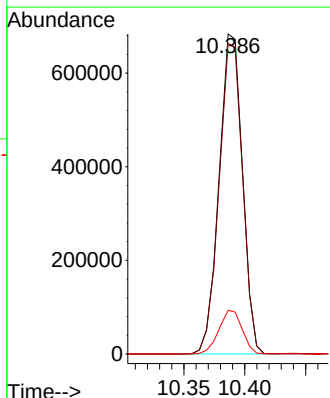
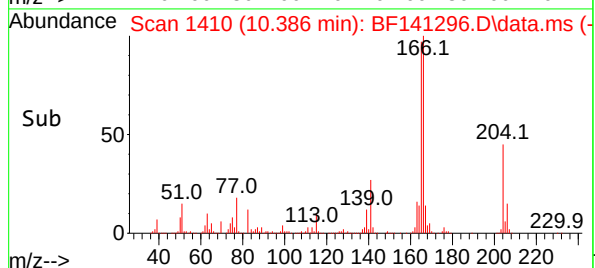
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

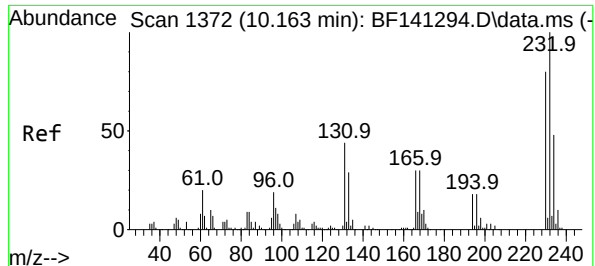


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



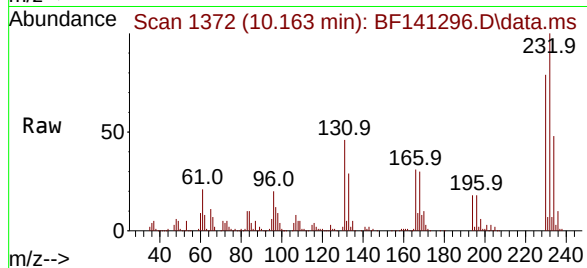
Tgt Ion:166 Resp: 915246
Ion Ratio Lower Upper
166 100
165 97.1 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

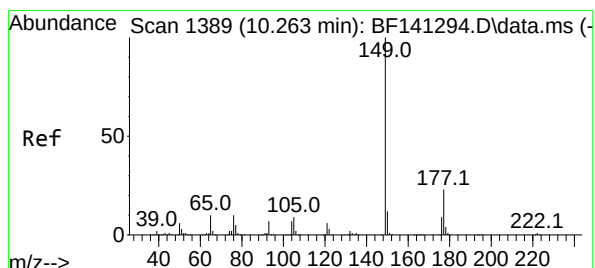
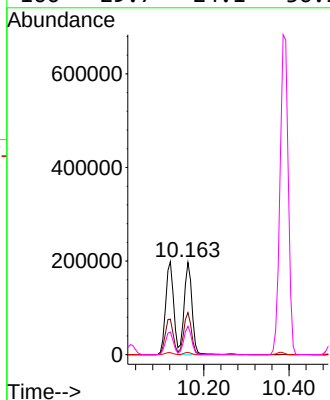
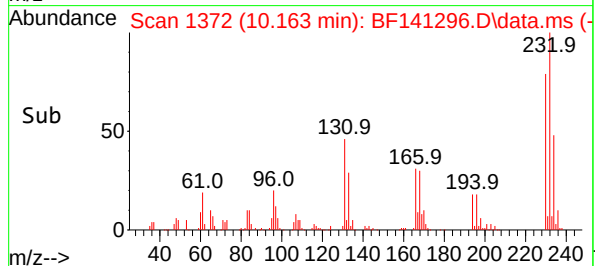
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



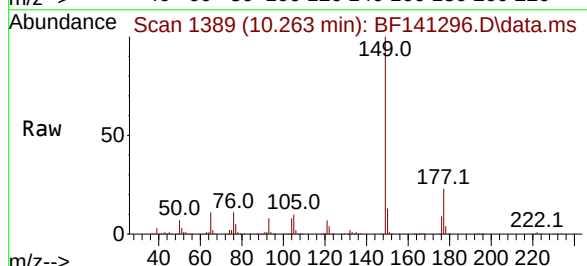
Tgt Ion:232 Resp: 252964
Ion Ratio Lower Upper
232 100
131 45.3 36.4 54.6
130 2.3 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
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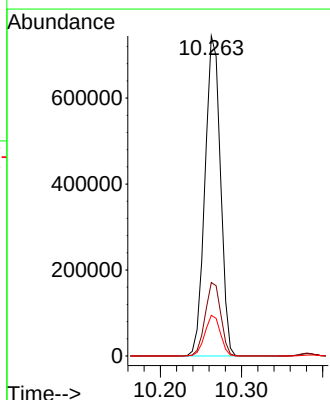
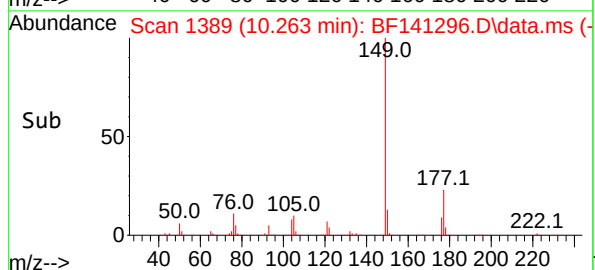
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

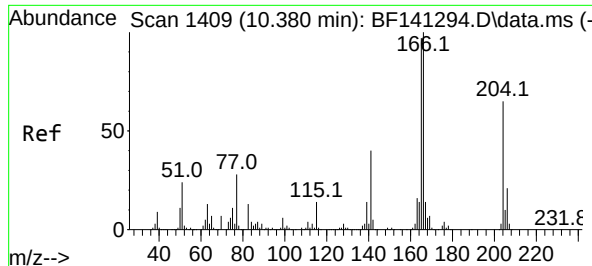


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



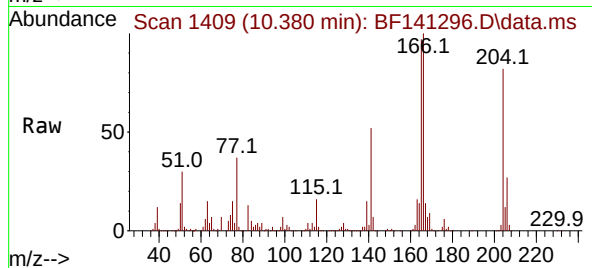
Tgt Ion:149 Resp: 983788
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

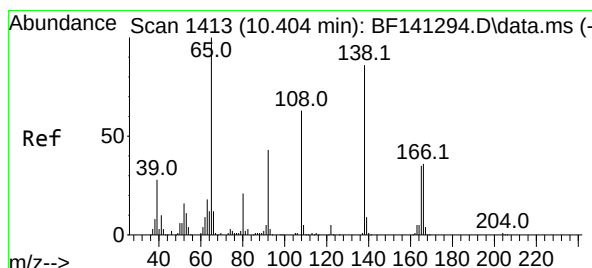
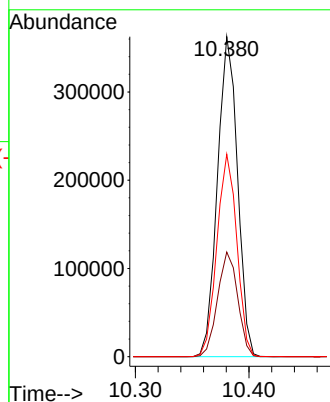
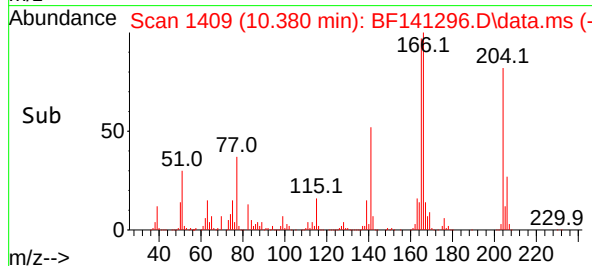
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



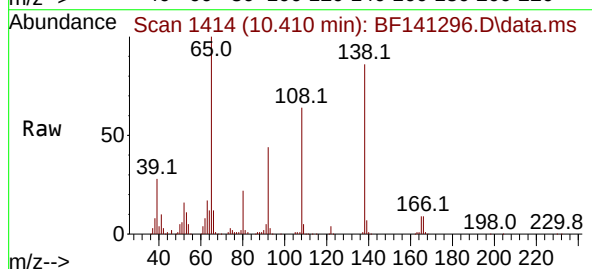
Tgt Ion:204 Resp: 44584
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.2 49.5 74.3

Manual Integrations
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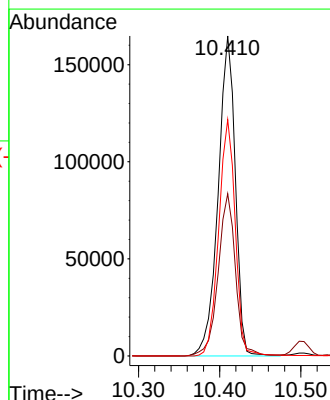
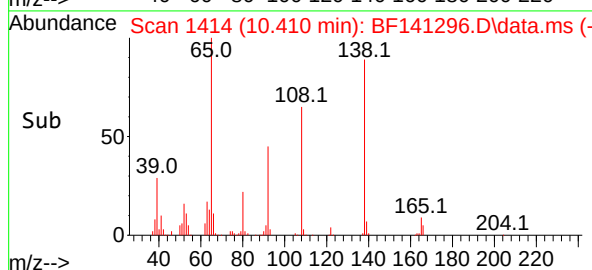
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

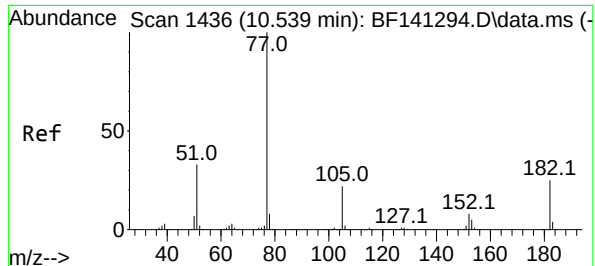


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



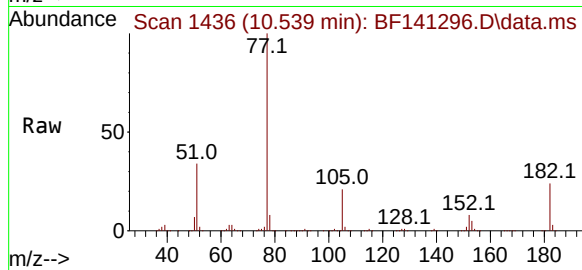
Tgt Ion:138 Resp: 242716
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 73.8 53.1 93.1





#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

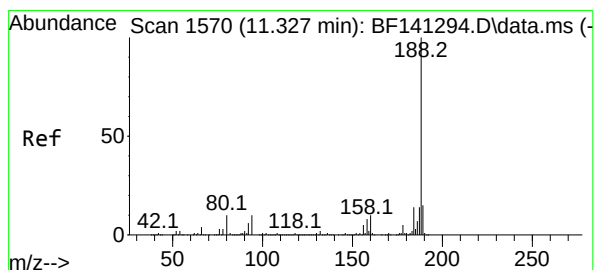
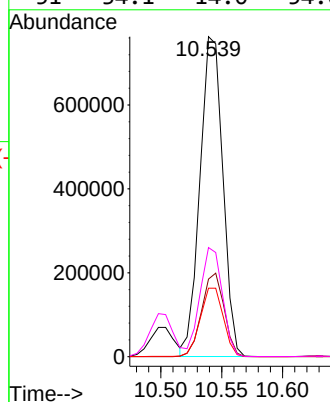
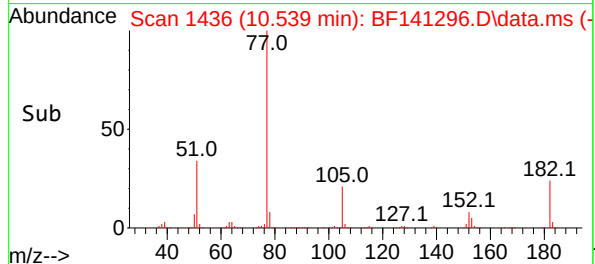
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 996600
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.4 1.8 41.8
51 34.1 14.0 54.0

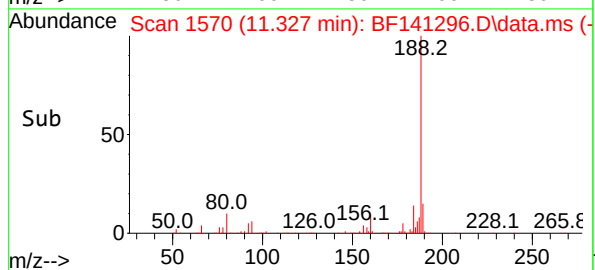
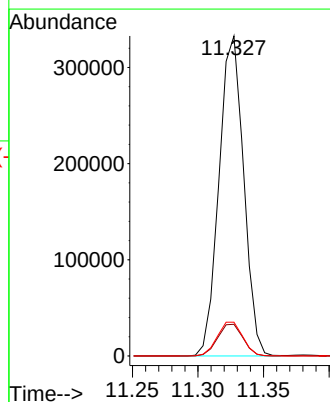
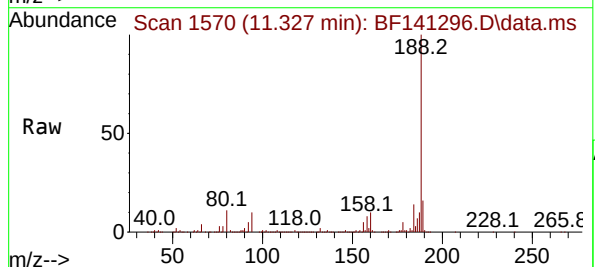
Manual Integrations
APPROVED

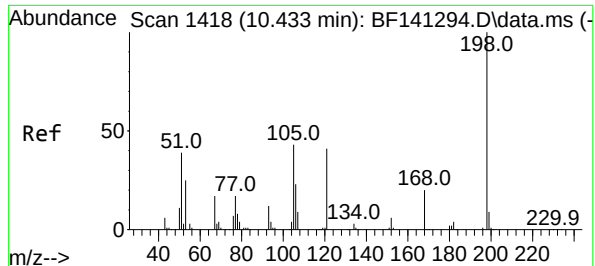
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

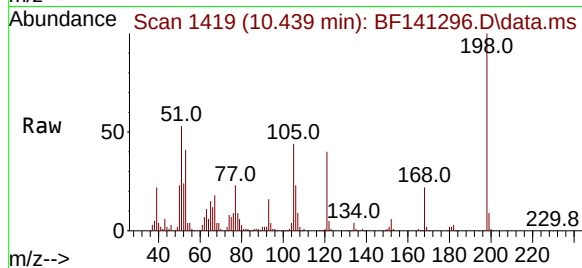
Tgt Ion:188 Resp: 434671
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.6 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

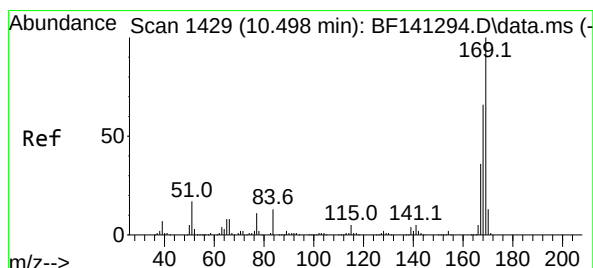
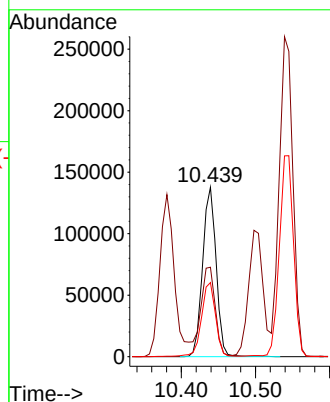
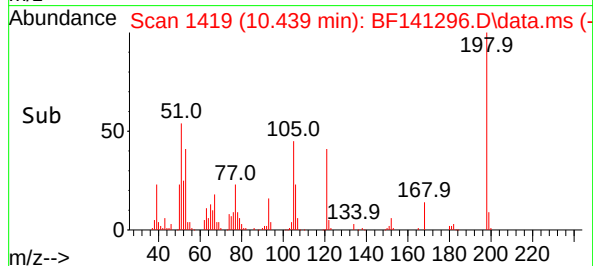
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:198 Resp: 174248
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.7 24.4 64.4

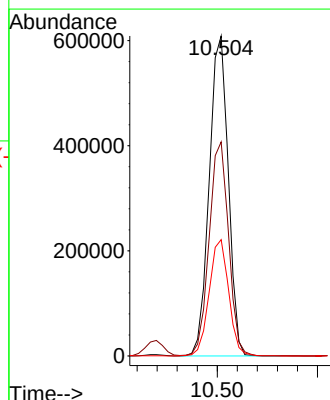
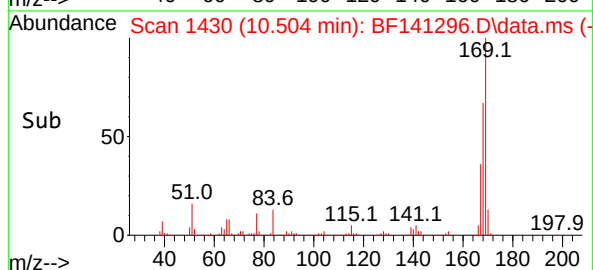
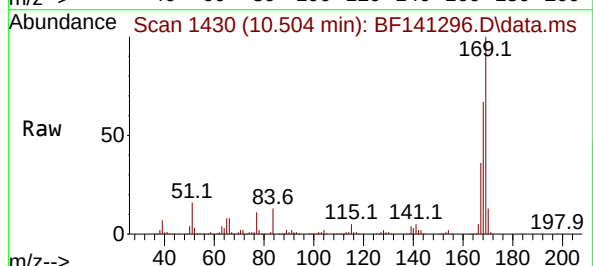
Manual Integrations
APPROVED

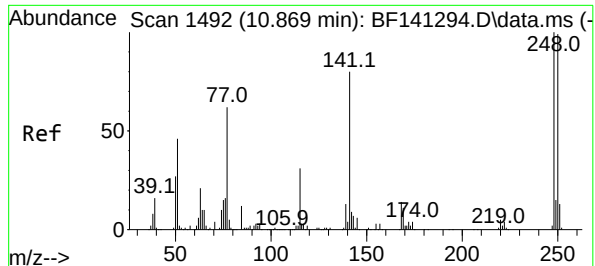
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

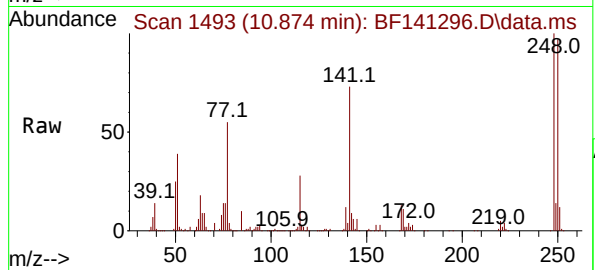
Tgt Ion:169 Resp: 800147
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 1492
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

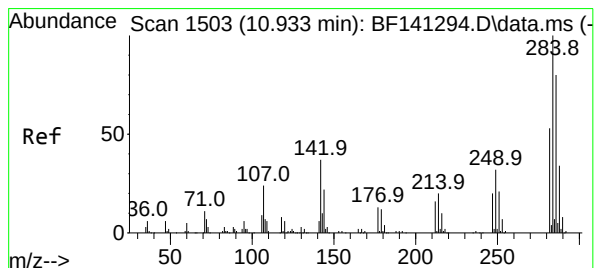
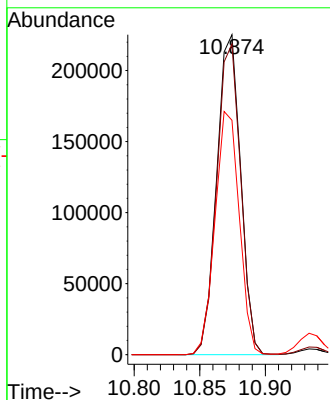
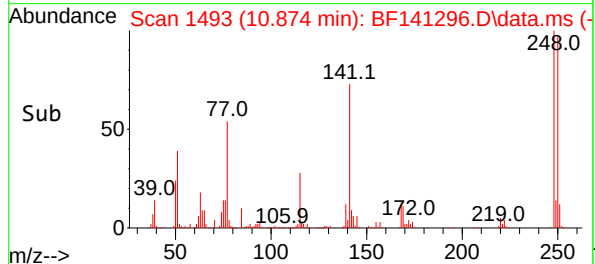
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 28664
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 73.2 63.7 95.5

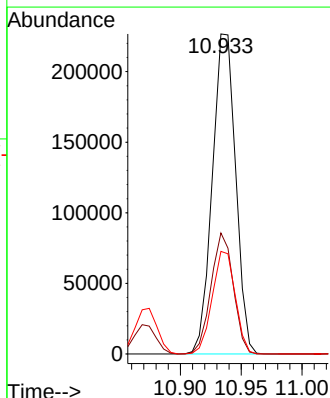
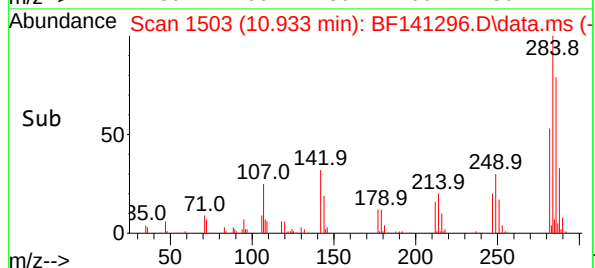
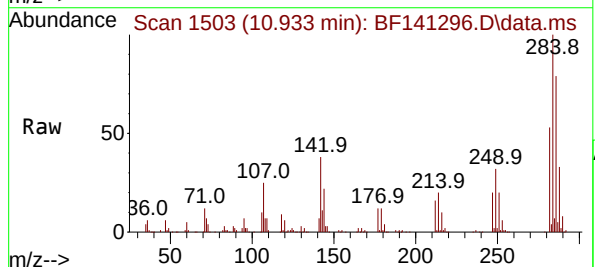
Manual Integrations
APPROVED

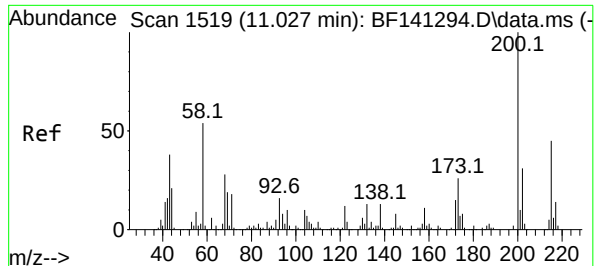
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

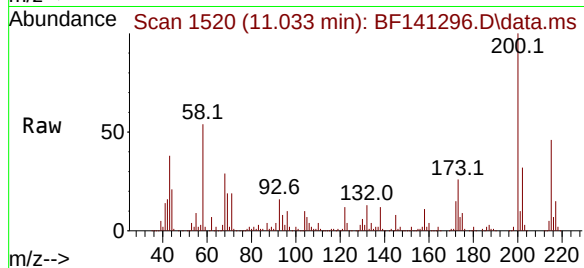
Tgt Ion:284 Resp: 302508
Ion Ratio Lower Upper
284 100
142 37.8 29.5 44.3
249 32.0 25.4 38.2





#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1520
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

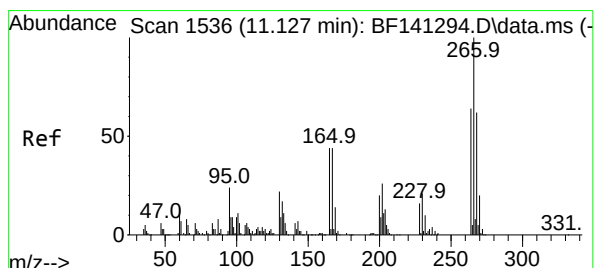
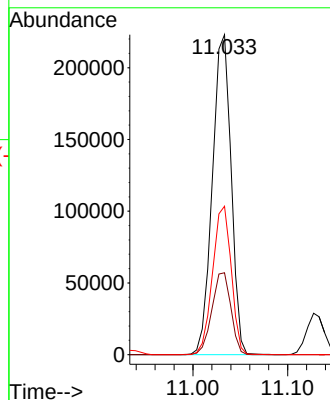
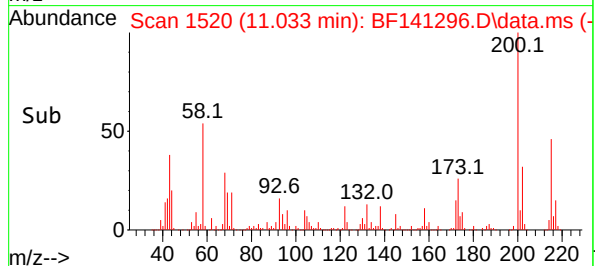
Instrument :
BNA_F
ClientSampleId :
SSTDIC060



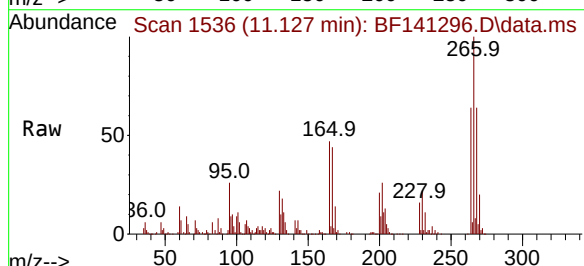
Tgt Ion:200 Resp: 306524
Ion Ratio Lower Upper
200 100
173 25.6 5.9 45.9
215 46.4 25.2 65.2

Manual Integrations
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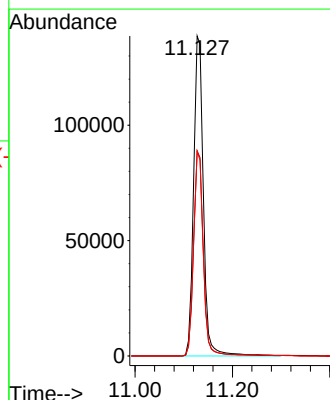
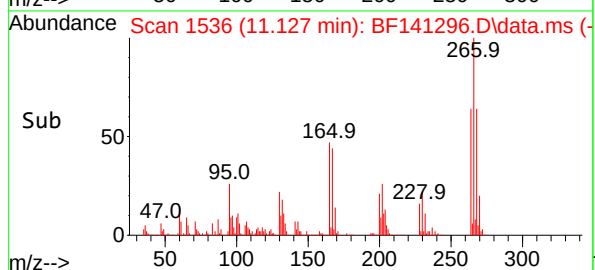
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

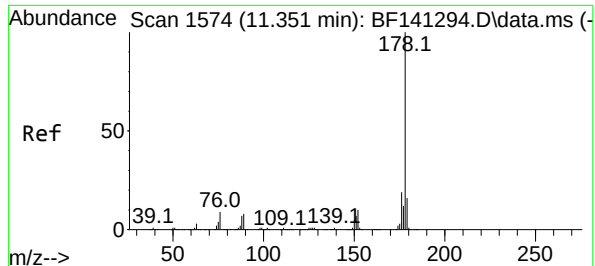


#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



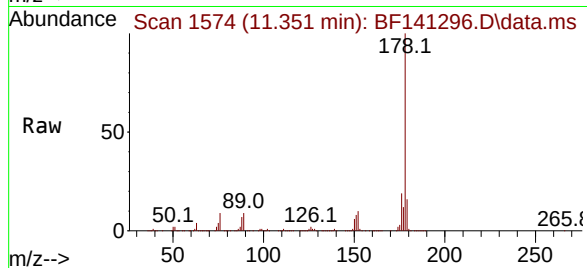
Tgt Ion:266 Resp: 194335
Ion Ratio Lower Upper
266 100
268 64.1 49.9 74.9
264 63.9 51.0 76.4





#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

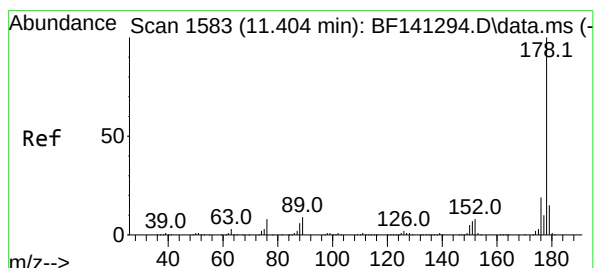
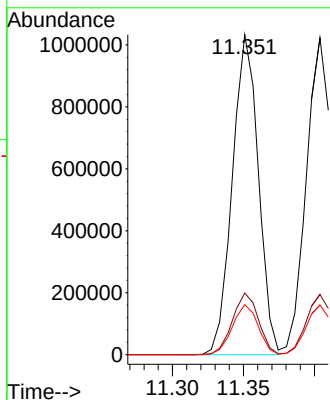
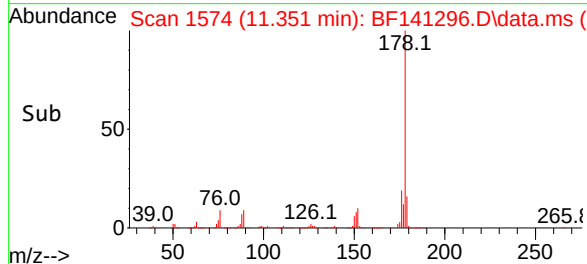
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1316980
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.5 18.7

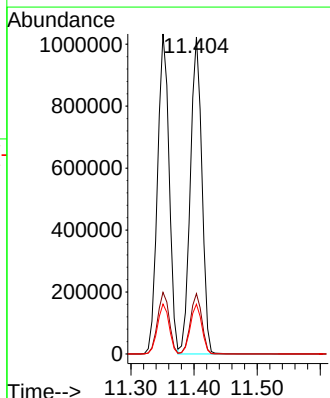
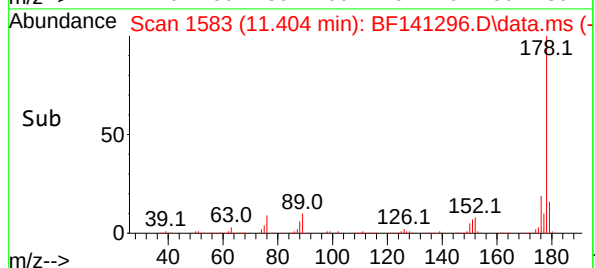
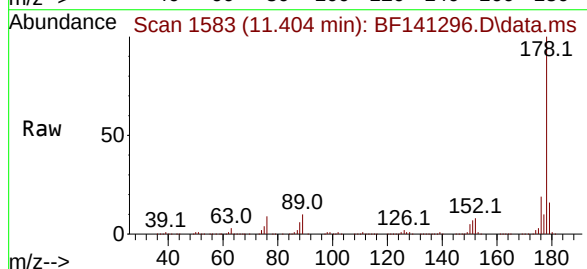
Manual Integrations
APPROVED

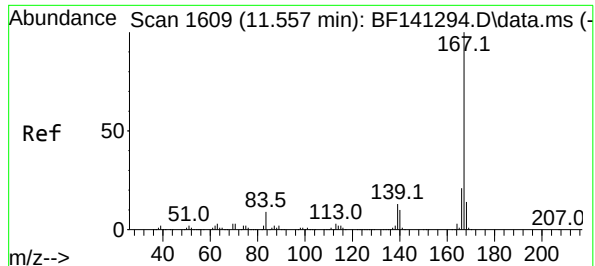
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

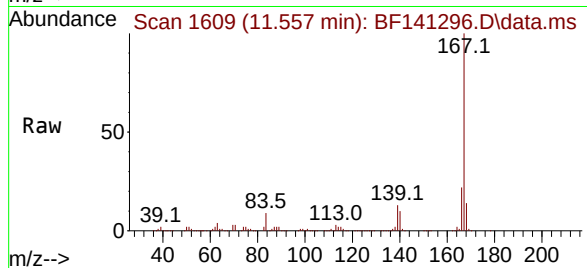
Tgt Ion:178 Resp: 1298334
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.7 12.3 18.5





#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

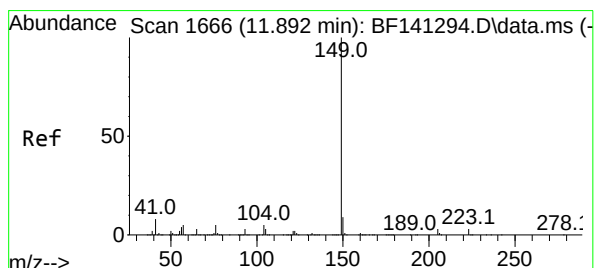
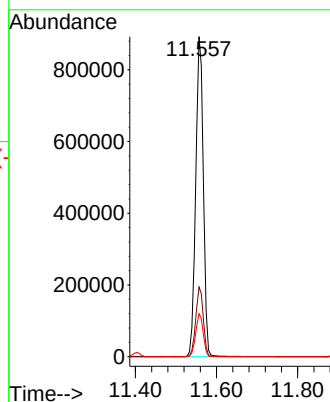
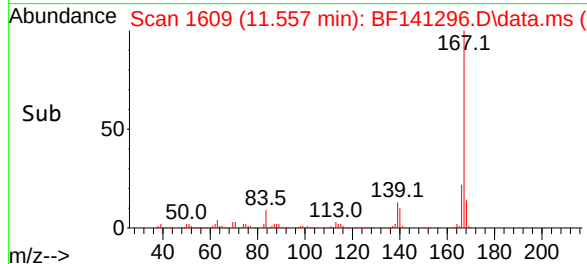
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



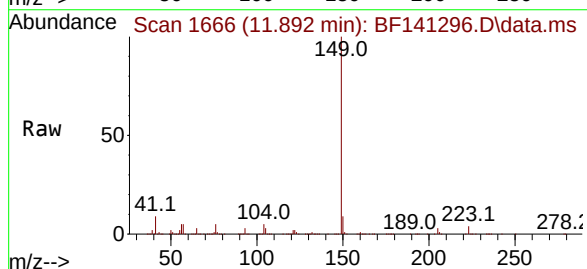
Tgt Ion:167 Resp: 1173330
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.4 10.6 16.0

Manual Integrations
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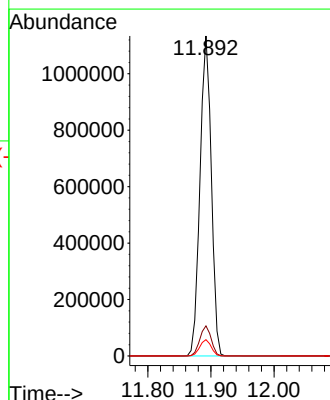
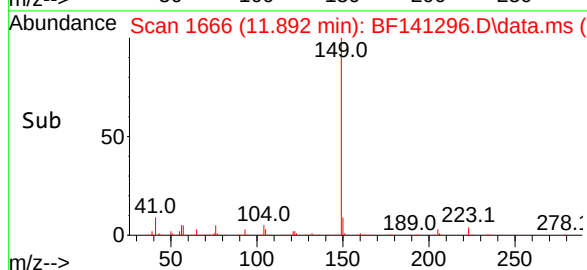
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

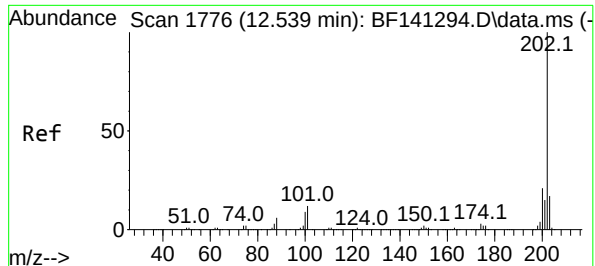


#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



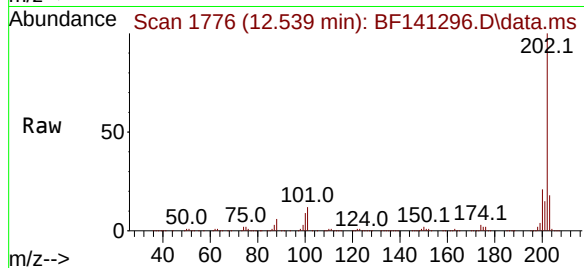
Tgt Ion:149 Resp: 1410222
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

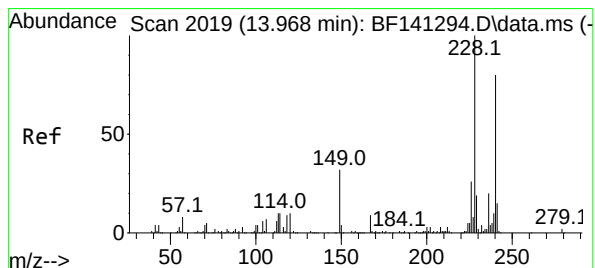
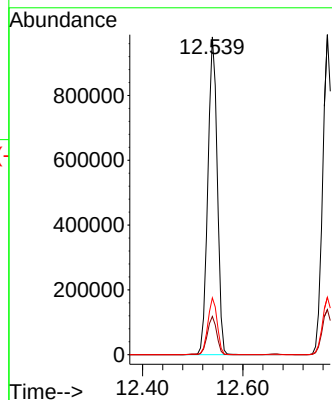
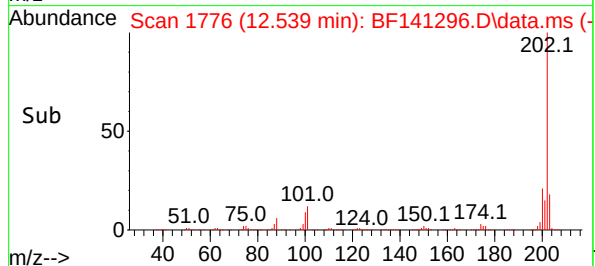
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1279999
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.9 0.0 37.5

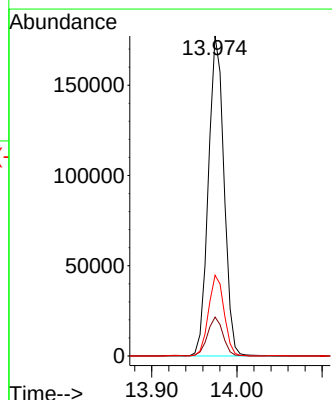
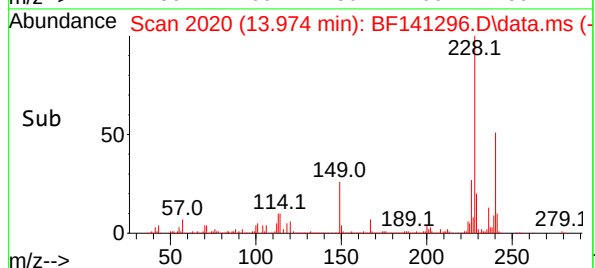
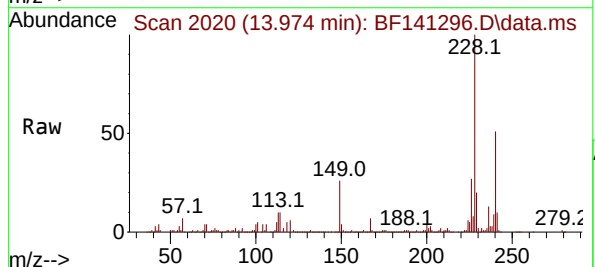
Manual Integrations
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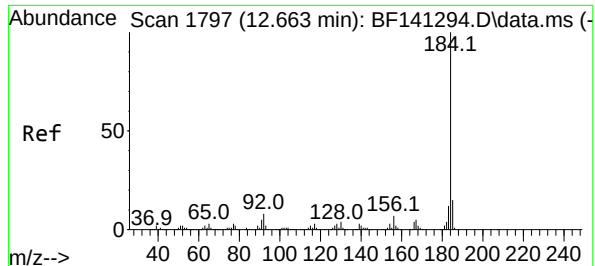
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

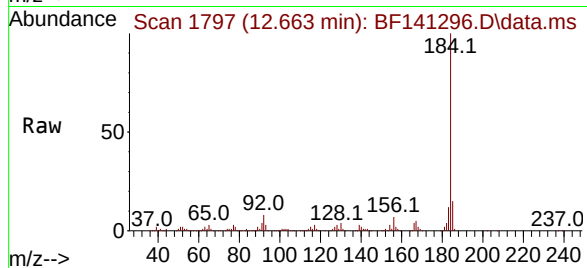
Tgt Ion:240 Resp: 225615
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.2 19.7 29.5





#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

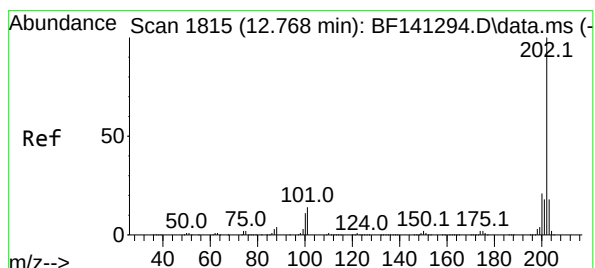
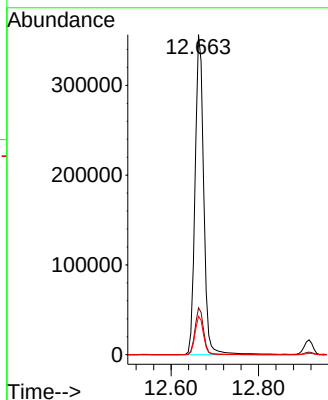
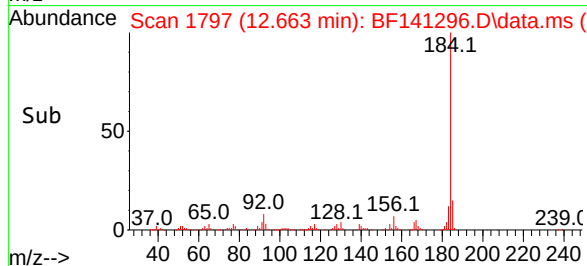
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 490009
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 12.0 9.5 14.3

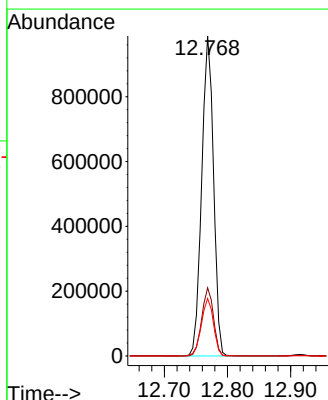
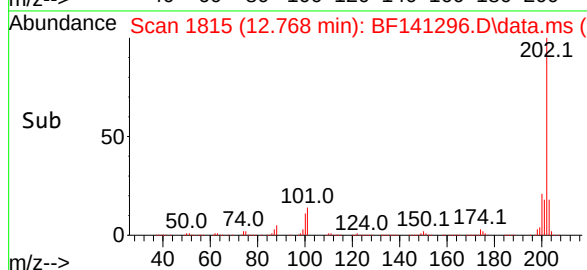
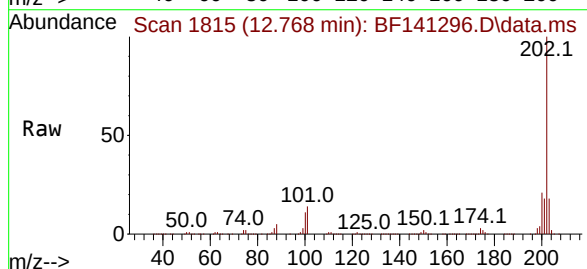
Manual Integrations
APPROVED

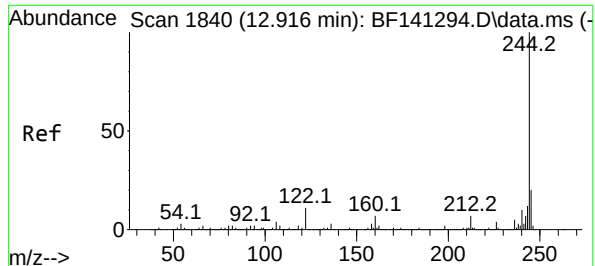
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

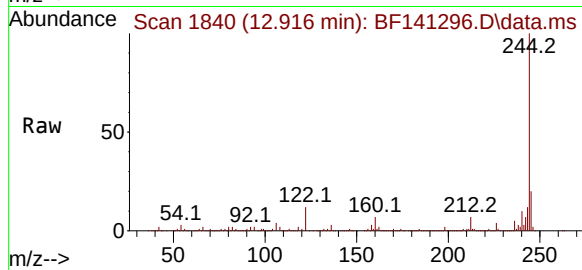
Tgt Ion:202 Resp: 1284820
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

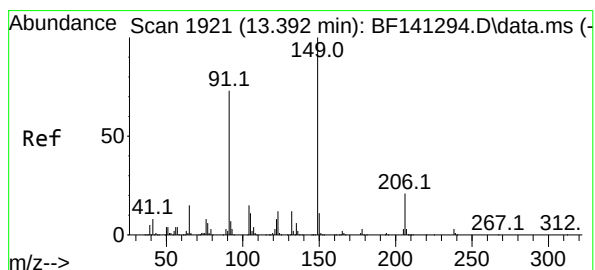
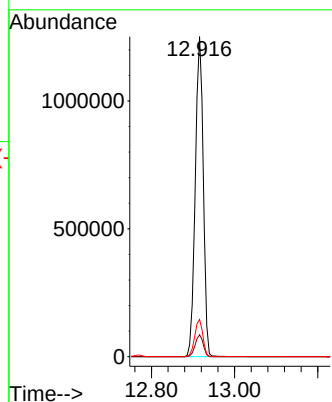
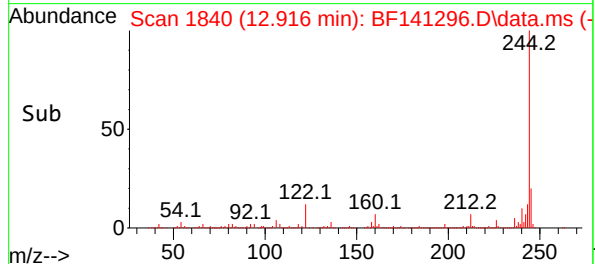
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 166559
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.6 8.8 13.2

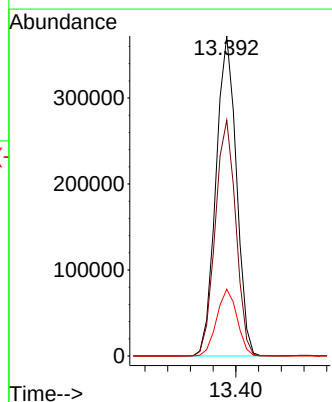
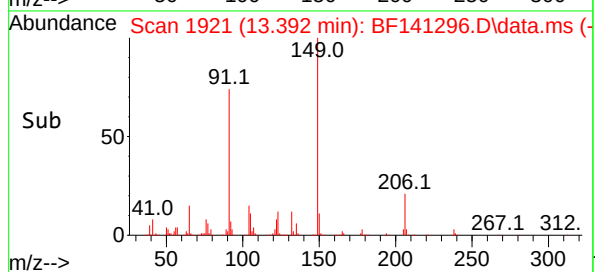
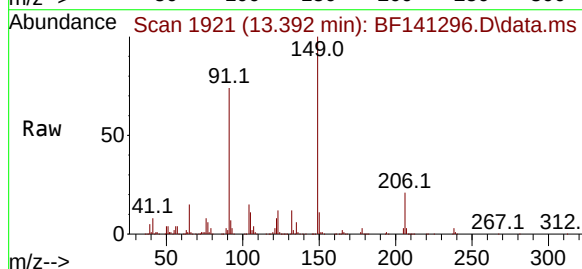
Manual Integrations
APPROVED

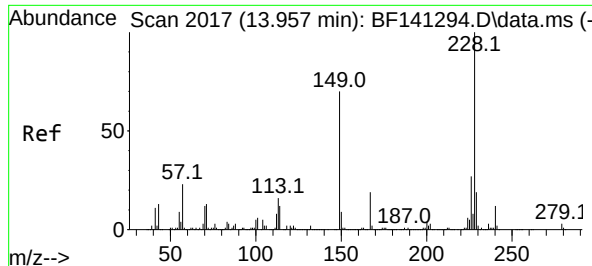
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

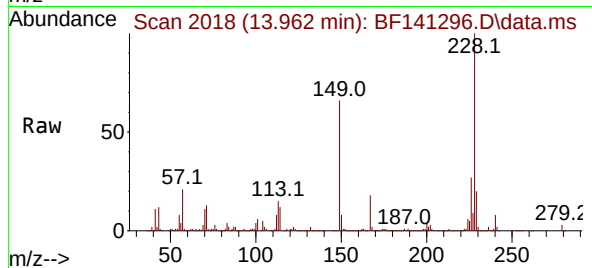
Tgt Ion:149 Resp: 465533
Ion Ratio Lower Upper
149 100
91 73.7 58.6 87.8
206 20.8 16.7 25.1





#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

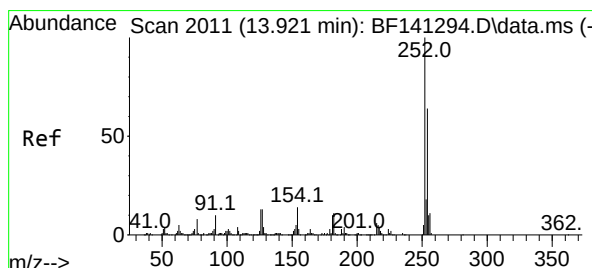
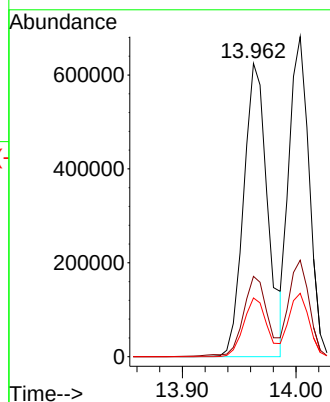
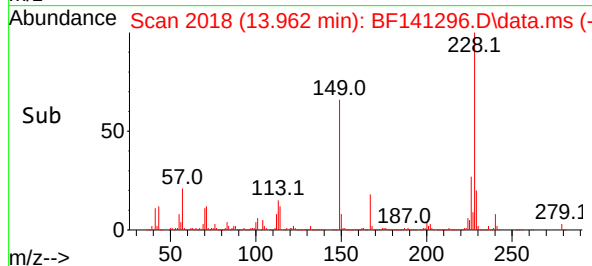
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



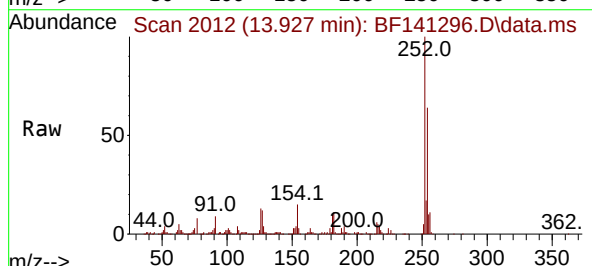
Tgt Ion:228 Resp: 917219
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 20.0 15.5 23.3

Manual Integrations
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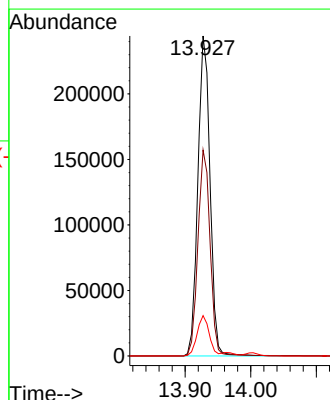
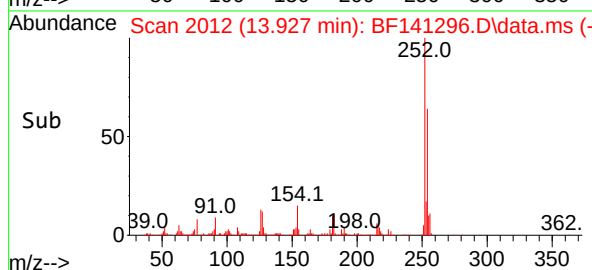
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

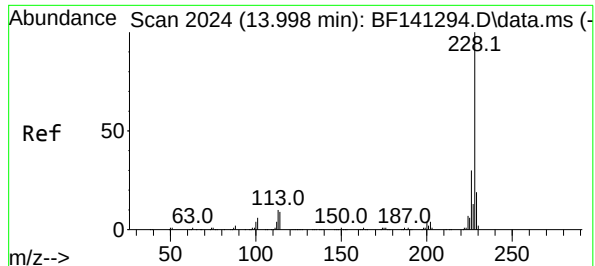


#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



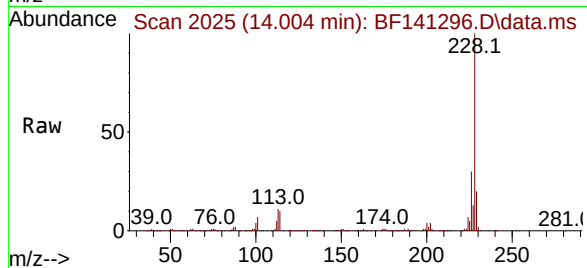
Tgt Ion:252 Resp: 315503
Ion Ratio Lower Upper
252 100
254 64.4 51.3 76.9
126 12.6 10.0 15.0





#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

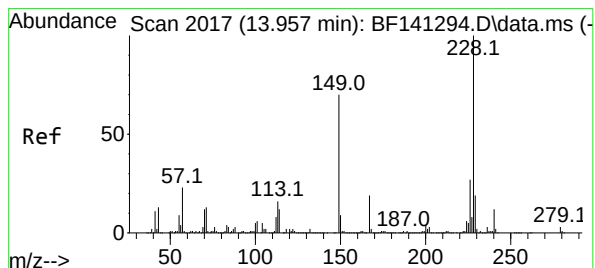
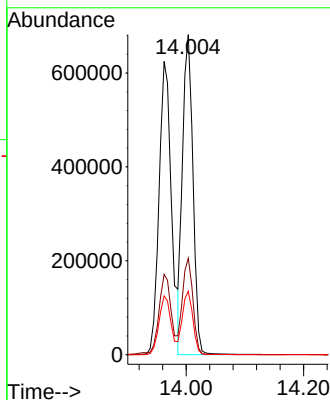
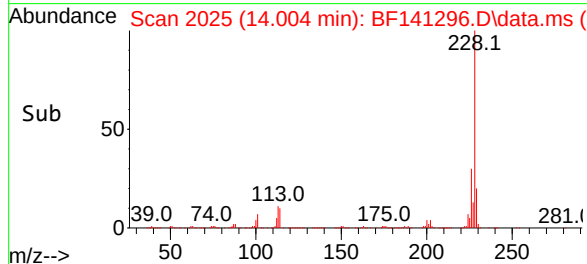
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 841120
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.6 23.4

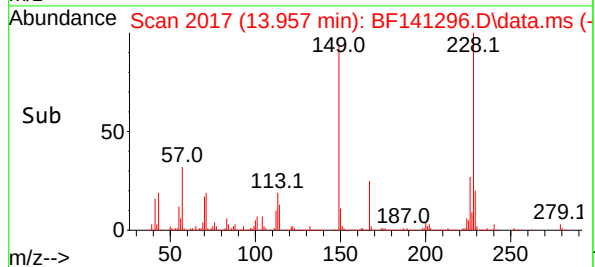
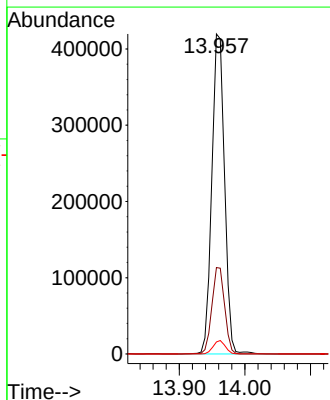
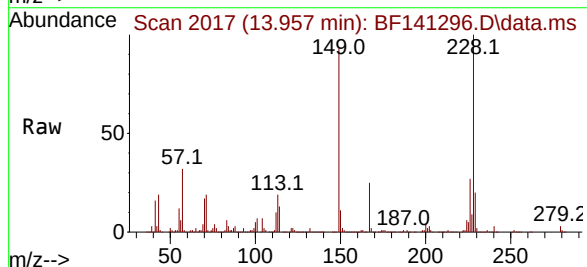
Manual Integrations
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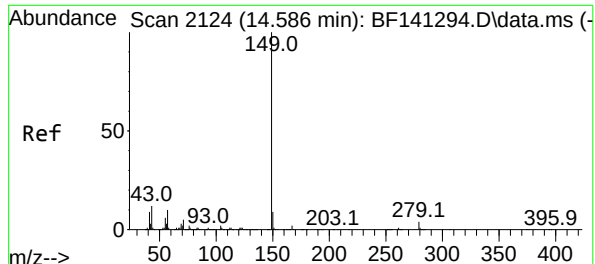
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

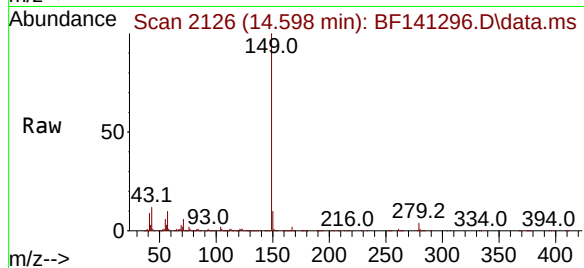
Tgt Ion:149 Resp: 564642
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

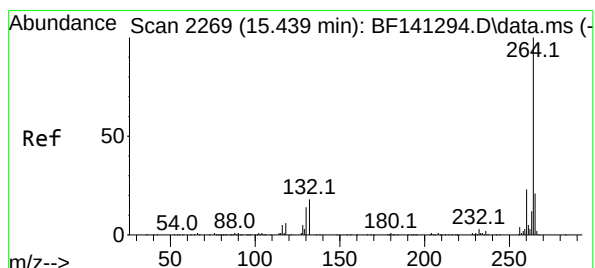
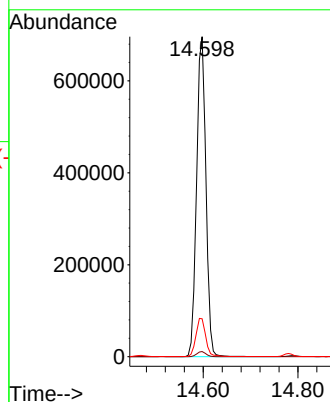
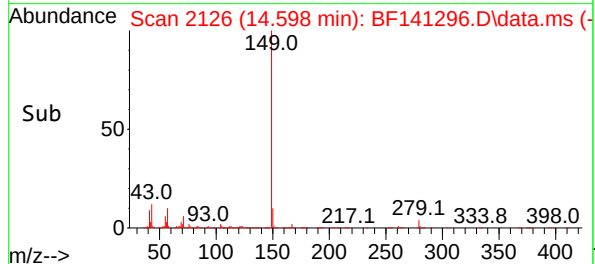
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



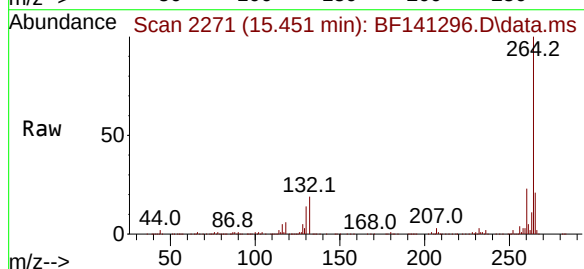
Tgt Ion:149 Resp: 95147
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.6 9.8 14.8

Manual Integrations
APPROVED

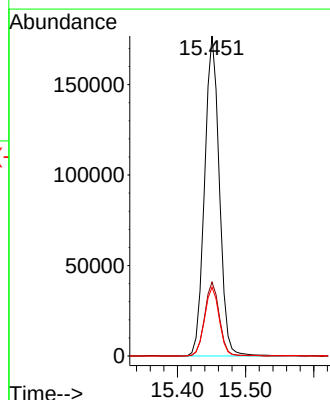
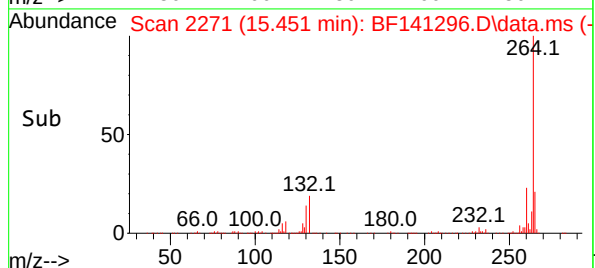
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

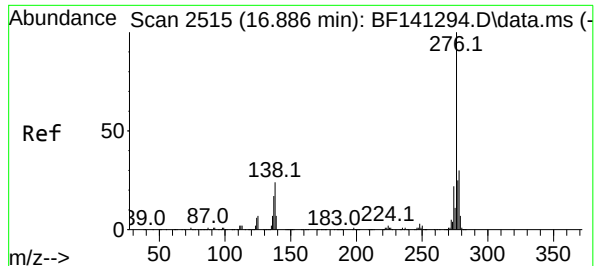


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



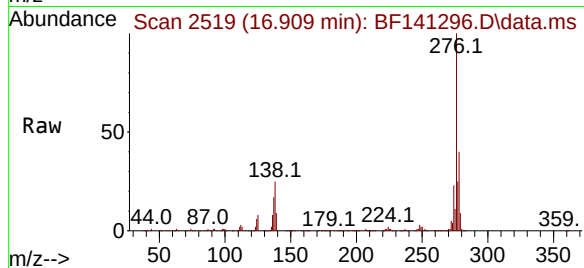
Tgt Ion:264 Resp: 265921
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

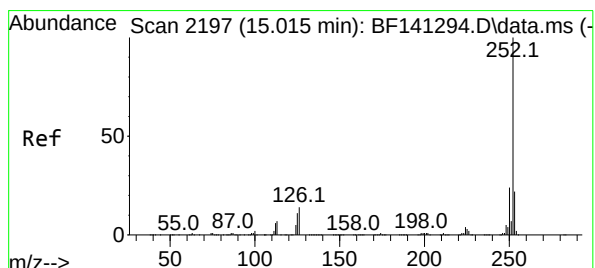
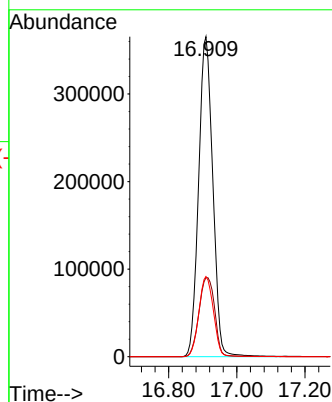
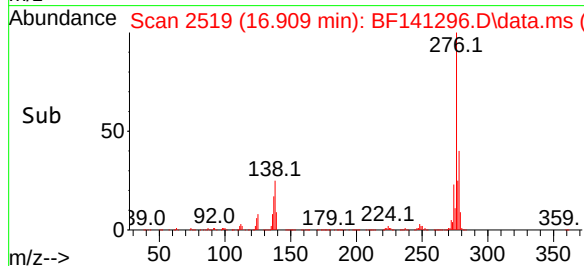
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



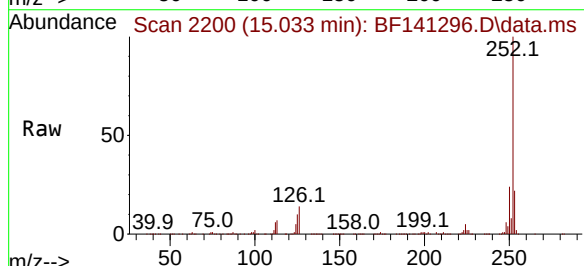
Tgt Ion:276 Resp: 105498
Ion Ratio Lower Upper
276 100
138 27.6 21.7 32.5
277 25.8 20.3 30.5

Manual Integrations
APPROVED

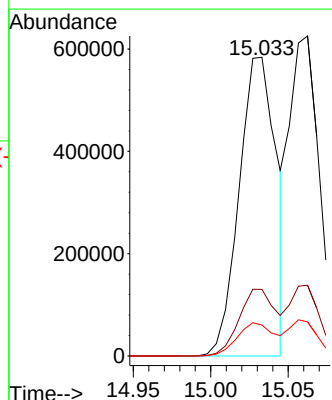
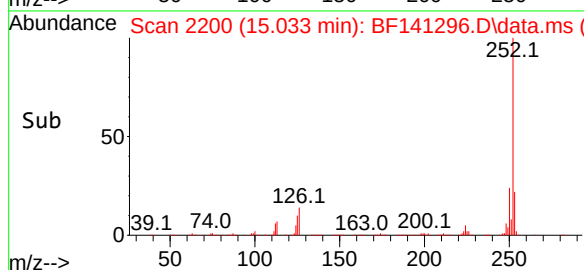
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

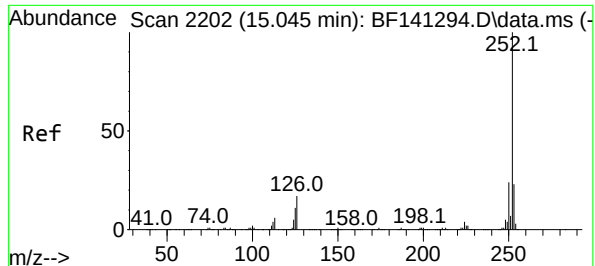


#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:252 Resp: 971433
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.3 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 55.934 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 84584

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

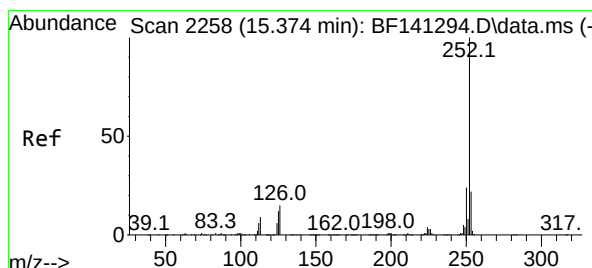
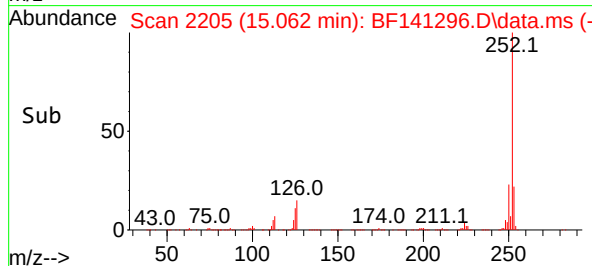
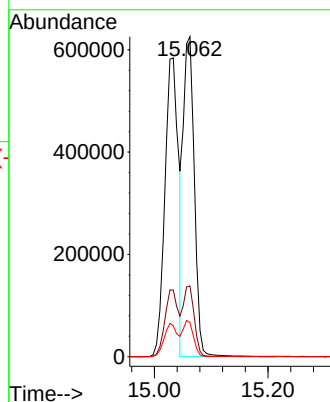
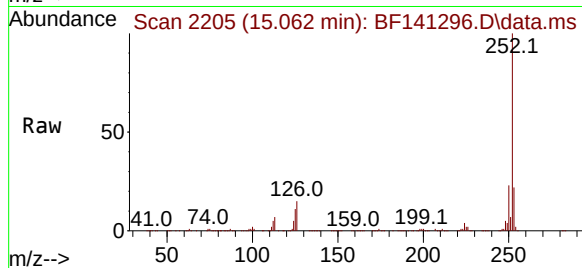
125 10.6 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 58.588 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

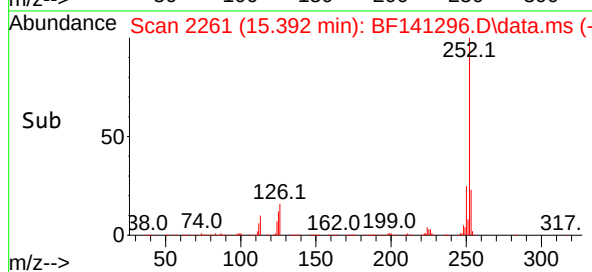
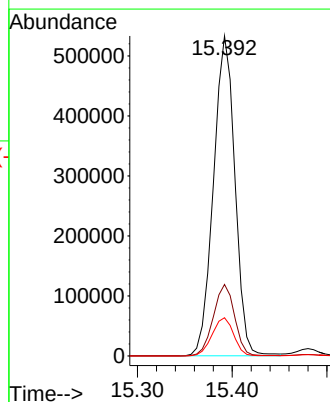
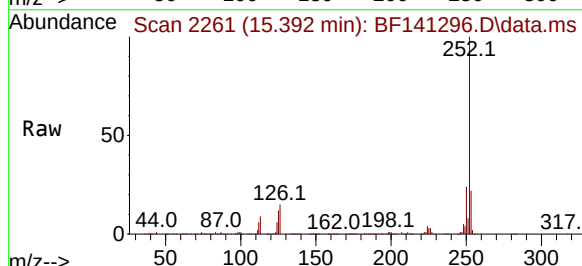
Tgt Ion:252 Resp: 838283

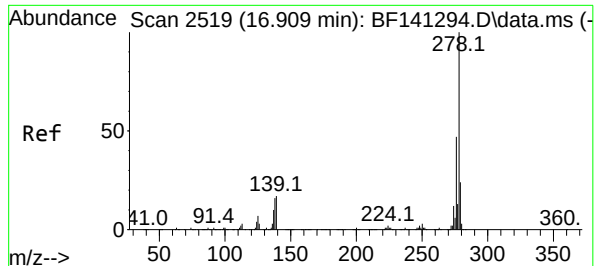
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 12.0 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 62.119 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:278 Resp: 854214

Ion Ratio Lower Upper

278 100

139 18.7 13.9 20.9

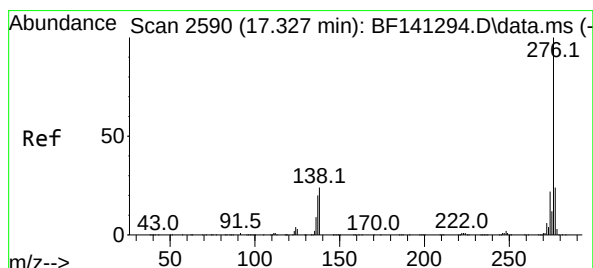
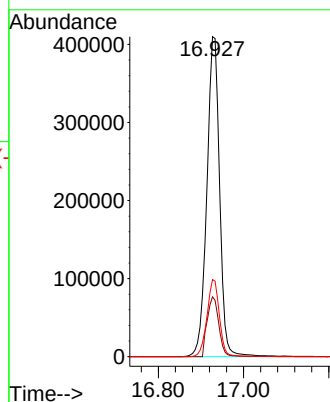
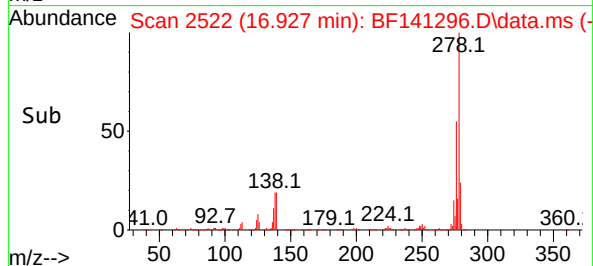
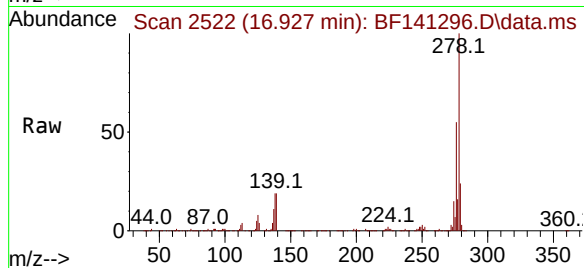
279 24.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 61.510 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

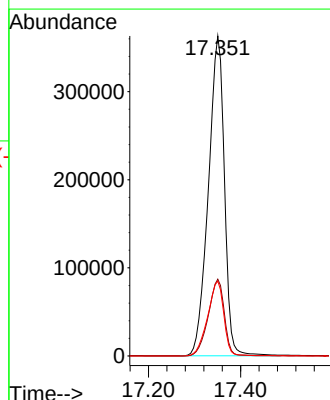
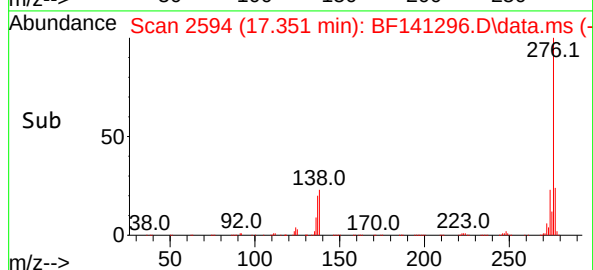
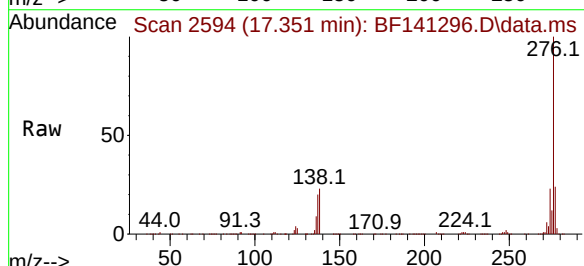
Tgt Ion:276 Resp: 881804

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jan 29 17:32:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng	0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng	0.00
86) Perylene-d12	15.439	264	271797	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng	0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng	0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng	0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng	0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng	100
3) Pyridine	3.228	79	684346	76.095	ng	99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng	99
6) Aniline	6.469	93	607667	65.185	ng	# 86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng	97
9) Benzaldehyde	6.351	77	376227	58.226	ng	100
10) Phenol	6.451	94	804078	69.411	ng	90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng	98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng	99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng	99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng	99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng	98
17) 2-Methylphenol	7.057	107	545097	73.368	ng	97
18) Hexachloroethane	7.316	117	265593	70.765	ng	97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng	97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng	96
22) Acetophenone	7.216	105	824220	67.811	ng	# 96
24) Nitrobenzene	7.393	77	716200	71.762	ng	99
25) Isophorone	7.628	82	1229697	74.193	ng	99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng	98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng	99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng	99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng	100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng	100
31) Naphthalene	8.110	128	1838789	68.107	ng	99
32) Benzoic acid	7.881	122	484583	91.066	ng	99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng	99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng	99
35) Caprolactam	8.545	113	177093	74.270	ng	99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng	98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng	98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng	100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

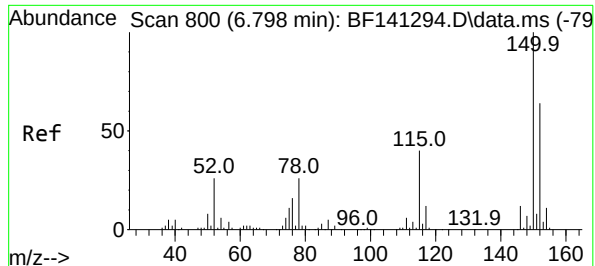
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

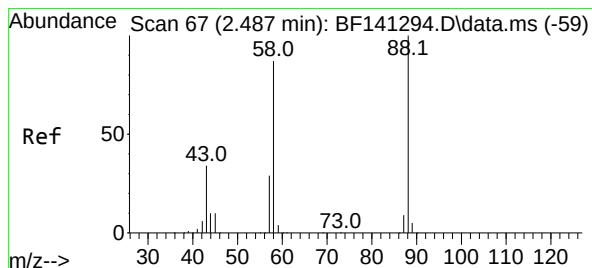
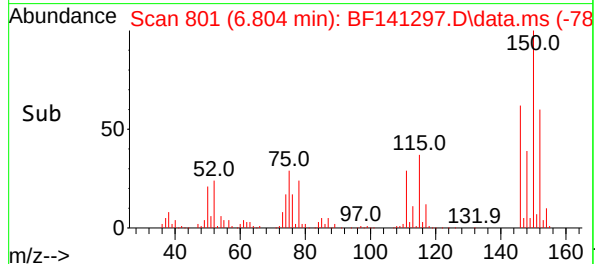
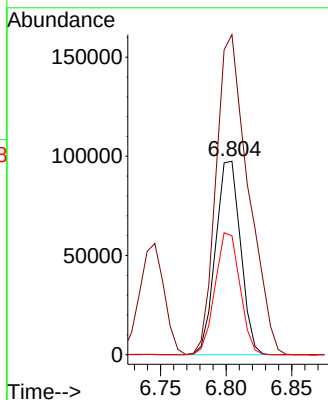
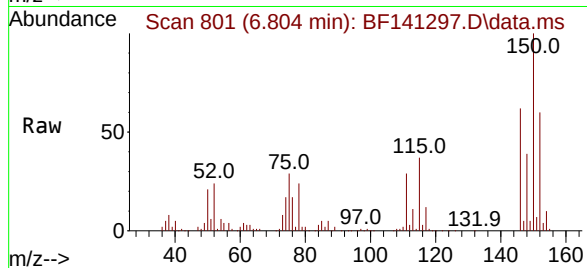
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

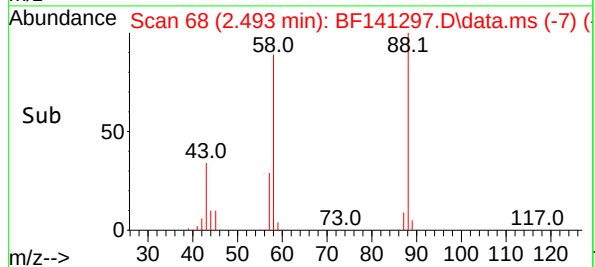
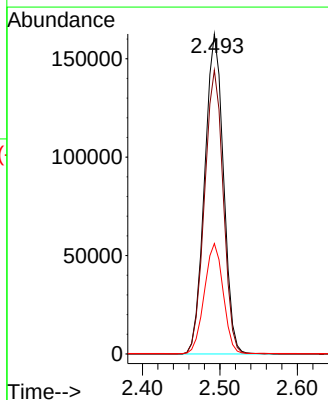
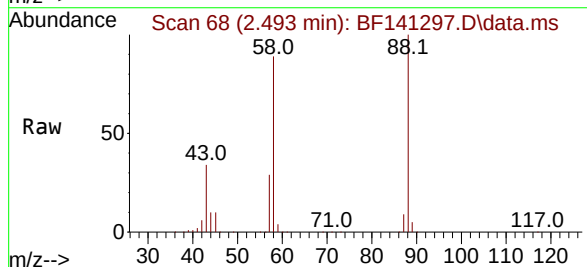
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

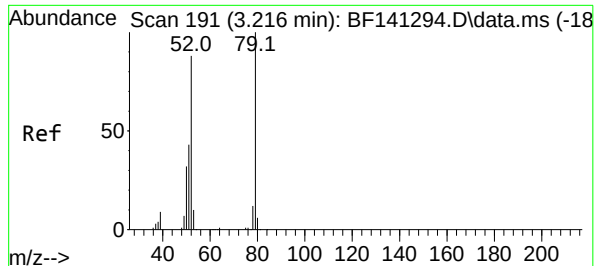
Tgt Ion:152 Resp: 129386
Ion Ratio Lower Upper
152 100
150 165.5 125.9 188.9
115 61.4 49.7 74.5



#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.4
43 34.3 27.6 41.4





#3

Pyridine

Concen: 76.095 ng

RT: 3.228 min Scan# 191

Delta R.T. 0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

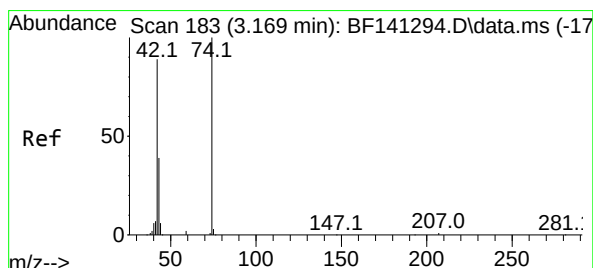
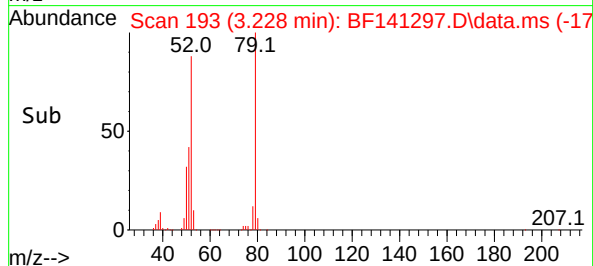
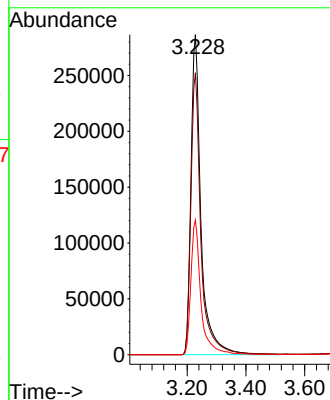
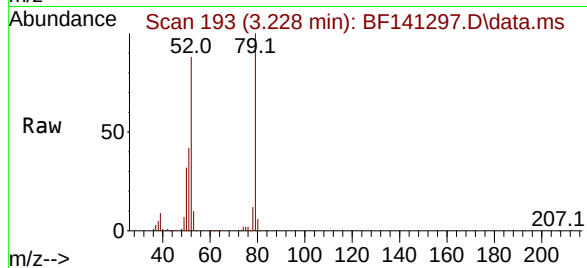
Tgt Ion: 79 Resp: 684346

Ion Ratio Lower Upper

79 100

52 88.1 70.3 105.5

51 42.1 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 77.974 ng

RT: 3.199 min Scan# 188

Delta R.T. 0.018 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

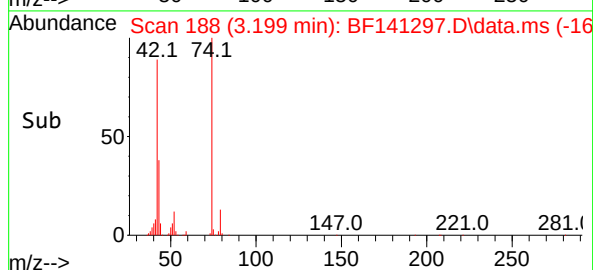
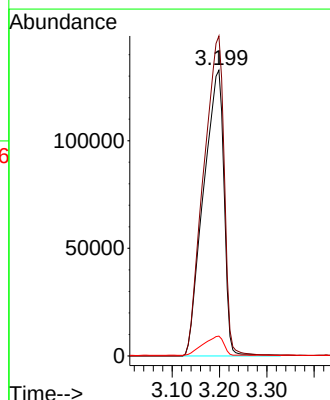
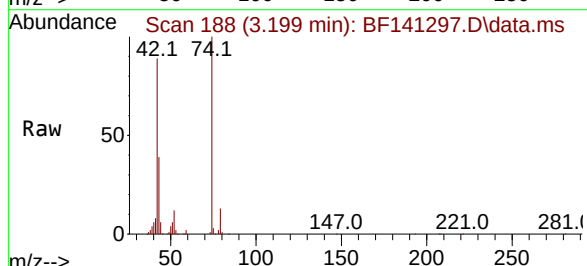
Tgt Ion: 42 Resp: 399245

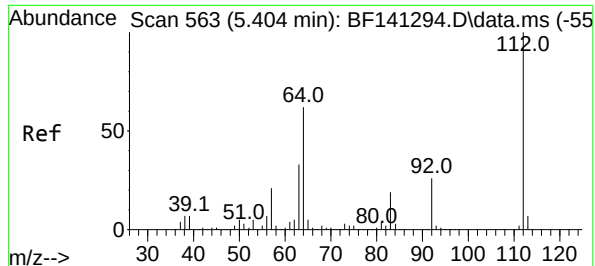
Ion Ratio Lower Upper

42 100

74 112.0 90.3 135.5

44 6.9 5.7 8.5

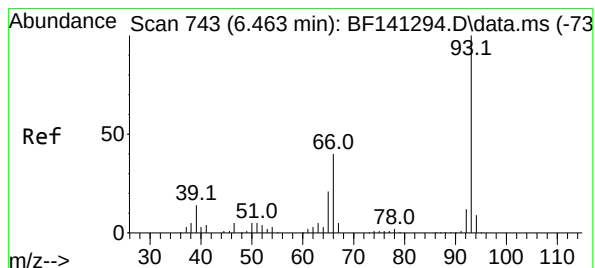
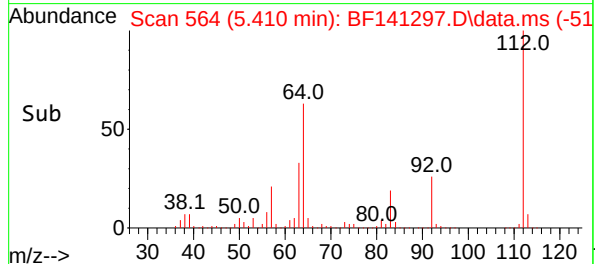
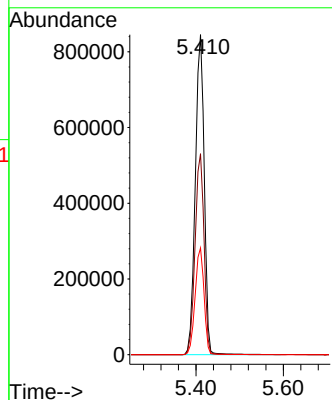
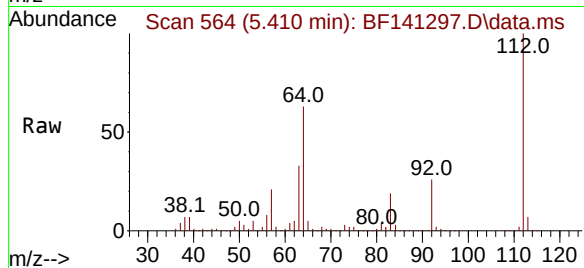




#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

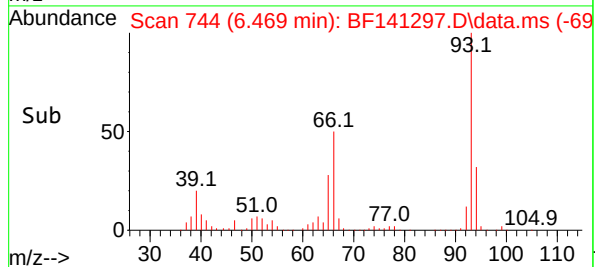
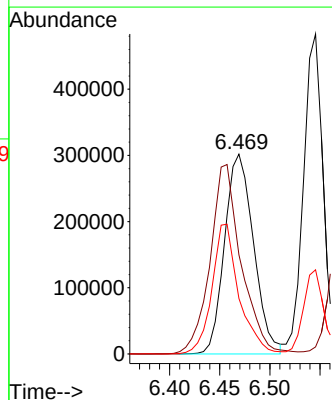
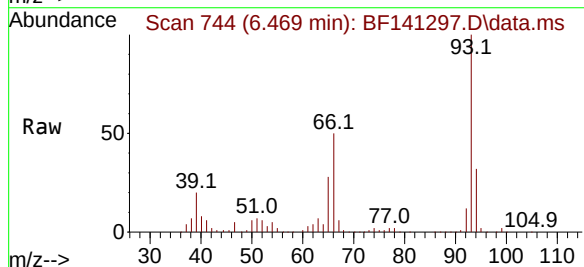
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

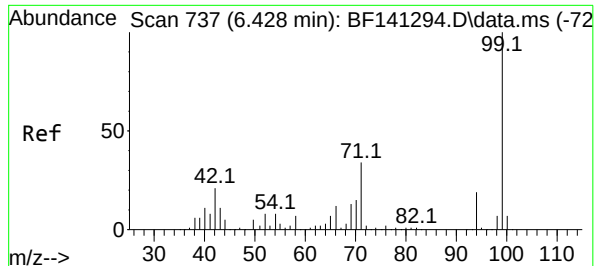
Tgt Ion:112 Resp: 1203835
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 33.4 26.1 39.1



#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667
Ion Ratio Lower Upper
93 100
66 49.7 32.5 48.7#
65 27.8 17.0 25.6#





#7

Phenol-d6

Concen: 139.796 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

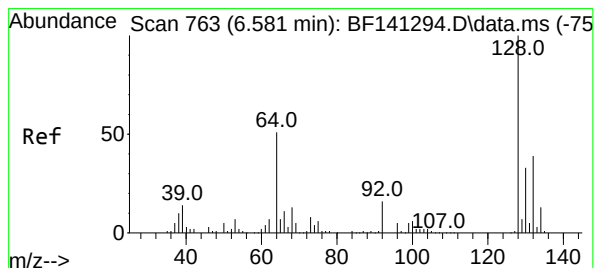
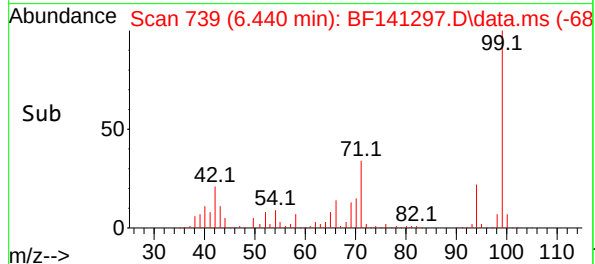
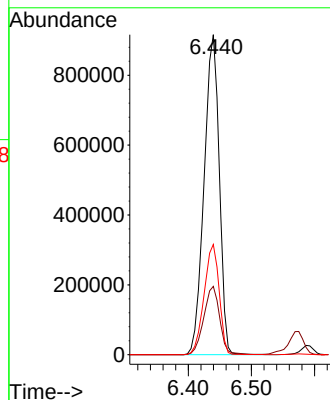
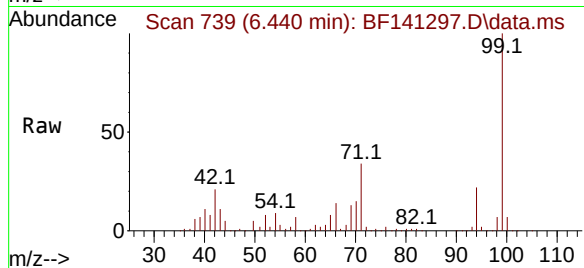
Tgt Ion: 99 Resp: 1526343

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

71 34.4 26.9 40.3



#8

2-Chlorophenol

Concen: 69.519 ng

RT: 6.593 min Scan# 765

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

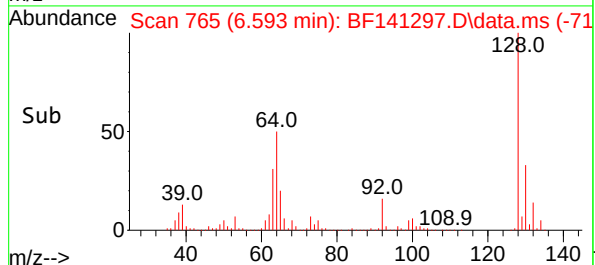
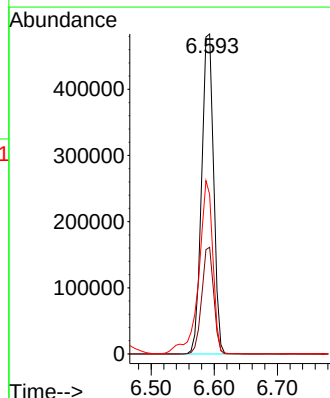
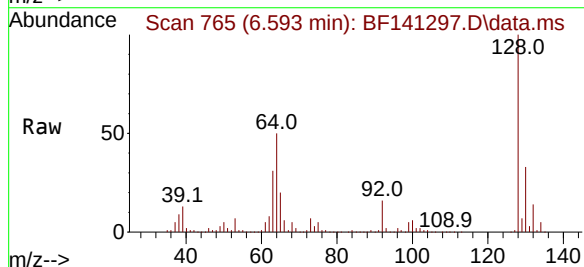
Tgt Ion:128 Resp: 639957

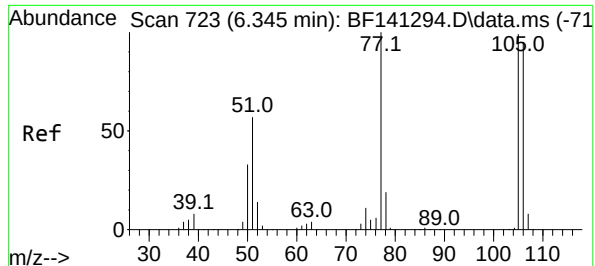
Ion Ratio Lower Upper

128 100

130 33.4 12.5 52.5

64 49.8 32.9 72.9





#9

Benzaldehyde

Concen: 58.226 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

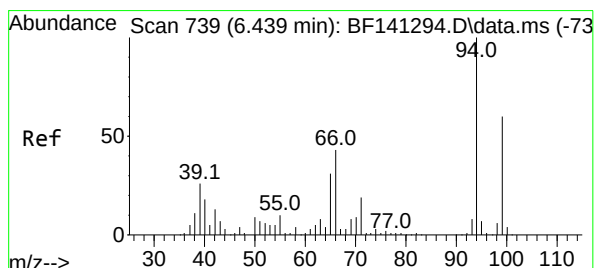
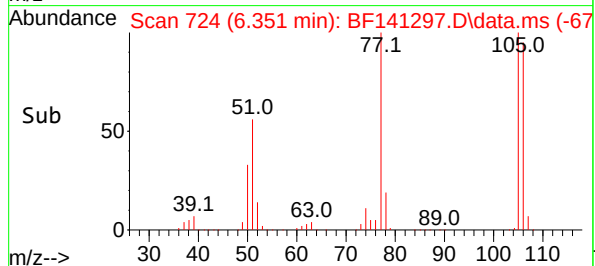
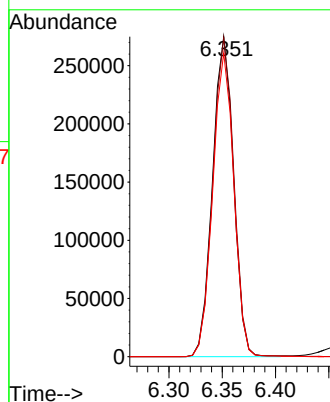
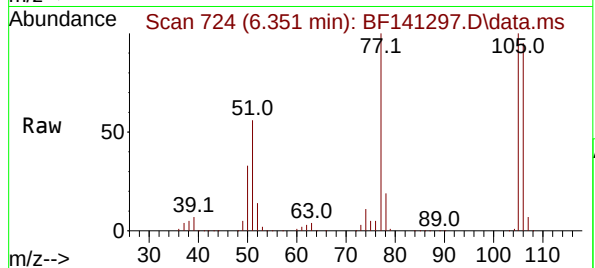
Tgt Ion: 77 Resp: 376227

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

106 94.9 74.6 114.6



#10

Phenol

Concen: 69.411 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

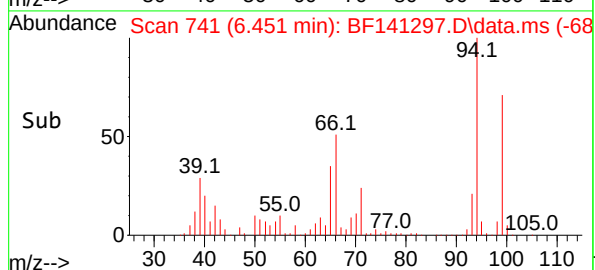
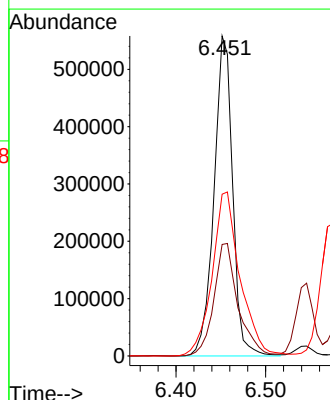
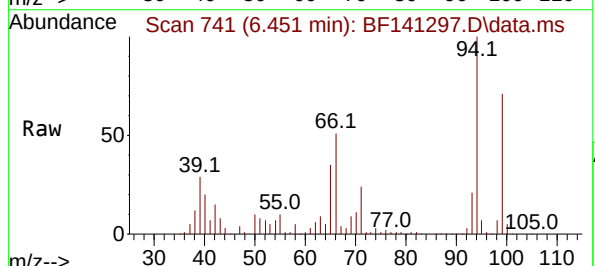
Tgt Ion: 94 Resp: 804078

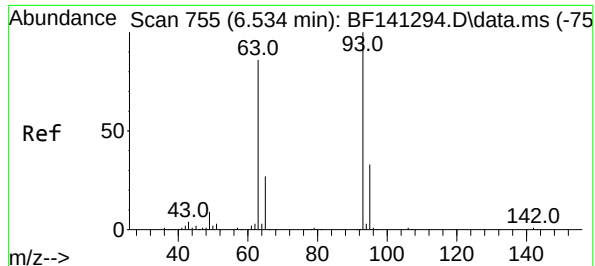
Ion Ratio Lower Upper

94 100

65 34.9 10.8 50.8

66 50.6 23.3 63.3

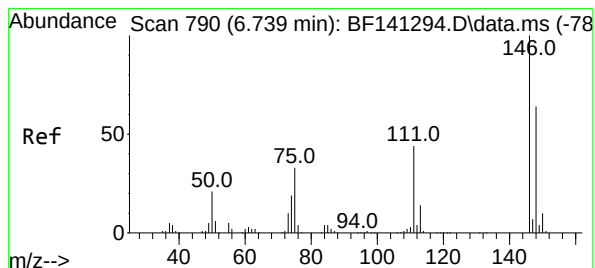
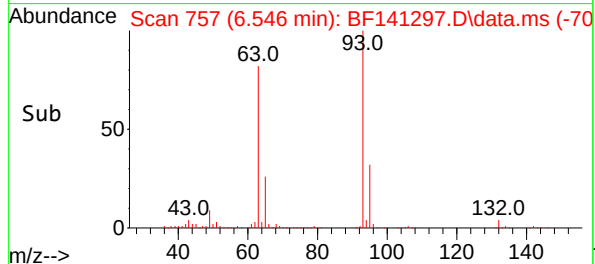
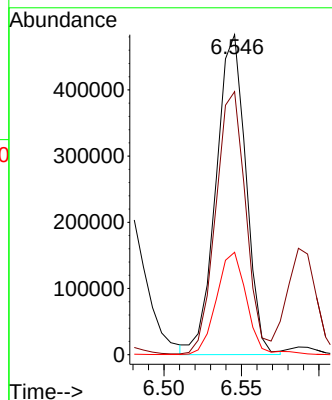
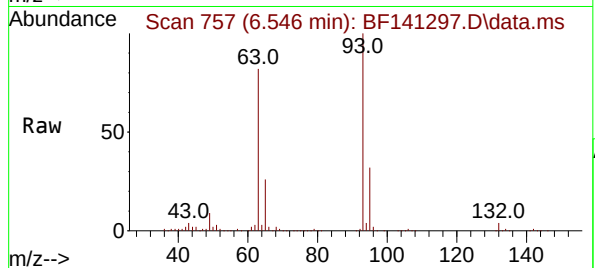




#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 709
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

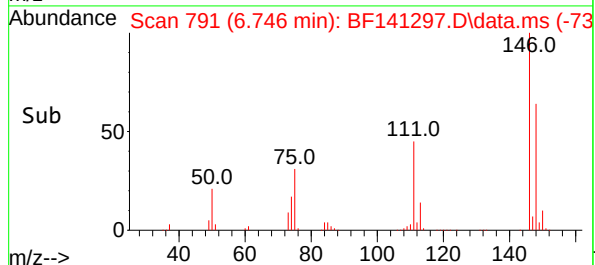
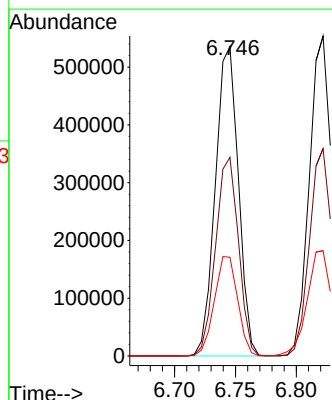
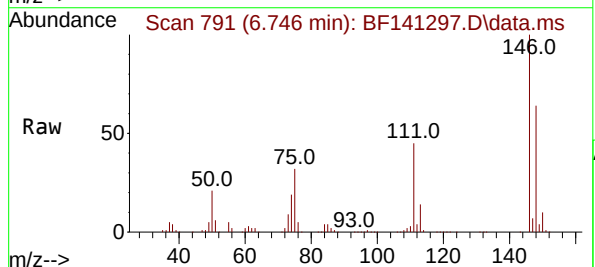
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

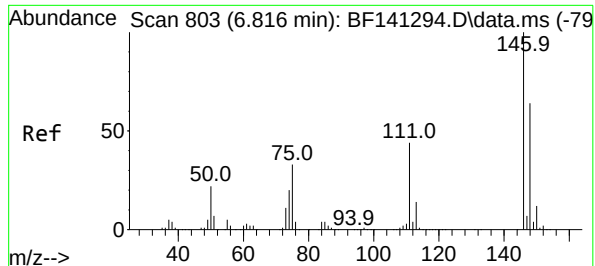
Tgt Ion: 93 Resp: 648287
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 32.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 704973
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 31.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 69.256 ng

RT: 6.822 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

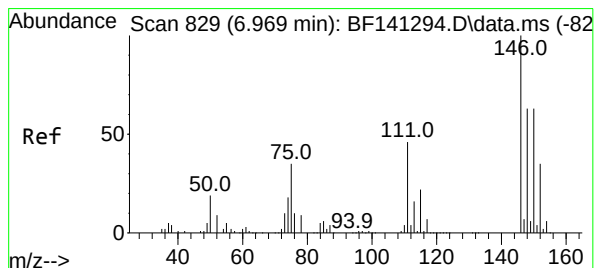
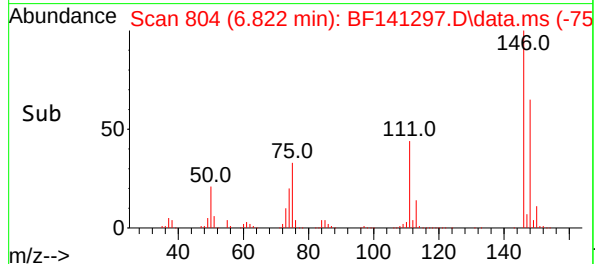
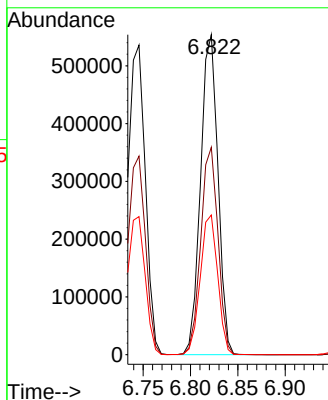
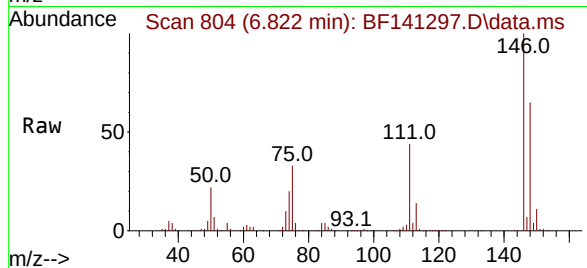
Tgt Ion:146 Resp: 706528

Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

111 43.6 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 66.867 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

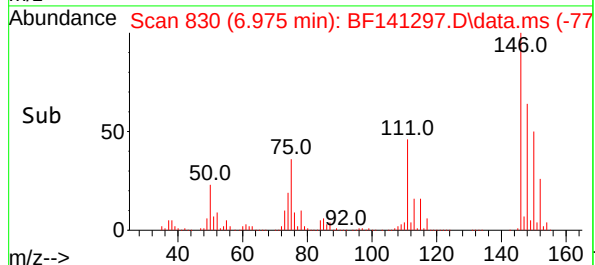
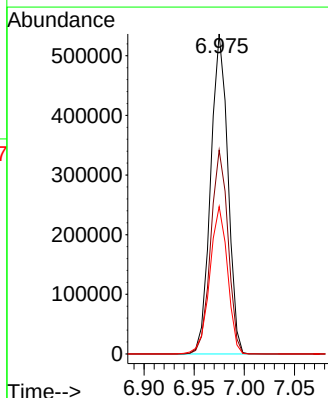
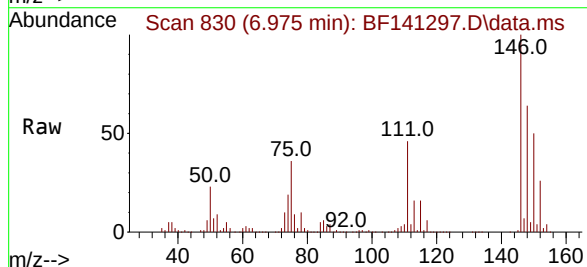
Tgt Ion:146 Resp: 641551

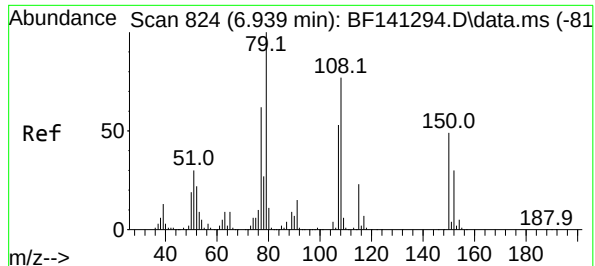
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 46.1 36.6 55.0

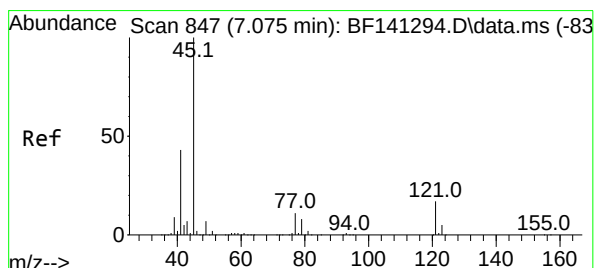
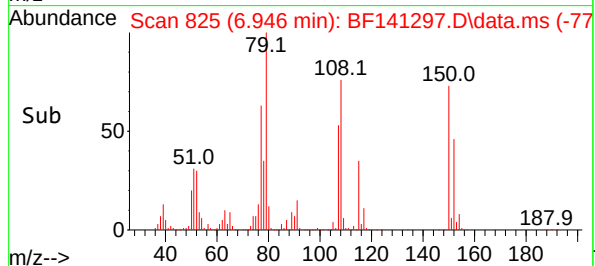
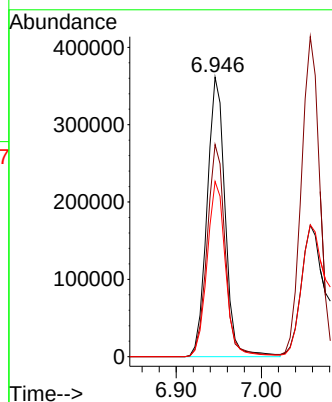
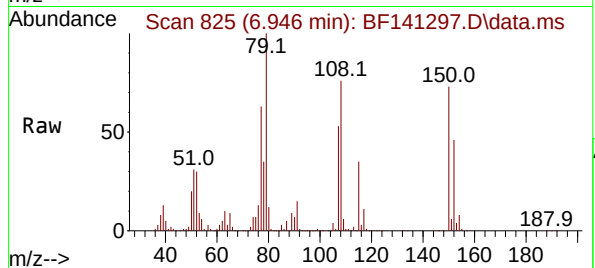




#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

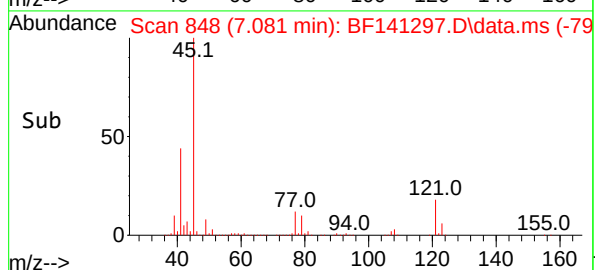
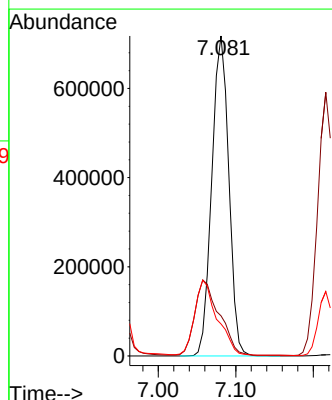
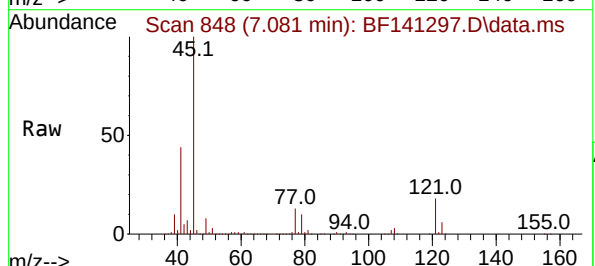
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

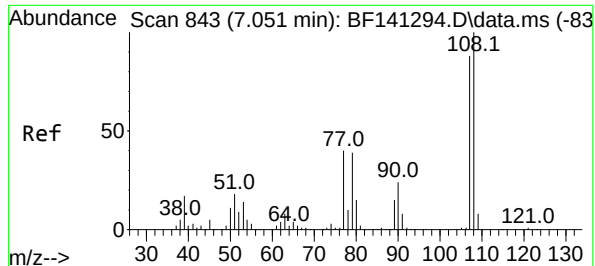
Tgt Ion: 79 Resp: 532270
Ion Ratio Lower Upper
79 100
108 75.9 61.4 92.0
77 62.7 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.8
79 10.0 0.0 29.1

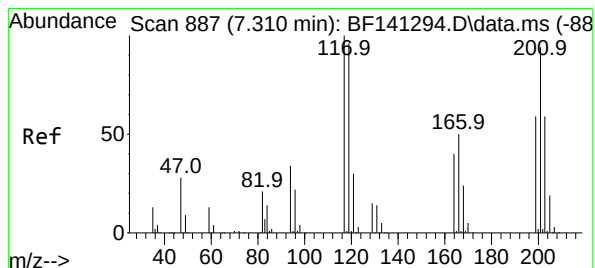
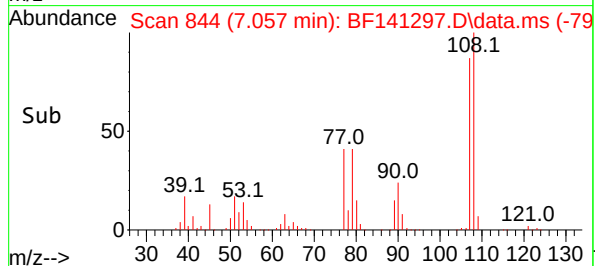
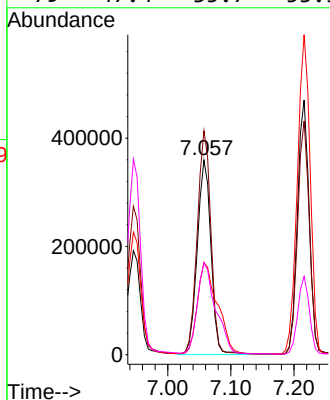
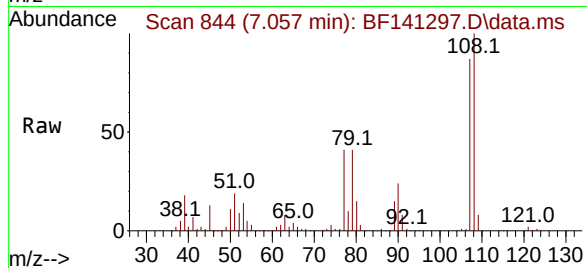




#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

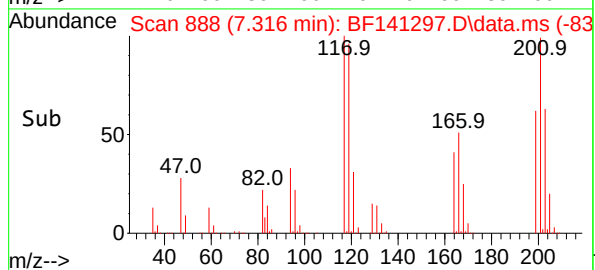
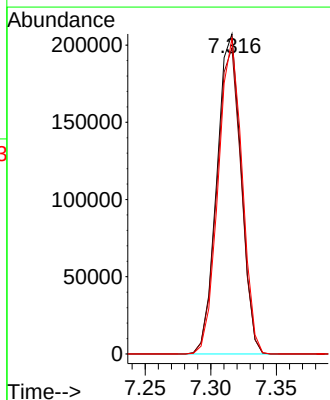
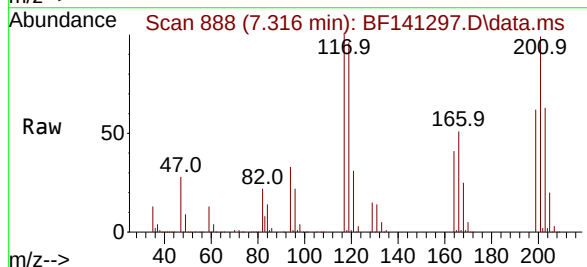
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

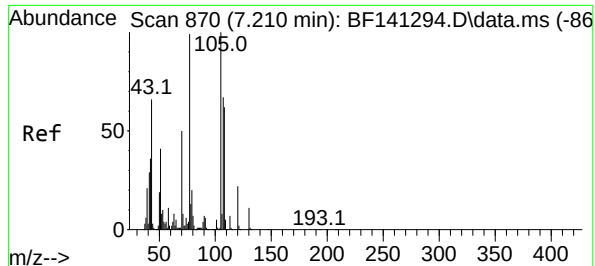
Tgt Ion:107 Resp: 545097
Ion Ratio Lower Upper
107 100
108 115.2 90.8 136.2
77 47.5 36.2 54.4
79 47.4 35.7 53.5



#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
201 98.6 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 69.874 ng

RT: 7.228 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 452303

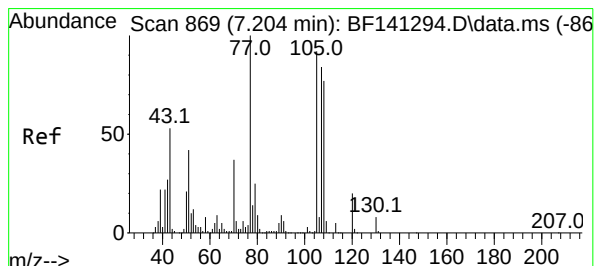
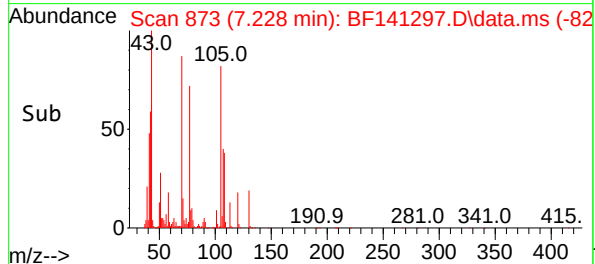
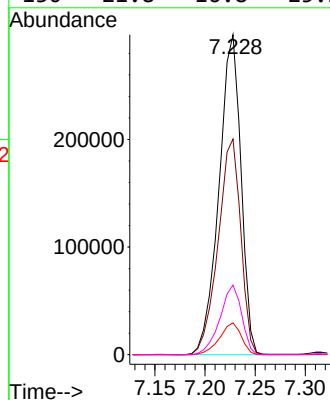
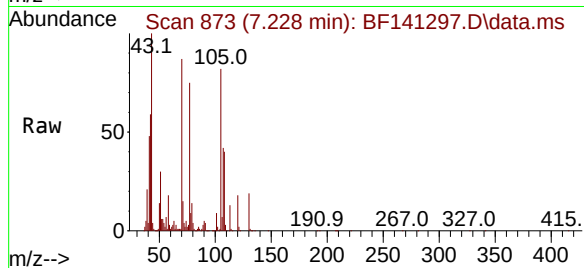
Ion Ratio Lower Upper

70 100

42 67.4 56.8 85.2

101 9.9 7.7 11.5

130 21.8 16.8 25.2



#20

3+4-Methylphenols

Concen: 66.467 ng

RT: 7.216 min Scan# 871

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 107 Resp: 613997

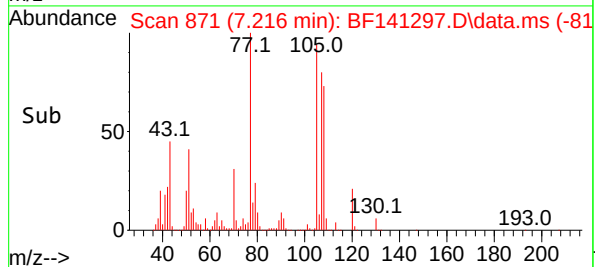
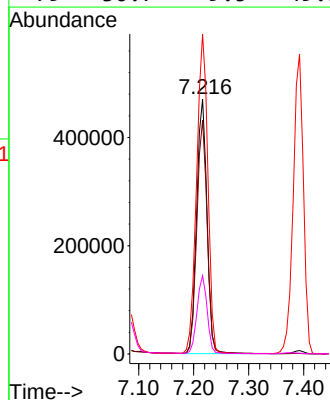
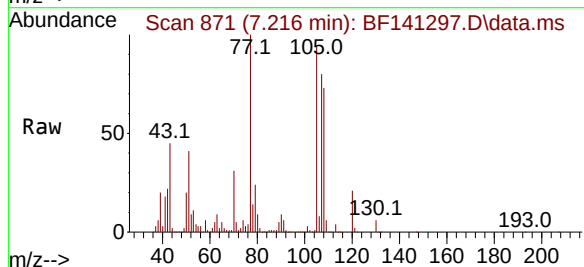
Ion Ratio Lower Upper

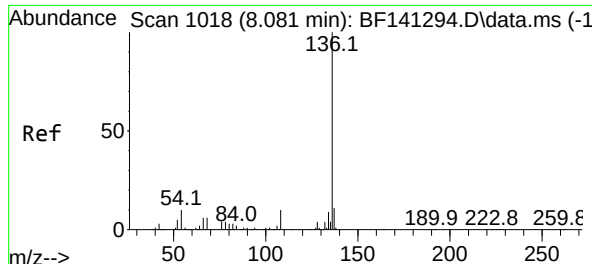
107 100

108 91.8 70.9 110.9

77 125.6 98.5 138.5

79 30.7 9.5 49.5

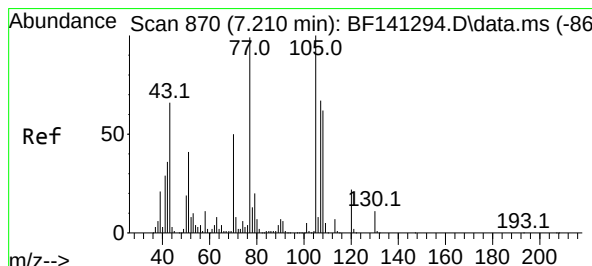
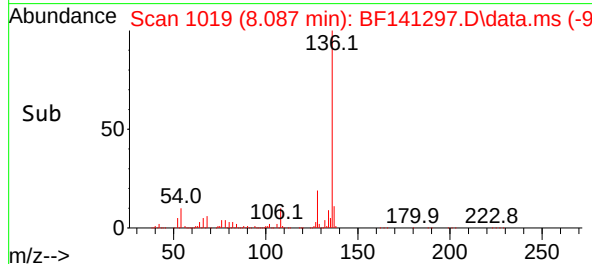
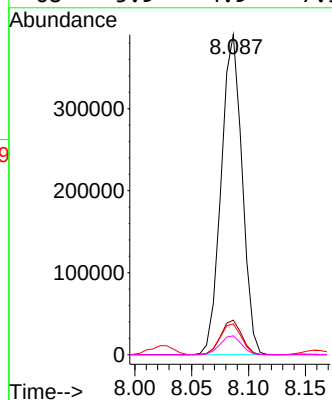
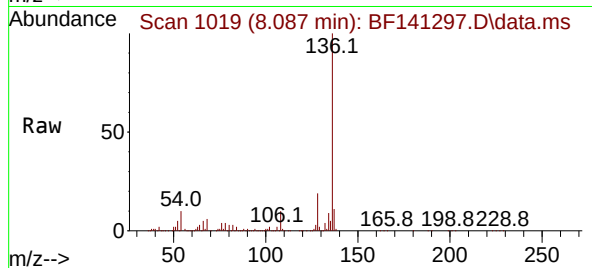




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

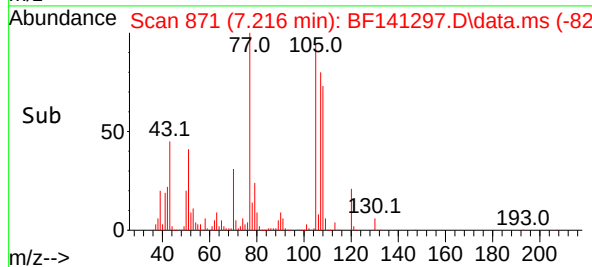
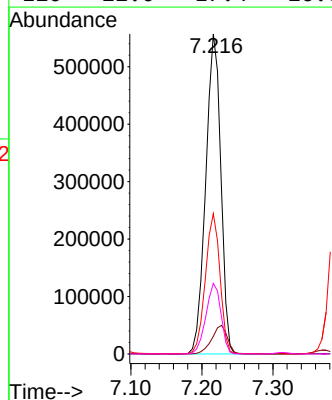
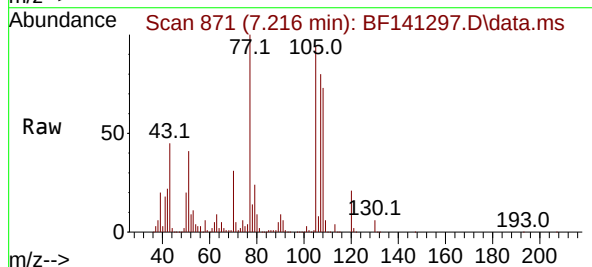
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

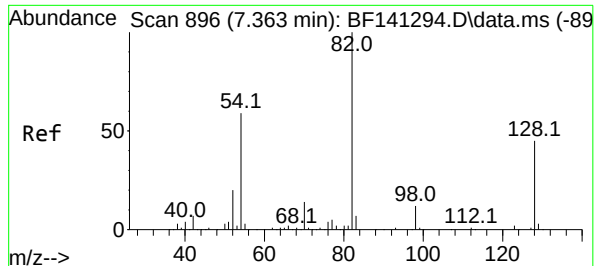
Tgt Ion:136 Resp: 500219
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.6 7.8 11.8
68 5.9 4.9 7.3



#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220
Ion Ratio Lower Upper
105 100
71 5.5 6.8 10.2#
51 43.9 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 145.214 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

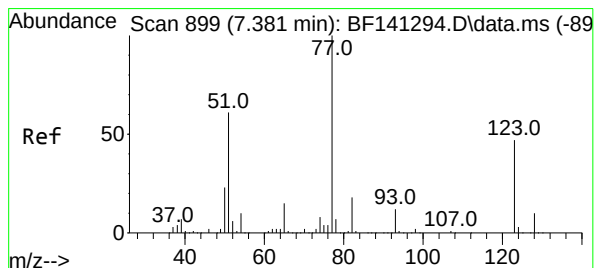
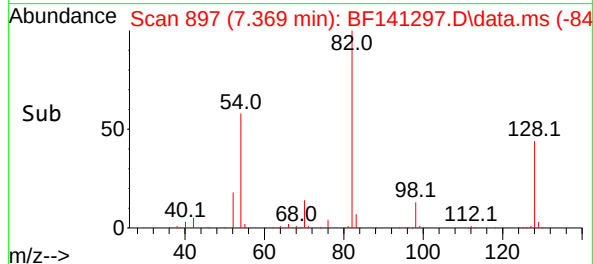
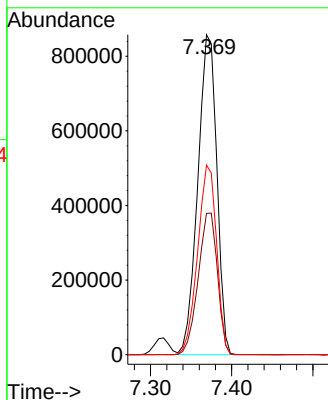
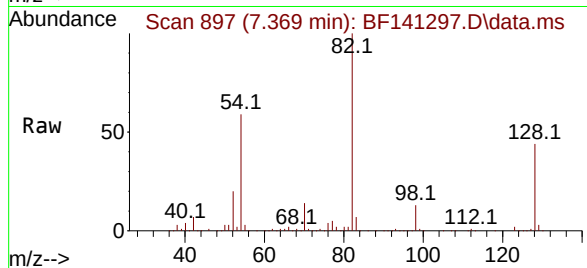
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7



#24

Nitrobenzene

Concen: 71.762 ng

RT: 7.393 min Scan# 901

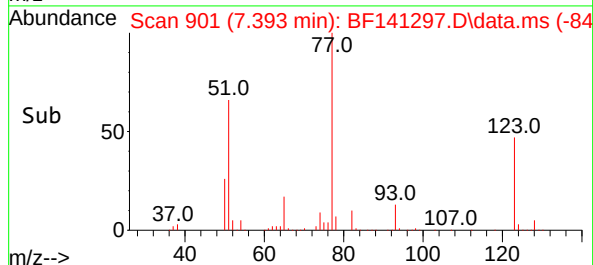
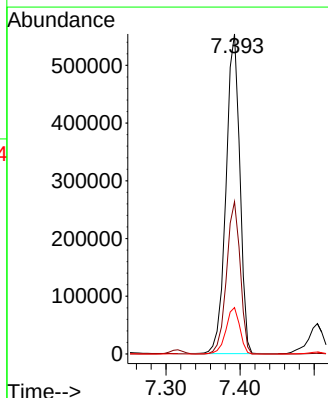
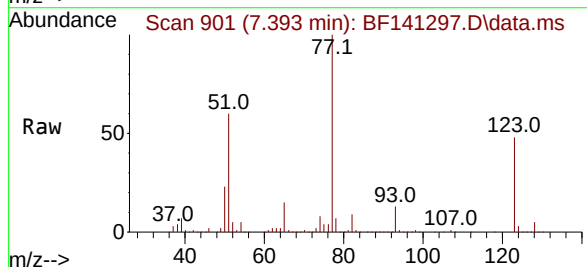
Delta R.T. 0.006 min

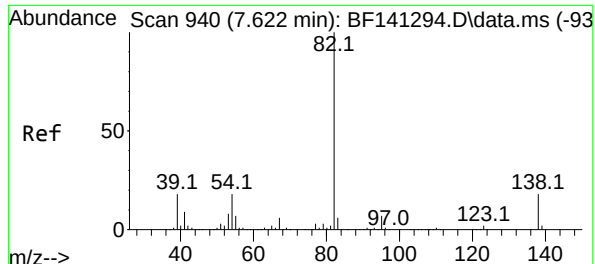
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6





#25

Isophorone

Concen: 74.193 ng

RT: 7.628 min Scan# 941

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

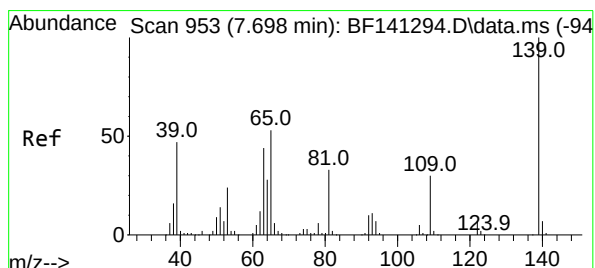
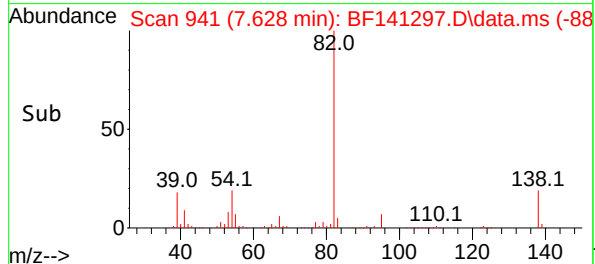
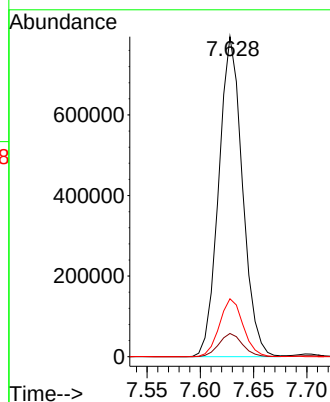
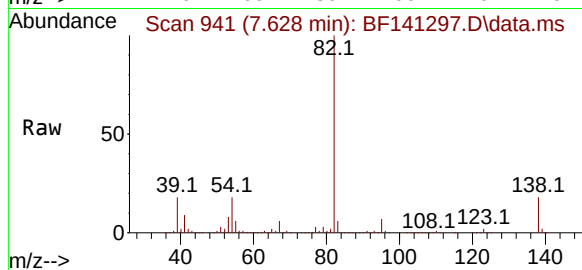
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1229697

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.1	14.7	22.1



#26

2-Nitrophenol

Concen: 76.912 ng

RT: 7.704 min Scan# 954

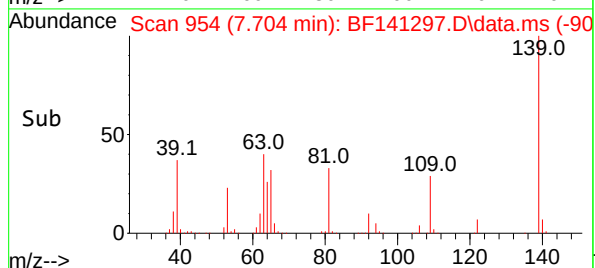
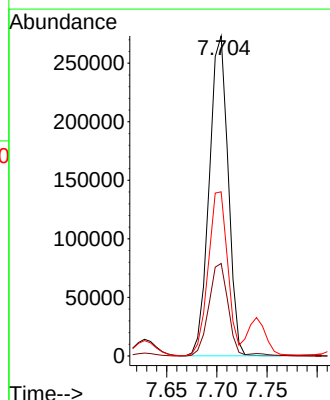
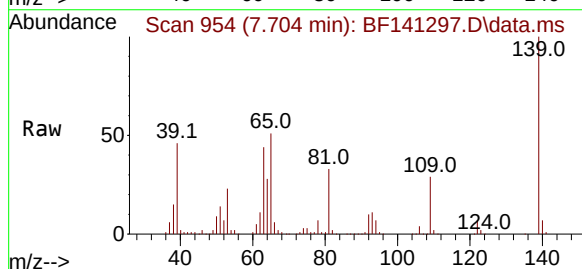
Delta R.T. 0.006 min

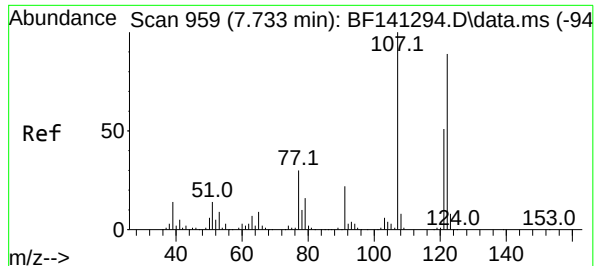
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 139 Resp: 358664

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.3	42.2	63.4





#27

2,4-Dimethylphenol

Concen: 74.779 ng

RT: 7.740 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

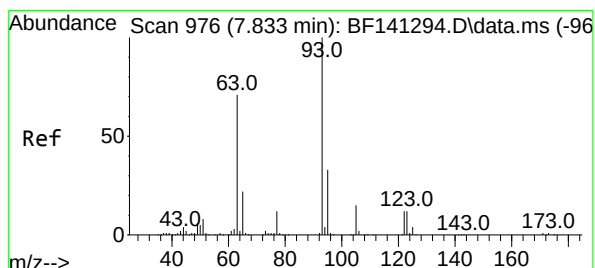
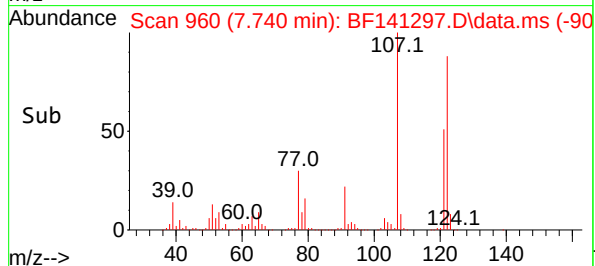
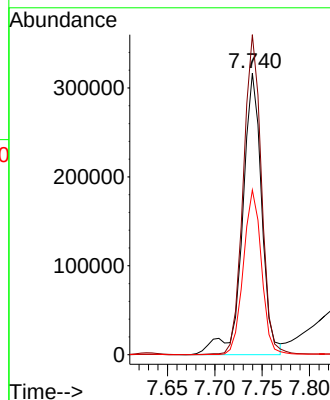
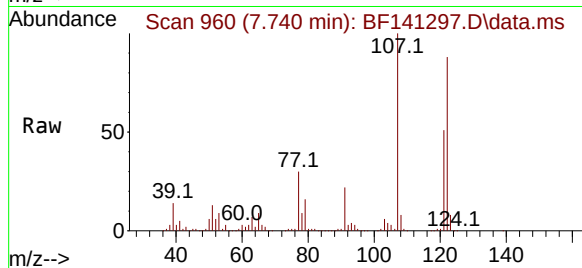
Tgt Ion:122 Resp: 445560

Ion Ratio Lower Upper

122 100

107 113.7 89.9 134.9

121 58.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 72.405 ng

RT: 7.840 min Scan# 977

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

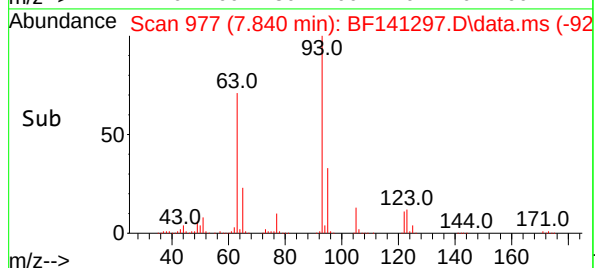
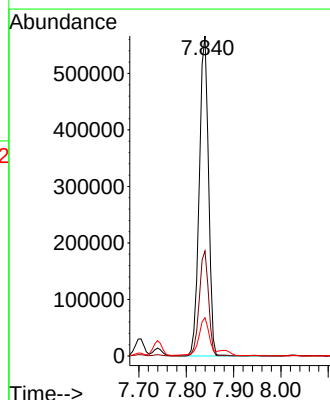
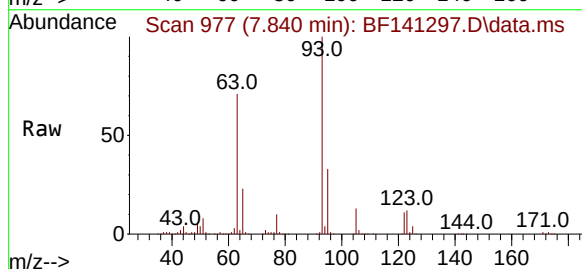
Tgt Ion: 93 Resp: 767960

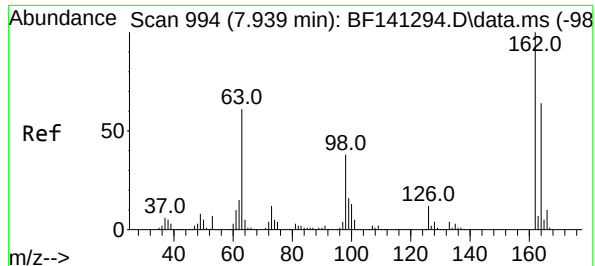
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 12.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 71.573 ng

RT: 7.945 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

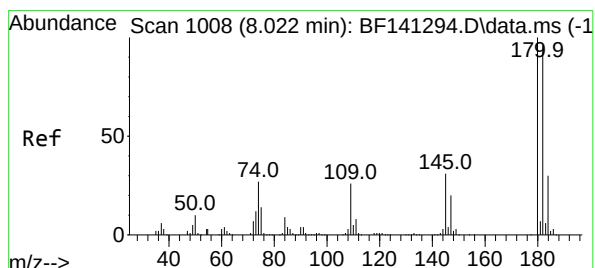
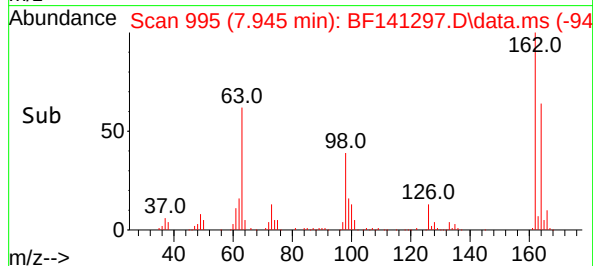
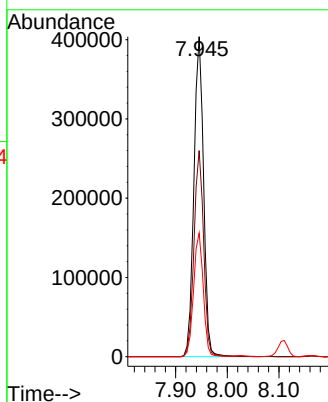
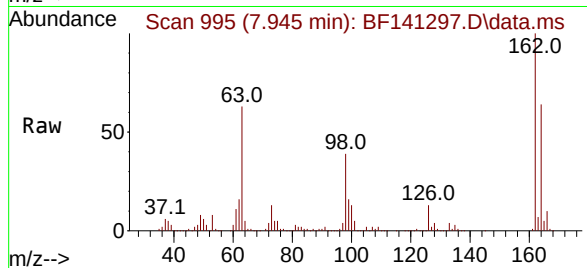
Tgt Ion:162 Resp: 525117

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

98 38.6 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 69.437 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

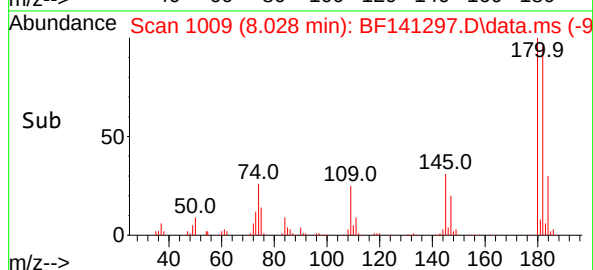
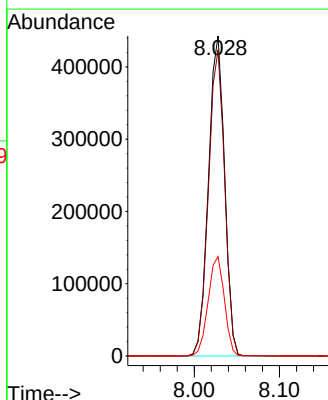
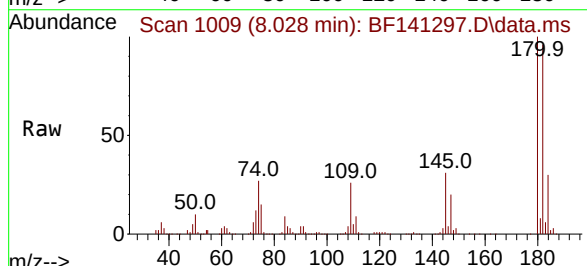
Tgt Ion:180 Resp: 584061

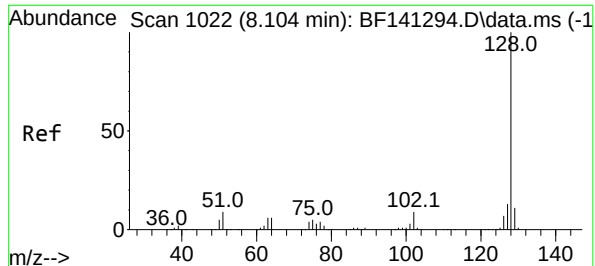
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 68.107 ng

RT: 8.110 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

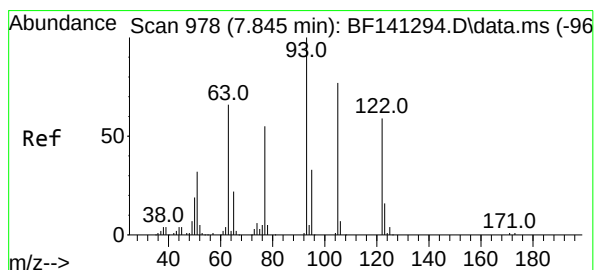
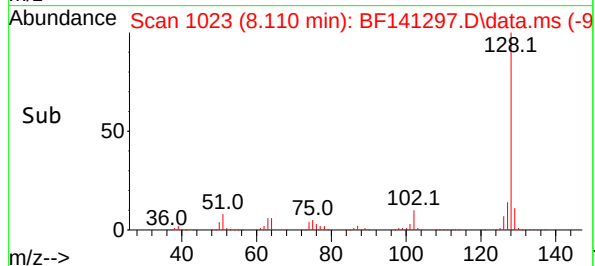
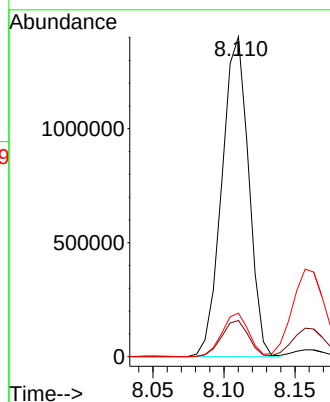
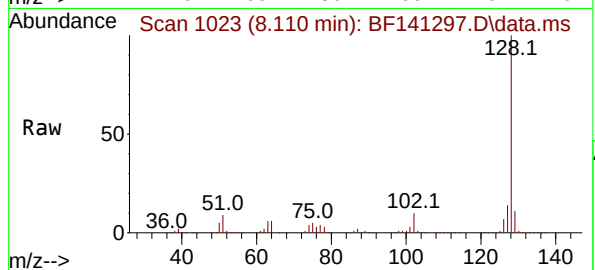
Tgt Ion:128 Resp: 1838789

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.6 10.6 15.8



#32

Benzoic acid

Concen: 91.066 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.018 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

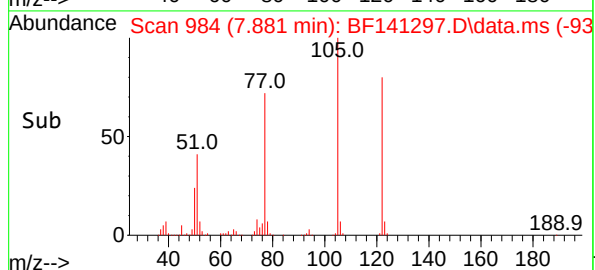
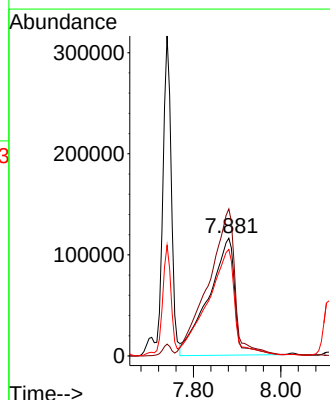
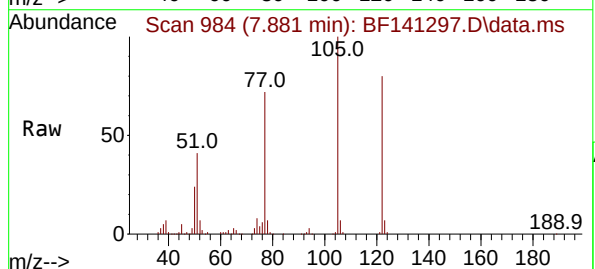
Tgt Ion:122 Resp: 484583

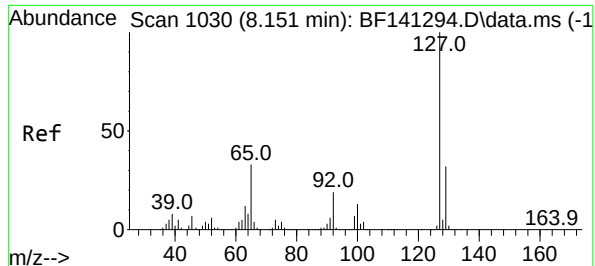
Ion Ratio Lower Upper

122 100

105 124.8 103.4 143.4

77 90.5 70.9 110.9

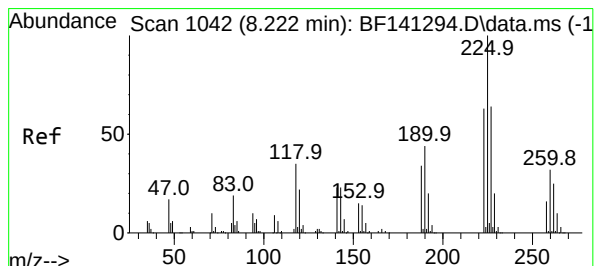
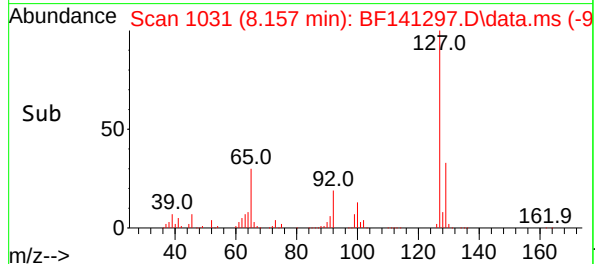
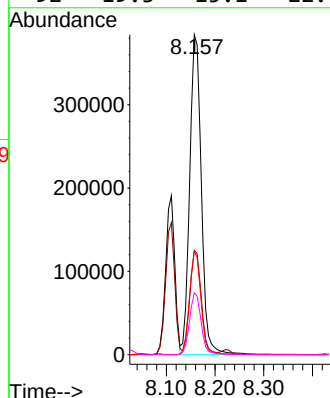
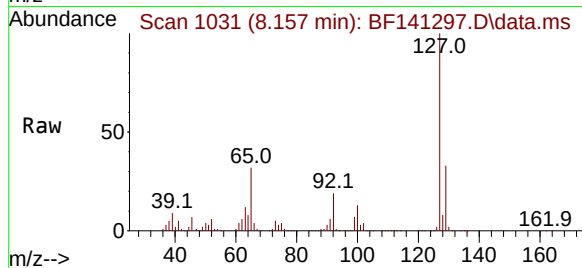




#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

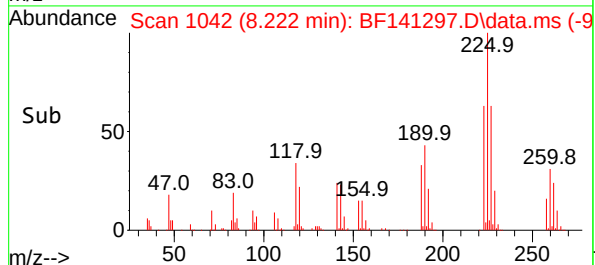
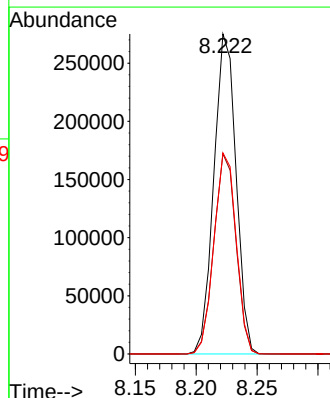
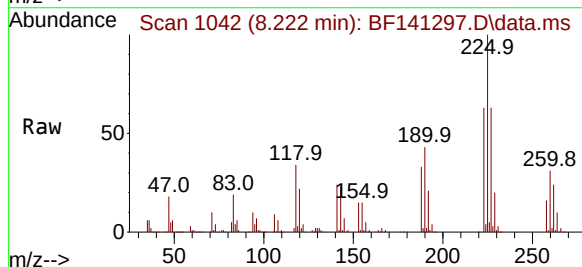
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

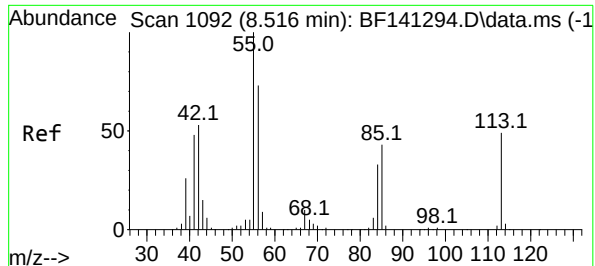
Tgt Ion:127	Resp: 636568
Ion Ratio	Lower Upper
127 100	
129 32.6	25.7 38.5
65 32.4	26.4 39.6
92 19.3	15.1 22.7



#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225	Resp: 348822
Ion Ratio	Lower Upper
225 100	
223 62.5	50.4 75.6
227 62.9	51.3 76.9

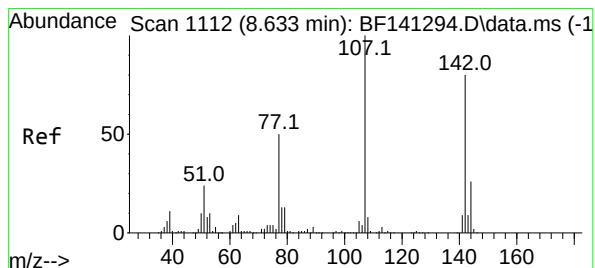
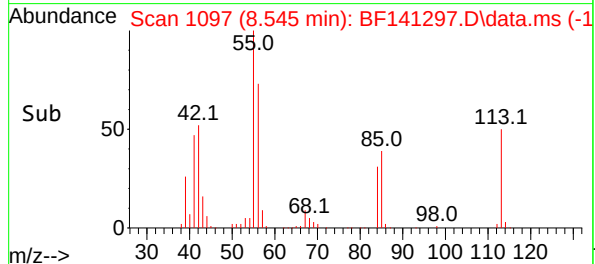
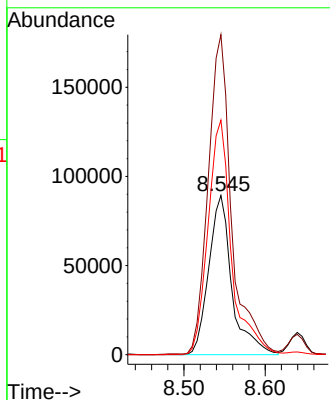
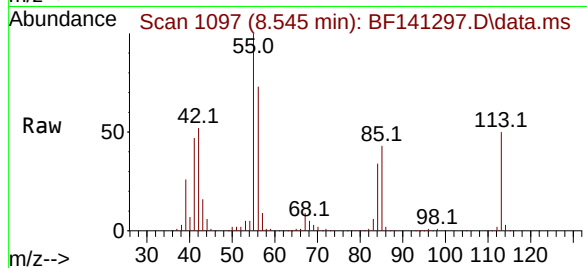




#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

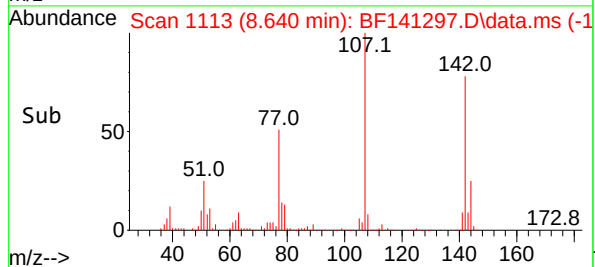
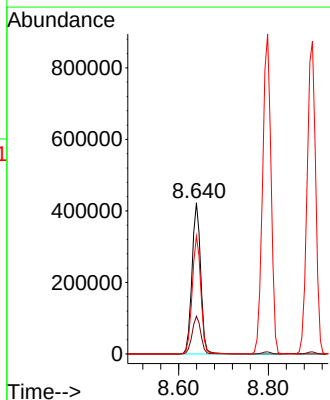
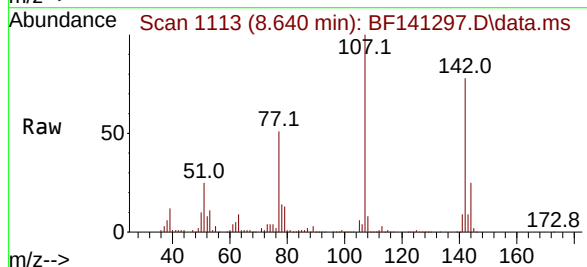
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

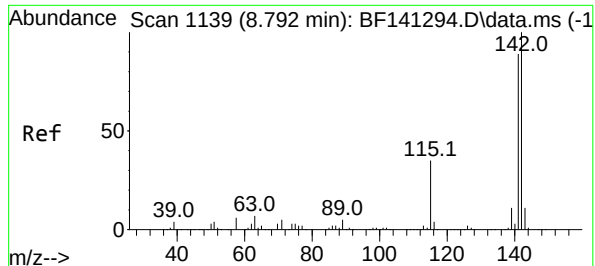
Tgt Ion:113 Resp: 177093
Ion Ratio Lower Upper
113 100
55 201.0 182.9 222.9
56 147.3 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827
Ion Ratio Lower Upper
107 100
144 24.9 20.7 31.1
142 77.9 63.8 95.8





#37

2-Methylnaphthalene

Concen: 67.926 ng

RT: 8.798 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

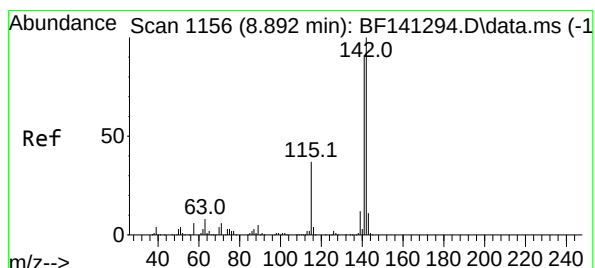
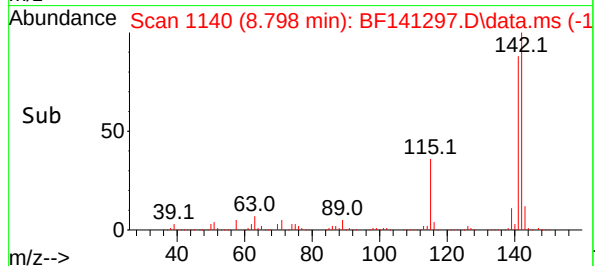
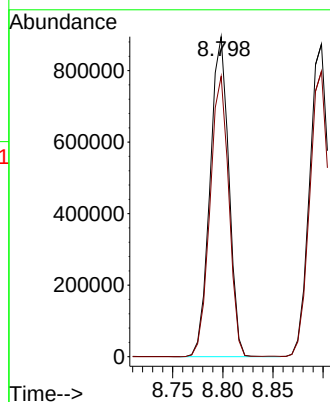
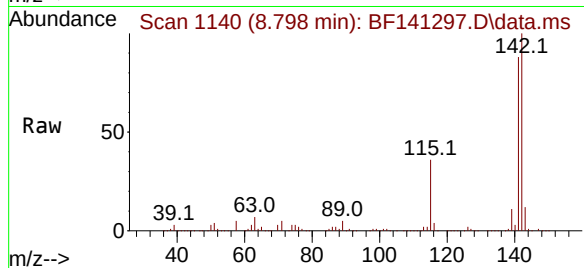
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9



#38

1-Methylnaphthalene

Concen: 67.988 ng

RT: 8.898 min Scan# 1157

Delta R.T. 0.006 min

Lab File: BF141297.D

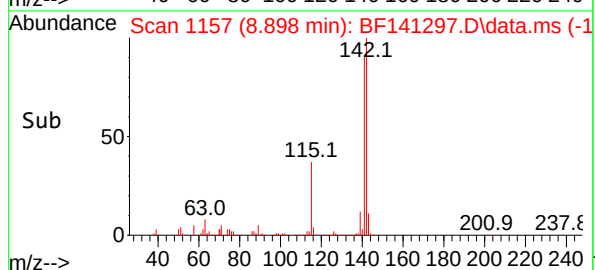
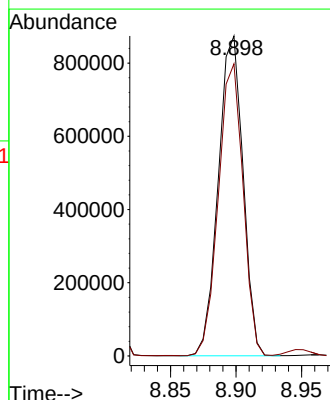
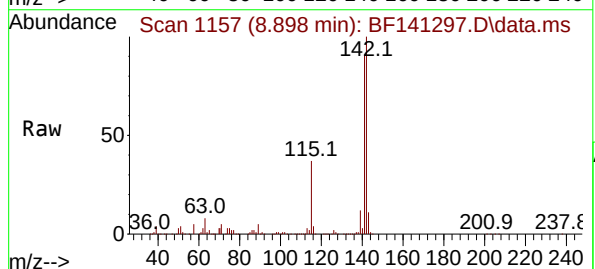
Acq: 29 Jan 2025 17:05

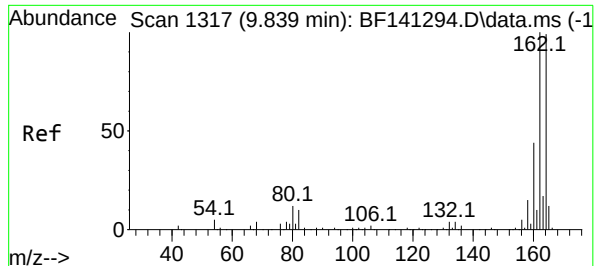
Tgt Ion:142 Resp: 1146275

Ion Ratio Lower Upper

142 100

141 91.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

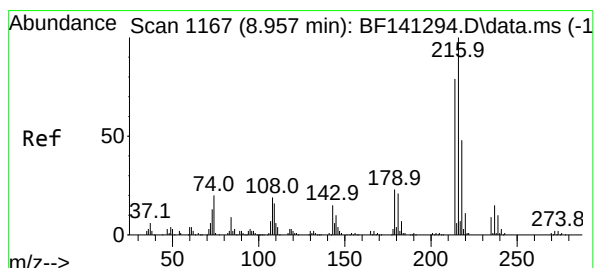
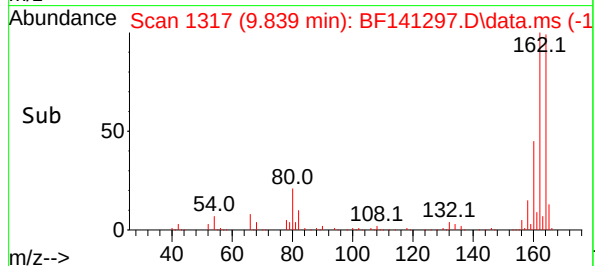
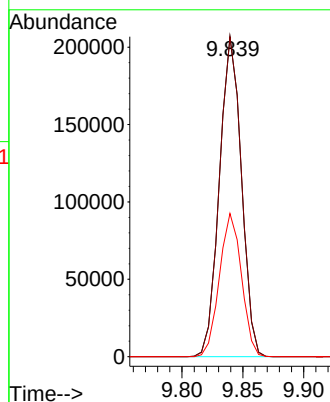
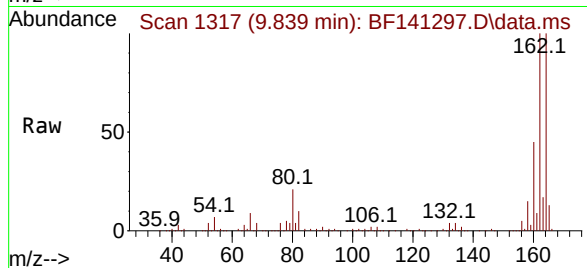
Tgt Ion:164 Resp: 259556

Ion Ratio Lower Upper

164 100

162 99.9 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 70.756 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

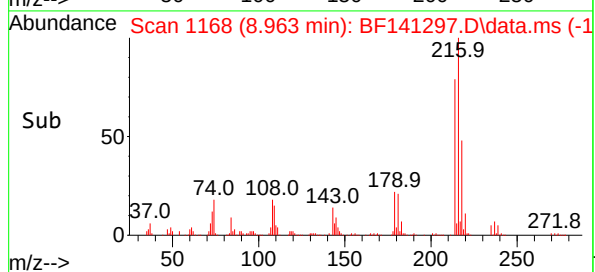
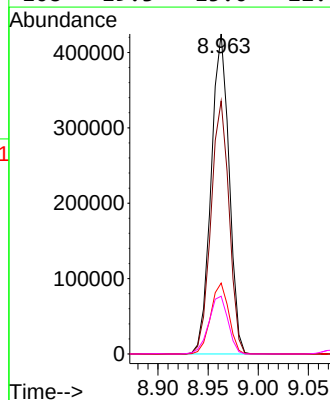
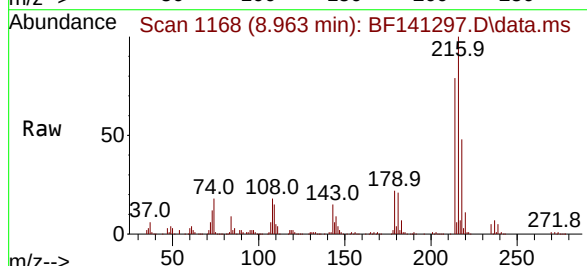
Ion Ratio Lower Upper

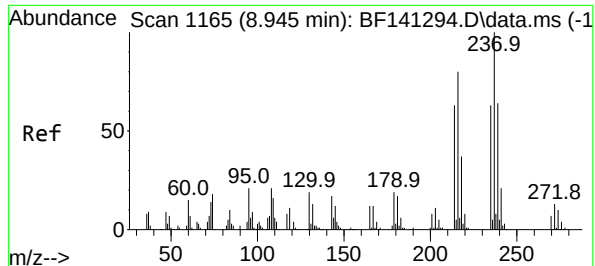
216 100

214 79.2 63.2 94.8

179 22.3 17.8 26.8

108 19.3 15.0 22.6

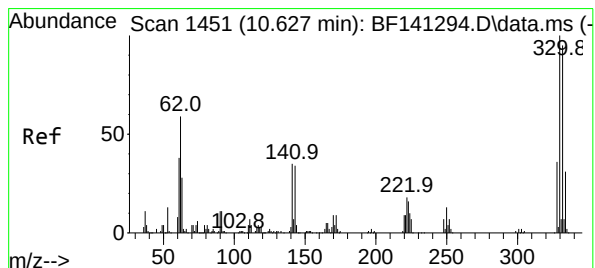
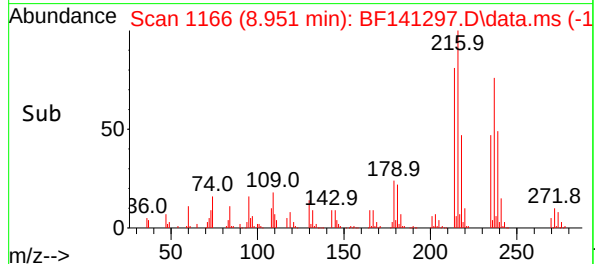
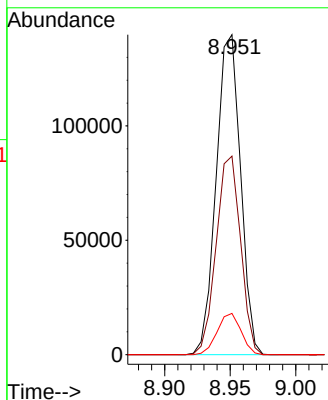
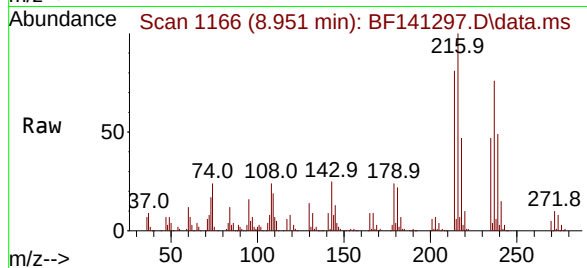




#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

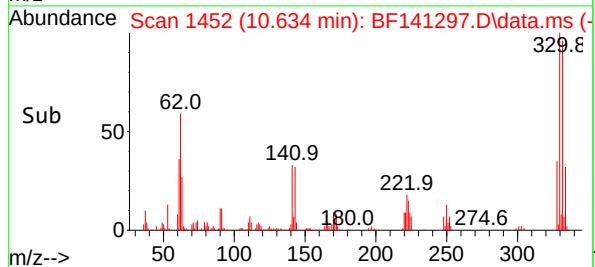
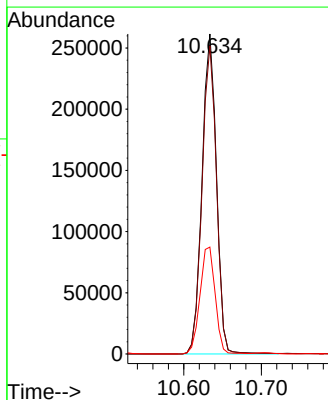
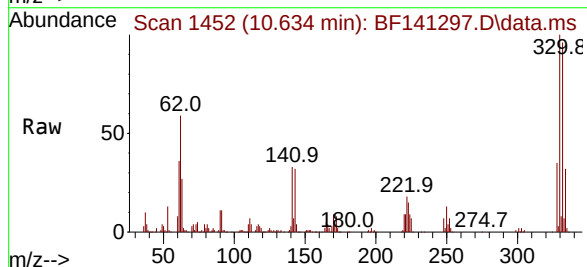
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

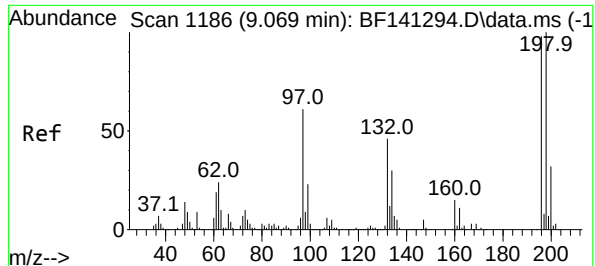
Tgt Ion:237 Resp: 180658
Ion Ratio Lower Upper
237 100
235 62.0 42.9 82.9
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 73.727 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141297.D

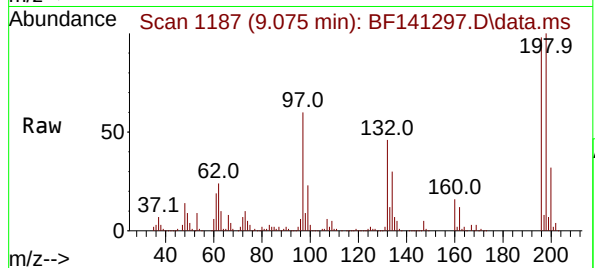
Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



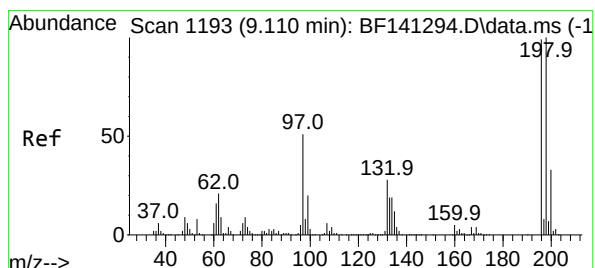
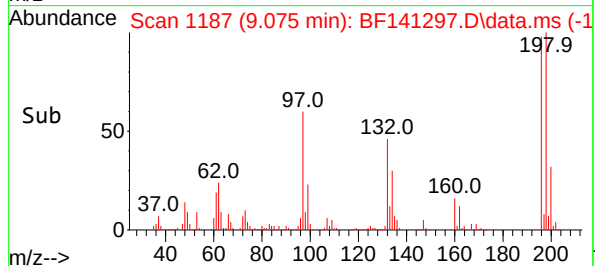
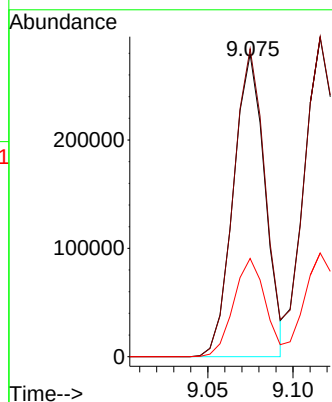
Tgt Ion:196 Resp: 360370

Ion Ratio Lower Upper

196 100

198 101.8 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 74.958 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

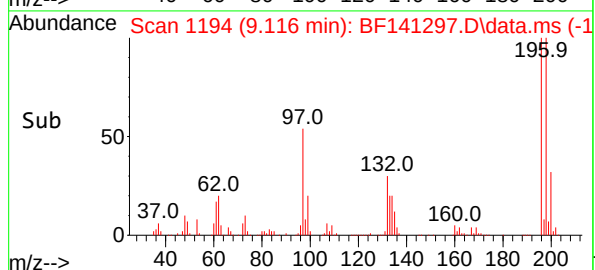
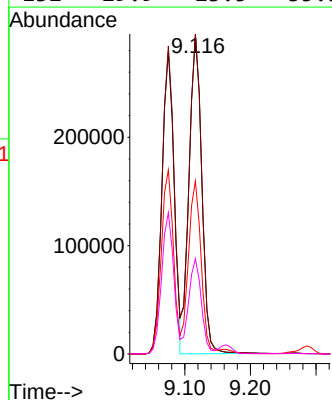
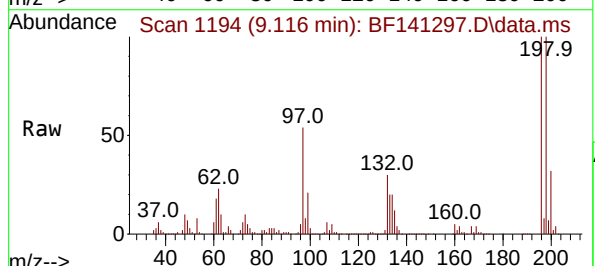
Ion Ratio Lower Upper

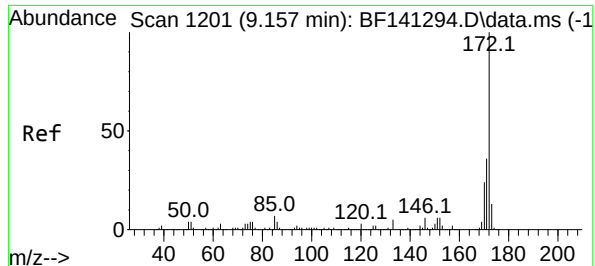
196 100

198 100.3 80.5 120.7

97 54.2 42.8 64.2

132 29.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 129.739 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

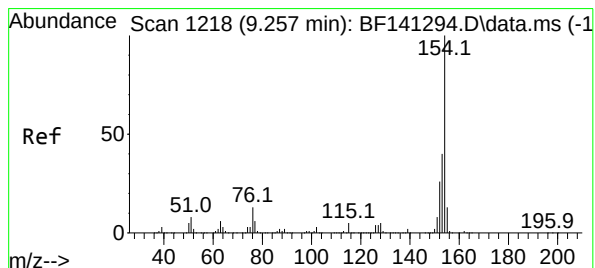
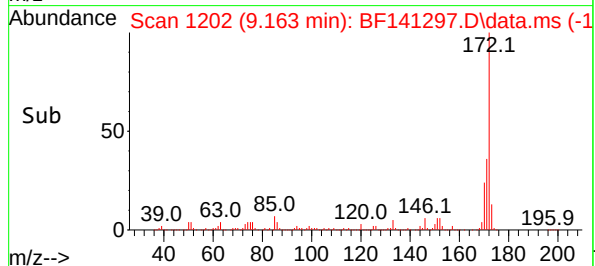
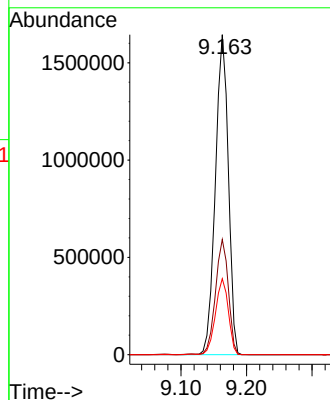
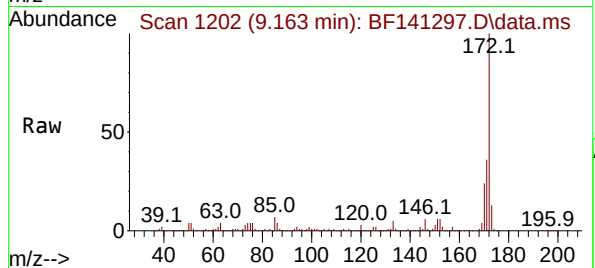
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 2248567

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.7	19.0	28.6



#46

1,1'-Biphenyl

Concen: 68.298 ng

RT: 9.263 min Scan# 1219

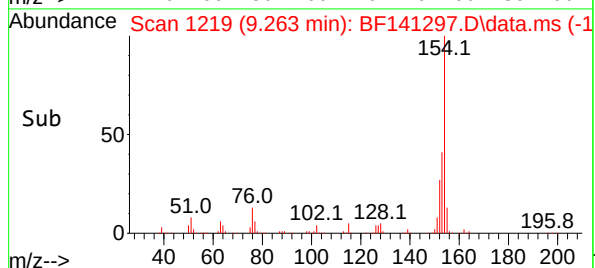
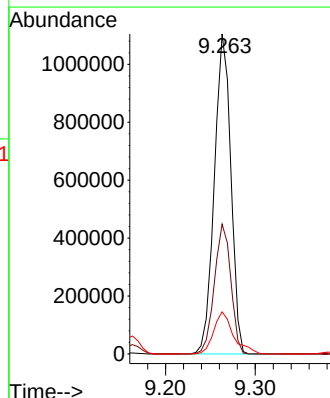
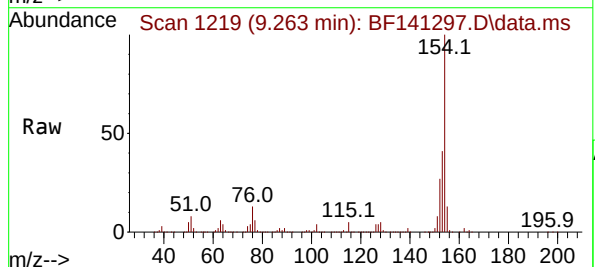
Delta R.T. 0.000 min

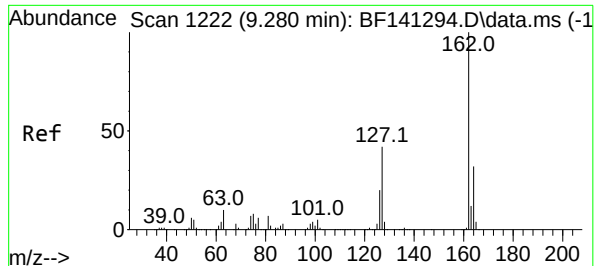
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1412015

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8





#47

2-Chloronaphthalene

Concen: 69.578 ng

RT: 9.287 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

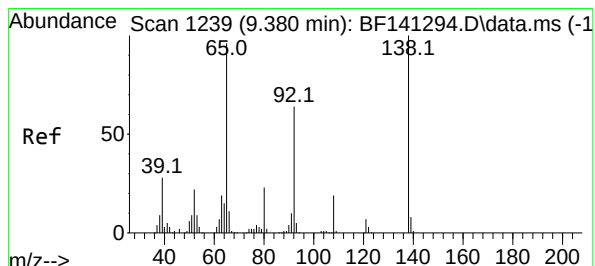
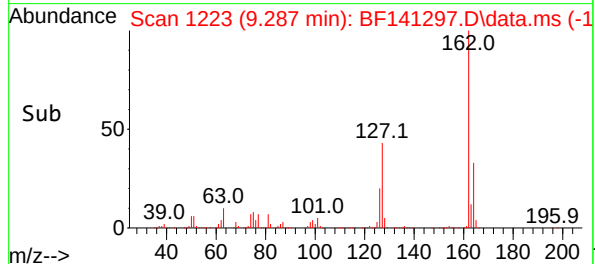
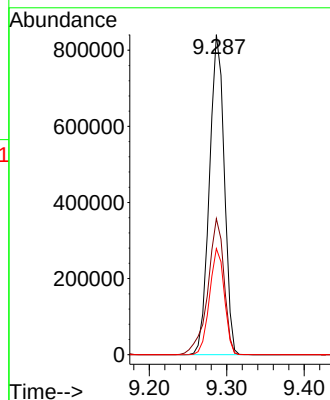
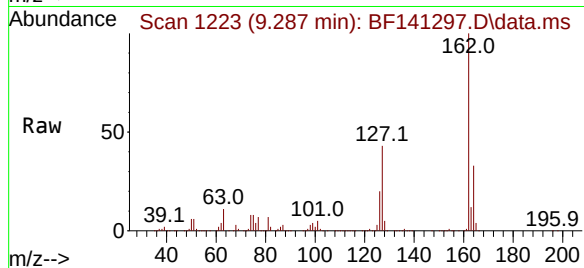
Tgt Ion:162 Resp: 1118593

Ion Ratio Lower Upper

162 100

127 42.5 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 75.652 ng

RT: 9.381 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

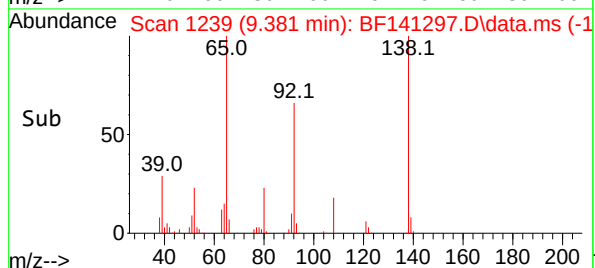
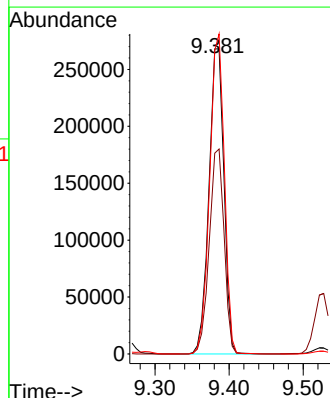
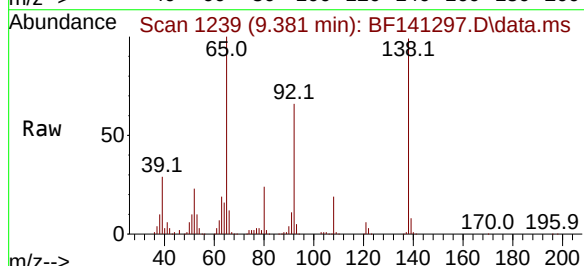
Tgt Ion: 65 Resp: 378379

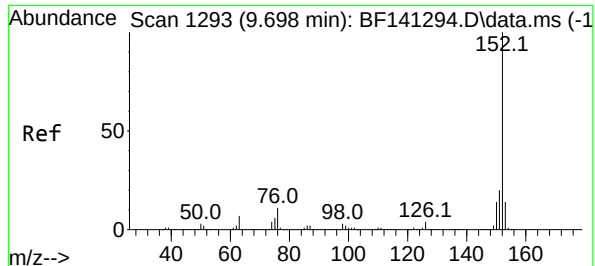
Ion Ratio Lower Upper

65 100

92 65.8 53.3 79.9

138 99.5 83.6 125.4





#49

Acenaphthylene

Concen: 68.901 ng

RT: 9.704 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

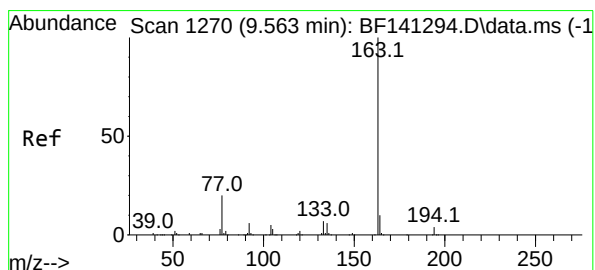
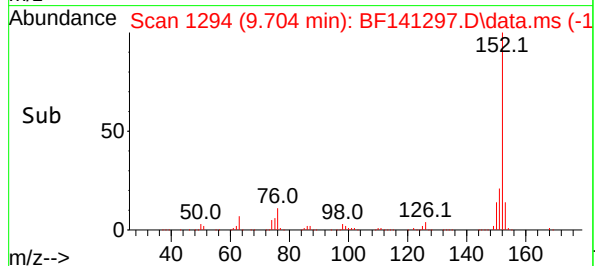
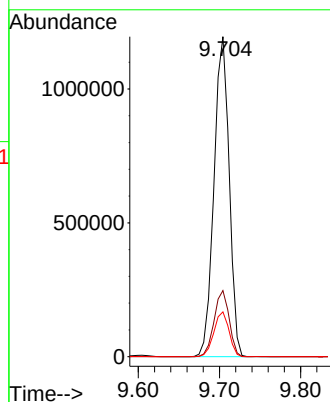
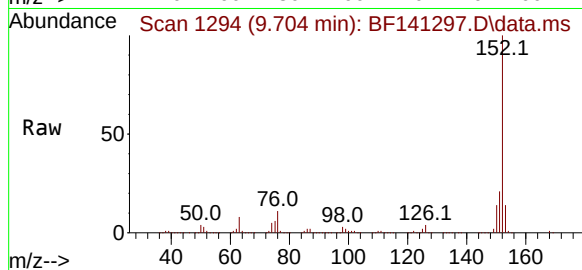
Tgt Ion:152 Resp: 1552508

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.2

153 14.0 11.0 16.6



#50

Dimethylphthalate

Concen: 71.308 ng

RT: 9.569 min Scan# 1271

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

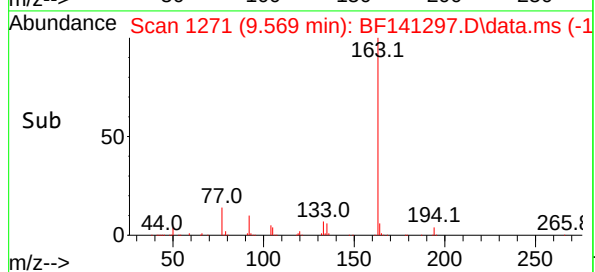
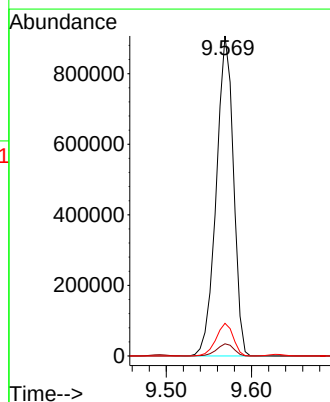
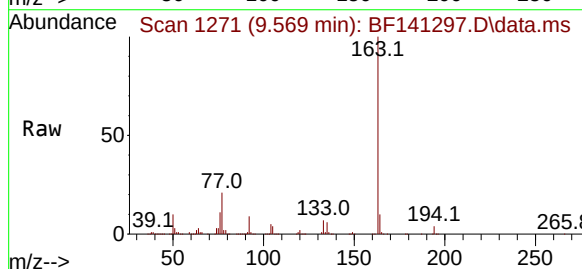
Tgt Ion:163 Resp: 1269770

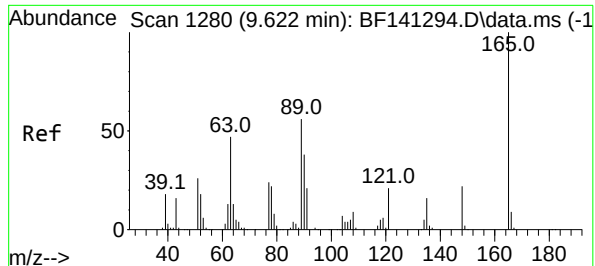
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.2 8.0 12.0

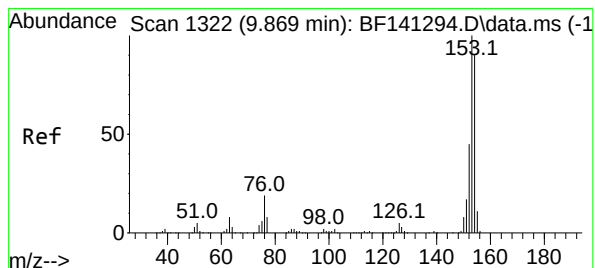
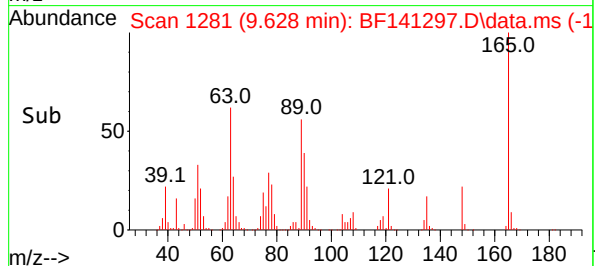
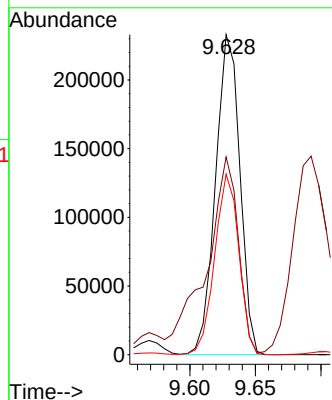
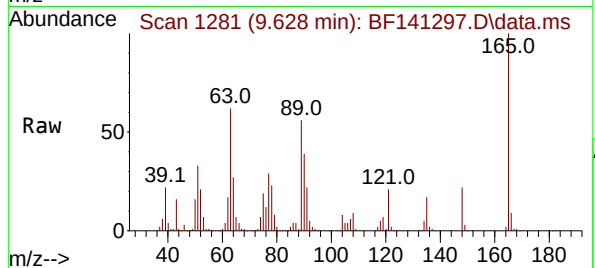




#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

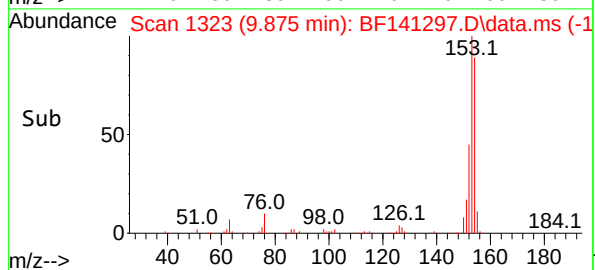
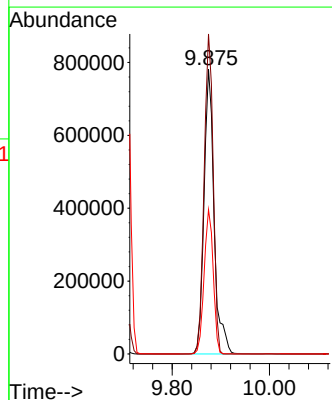
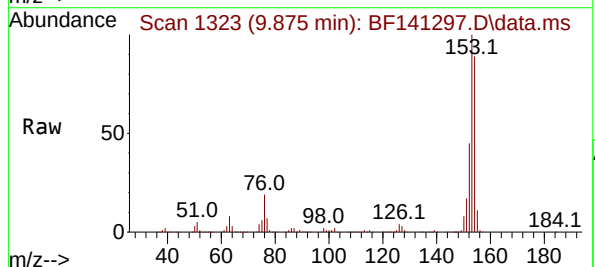
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

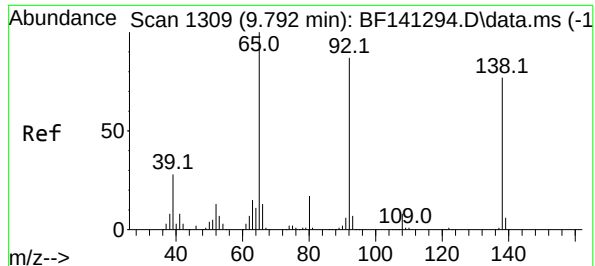
Tgt Ion:165 Resp: 300867
Ion Ratio Lower Upper
165 100
63 61.8 48.1 72.1
89 56.4 44.9 67.3



#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 50.7 40.2 60.4

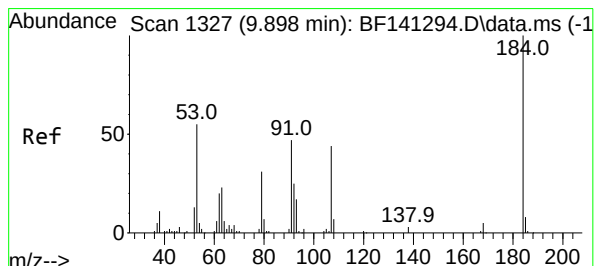
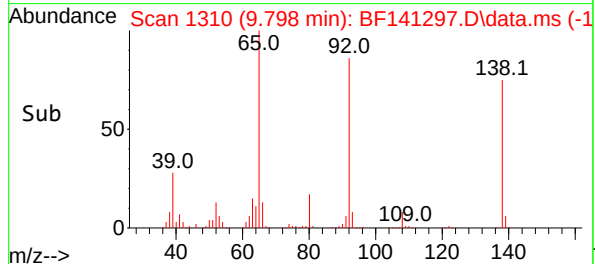
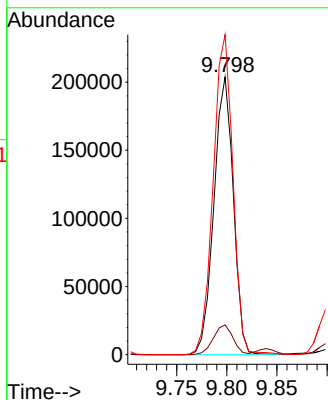
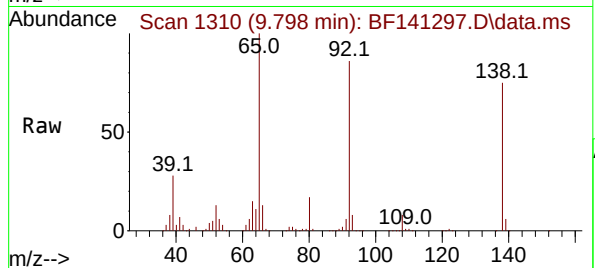




#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

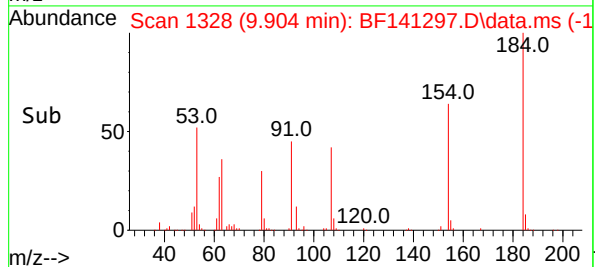
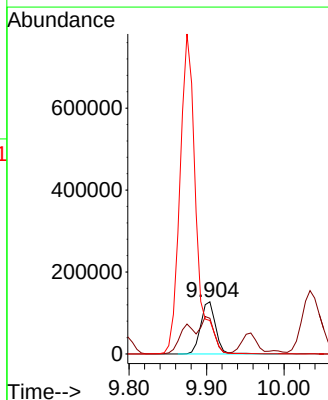
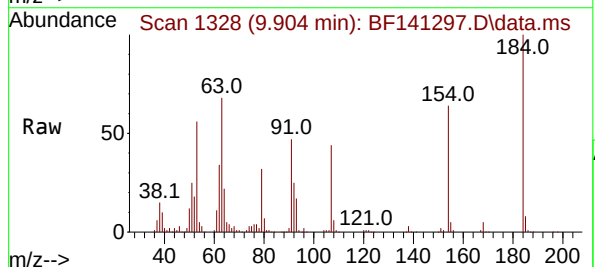
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

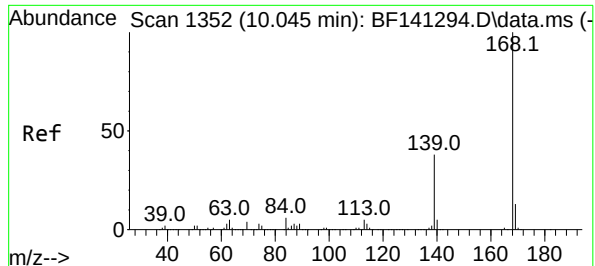
Tgt Ion:138 Resp: 274410
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946
Ion Ratio Lower Upper
184 100
63 68.3 54.1 81.1
154 64.0 50.7 76.1





#55

Dibenzenofuran

Concen: 67.158 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

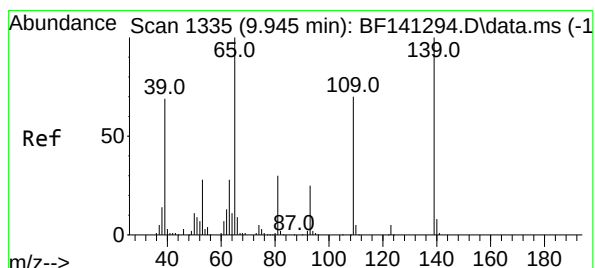
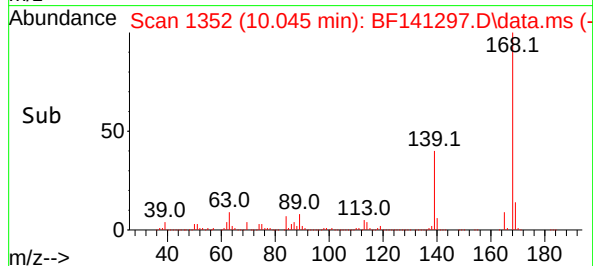
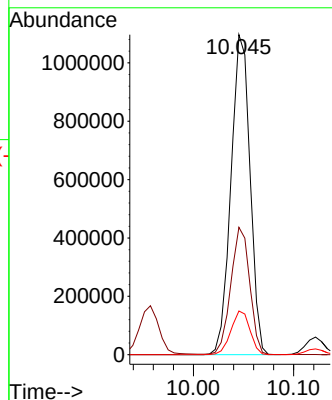
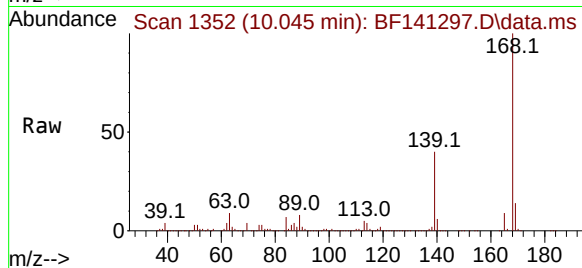
Tgt Ion:168 Resp: 1451668

Ion Ratio Lower Upper

168 100

139 39.8 30.6 46.0

169 13.7 10.8 16.2



#56

4-Nitrophenol

Concen: 78.788 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

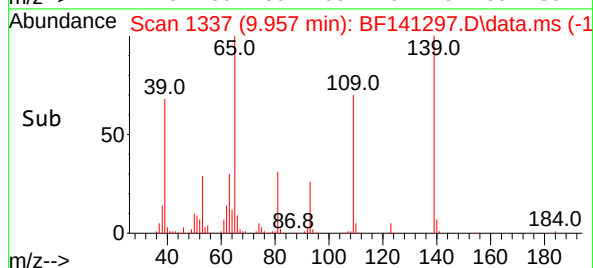
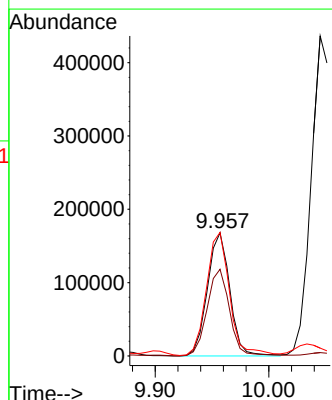
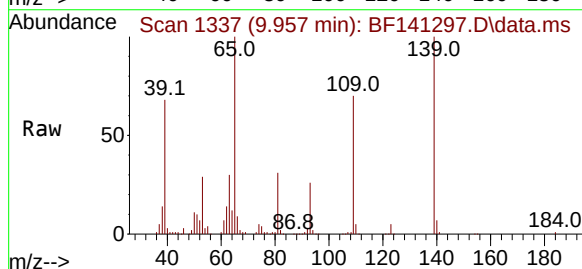
Tgt Ion:139 Resp: 230369

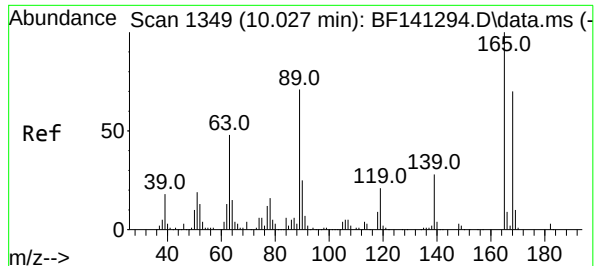
Ion Ratio Lower Upper

139 100

109 70.4 50.2 90.2

65 100.3 80.6 120.6

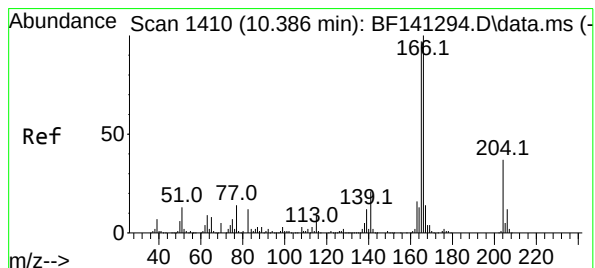
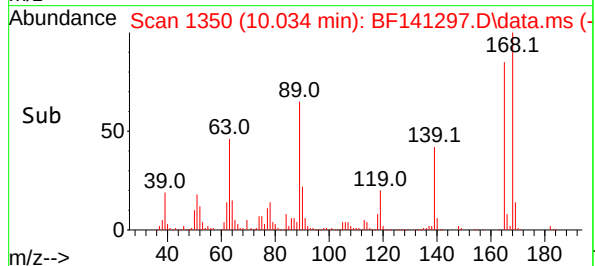
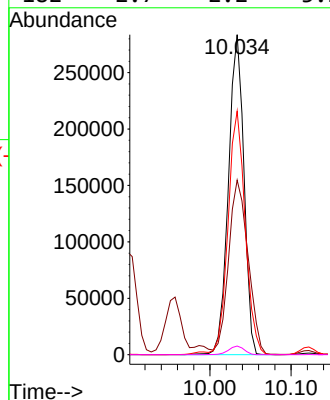
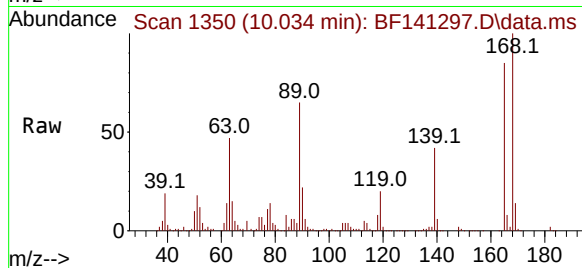




#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

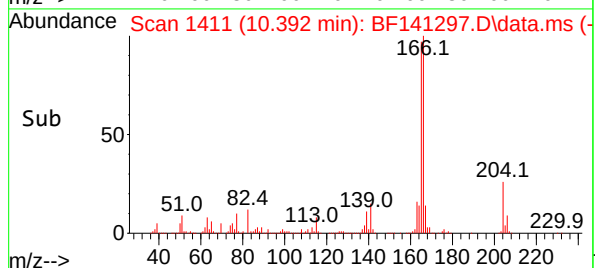
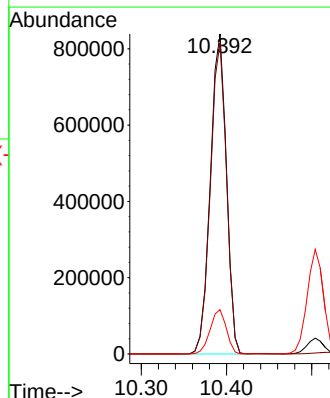
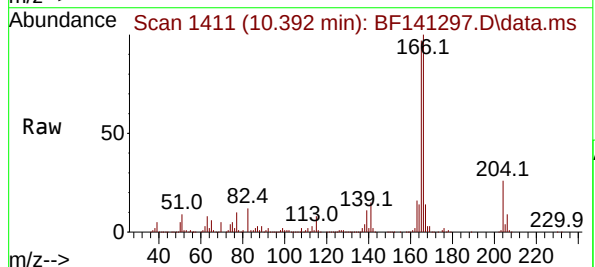
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

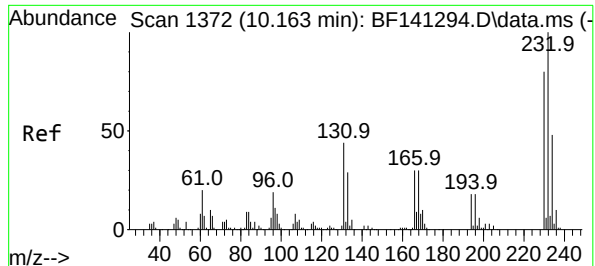
Tgt Ion:165 Resp: 375659
Ion Ratio Lower Upper
165 100
63 54.5 39.2 58.8
89 76.1 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 13.9 10.9 16.3

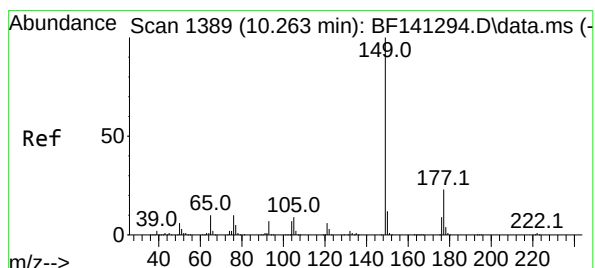
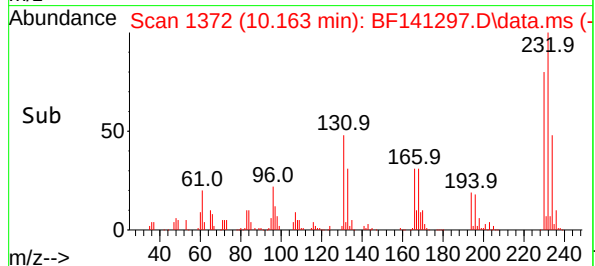
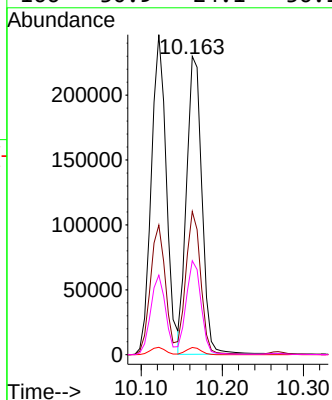
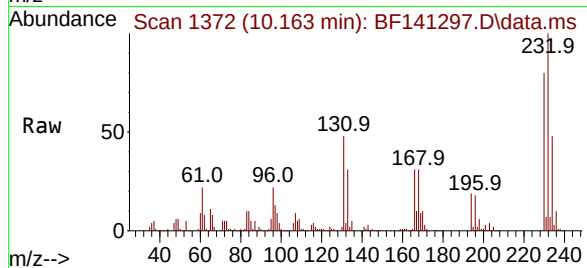




#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

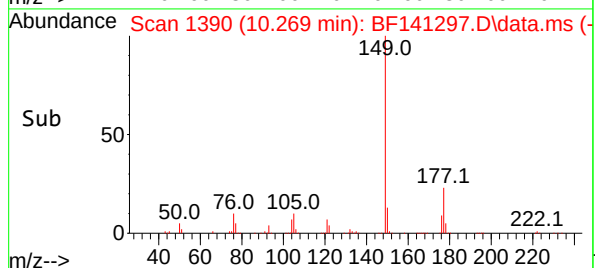
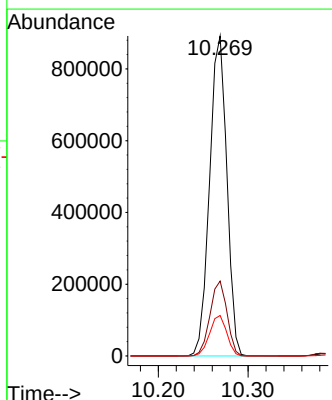
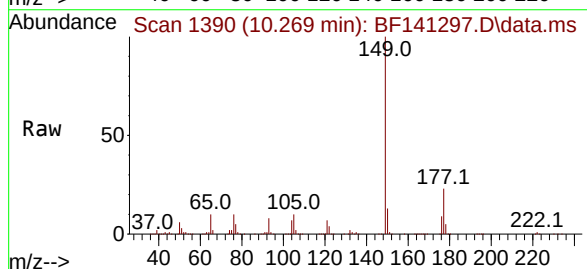
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

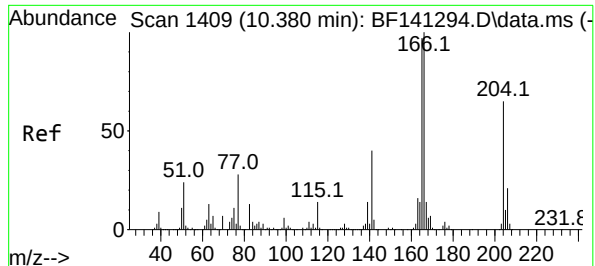
Tgt Ion:232 Resp: 302300
Ion Ratio Lower Upper
232 100
131 47.5 36.4 54.6
130 2.4 1.9 2.9
166 30.9 24.1 36.1



#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833
Ion Ratio Lower Upper
149 100
177 23.4 18.5 27.7
150 12.7 10.0 15.0

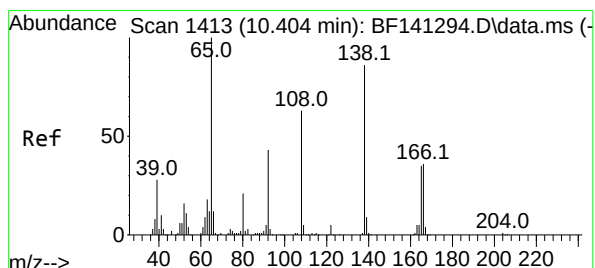
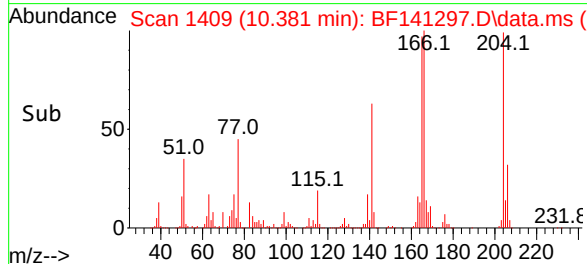
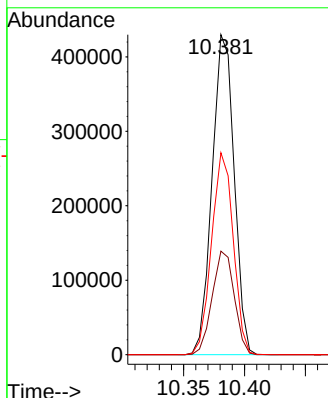
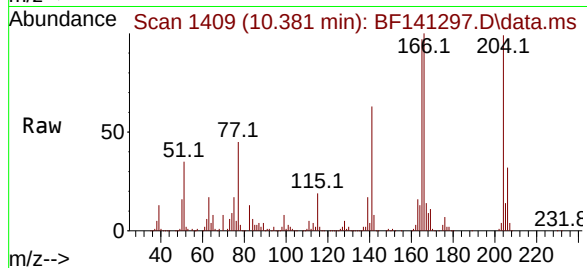




#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

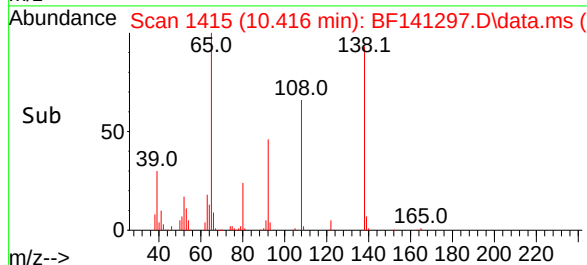
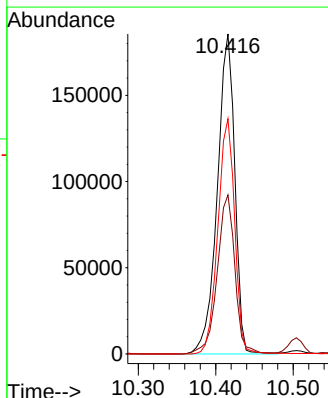
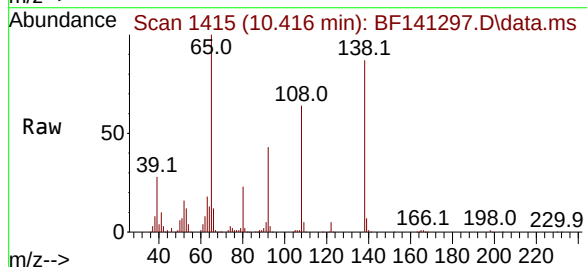
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

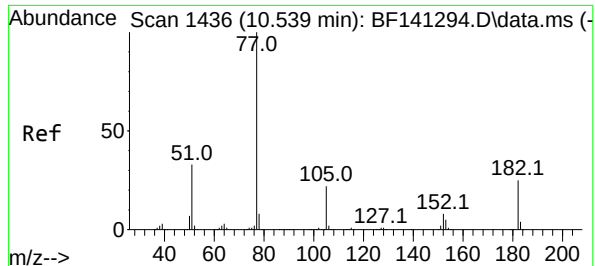
Tgt Ion:204 Resp: 541468
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 63.1 49.5 74.3



#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019
Ion Ratio Lower Upper
138 100
92 49.7 30.1 70.1
108 73.5 53.1 93.1



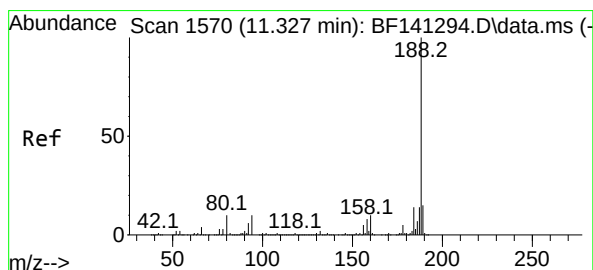
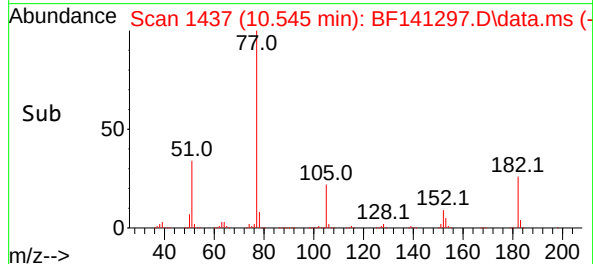
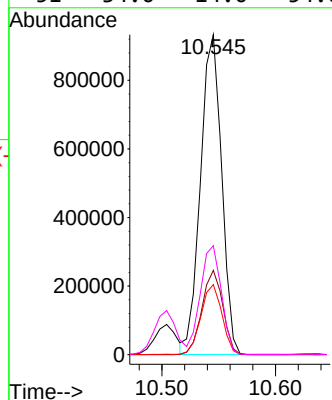
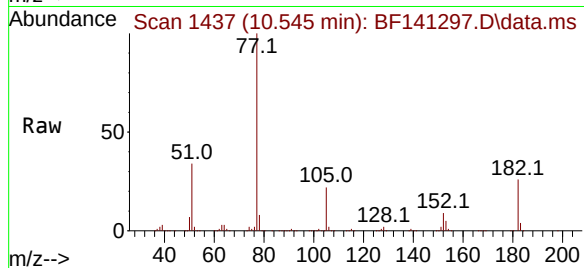


#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1206328

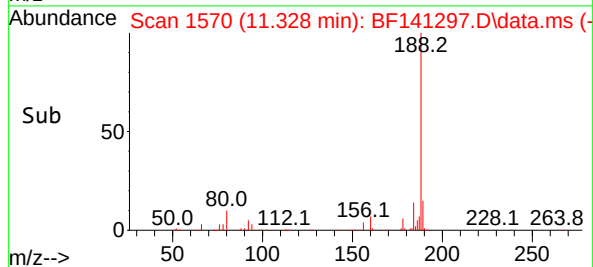
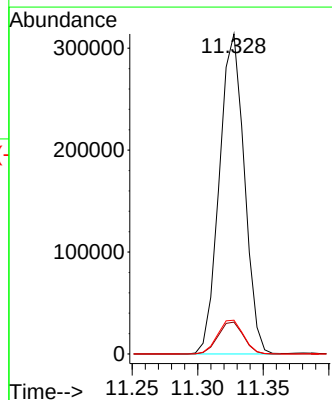
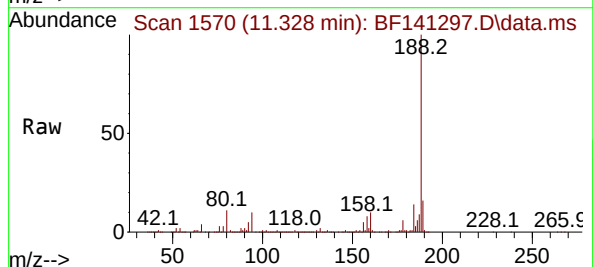
Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.1	45.1
105	21.9	1.8	41.8
51	34.0	14.0	54.0

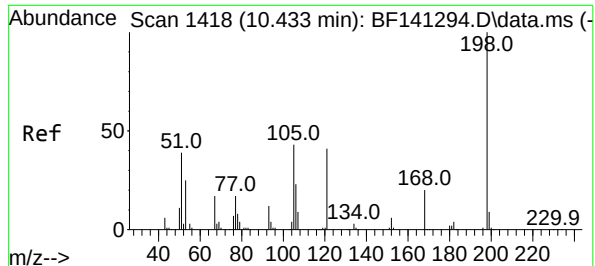


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 188 Resp: 415634

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.6	8.2	12.4

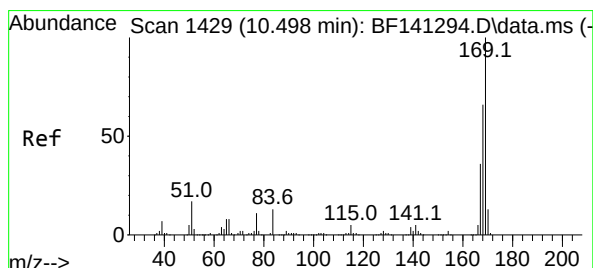
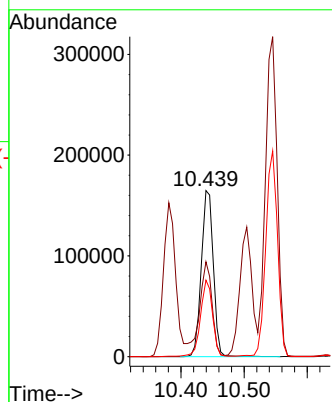
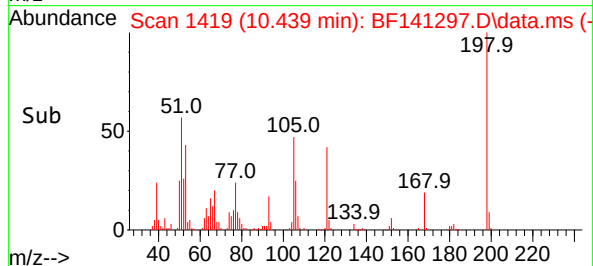
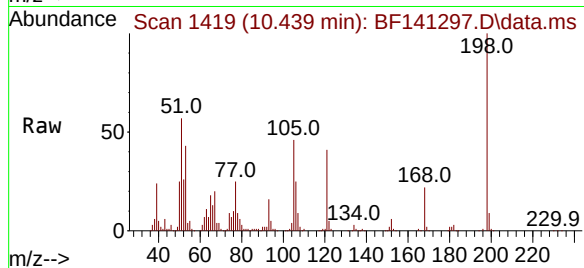




#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

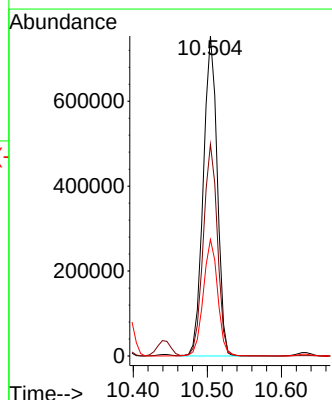
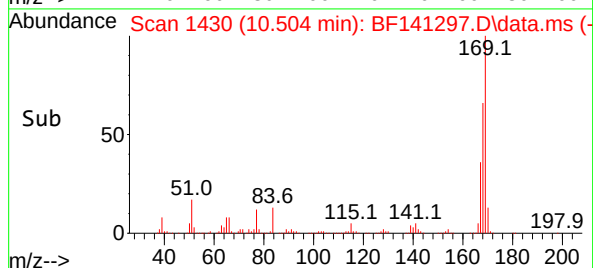
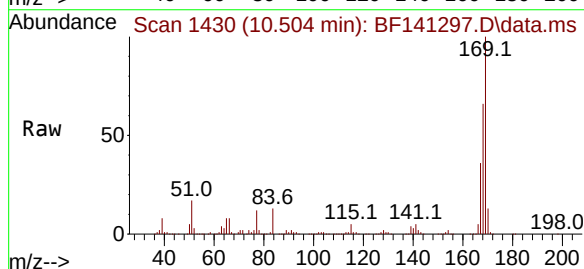
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

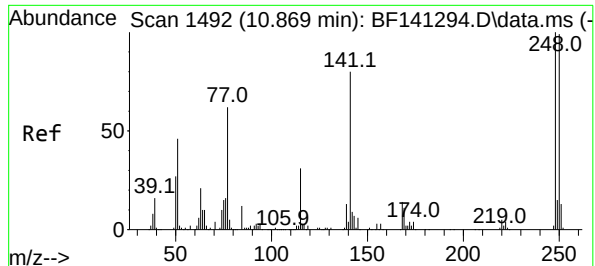
Tgt Ion:198 Resp: 217265
Ion Ratio Lower Upper
198 100
51 57.1 33.4 73.4
105 46.0 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.4 28.8 43.2

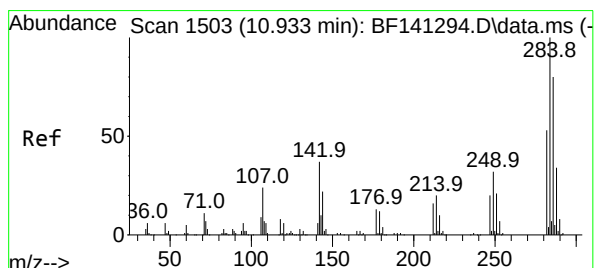
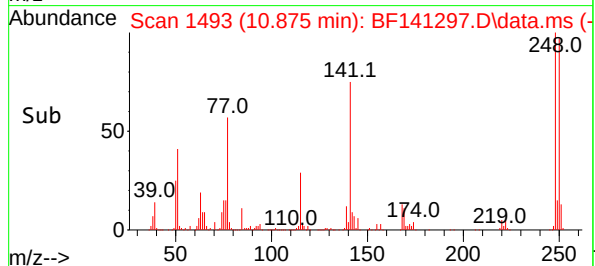
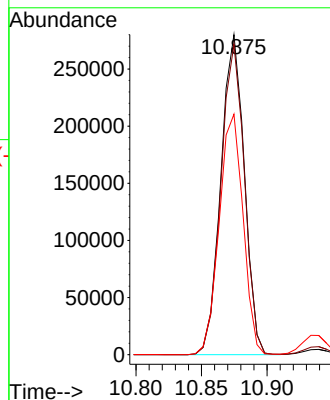
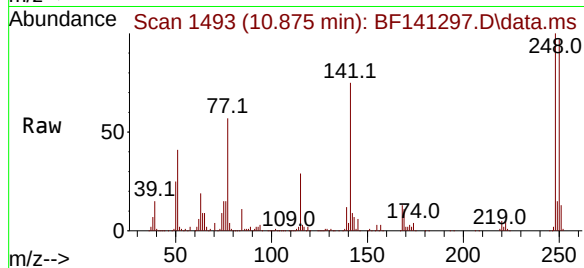




#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

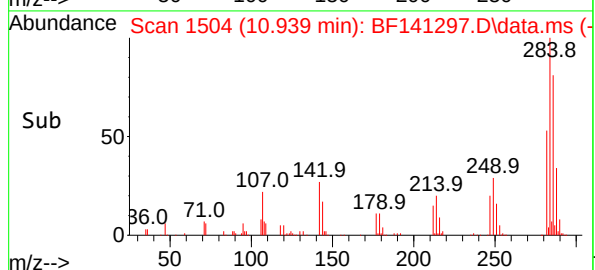
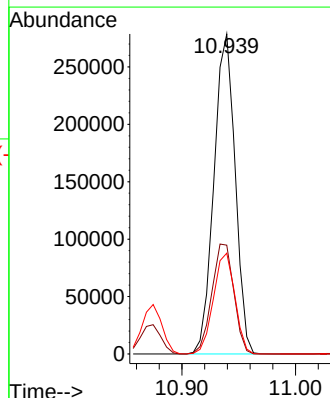
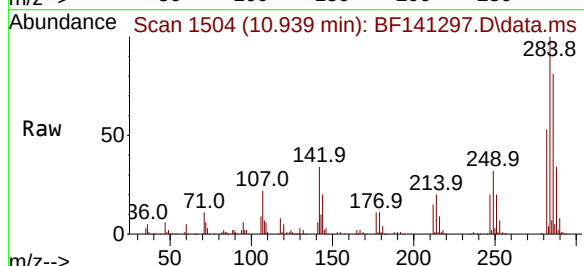
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

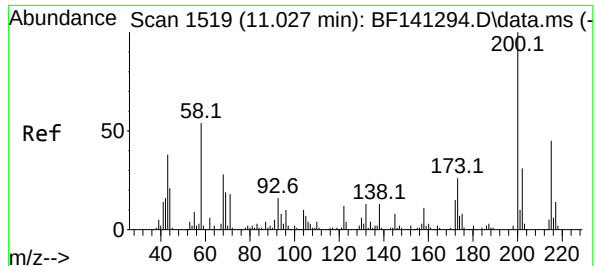
Tgt Ion:248 Resp: 348615
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 75.1 63.7 95.5



#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469
Ion Ratio Lower Upper
284 100
142 34.0 29.5 44.3
249 31.5 25.4 38.2

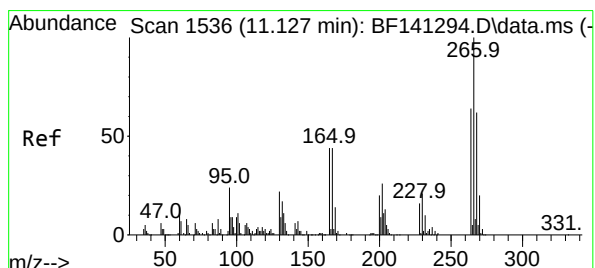
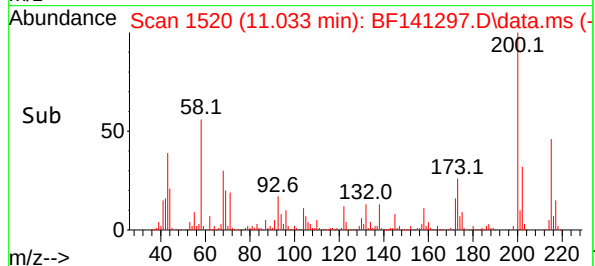
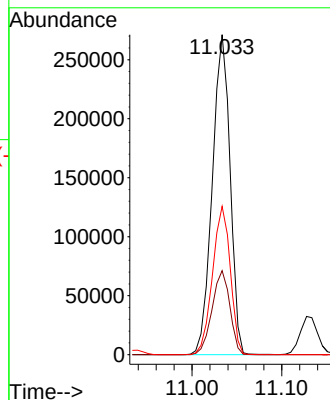
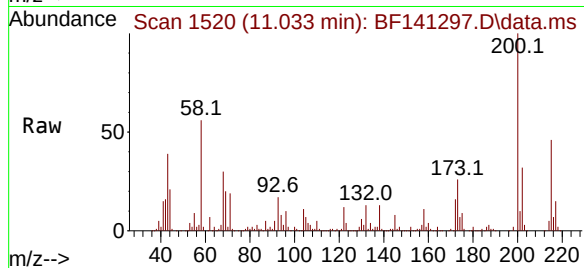




#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1520
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

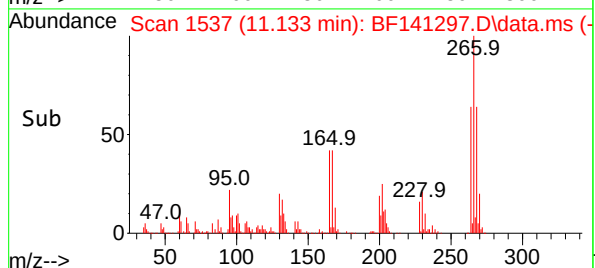
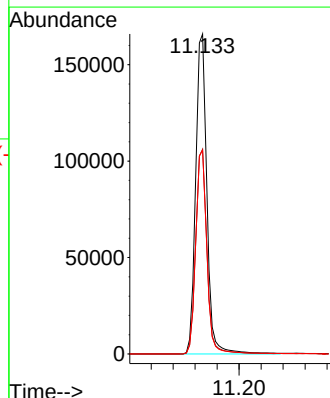
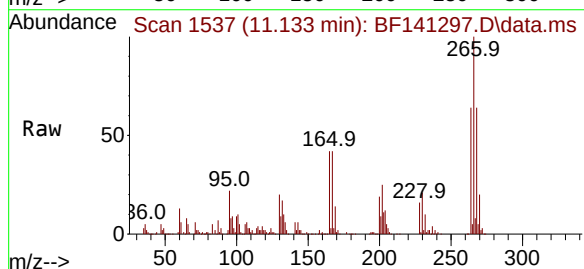
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

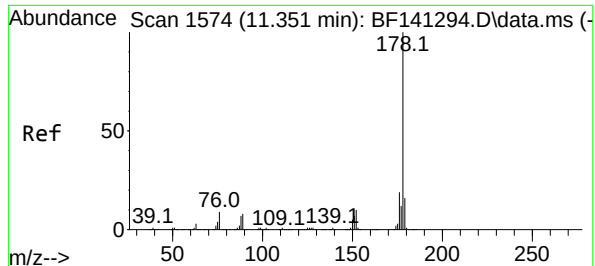
Tgt Ion:200 Resp: 372792
Ion Ratio Lower Upper
200 100
173 26.2 5.9 45.9
215 46.4 25.2 65.2



#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:266 Resp: 235030
Ion Ratio Lower Upper
266 100
268 64.0 49.9 74.9
264 63.7 51.0 76.4

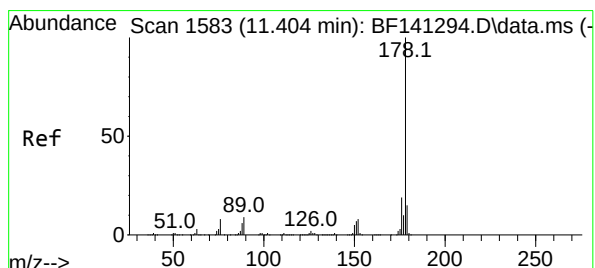
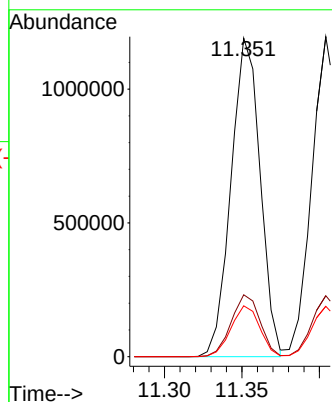
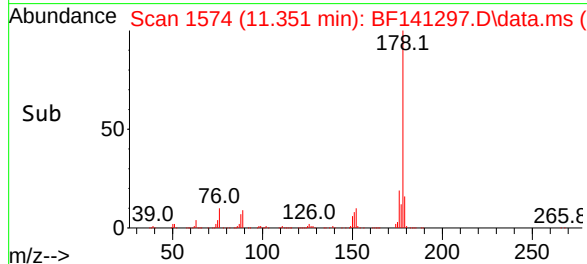
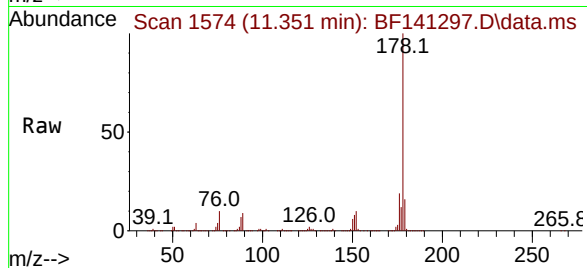




#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

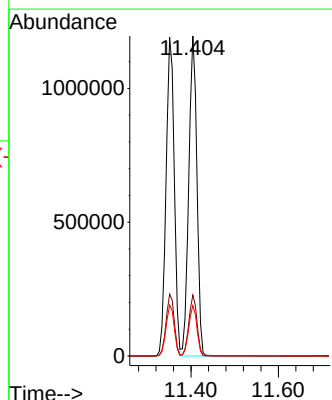
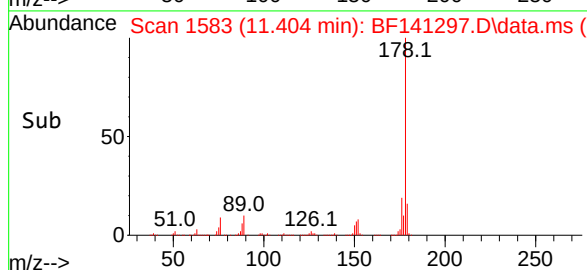
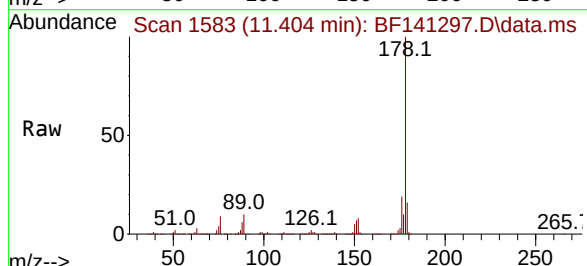
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

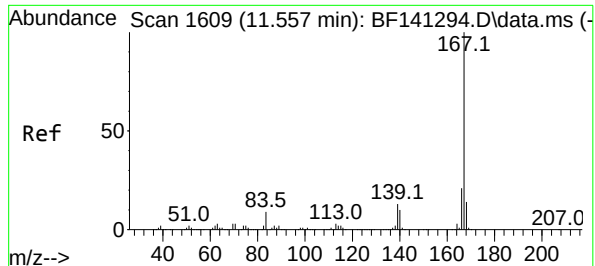
Tgt Ion:178 Resp: 1557660
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.0 12.5 18.7



#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.8 12.3 18.5

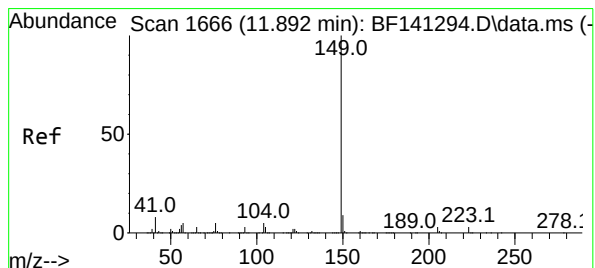
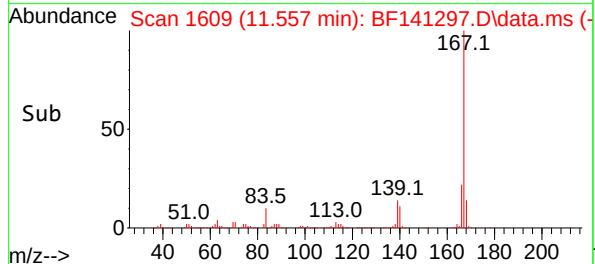
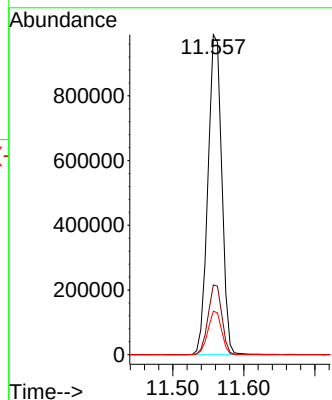
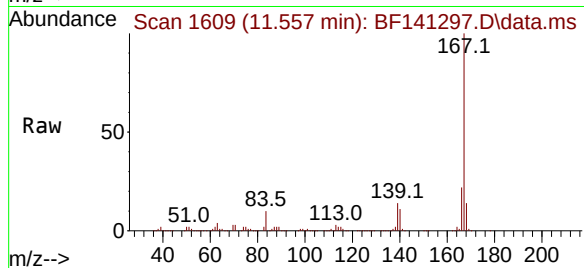




#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

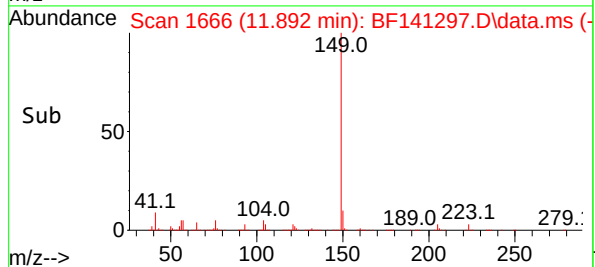
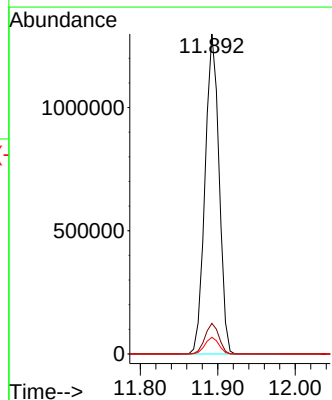
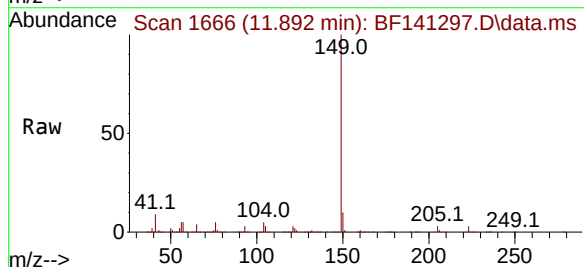
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

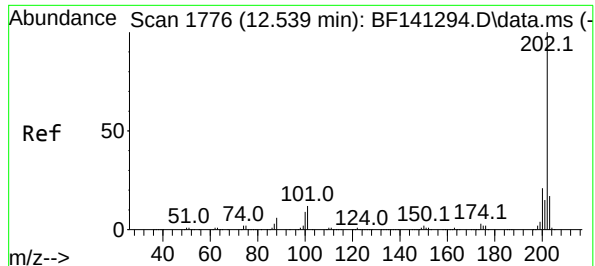
Tgt Ion:167 Resp: 1342447
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.2
104 5.2 3.9 5.9

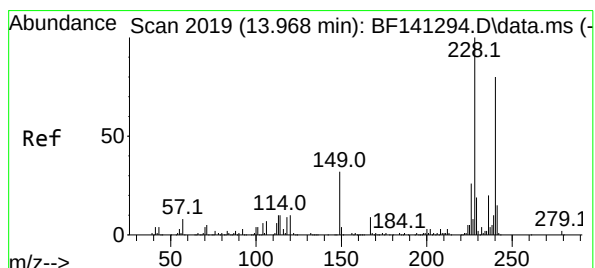
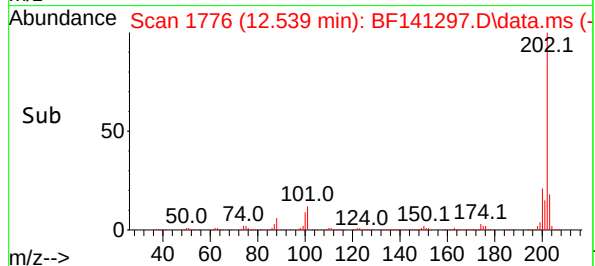
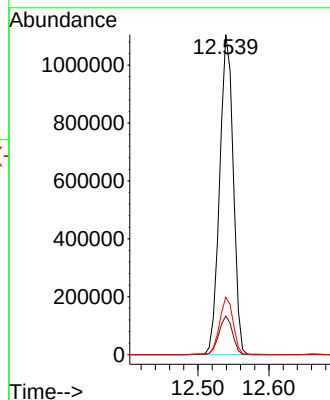
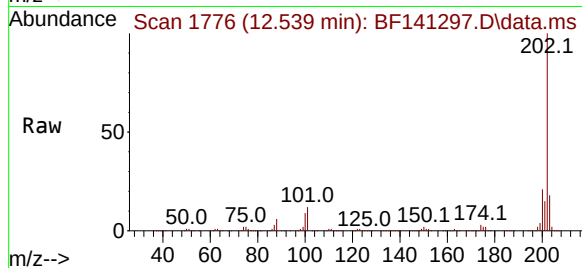




#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

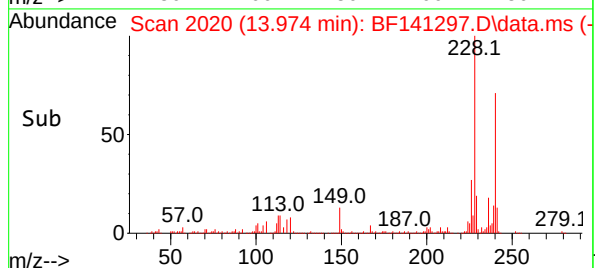
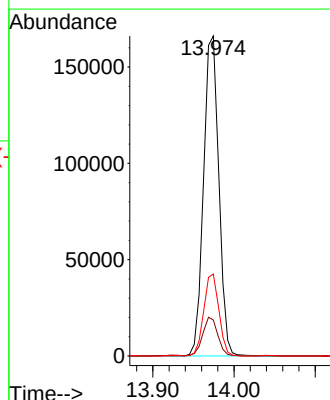
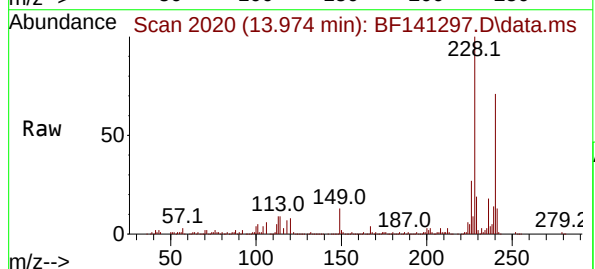
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

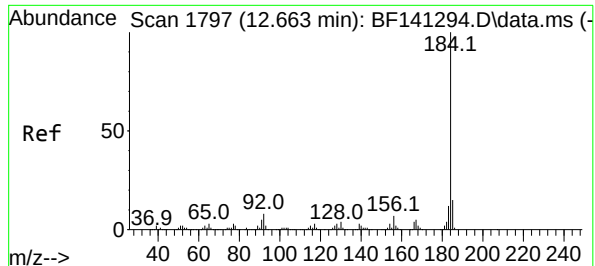
Tgt Ion:202 Resp: 1463196
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.7
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.6 19.7 29.5

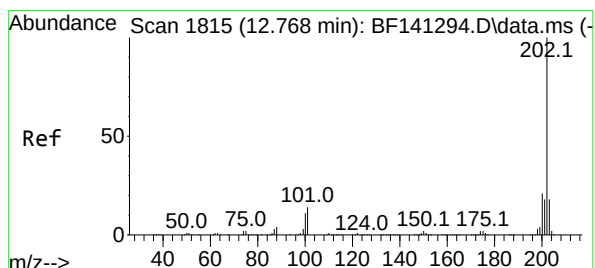
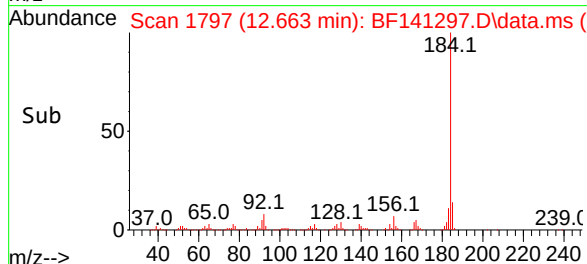
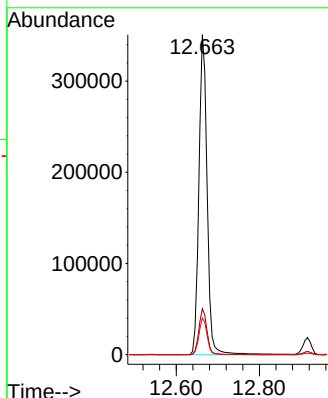
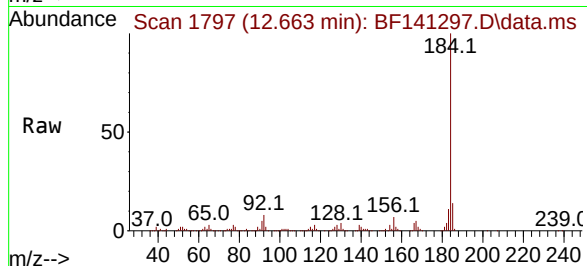




#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

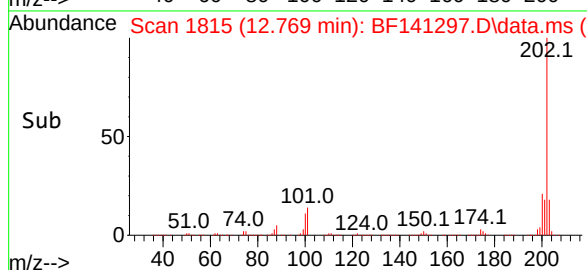
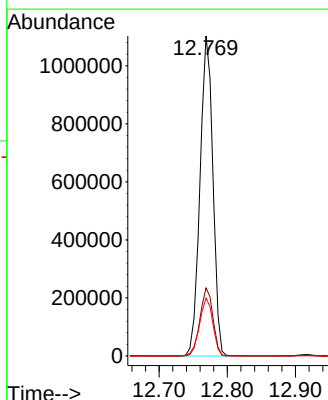
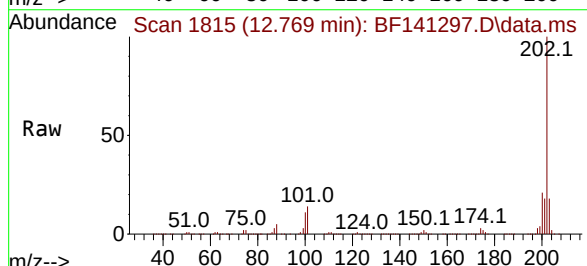
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

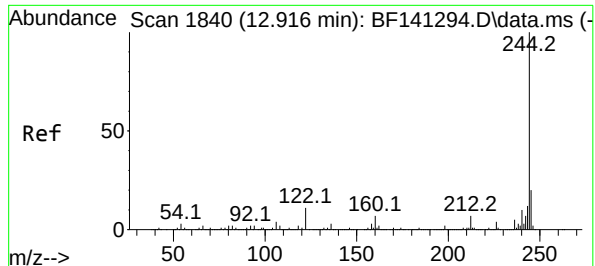
Tgt Ion:184 Resp: 481470
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.5 9.5 14.3



#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

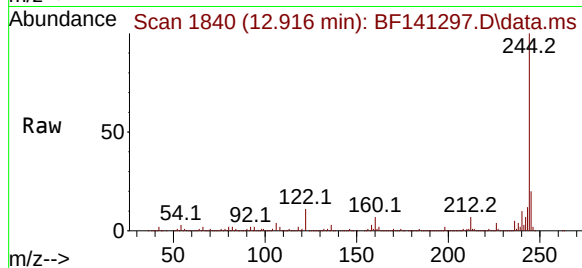
Tgt Ion:202 Resp: 1450076
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.0 14.3 21.5



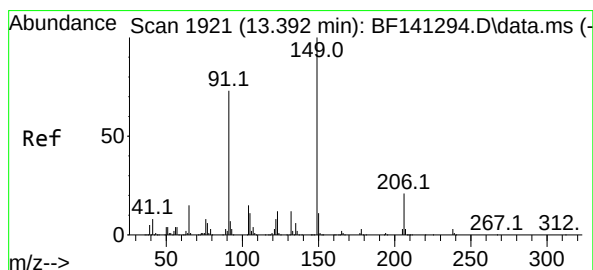
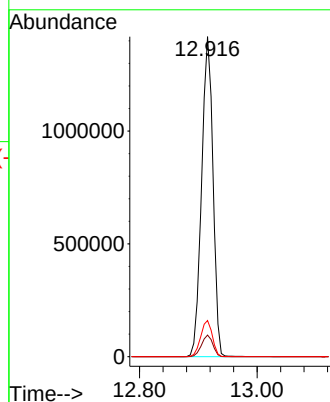
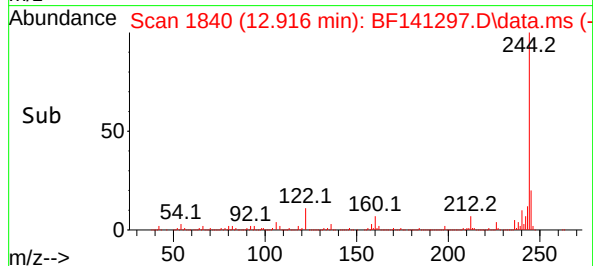


#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

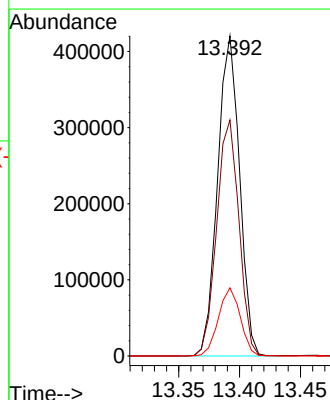
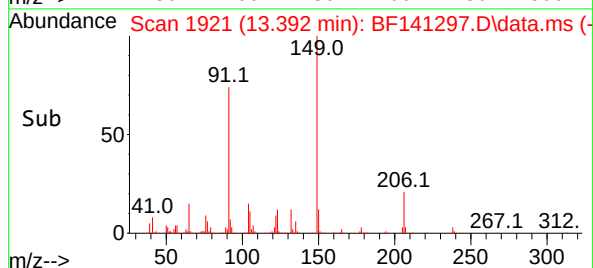
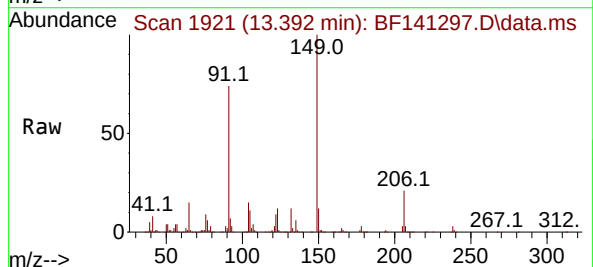


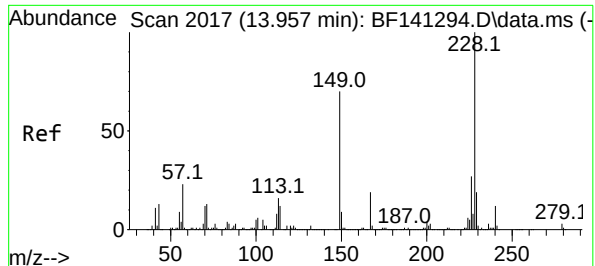
Tgt Ion:244 Resp: 1910783
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.3 8.8 13.2



#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754
Ion Ratio Lower Upper
149 100
91 73.8 58.6 87.8
206 21.3 16.7 25.1

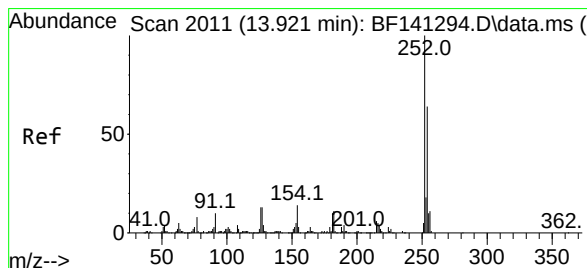
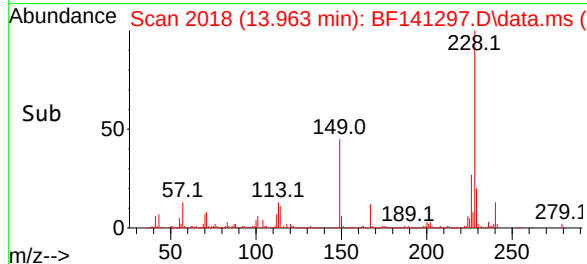
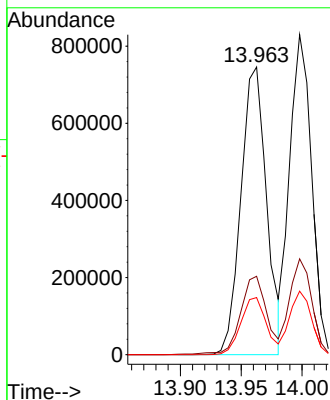
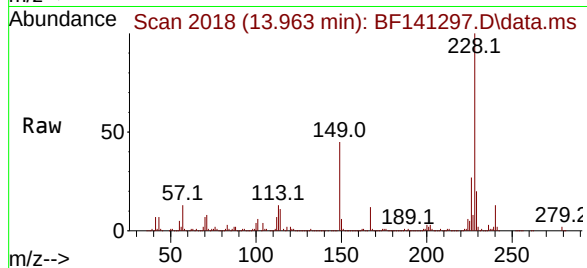




#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

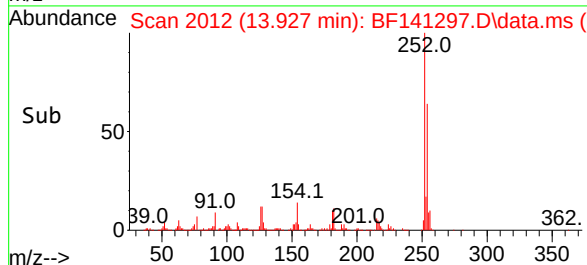
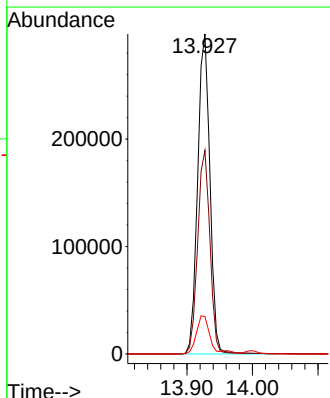
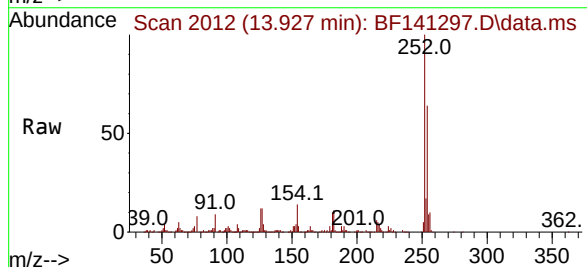
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

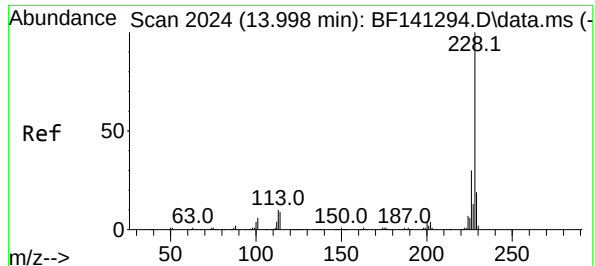
Tgt Ion:228 Resp: 1095972
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044
Ion Ratio Lower Upper
252 100
254 63.6 51.3 76.9
126 11.7 10.0 15.0

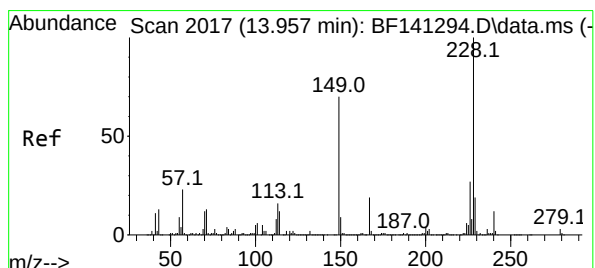
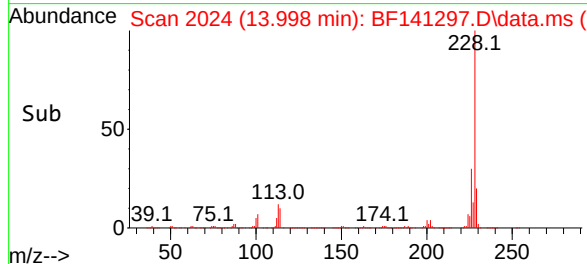
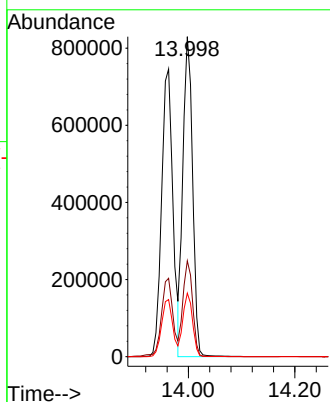
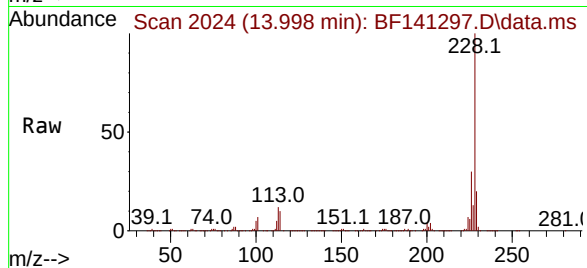




#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

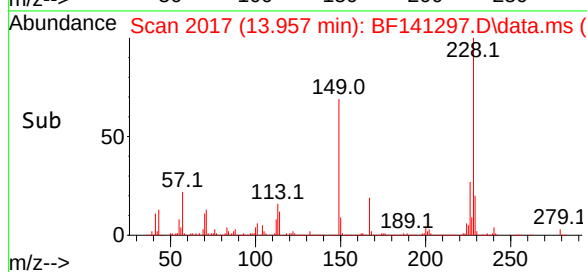
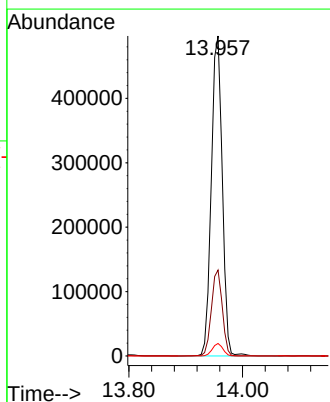
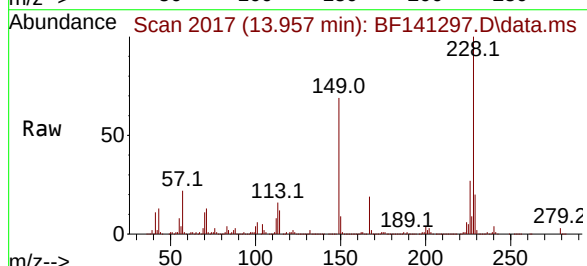
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

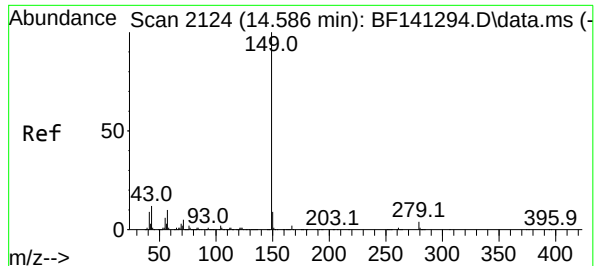
Tgt Ion:228 Resp: 1048083
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.9 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.9 3.3 4.9

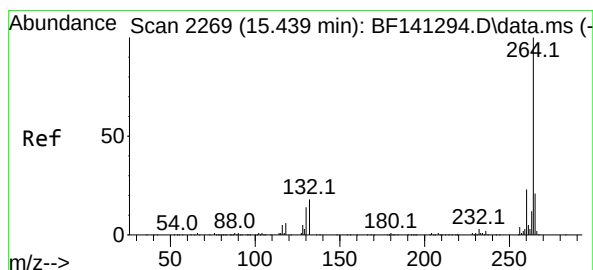
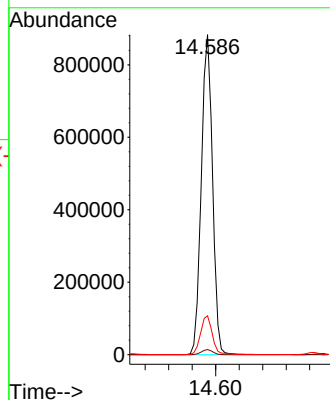
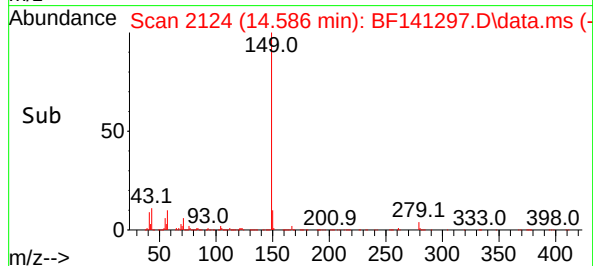
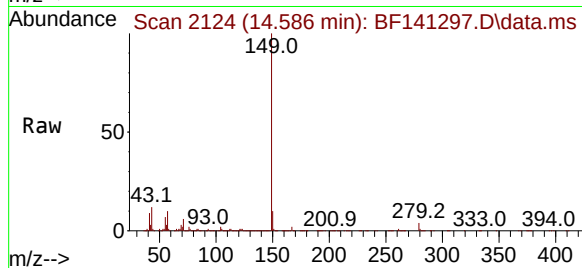




#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

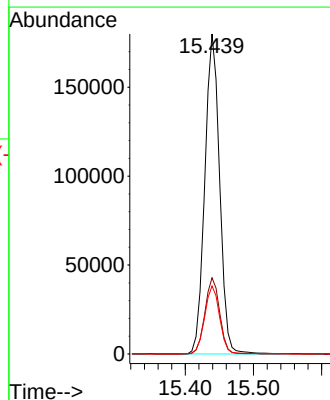
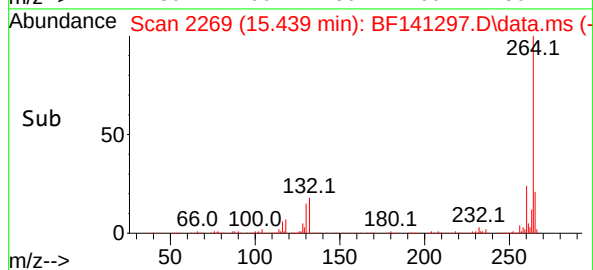
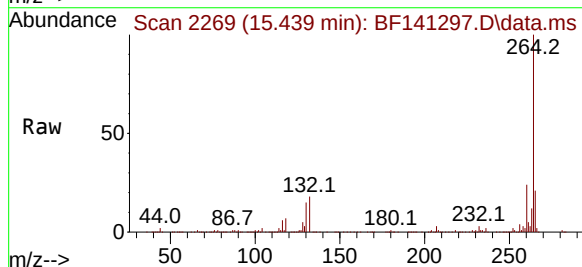
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

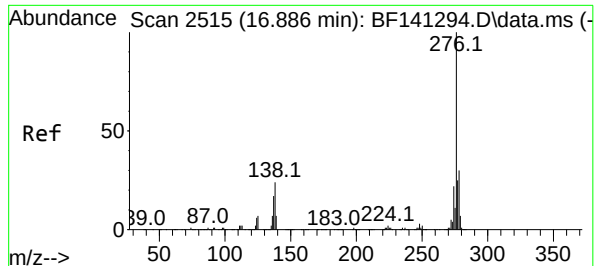
Tgt Ion:149 Resp: 1171131
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.7 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 79.715 ng

RT: 16.898 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

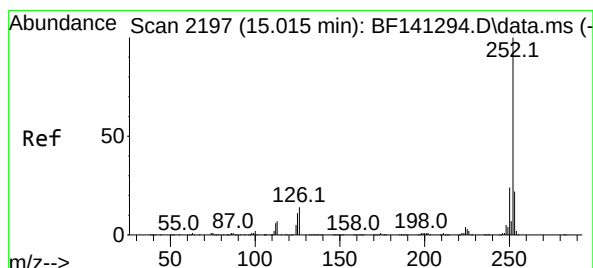
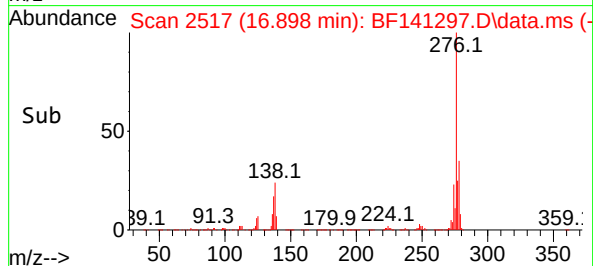
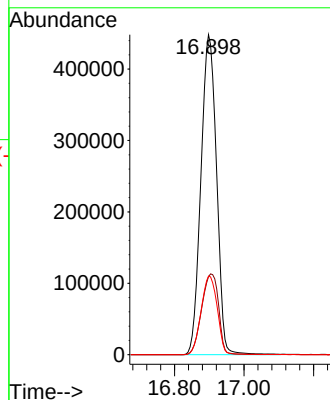
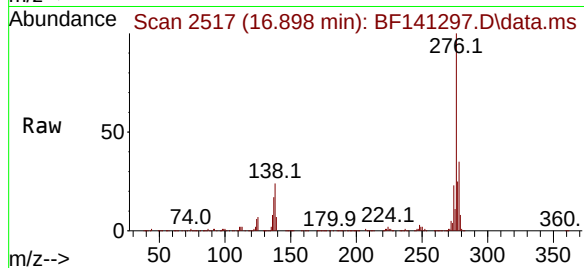
Tgt Ion:276 Resp: 1399119

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 71.102 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

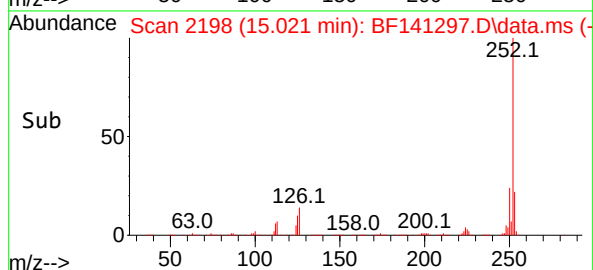
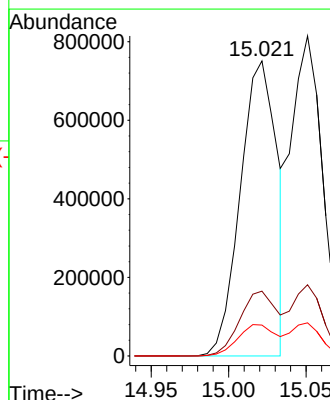
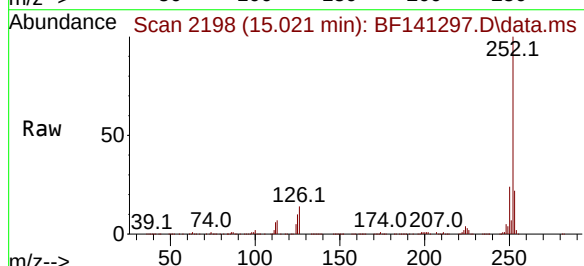
Tgt Ion:252 Resp: 1235245

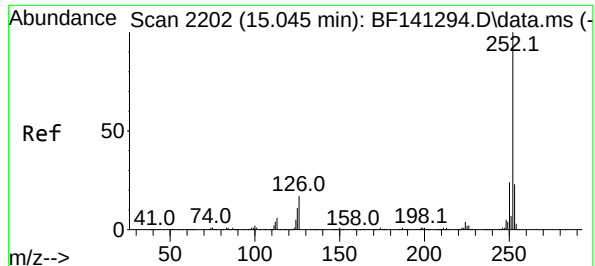
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 75.010 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

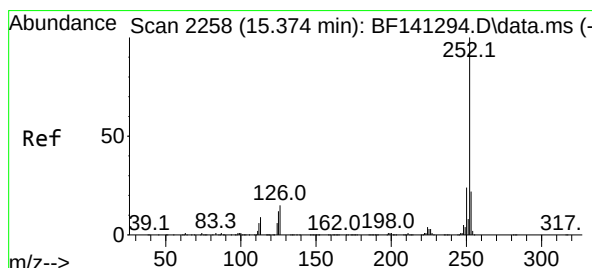
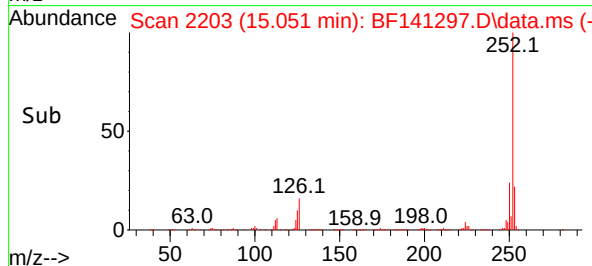
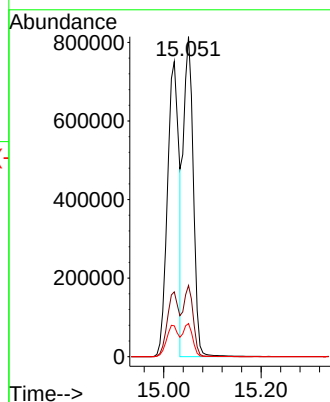
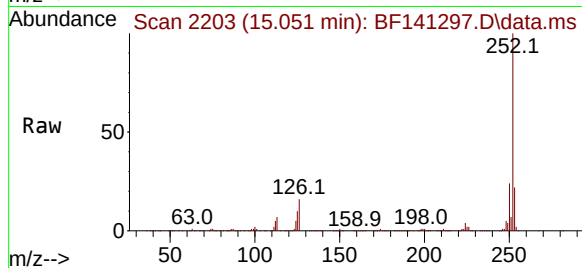
Tgt Ion:252 Resp: 1146296

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.4 8.4 12.6



#90

Benzo(a)pyrene

Concen: 75.410 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

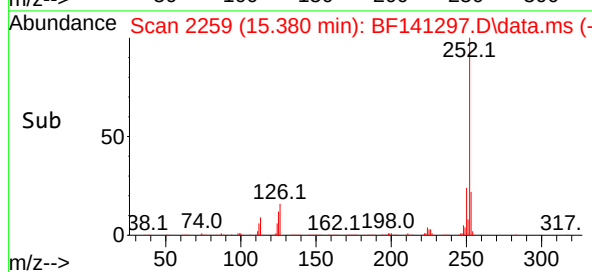
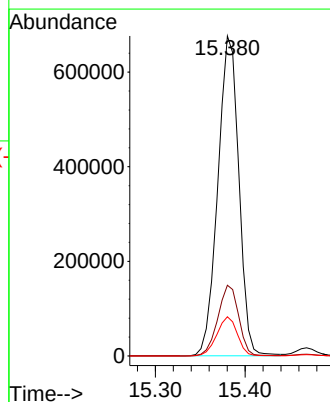
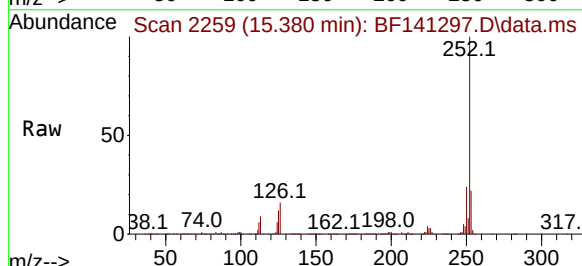
Tgt Ion:252 Resp: 1098491

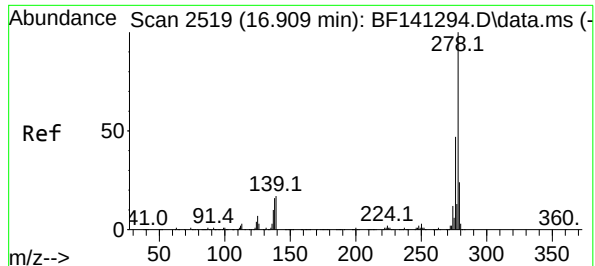
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.3 9.4 14.2

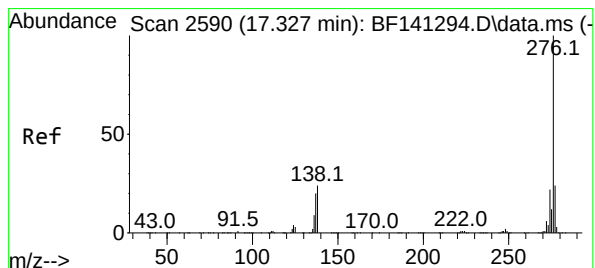
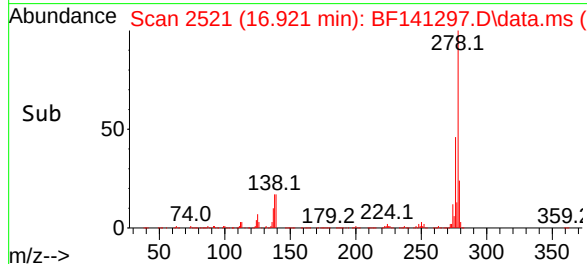
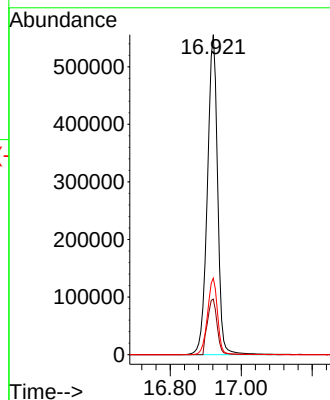
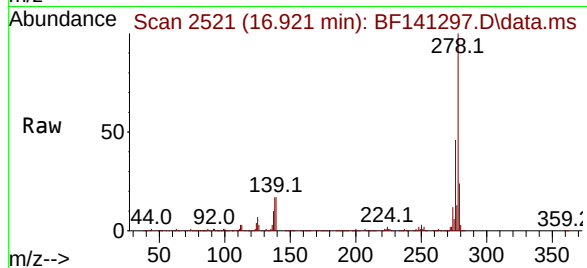




#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2521
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

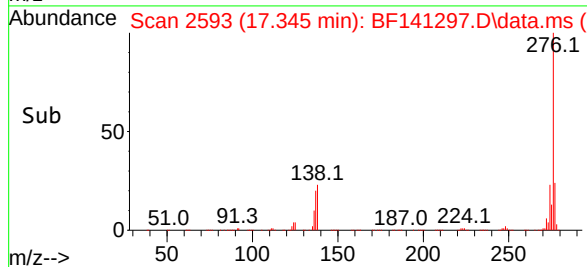
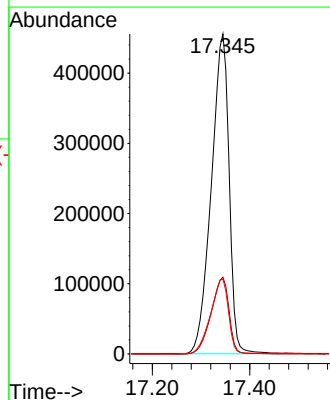
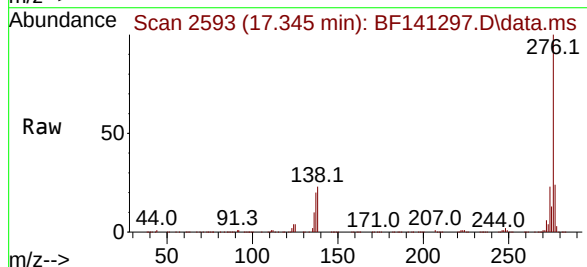
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1117397
Ion Ratio Lower Upper
278 100
139 17.3 13.9 20.9
279 23.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

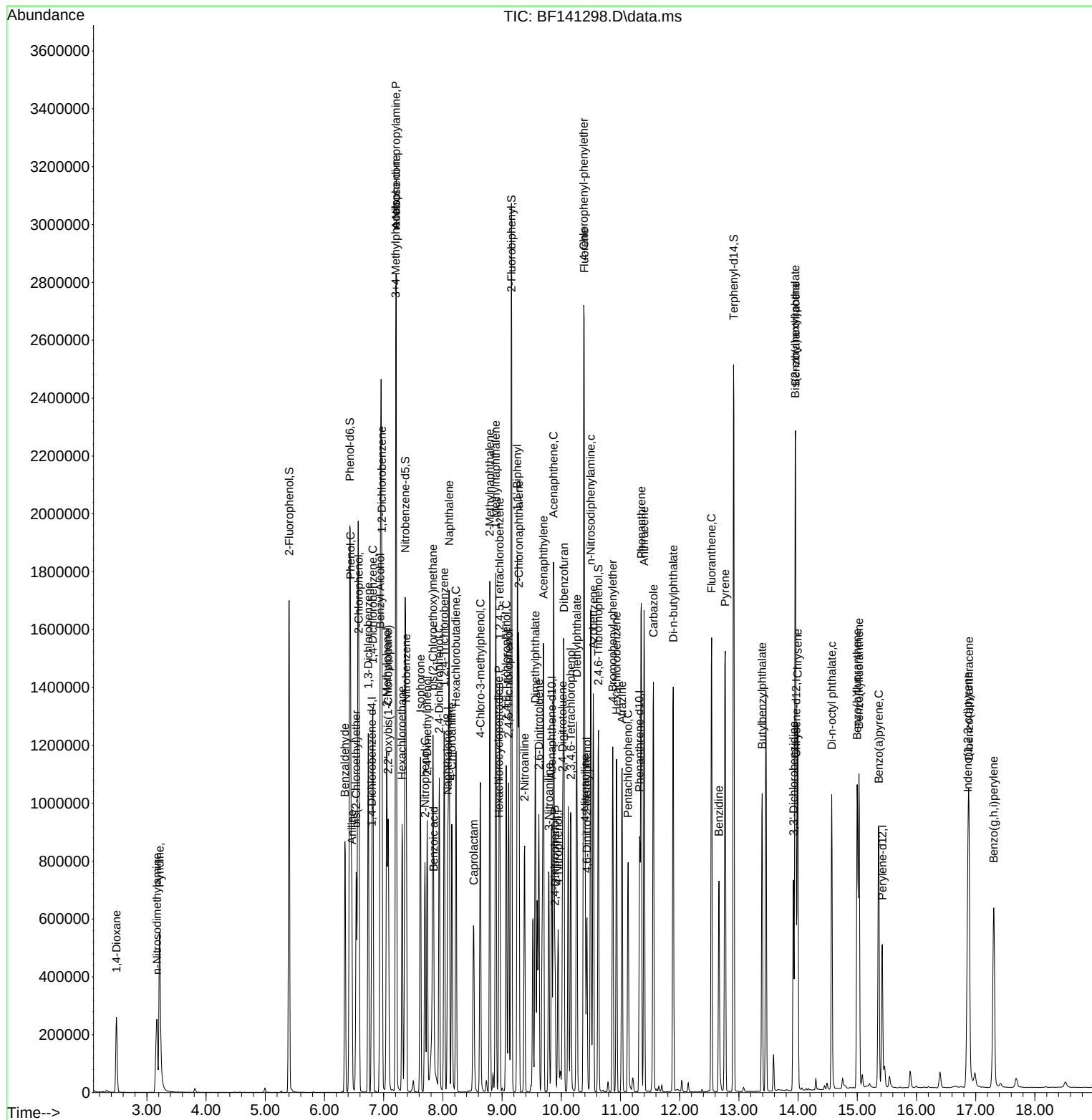
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng	100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng	100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng	100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng	98
49) Acenaphthylene	9.698	152	890709	37.416	ng	100
50) Dimethylphthalate	9.563	163	697300	36.904	ng	100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng	99
52) Acenaphthene	9.869	154	632756	37.206	ng	99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng	98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng	# 85
55) Dibenzofuran	10.045	168	842555	37.012	ng	100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng	99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng	99
58) Fluorene	10.386	166	643639	36.451	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng	99
60) Diethylphthalate	10.263	149	683674	37.316	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng	99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng	99
63) Azobenzene	10.539	77	678905	37.020	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng	99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng	98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng	99
69) Atrazine	11.028	200	190958	39.215	ng	99
70) Pentachlorophenol	11.128	266	128300	40.973	ng	99
71) Phenanthrene	11.351	178	922625	38.117	ng	100
72) Anthracene	11.398	178	912703	38.484	ng	100
73) Carbazole	11.557	167	813036	38.661	ng	100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng	100
75) Fluoranthene	12.539	202	902637	37.768	ng	100
77) Benzidine	12.663	184	405163	49.142	ng	99
78) Pyrene	12.769	202	894269	36.225	ng	99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng	99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng	99
83) Chrysene	13.992	228	610038	37.508	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng	100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng	99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng	100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng	99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng	99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng	99

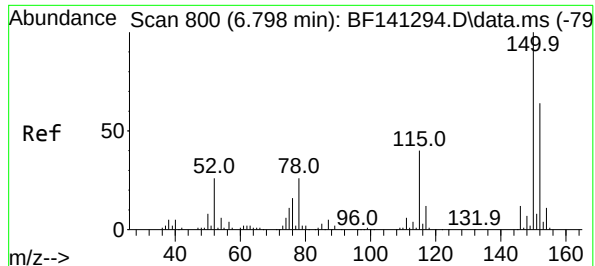
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





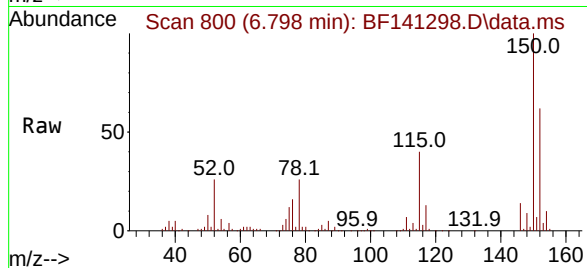
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

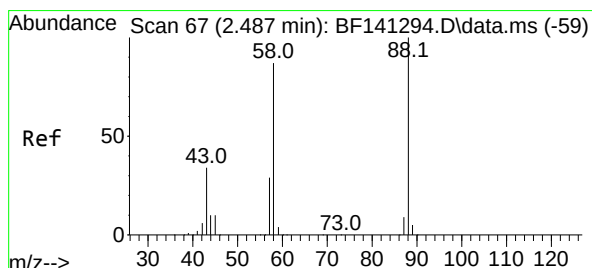
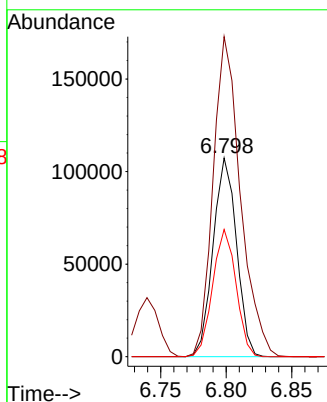
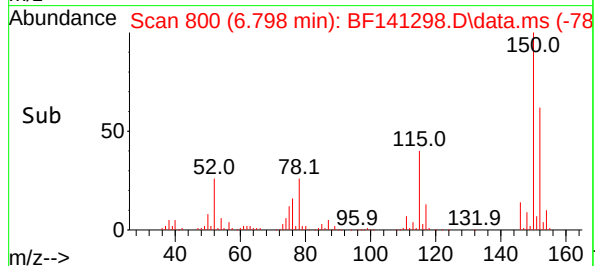


Tgt Ion: 152 Resp: 133318
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 64.0 49.7 74.5

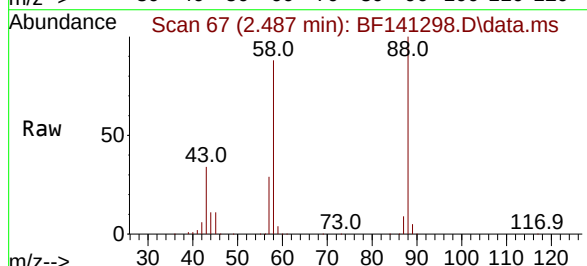
Manual Integrations

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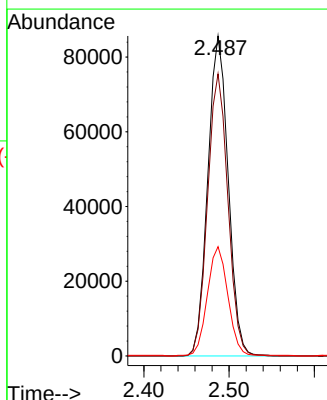
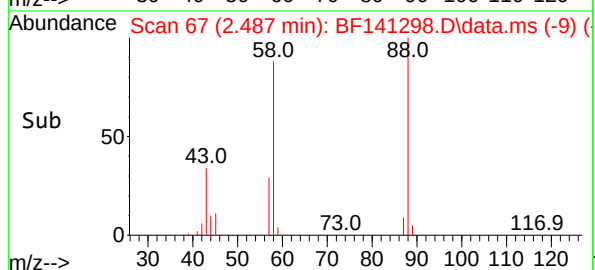
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

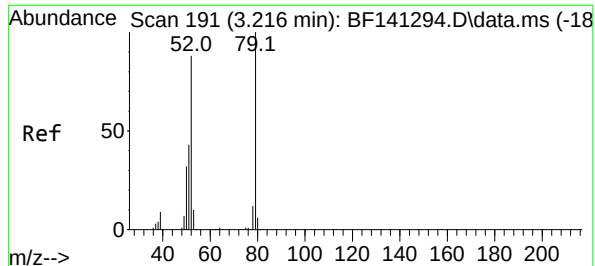


#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



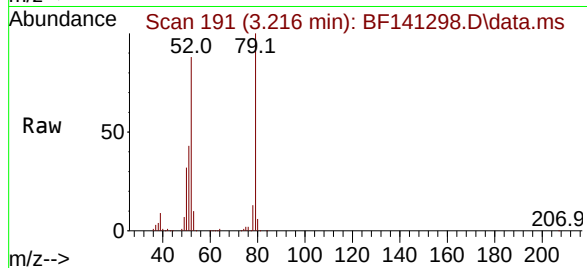
Tgt Ion: 88 Resp: 142440
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.7 27.6 41.4





#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

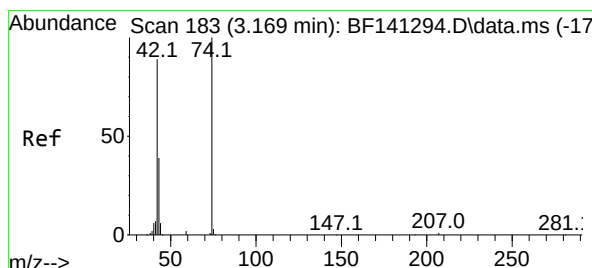
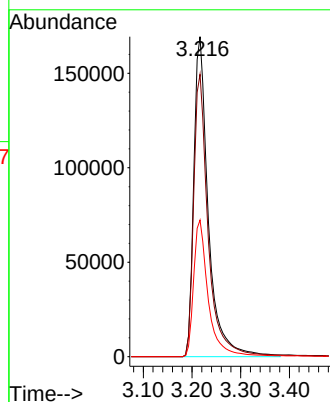
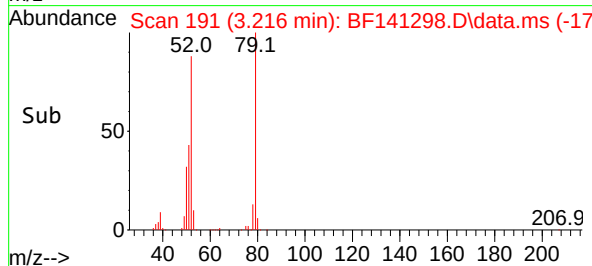
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 79 Resp: 353478
Ion Ratio Lower Upper
79 100
52 88.3 70.3 105.5
51 42.7 34.3 51.5

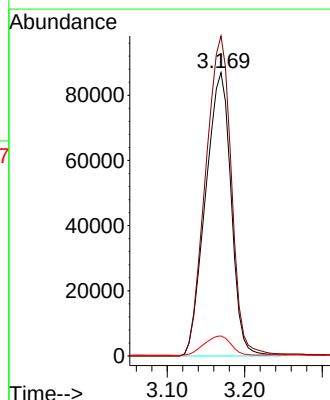
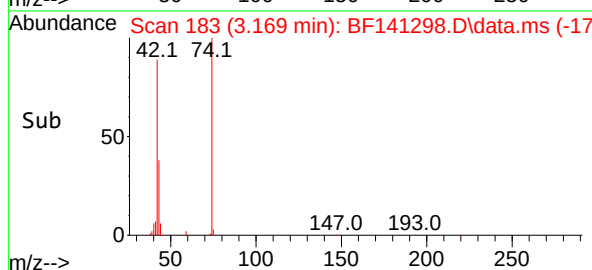
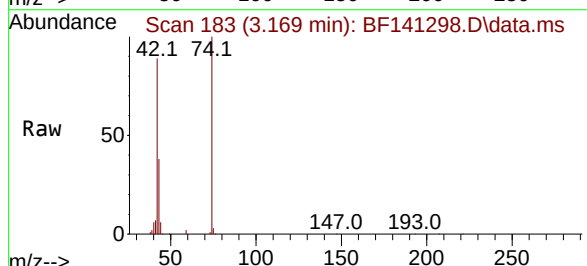
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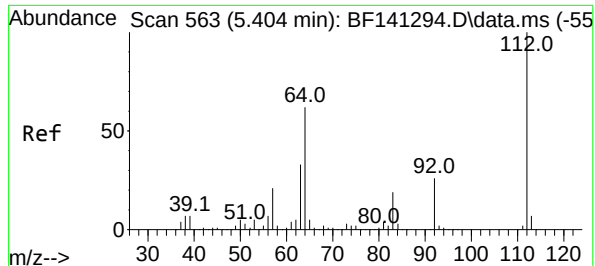
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

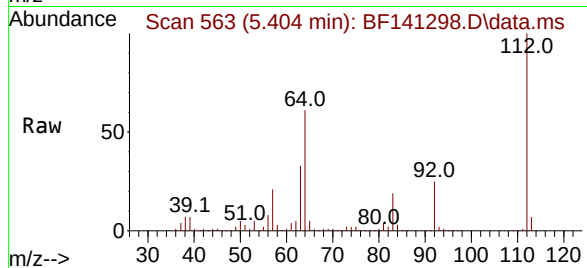
Tgt Ion: 42 Resp: 199637
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 7.1 5.7 8.5





#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 509
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

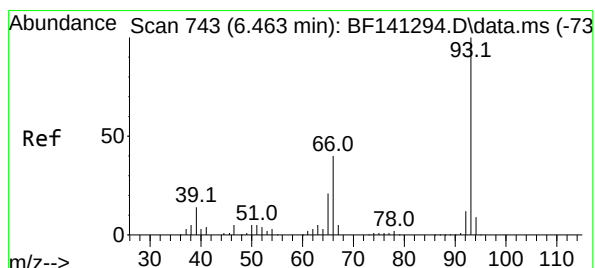
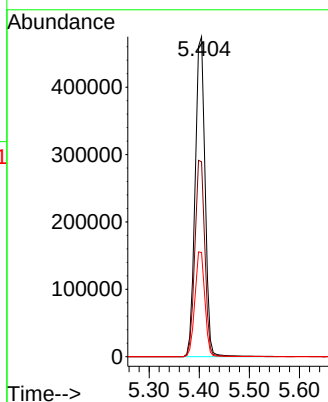
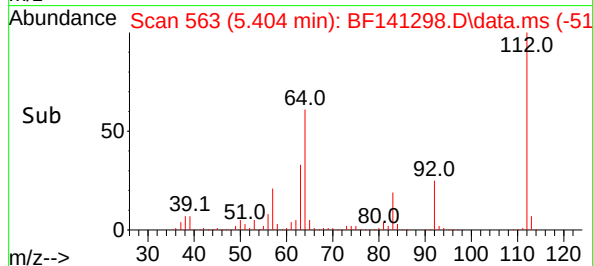
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:112 Resp: 65098
Ion Ratio Lower Upper
112 100
64 60.9 49.8 74.8
63 32.6 26.1 39.1

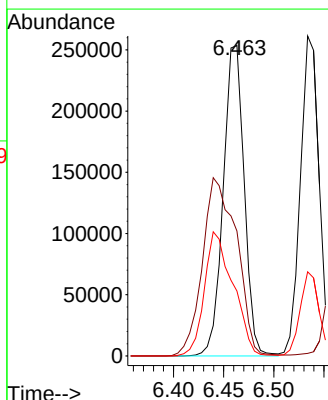
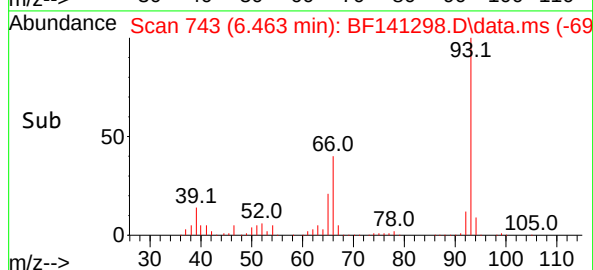
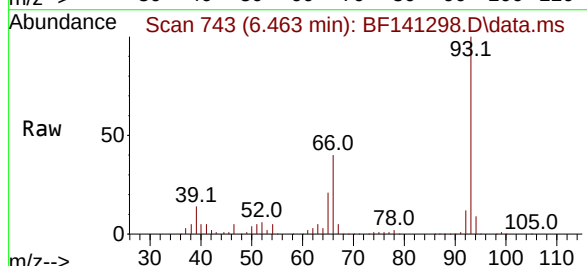
Manual Integrations
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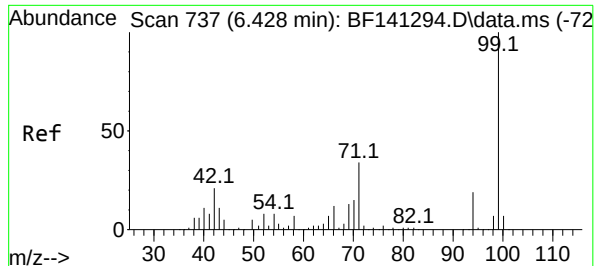
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 368792
Ion Ratio Lower Upper
93 100
66 40.3 32.5 48.7
65 20.9 17.0 25.6





#7

Phenol-d6

Concen: 74.641 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 99 Resp: 824574

Ion Ratio Lower Upper

99 100

42 21.3 17.1 25.7

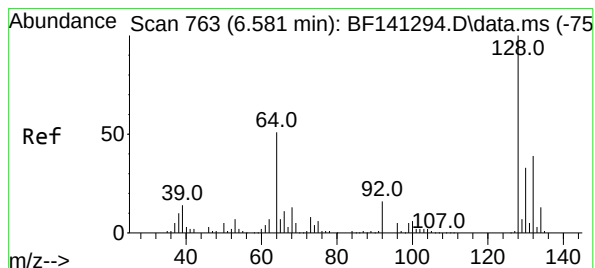
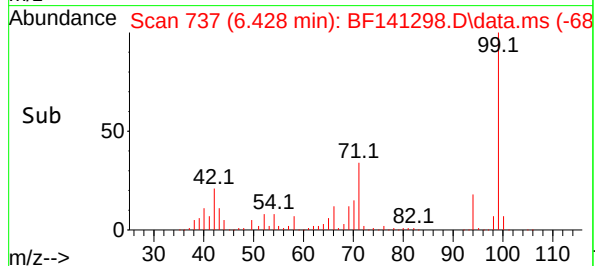
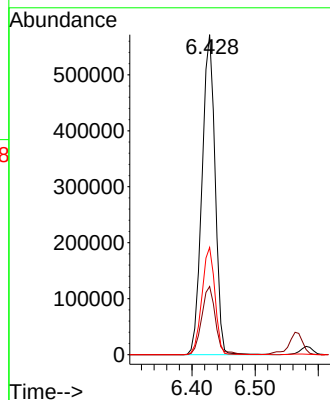
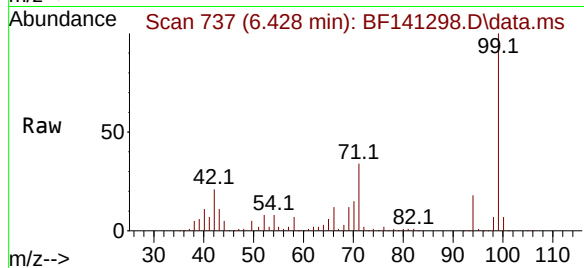
71 33.5 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 37.505 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

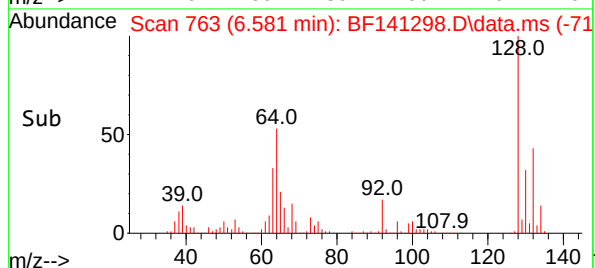
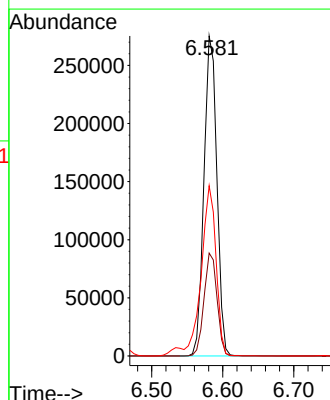
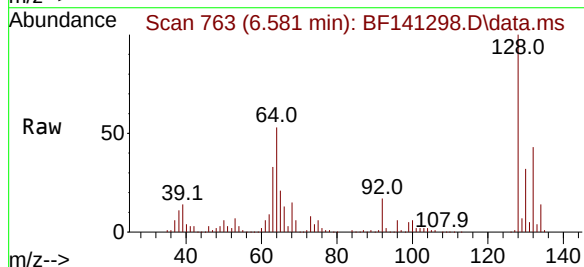
Tgt Ion:128 Resp: 349085

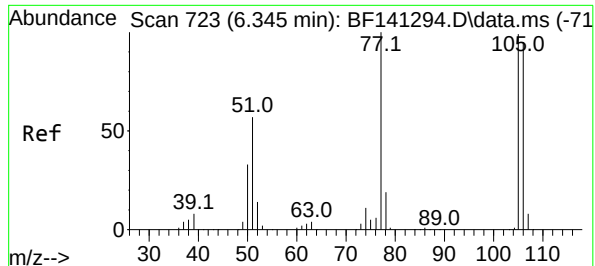
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 53.2 32.9 72.9





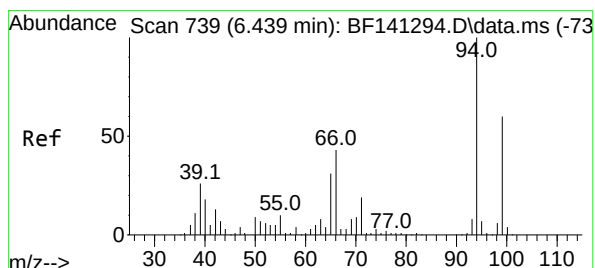
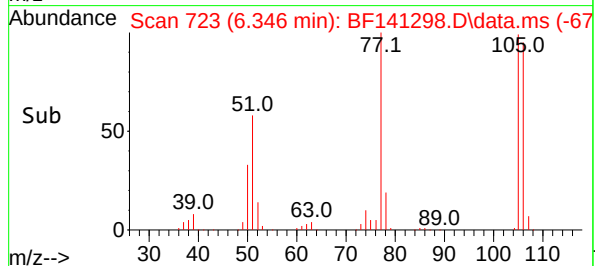
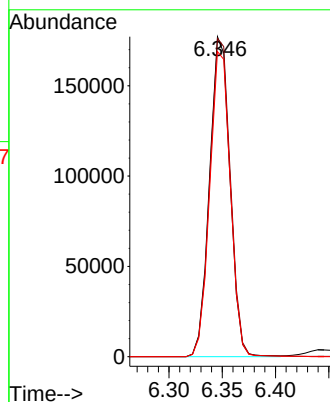
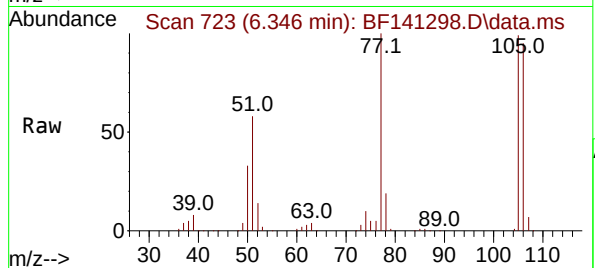
#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion: 77 Resp: 23653
Ion Ratio Lower Upper
77 100
105 99.5 79.4 119.4
106 95.3 74.6 114.6

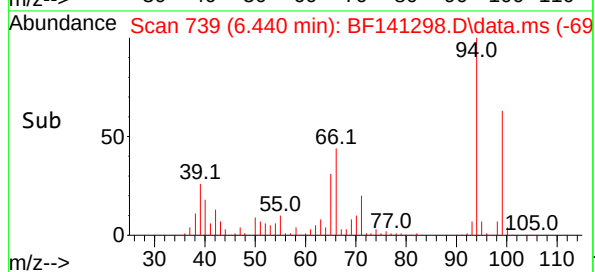
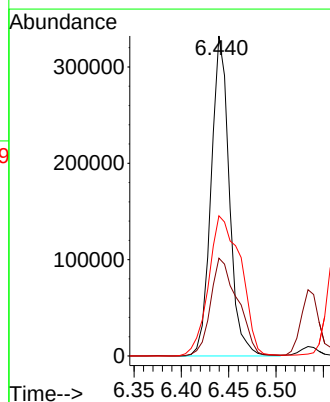
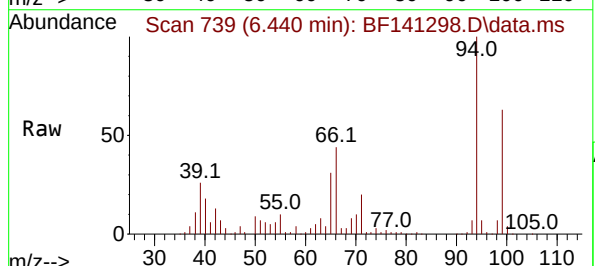
Manual Integrations
APPROVED

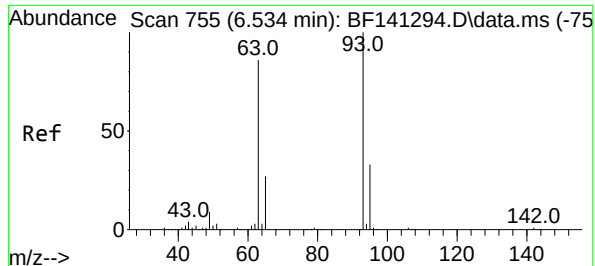
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 94 Resp: 443695
Ion Ratio Lower Upper
94 100
65 30.5 10.8 50.8
66 43.8 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 37.387 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 93 Resp: 33570

Ion Ratio Lower Upper

93 100

63 84.6 65.0 105.0

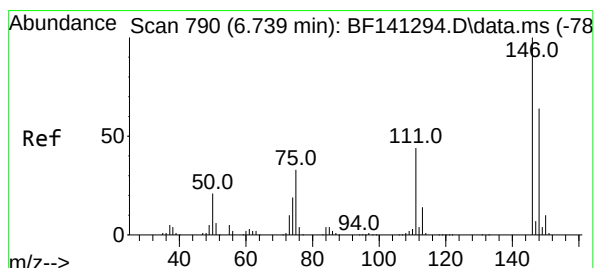
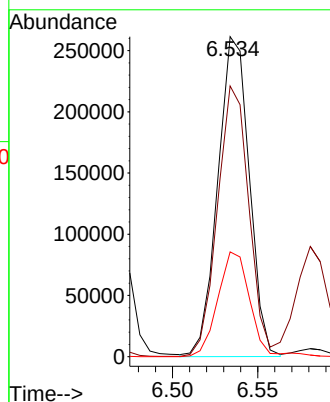
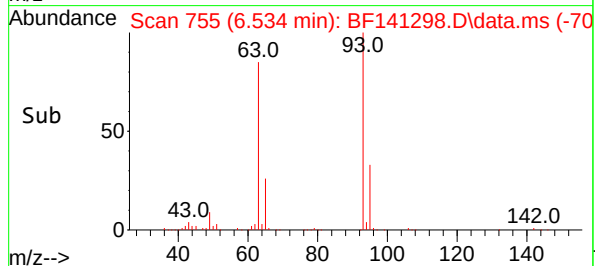
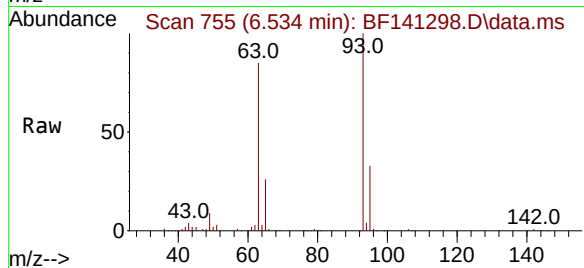
95 32.8 12.4 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#12

1,3-Dichlorobenzene

Concen: 37.288 ng

RT: 6.740 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

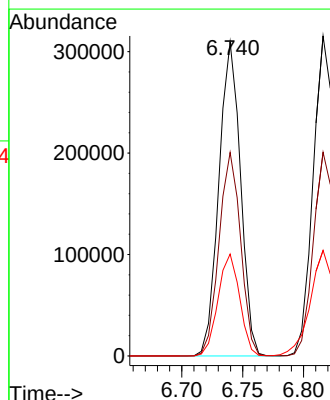
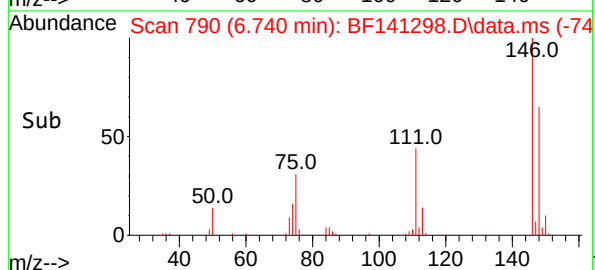
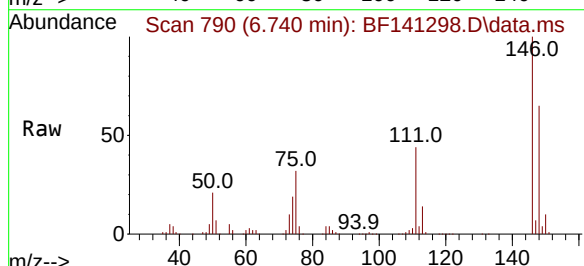
Tgt Ion:146 Resp: 382682

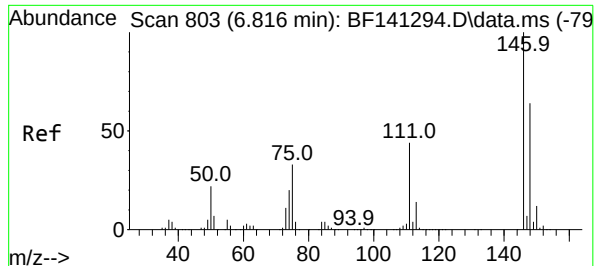
Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

75 32.4 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.885 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:146 Resp: 39059

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

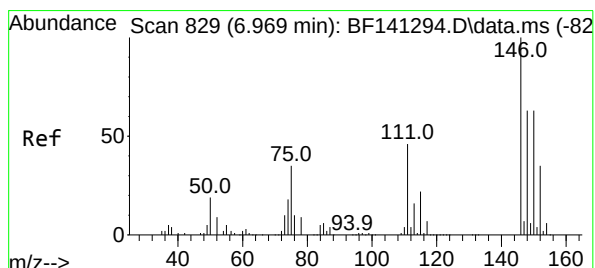
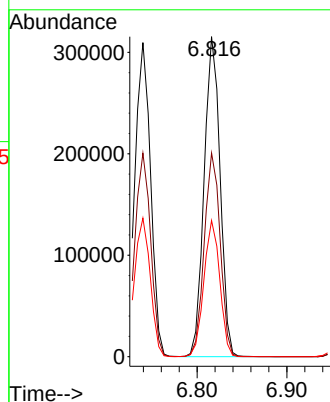
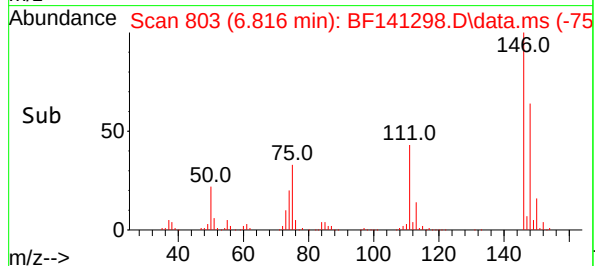
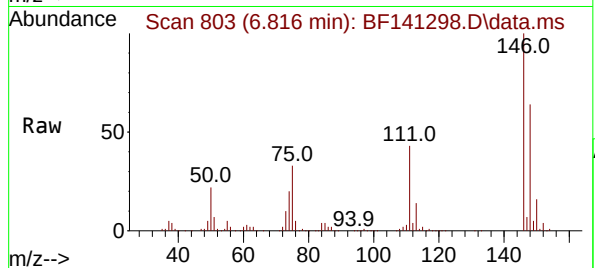
111 42.5 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 37.241 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

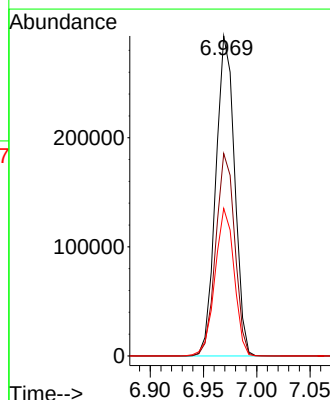
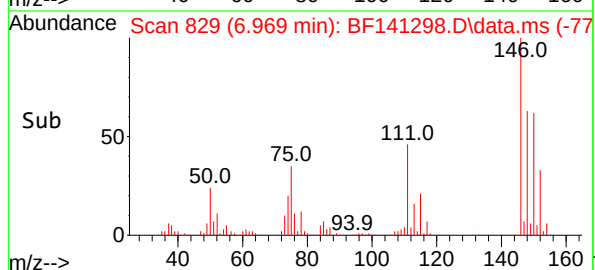
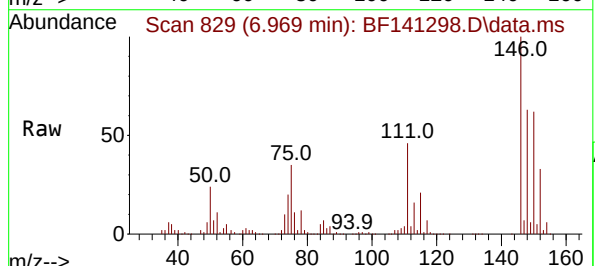
Tgt Ion:146 Resp: 359529

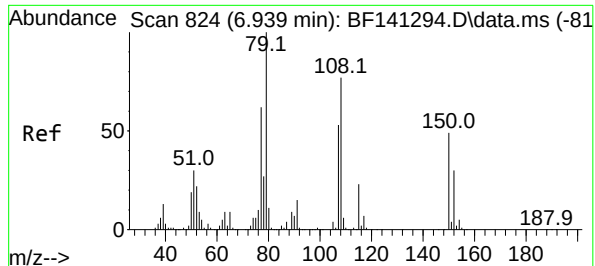
Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

111 46.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 37.952 ng

RT: 6.940 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 79 Resp: 286519

Ion Ratio Lower Upper

79 100

108 76.8 61.4 92.0

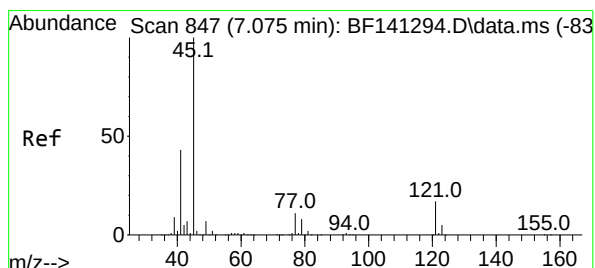
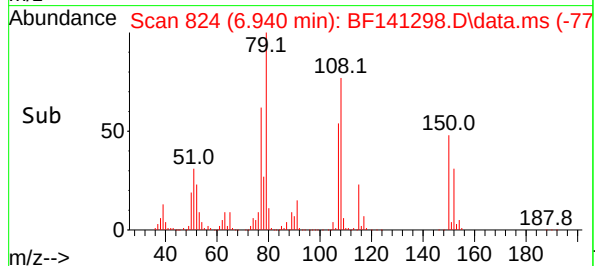
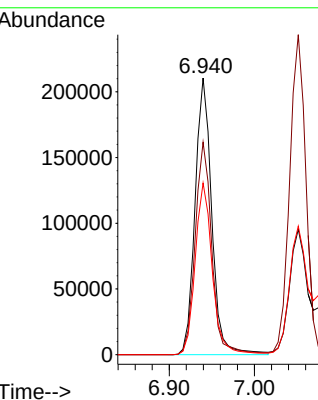
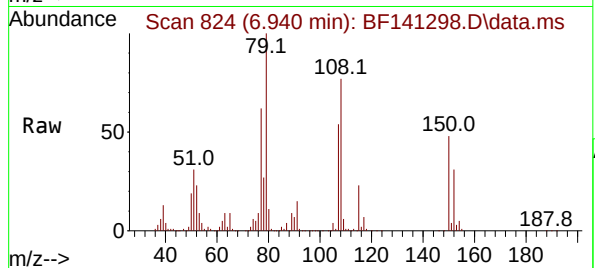
77 62.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.636 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

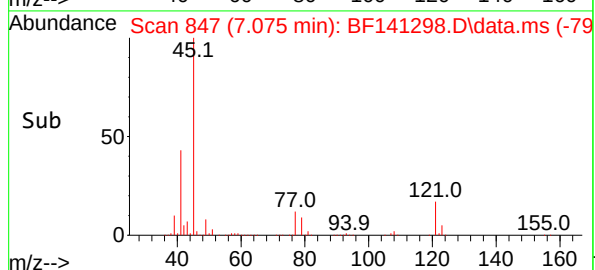
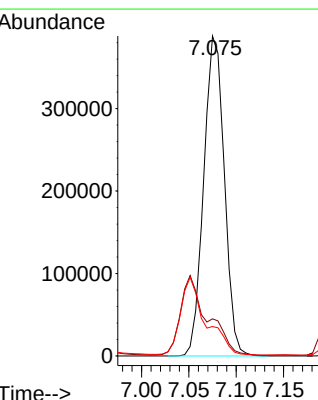
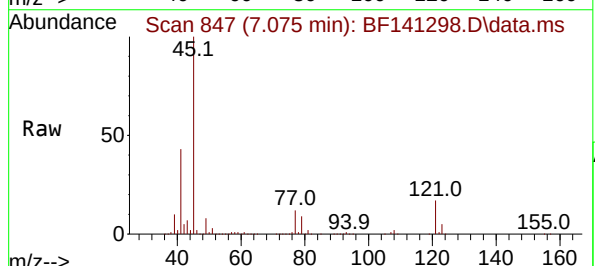
Tgt Ion: 45 Resp: 587637

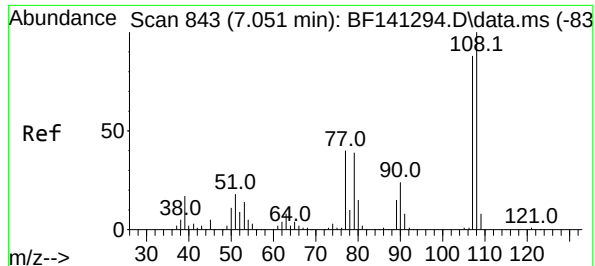
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.8

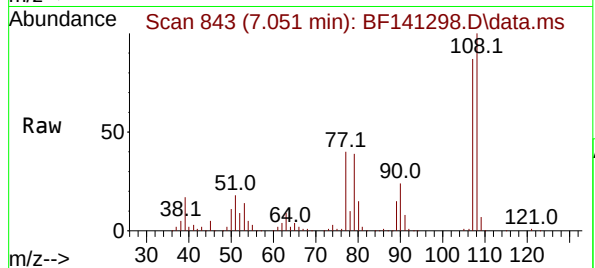
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

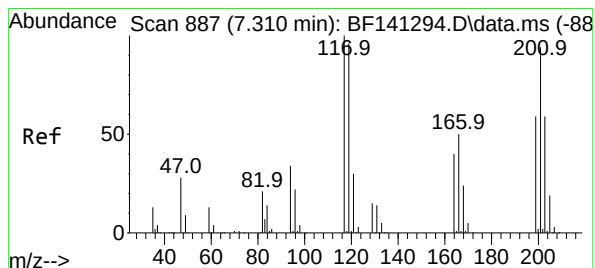
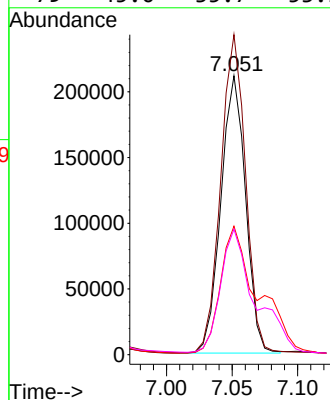
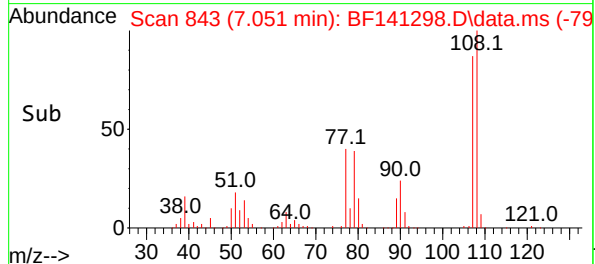
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:107 Resp: 276450
Ion Ratio Lower Upper
107 100
108 114.8 90.8 136.2
77 46.1 36.2 54.4
79 45.0 35.7 53.5

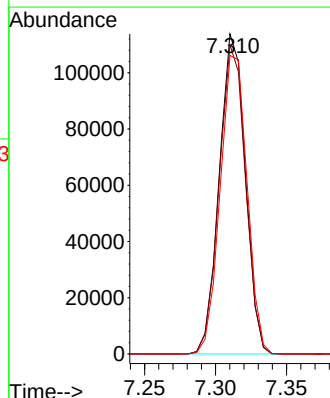
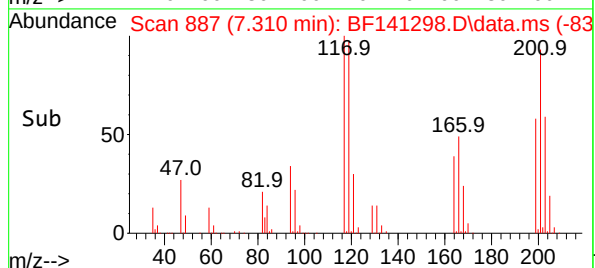
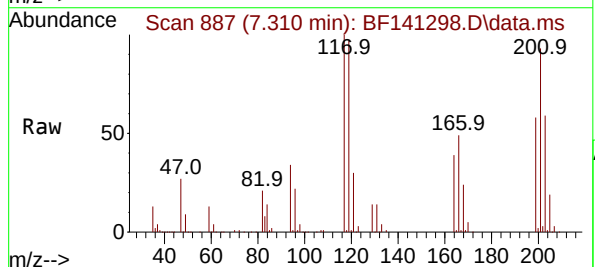
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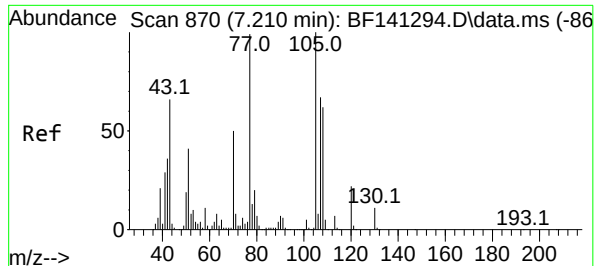
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:117 Resp: 144890
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8
201 93.3 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.848 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141298.D

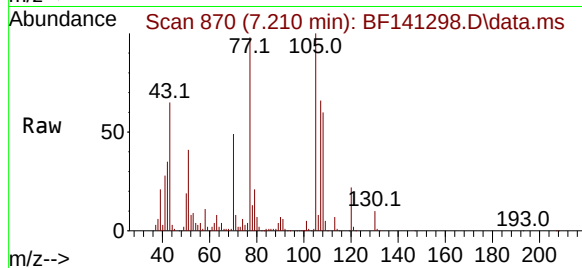
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion: 70 Resp: 241878

Ion Ratio Lower Upper

70 100

42 71.3 56.8 85.2

101 9.8 7.7 11.5

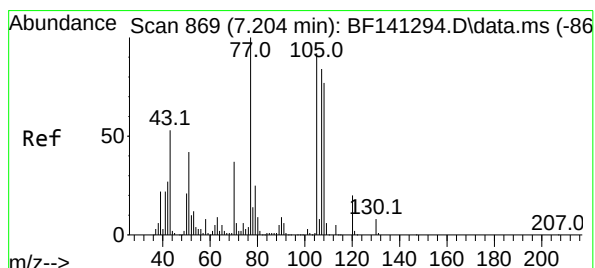
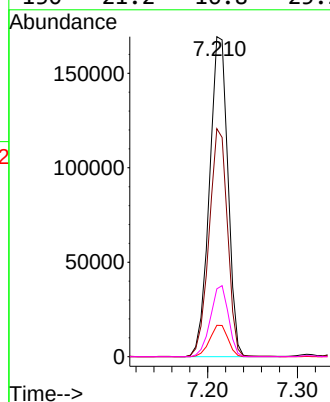
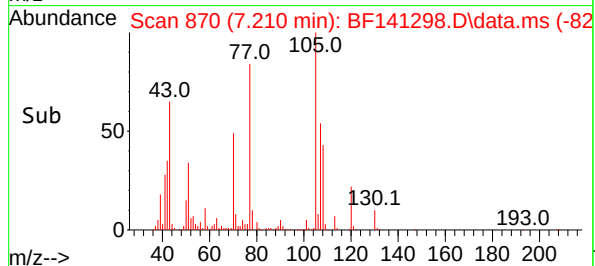
130 21.2 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 37.364 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

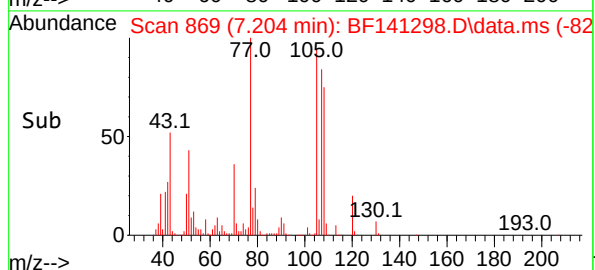
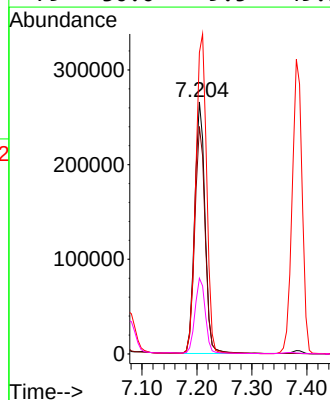
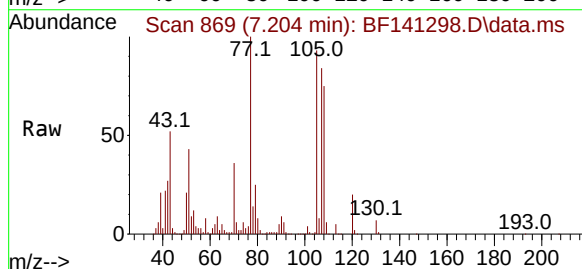
Ion Ratio Lower Upper

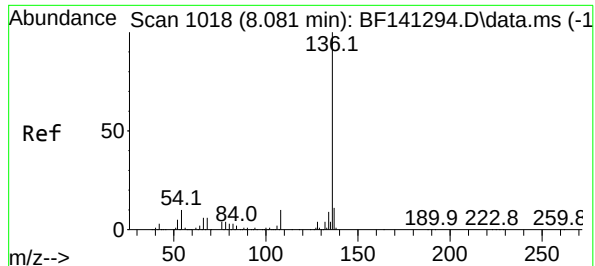
107 100

108 90.2 70.9 110.9

77 119.7 98.5 138.5

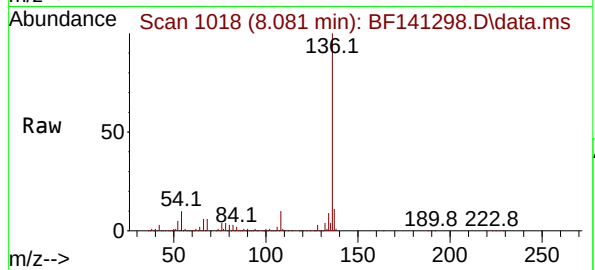
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

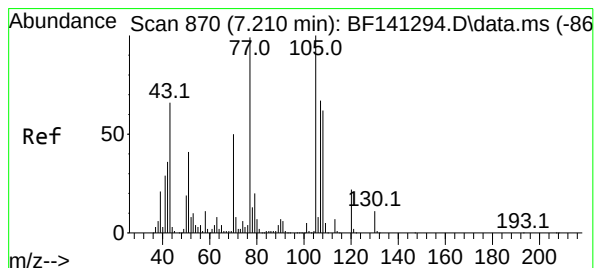
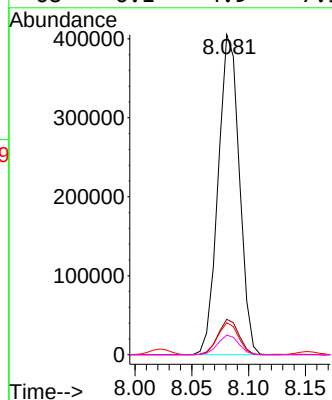
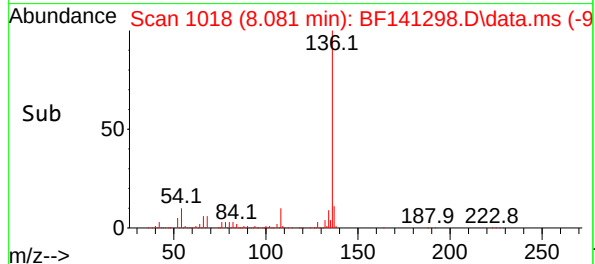
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:136 Resp: 525644
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 7.8 11.8
68 6.1 4.9 7.3

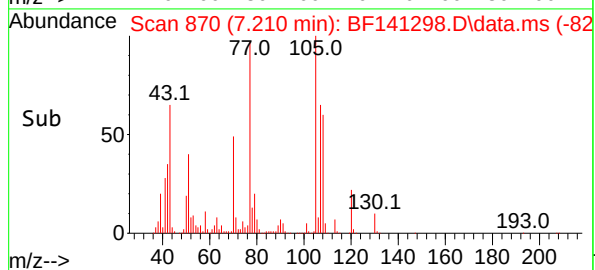
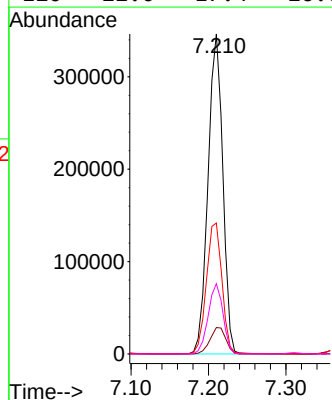
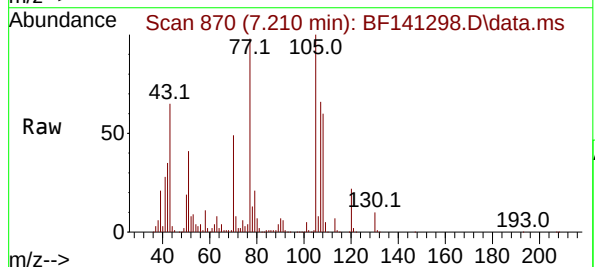
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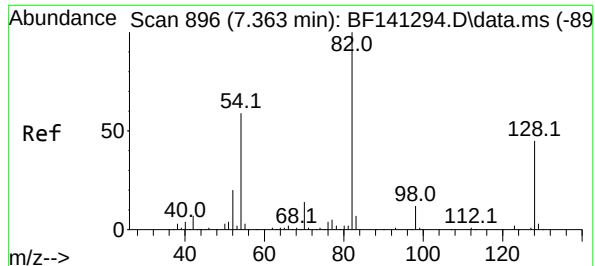
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757
Ion Ratio Lower Upper
105 100
71 8.3 6.8 10.2
51 40.9 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 75.630 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 82 Resp: 754118

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

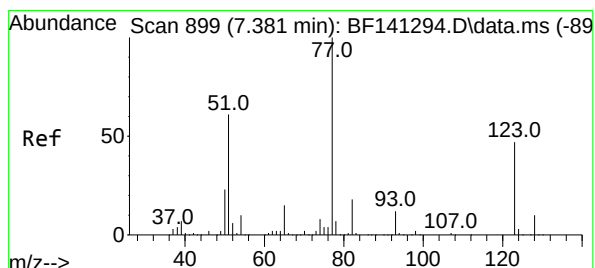
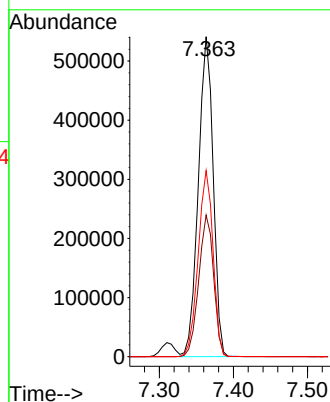
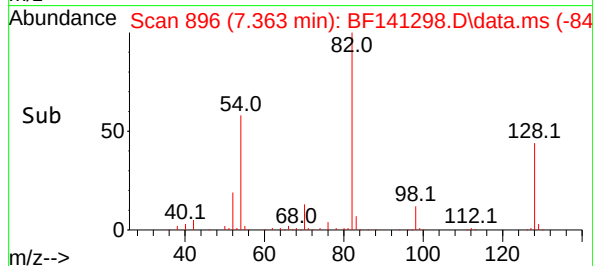
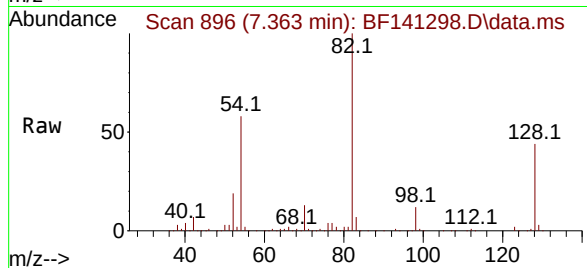
54 58.2 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 37.927 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

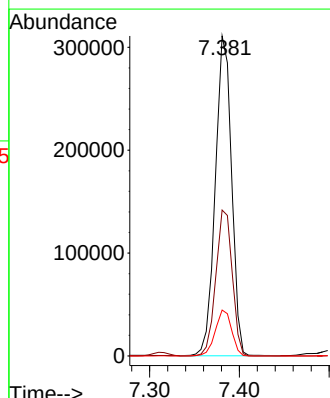
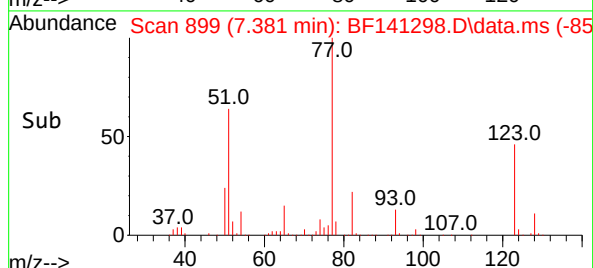
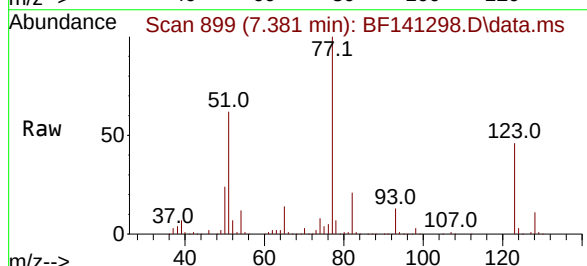
Tgt Ion: 77 Resp: 391907

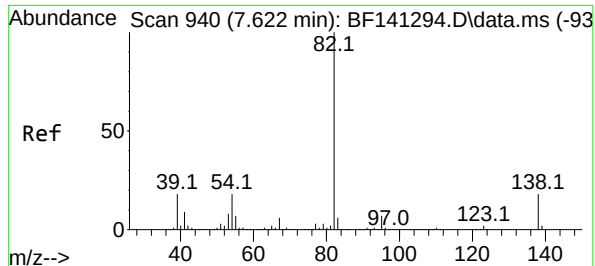
Ion Ratio Lower Upper

77 100

123 45.6 37.3 55.9

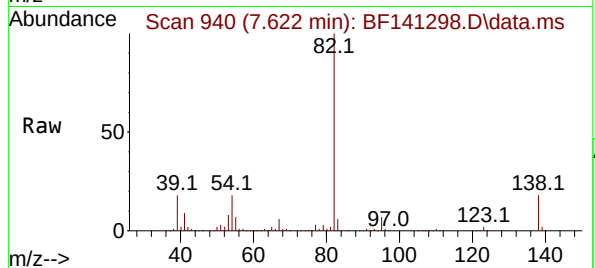
65 14.4 11.8 17.6





#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

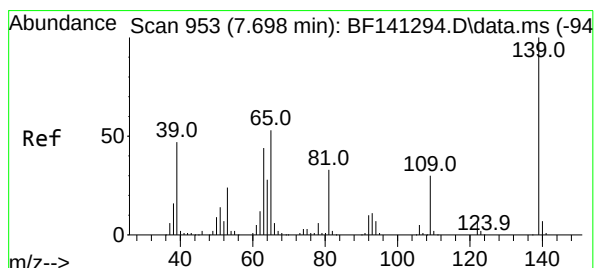
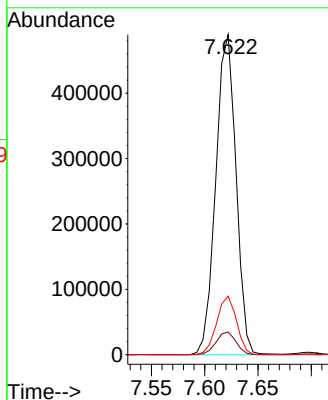
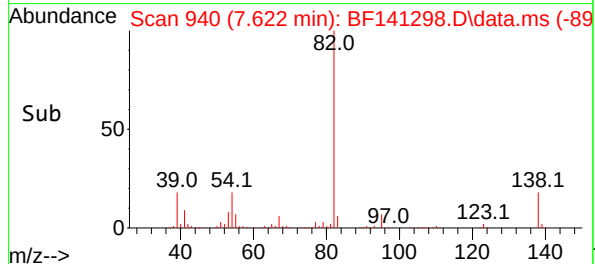
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 82 Resp: 645309
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 18.3 14.7 22.1

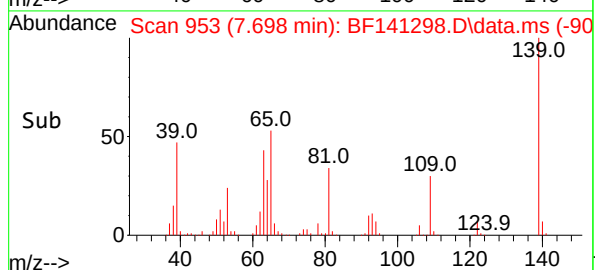
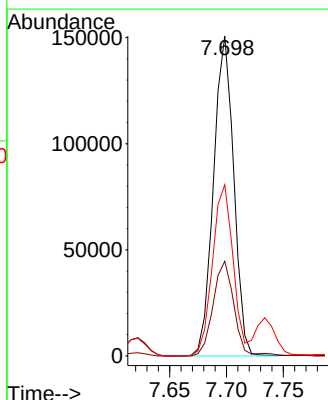
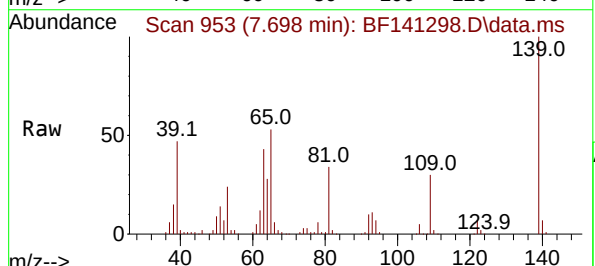
Manual Integrations
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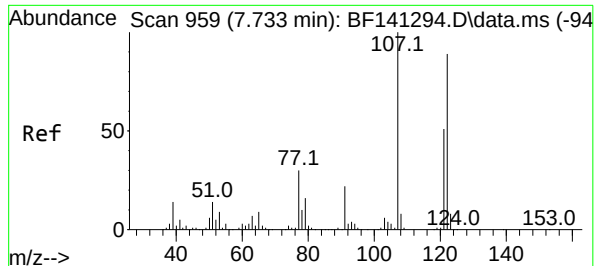
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592
Ion Ratio Lower Upper
139 100
109 29.6 23.8 35.6
65 53.5 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.055 ng m

RT: 7.734 min Scan# 9

Delta R.T. -0.006 min

Lab File: BF141298.D

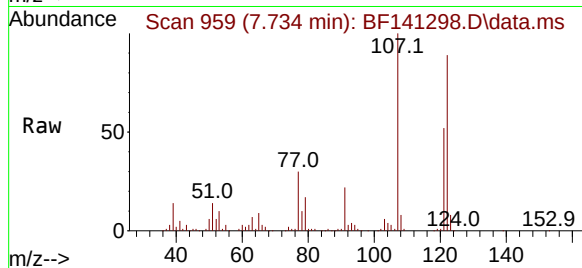
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:122 Resp: 236052

Ion Ratio Lower Upper

122 100

107 112.0 89.9 134.9

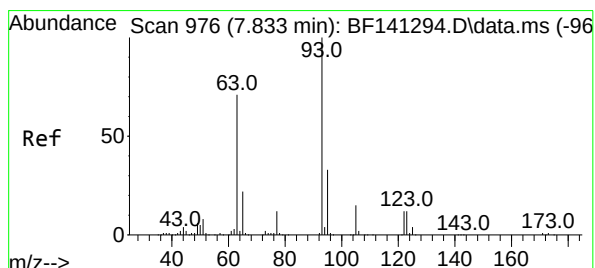
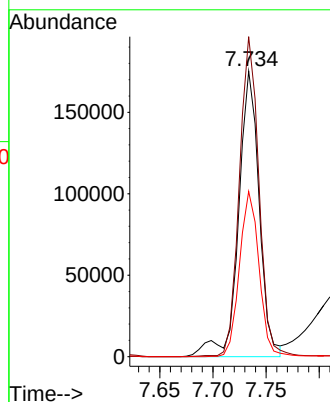
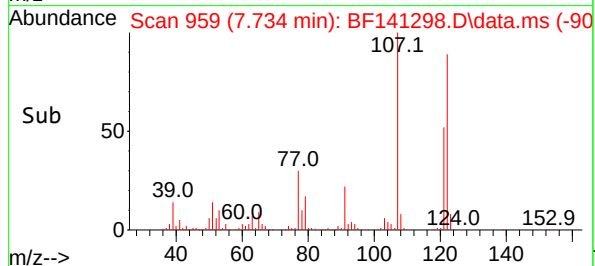
121 57.9 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.460 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

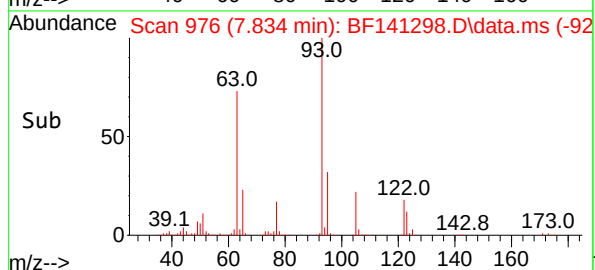
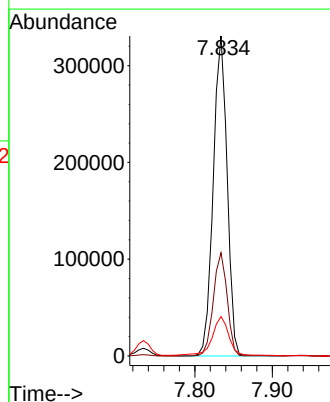
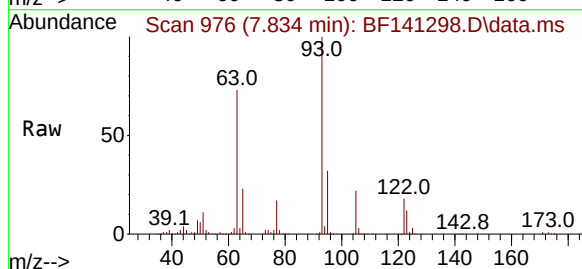
Tgt Ion: 93 Resp: 411851

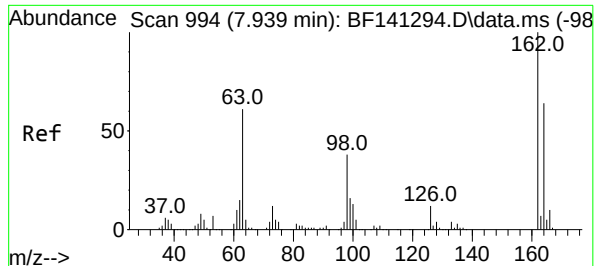
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.675 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141298.D

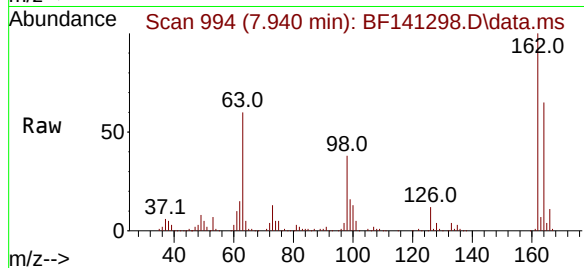
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:162 Resp: 286090

Ion Ratio Lower Upper

162 100

164 65.1 44.2 84.2

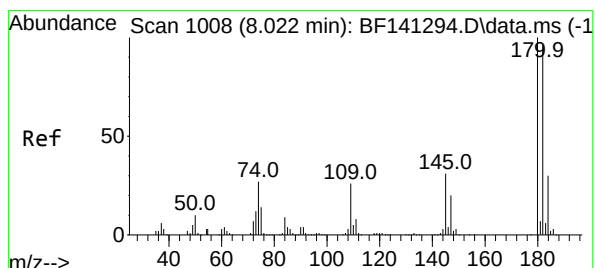
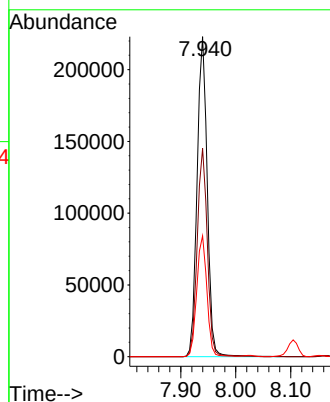
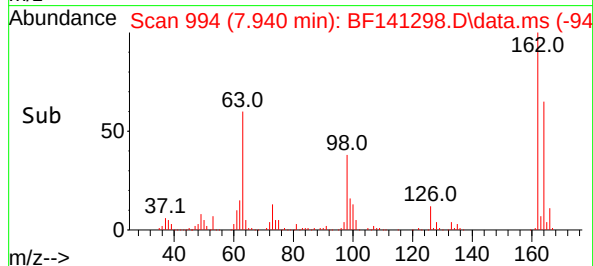
98 37.7 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

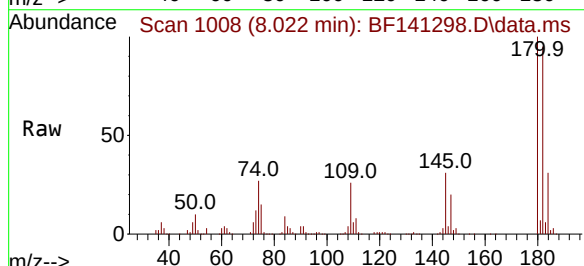
Concen: 36.488 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



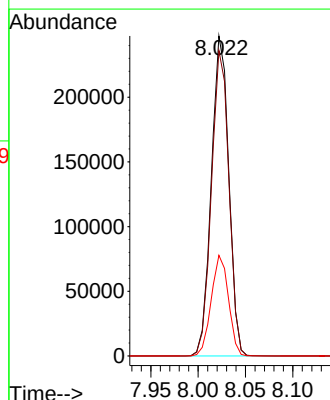
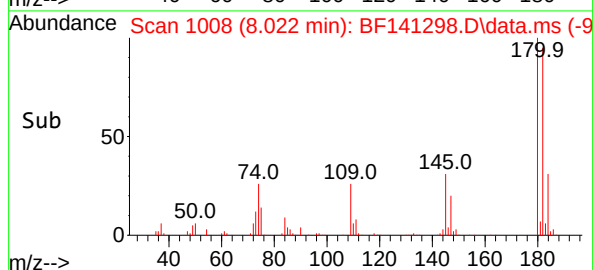
Tgt Ion:180 Resp: 316431

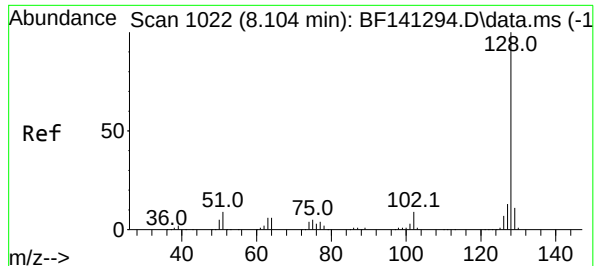
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

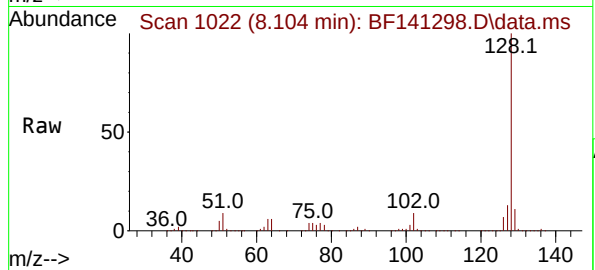
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

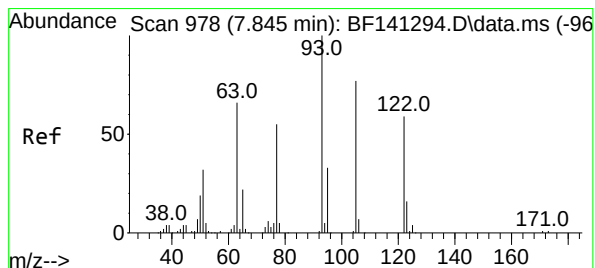
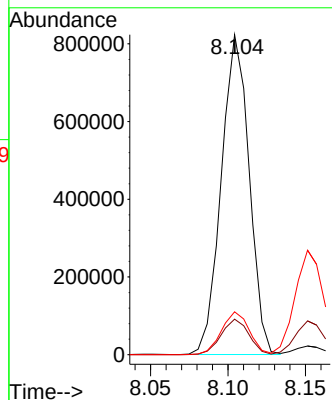
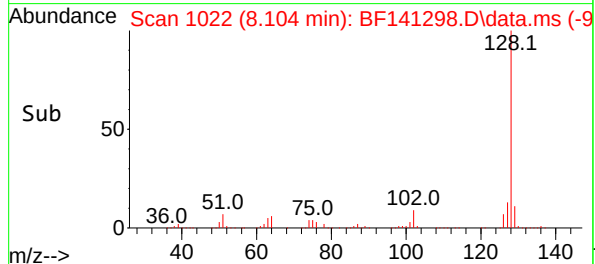
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:128 Resp: 103099
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.6 15.8

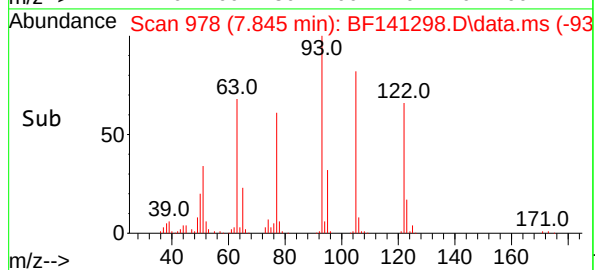
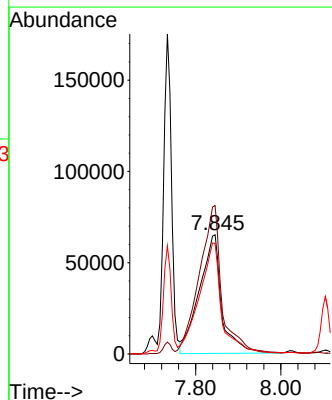
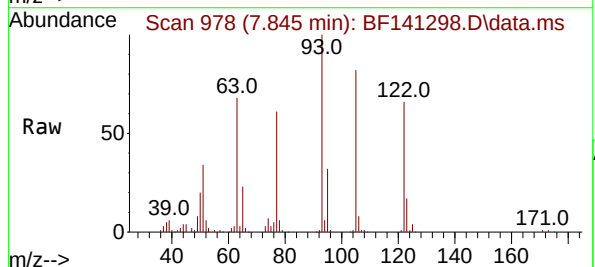
Manual Integrations
APPROVED

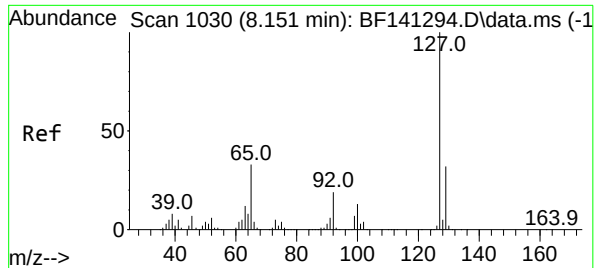
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

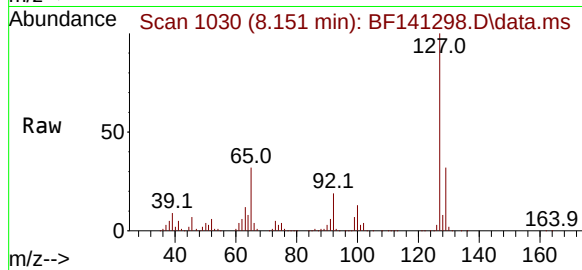
Tgt Ion:122 Resp: 236833
Ion Ratio Lower Upper
122 100
105 124.7 103.4 143.4
77 92.8 70.9 110.9





#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

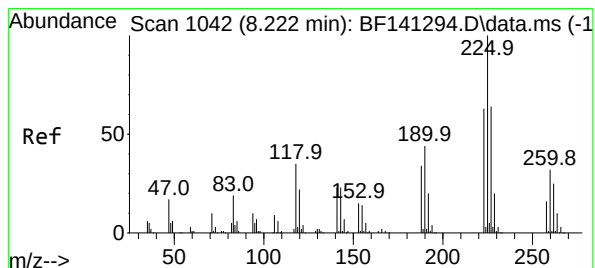
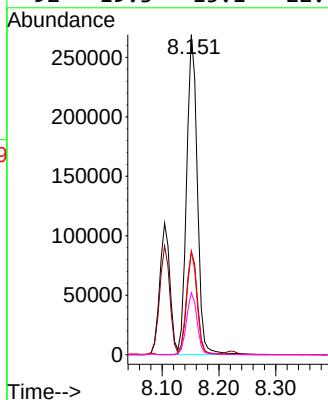
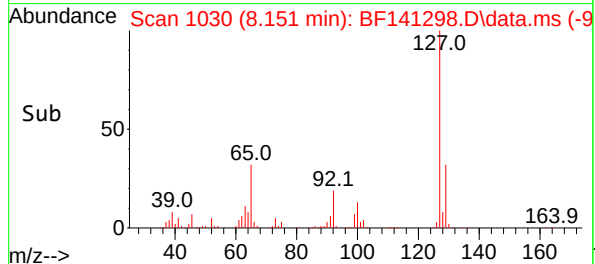
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:127 Resp: 35042
Ion Ratio Lower Upper
127 100
129 32.3 25.7 38.5
65 32.3 26.4 39.6
92 19.3 15.1 22.7

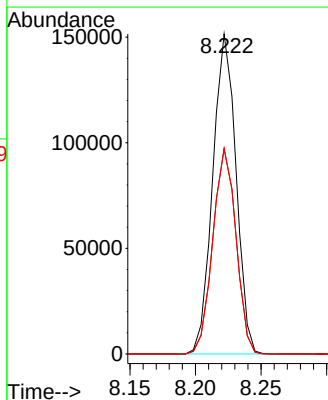
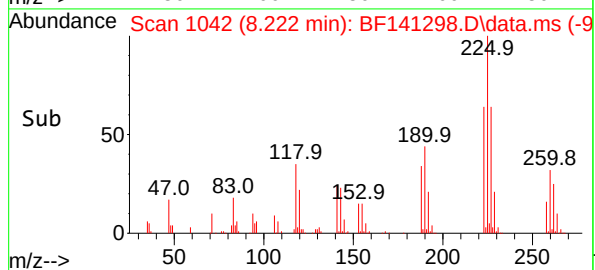
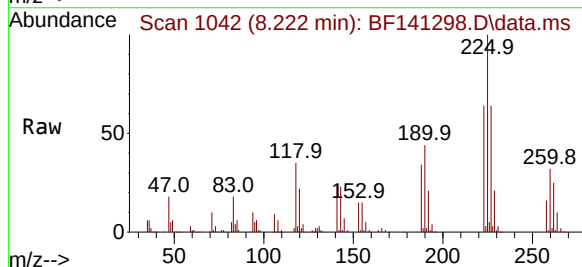
Manual Integrations
APPROVED

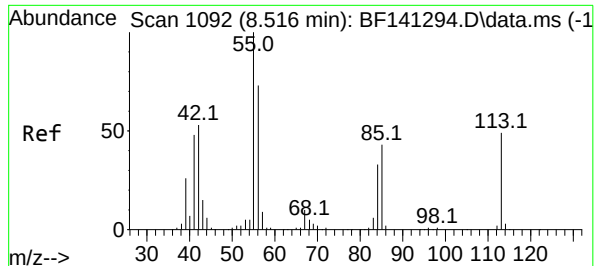
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

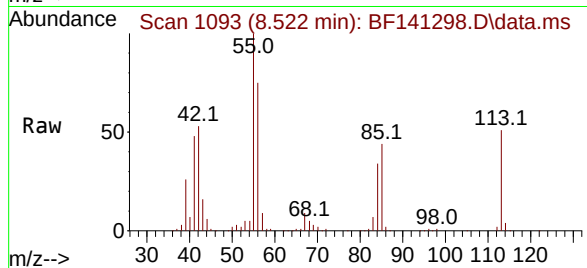
Tgt Ion:225 Resp: 186523
Ion Ratio Lower Upper
225 100
223 64.0 50.4 75.6
227 64.2 51.3 76.9





#35
 Caprolactam
 Concen: 37.662 ng
 RT: 8.522 min Scan# 1093
 Delta R.T. -0.024 min
 Lab File: BF141298.D
 Acq: 29 Jan 2025 17:31

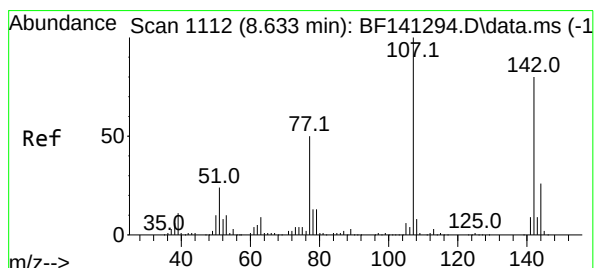
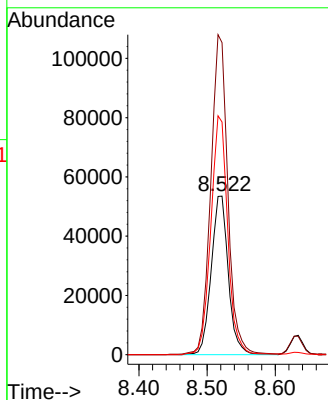
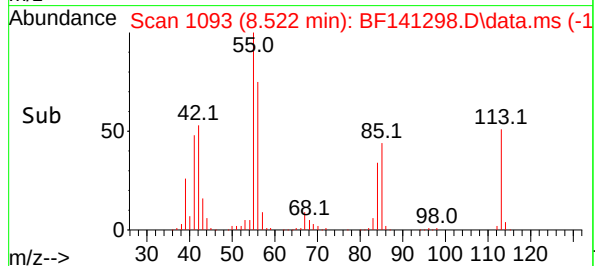
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925



Tgt Ion:113 Resp: 9340
 Ion Ratio Lower Upper
 113 100
 55 196.8 182.9 222.9
 56 146.7 127.9 167.9

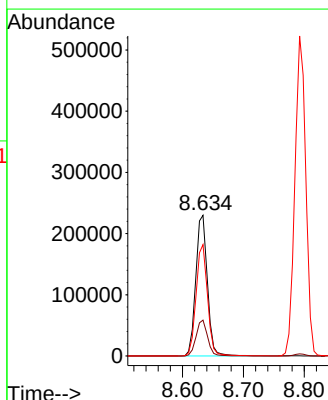
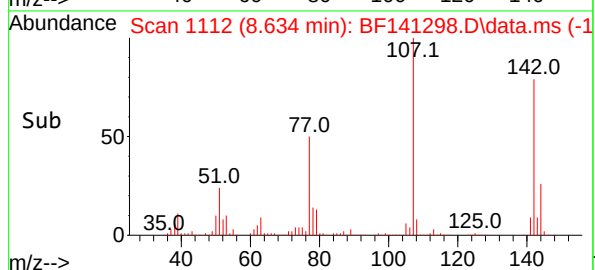
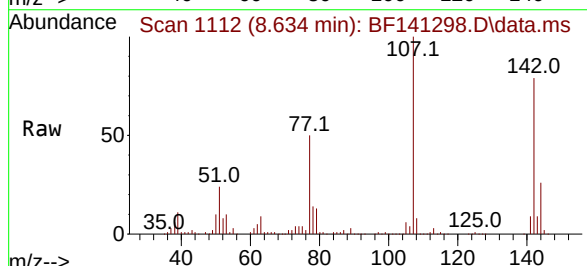
Manual Integrations
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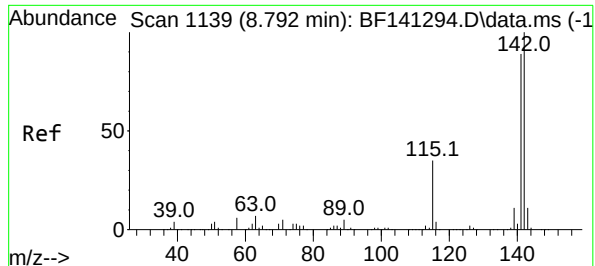
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#36
 4-Chloro-3-methylphenol
 Concen: 37.480 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141298.D
 Acq: 29 Jan 2025 17:31

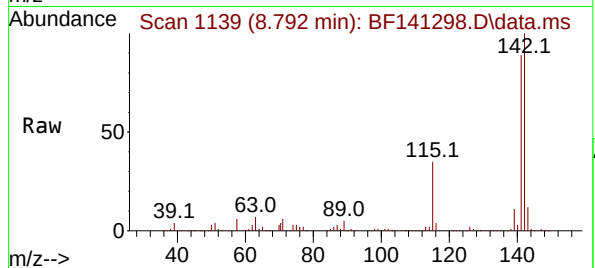
Tgt Ion:107 Resp: 305288
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.7 31.1
 142 79.1 63.8 95.8





#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

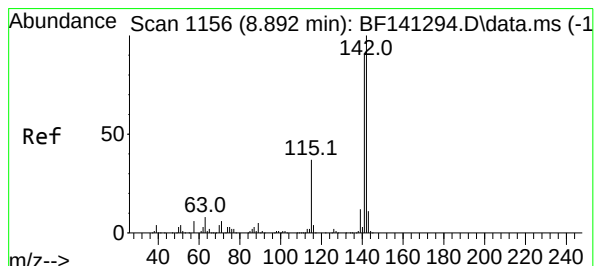
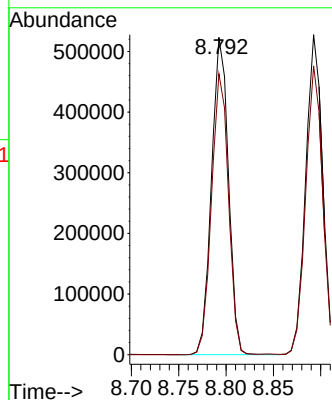
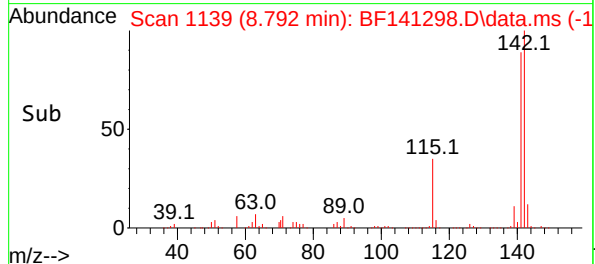
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:142 Resp: 65122
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9

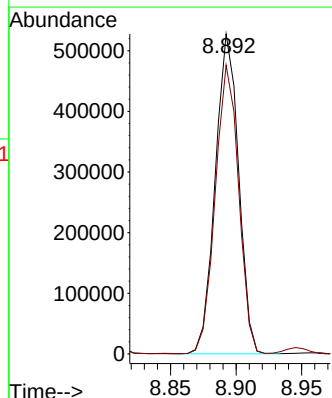
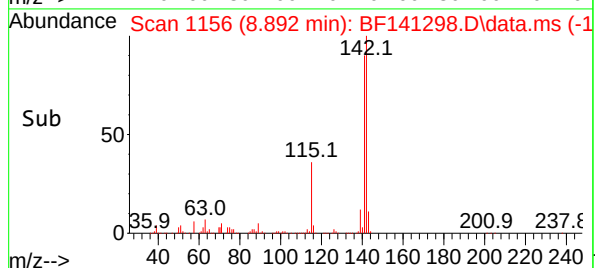
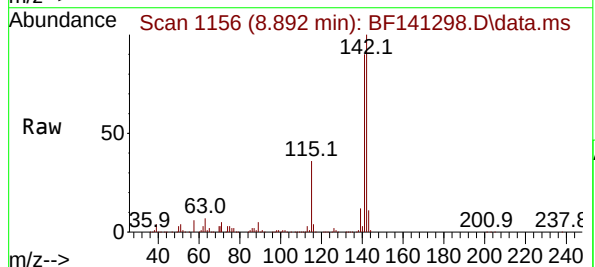
Manual Integrations
APPROVED

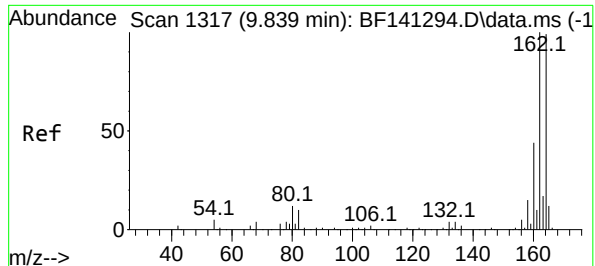
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341
Ion Ratio Lower Upper
142 100
141 90.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141298.D

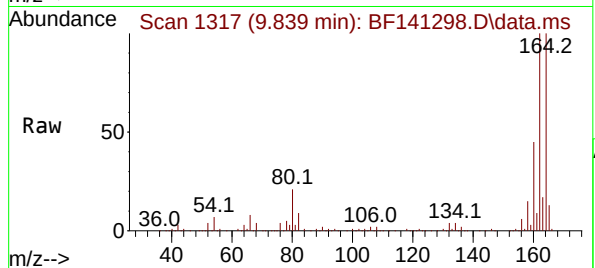
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:164 Resp: 279764

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

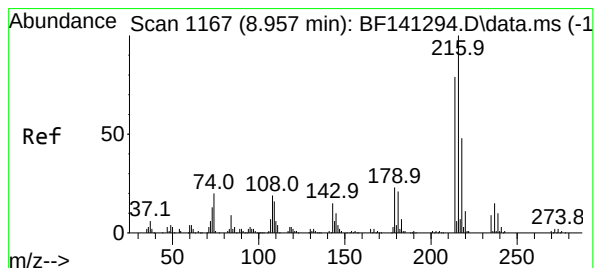
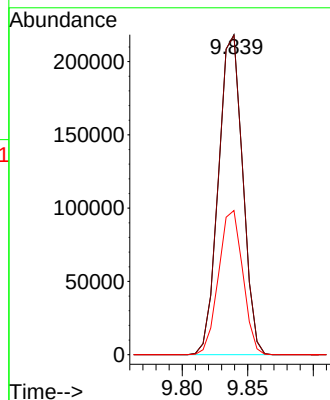
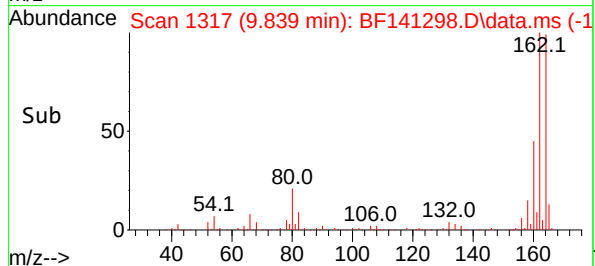
160 45.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

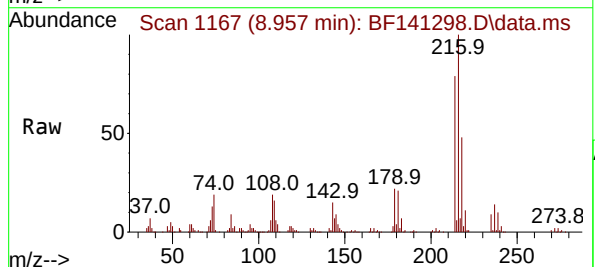
Concen: 37.226 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:216 Resp: 296277

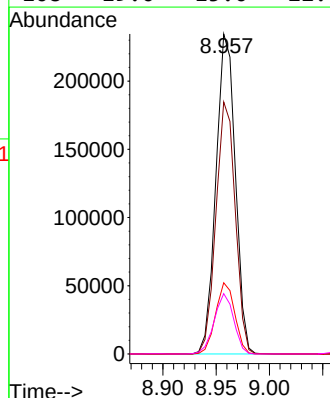
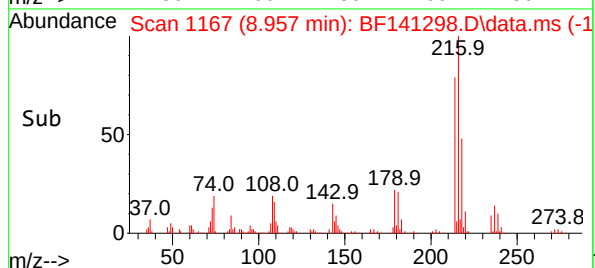
Ion Ratio Lower Upper

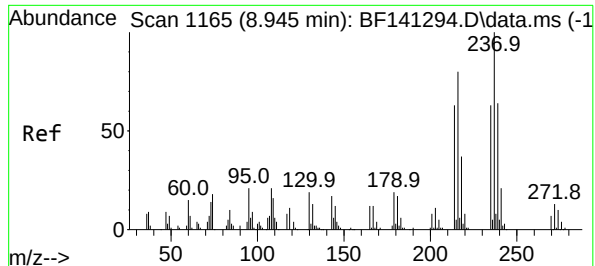
216 100

214 78.4 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 39.961 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

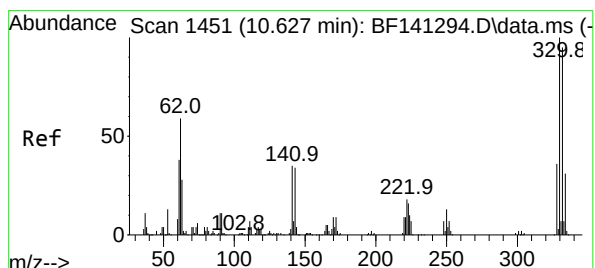
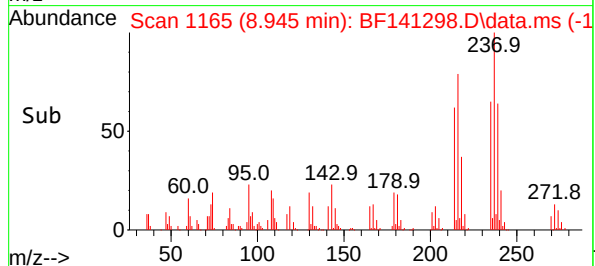
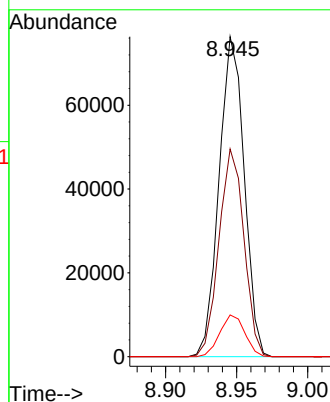
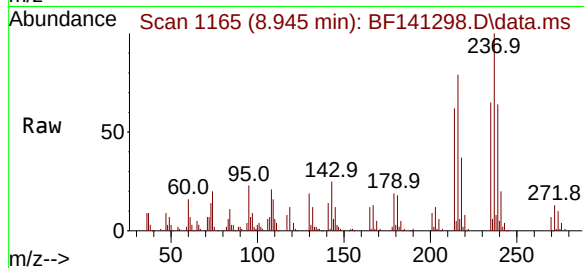
ICVBF012925

Tgt Ion:	237	Resp:	93930
Ion	Ratio	Lower	Upper
237	100		
235	64.9	42.9	82.9
272	13.1	0.0	32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#42

2,4,6-Tribromophenol

Concen: 75.161 ng

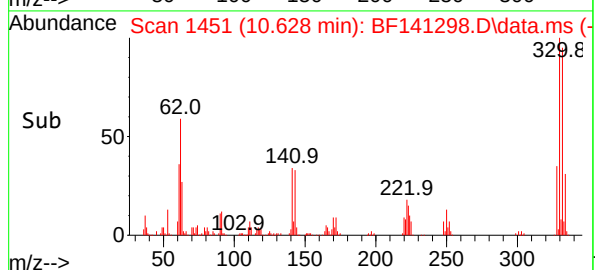
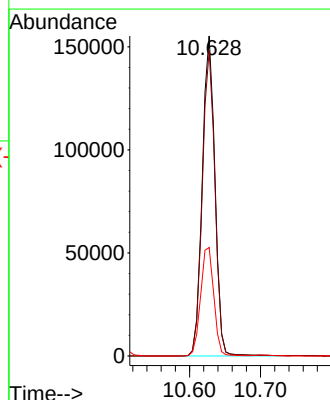
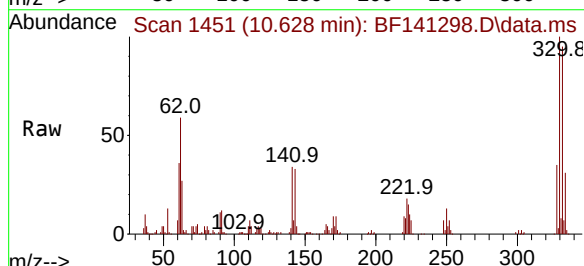
RT: 10.628 min Scan# 1451

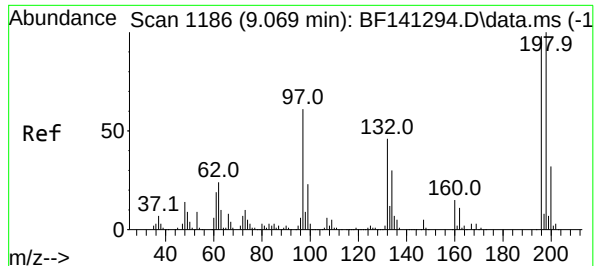
Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

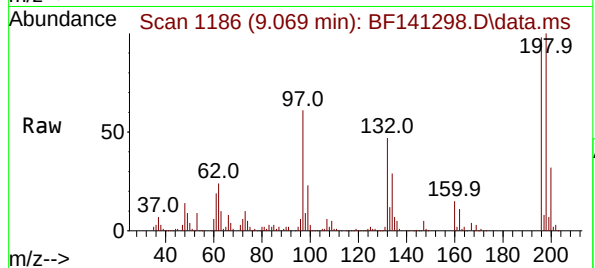
Tgt Ion:	330	Resp:	192773
Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.1	114.1
141	35.5	28.8	43.2





#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

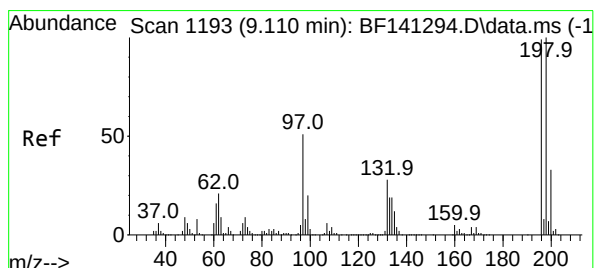
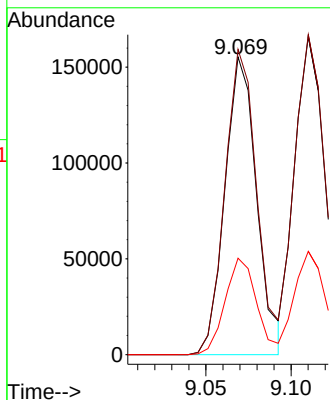
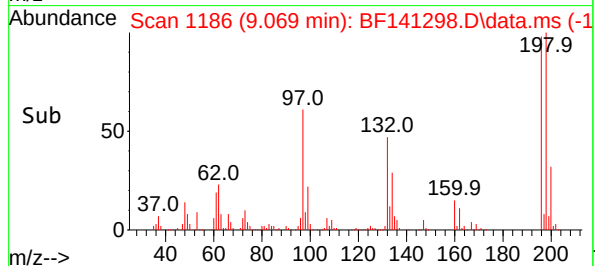
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:196 Resp: 201214
Ion Ratio Lower Upper
196 100
198 102.5 81.8 122.6
200 32.4 26.3 39.5

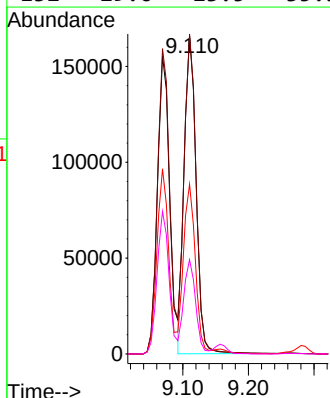
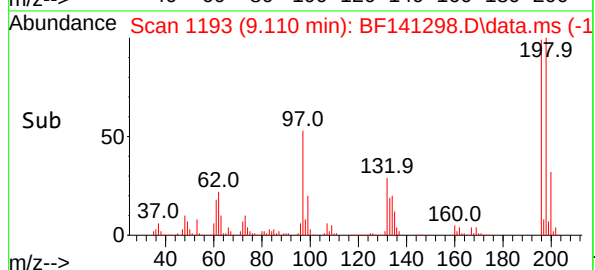
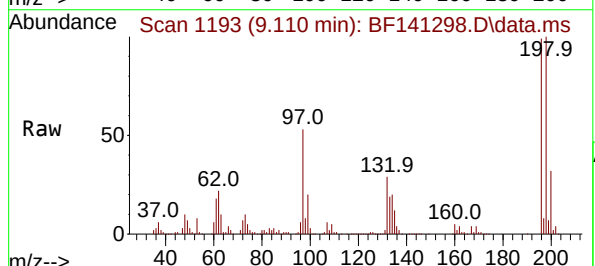
Manual Integrations
APPROVED

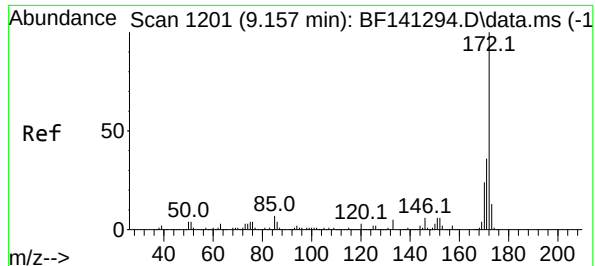
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 209611
Ion Ratio Lower Upper
196 100
198 100.6 80.5 120.7
97 53.3 42.8 64.2
132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 72.938 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141298.D

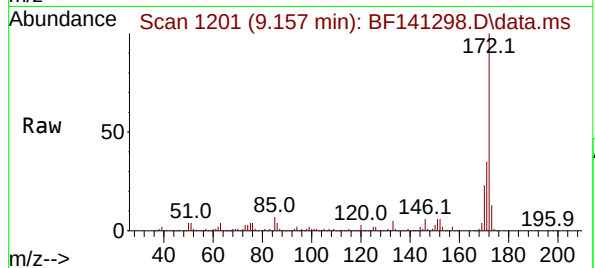
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:172 Resp: 132572

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

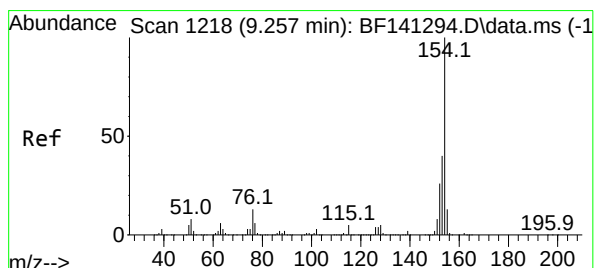
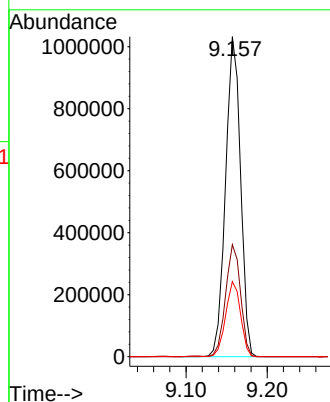
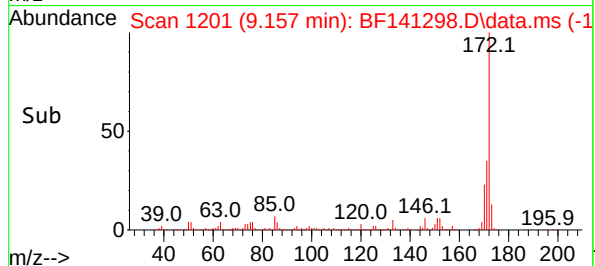
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

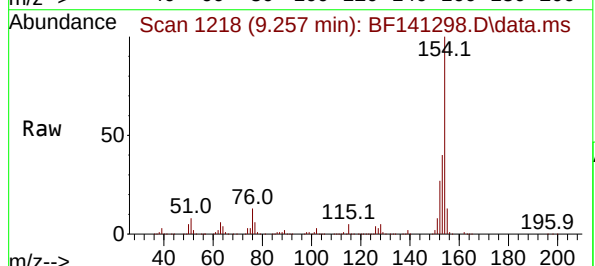
Concen: 37.111 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



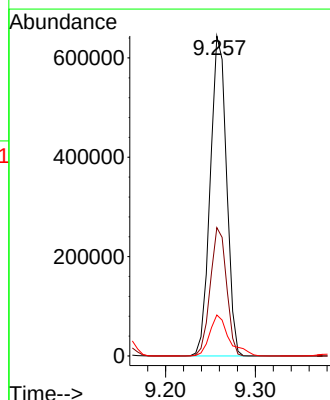
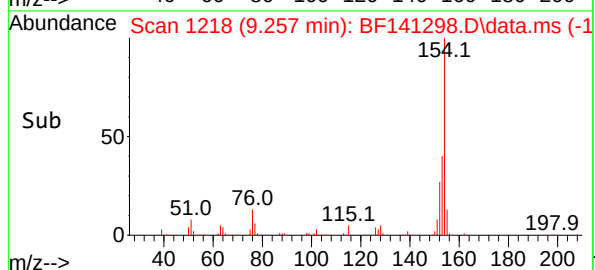
Tgt Ion:154 Resp: 809694

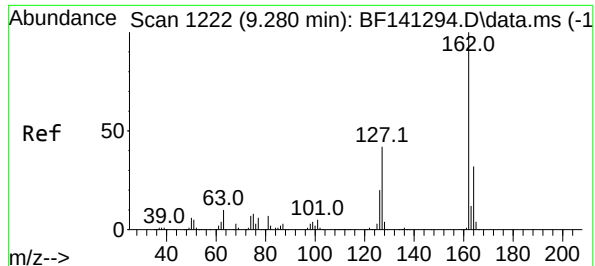
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.837 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

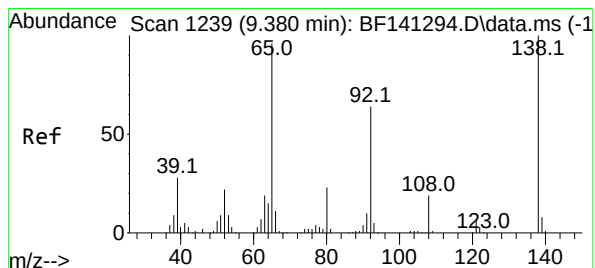
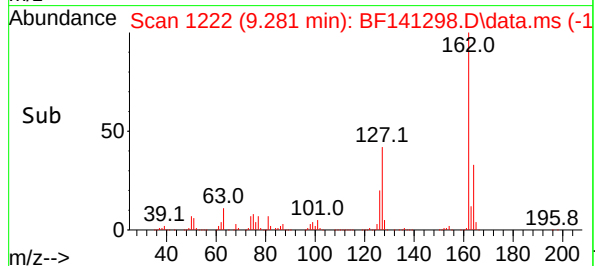
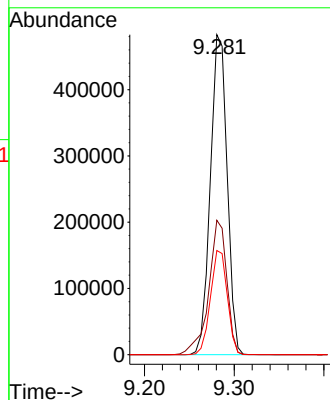
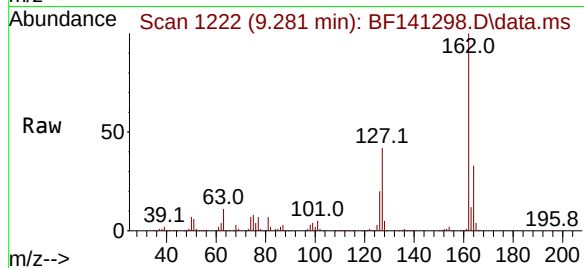
ClientSampleId :

ICVBF012925

Tgt Ion:162 Resp: 62645
Ion Ratio Lower Upper
162 100
127 42.0 33.7 50.5
164 32.5 25.9 38.9

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 37.970 ng

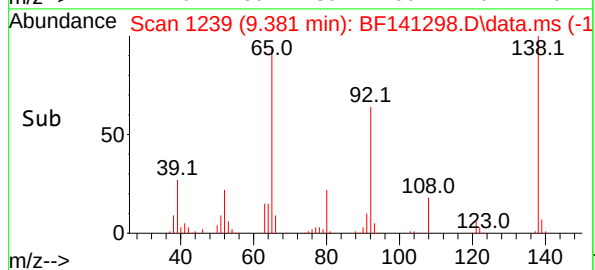
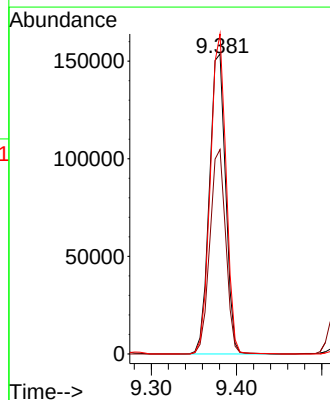
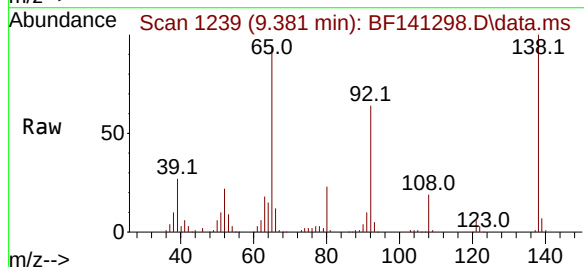
RT: 9.381 min Scan# 1239

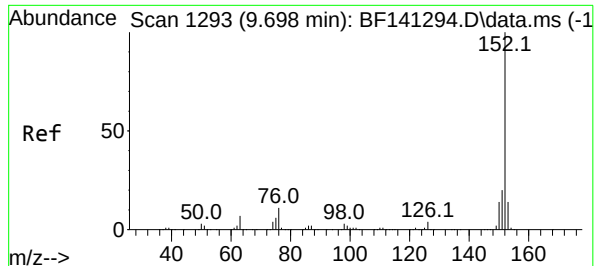
Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104
Ion Ratio Lower Upper
65 100
92 68.1 53.3 79.9
138 106.7 83.6 125.4





#49

Acenaphthylene

Concen: 37.416 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141298.D

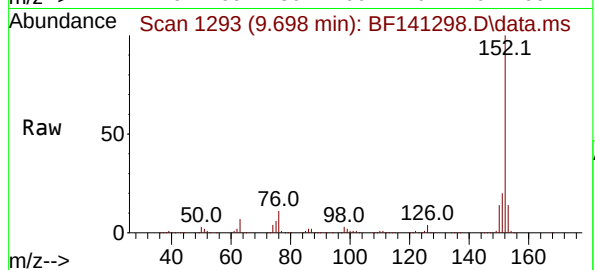
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:152 Resp: 890709

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

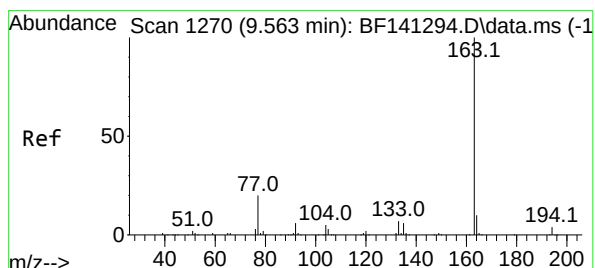
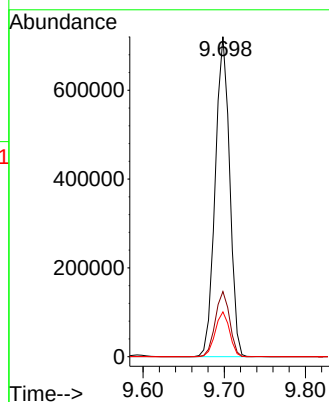
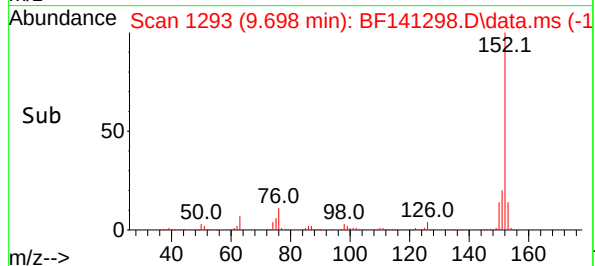
153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

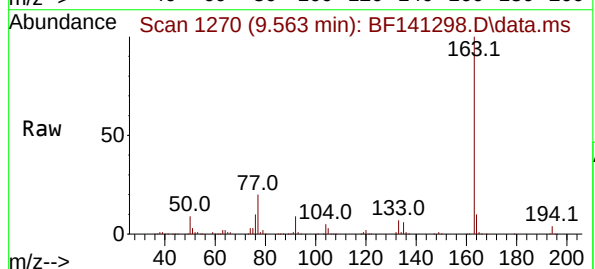
Concen: 36.904 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



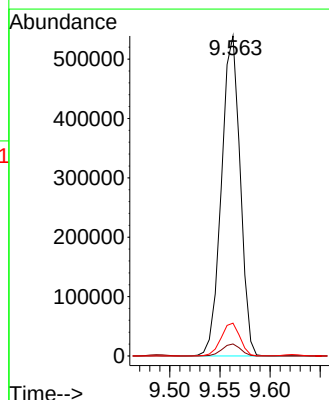
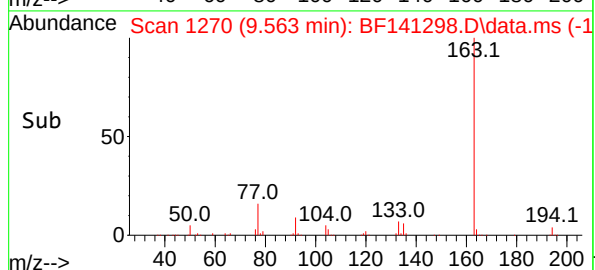
Tgt Ion:163 Resp: 697300

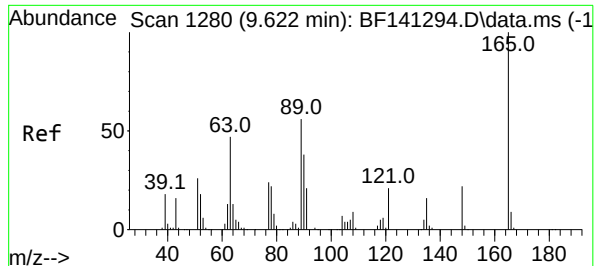
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

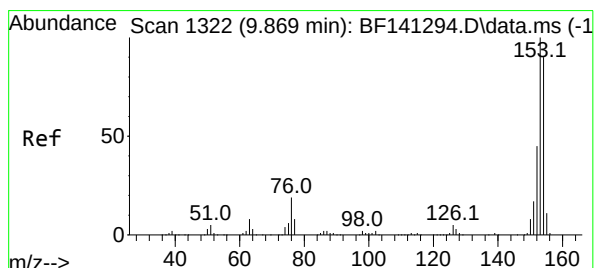
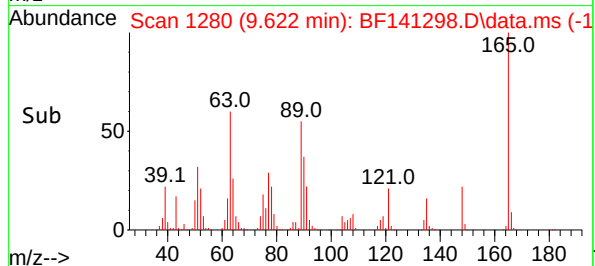
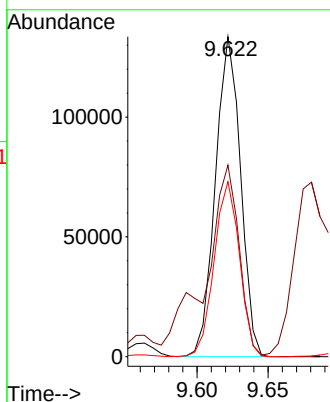
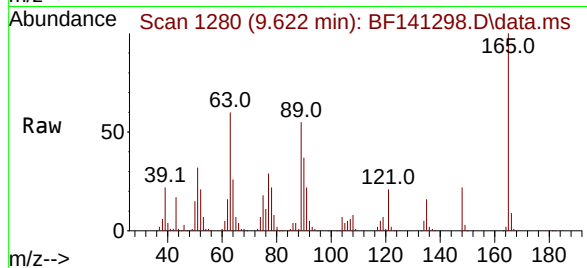
ClientSampleId :

ICVBF012925

Tgt Ion:165 Resp: 16434
Ion Ratio Lower Upper
165 100
63 59.9 48.1 72.1
89 54.7 44.9 67.3

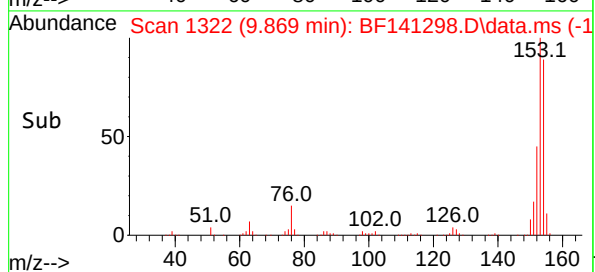
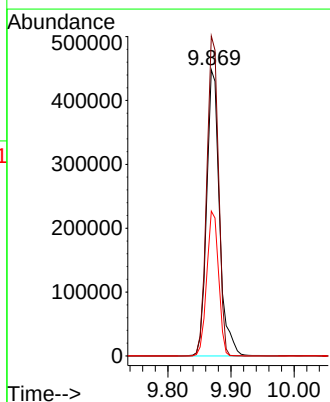
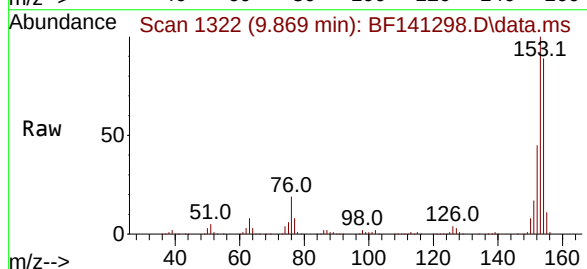
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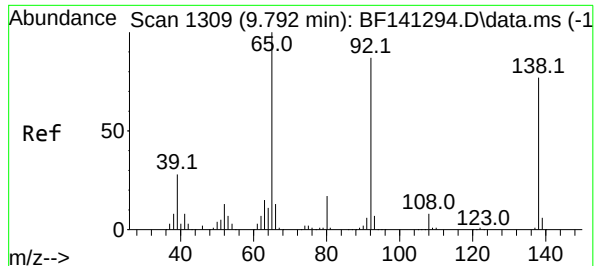
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

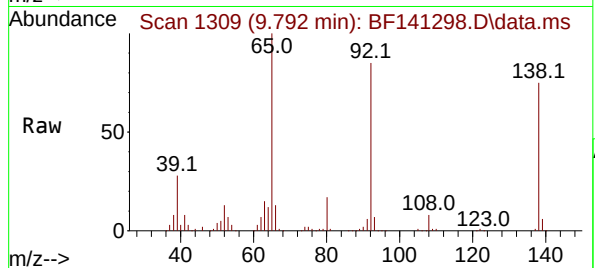
Tgt Ion:154 Resp: 632756
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.6 40.2 60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

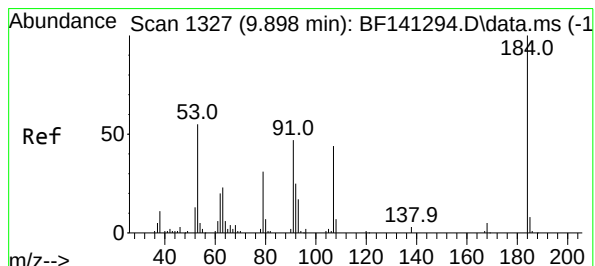
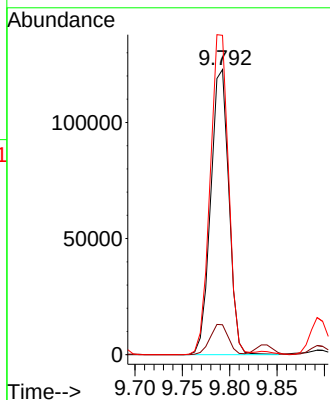
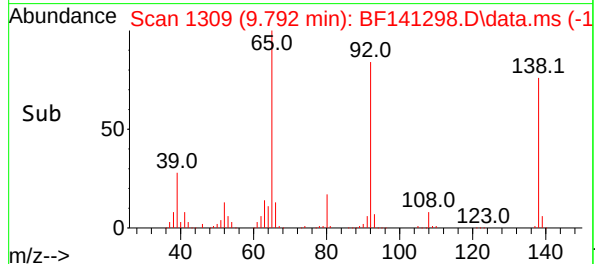
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



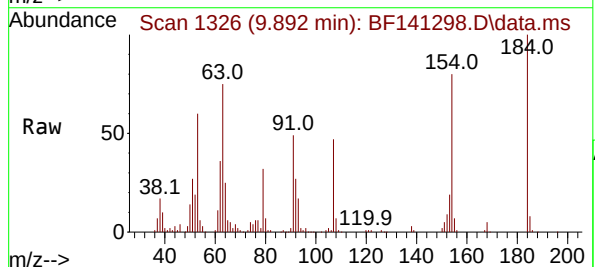
Tgt Ion:138 Resp: 16404
Ion Ratio Lower Upper
138 100
108 10.5 8.6 12.8
92 112.1 91.0 136.6

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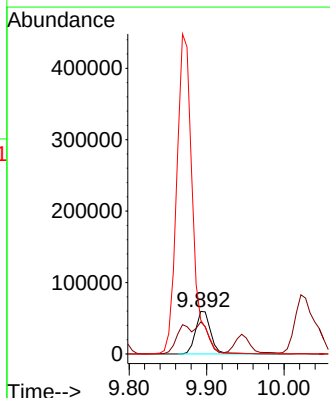
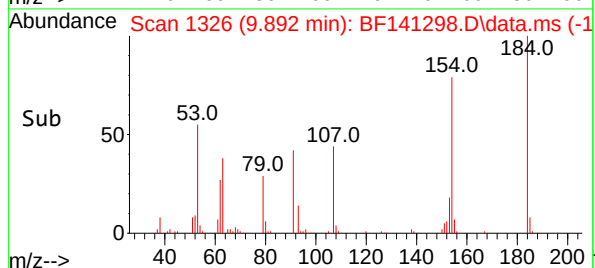
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

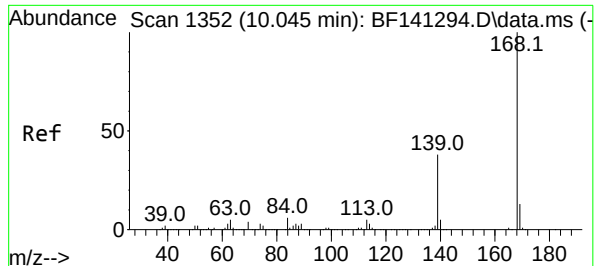


#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:184 Resp: 81034
Ion Ratio Lower Upper
184 100
63 75.3 54.1 81.1
154 79.6 50.7 76.1#





#55

Dibenzofuran

Concen: 37.012 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:168 Resp: 84255

Ion Ratio Lower Upper

168 100

139 38.2 30.6 46.0

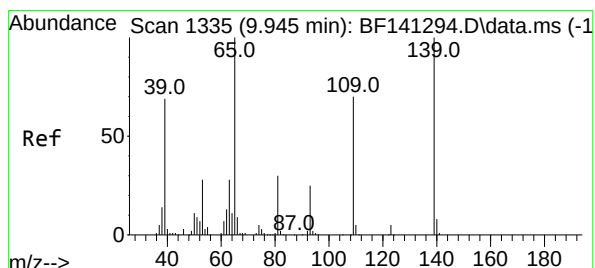
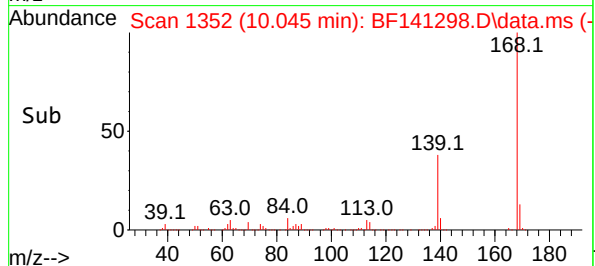
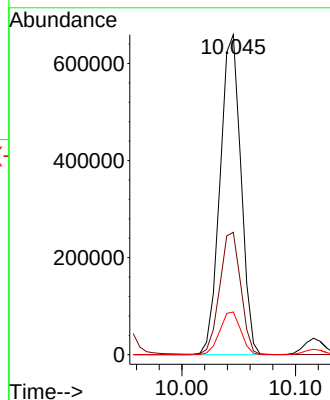
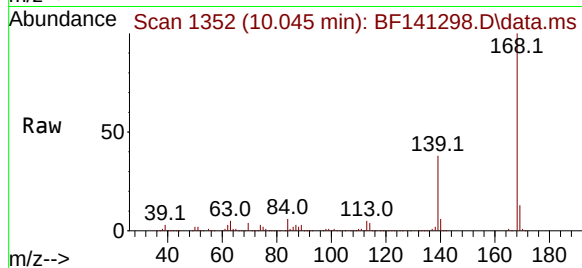
169 13.4 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 39.089 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

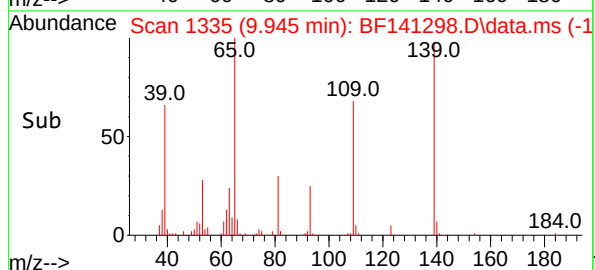
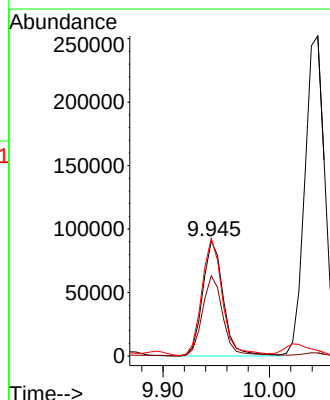
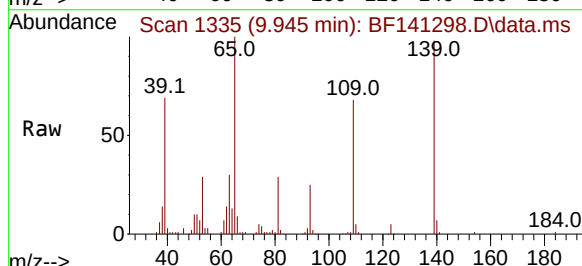
Tgt Ion:139 Resp: 122925

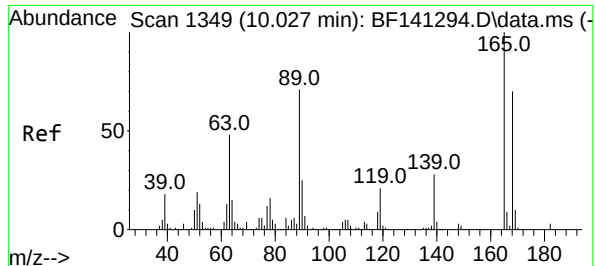
Ion Ratio Lower Upper

139 100

109 69.7 50.2 90.2

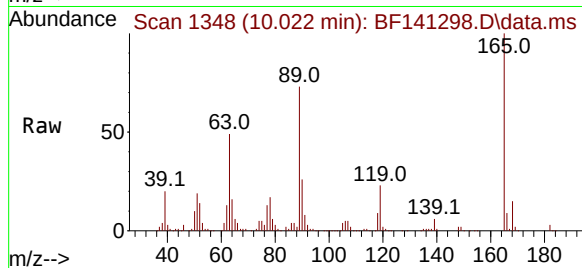
65 102.4 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

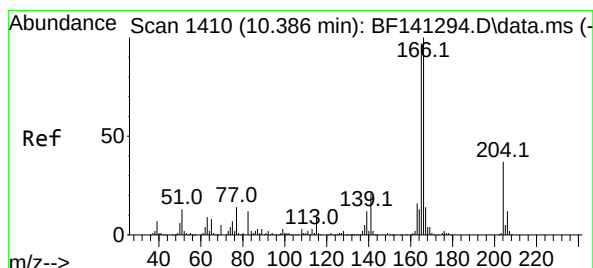
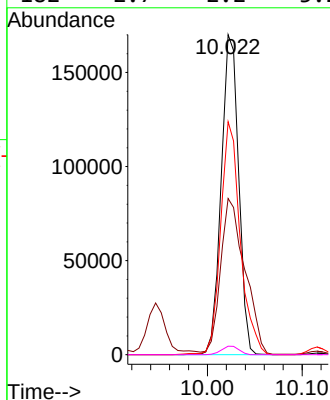
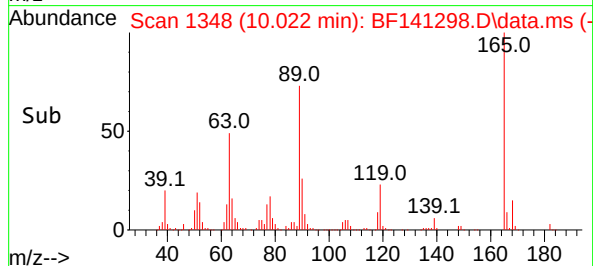
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:165 Resp: 21770
Ion Ratio Lower Upper
165 100
63 48.8 39.2 58.8
89 72.8 56.9 85.3
182 2.7 2.2 3.2

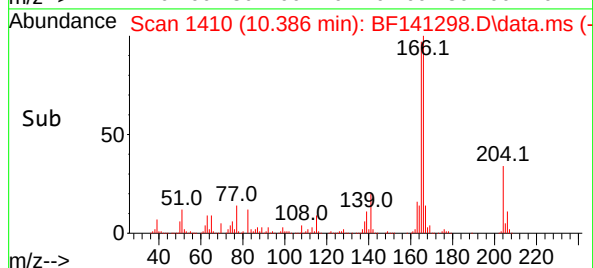
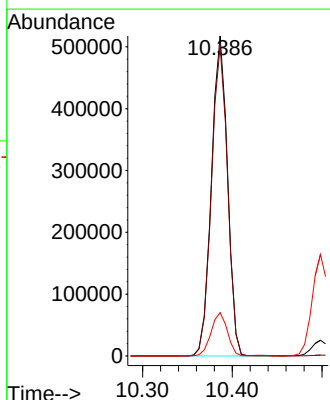
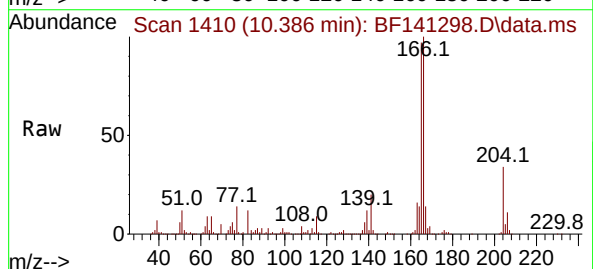
Manual Integrations
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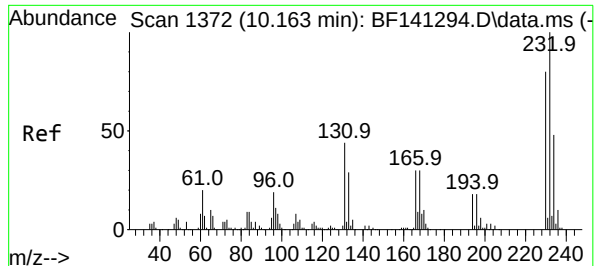
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

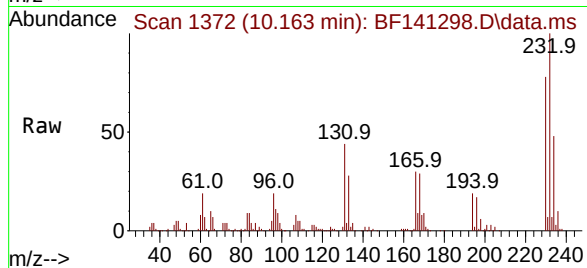
Tgt Ion:166 Resp: 643639
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

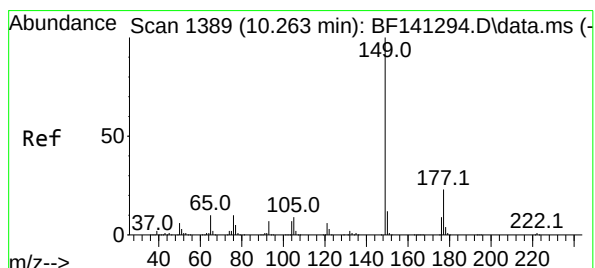
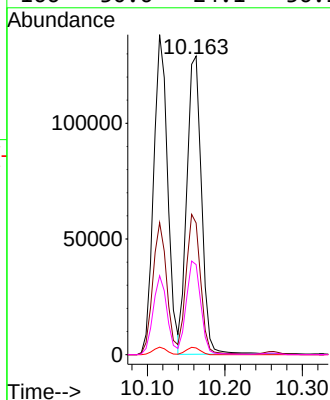
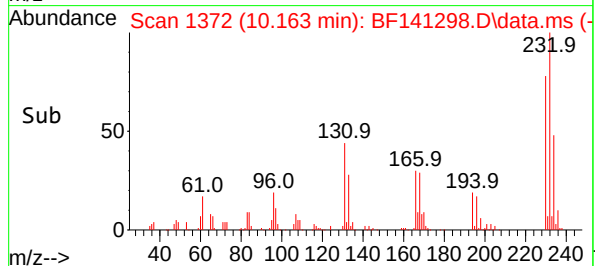
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:232 Resp: 169061
Ion Ratio Lower Upper
232 100
131 46.5 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

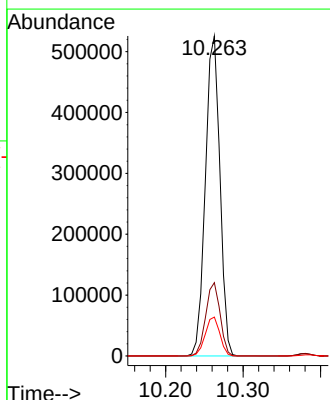
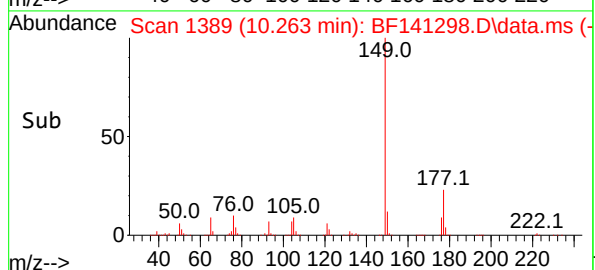
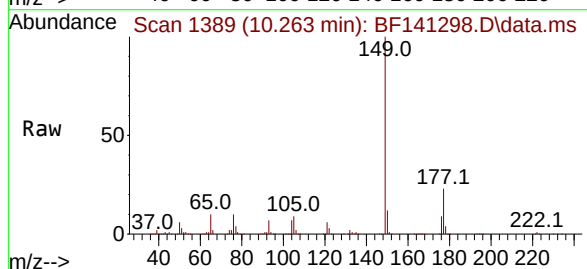
Manual Integrations
APPROVED

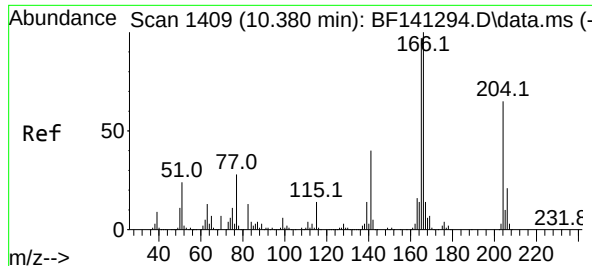
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 683674
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.1 10.0 15.0





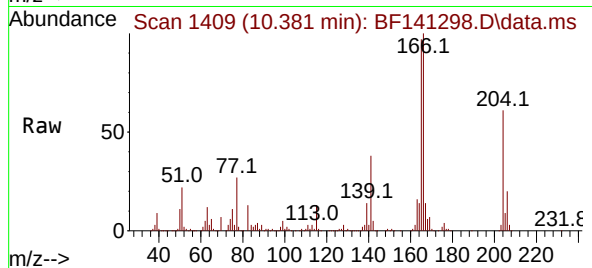
#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

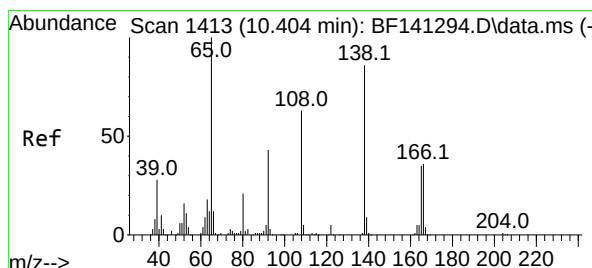
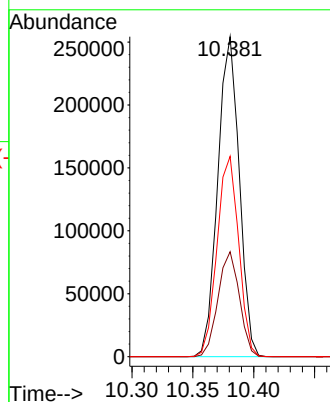
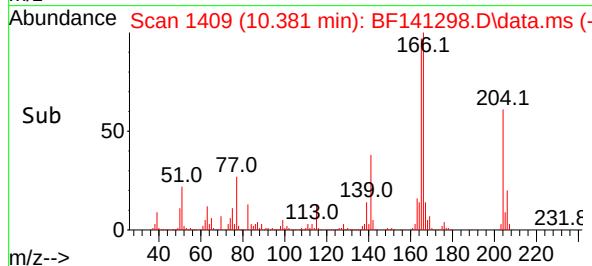


Tgt Ion:204 Resp: 31206
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 62.6 49.5 74.3

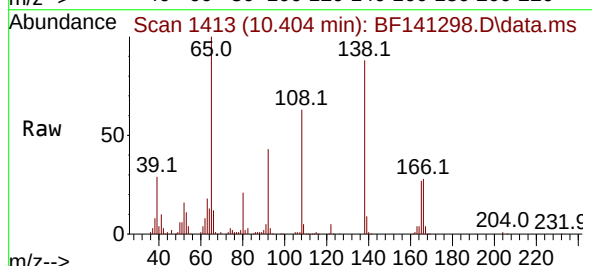
Manual Integrations

APPROVED

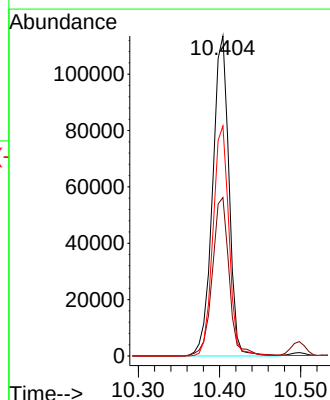
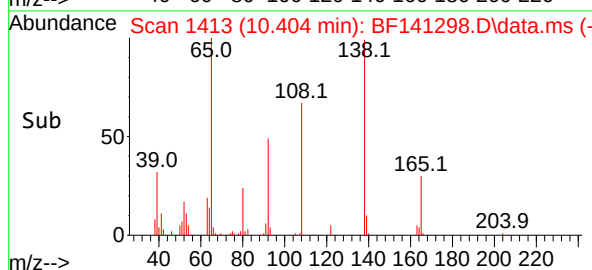
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

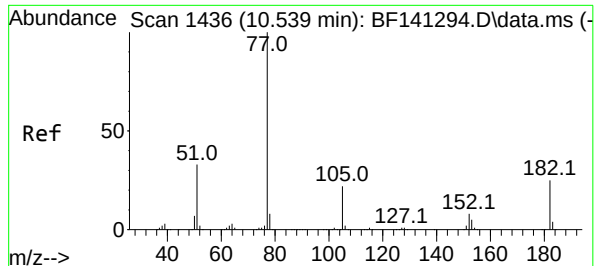


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:138 Resp: 159227
Ion Ratio Lower Upper
138 100
92 49.5 30.1 70.1
108 71.9 53.1 93.1





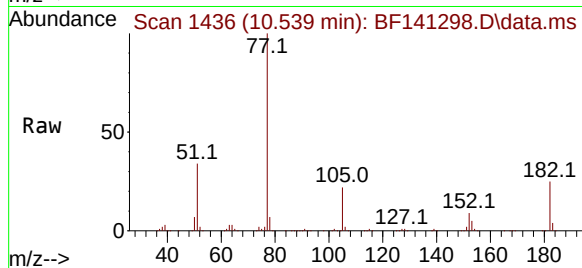
#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

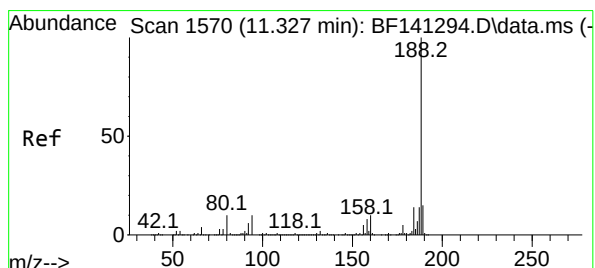
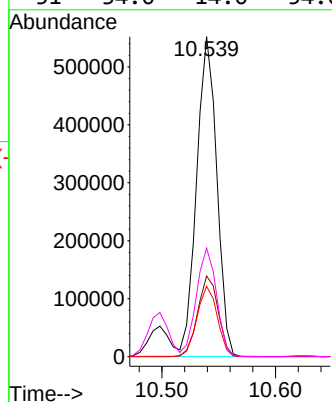
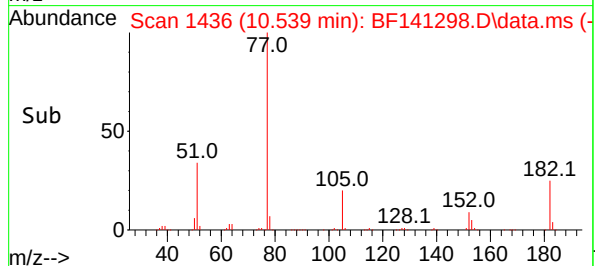


Tgt Ion: 77 Resp: 678905
Ion Ratio Lower Upper
77 100
182 25.2 5.1 45.1
105 22.0 1.8 41.8
51 34.0 14.0 54.0

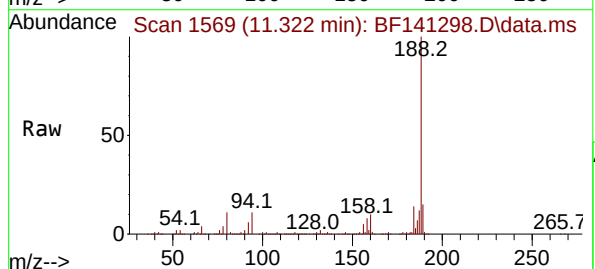
Manual Integrations

APPROVED

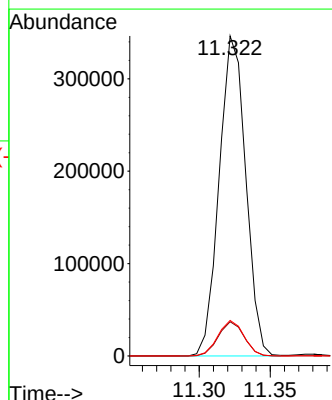
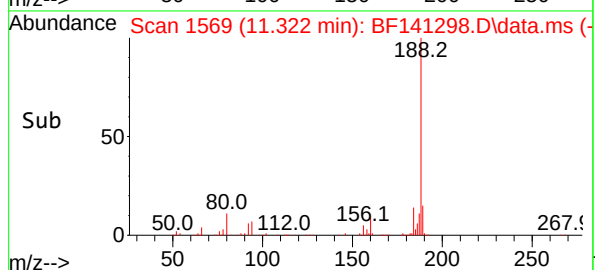
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

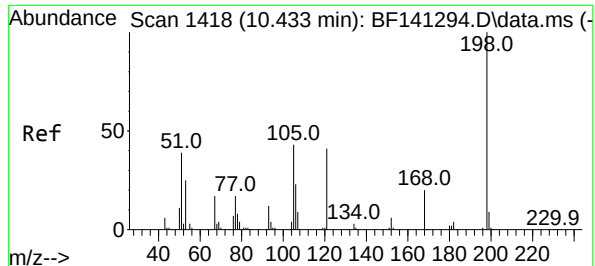


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:188 Resp: 450291
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.1 8.2 12.4





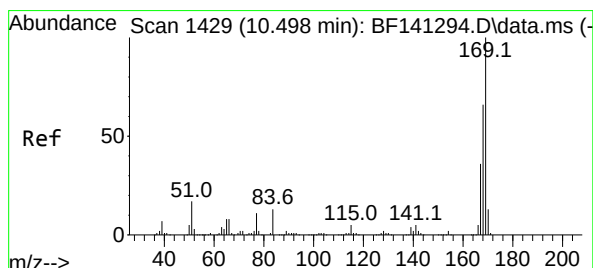
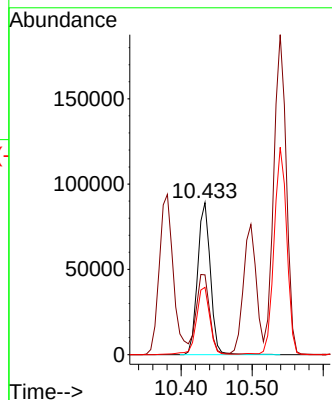
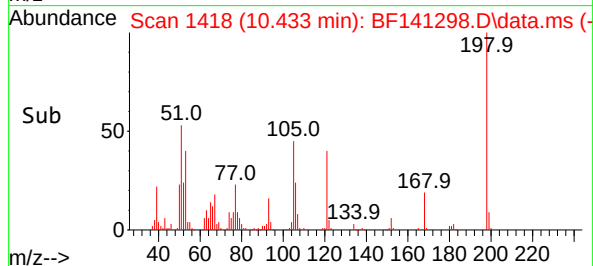
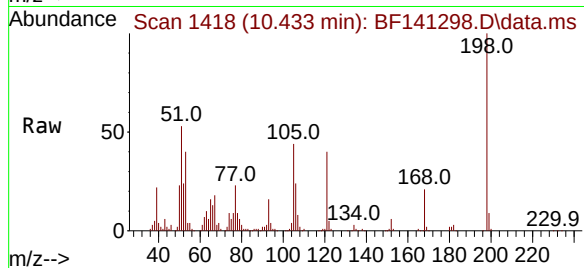
#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion:198 Resp: 111638
Ion Ratio Lower Upper
198 100
51 52.5 33.4 73.4
105 44.4 24.4 64.4

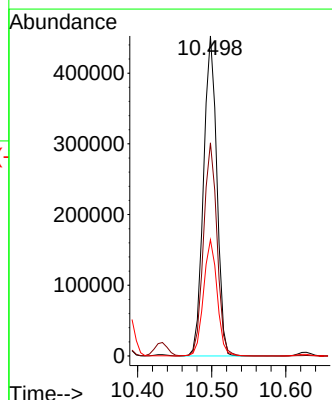
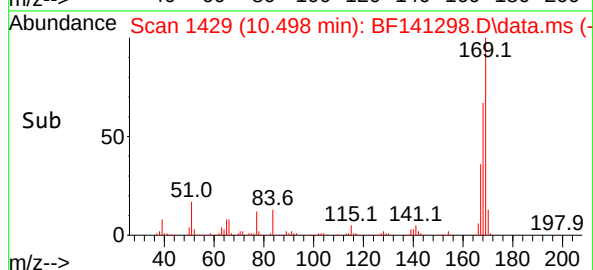
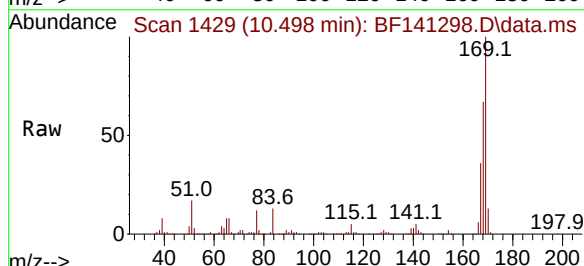
Manual Integrations
APPROVED

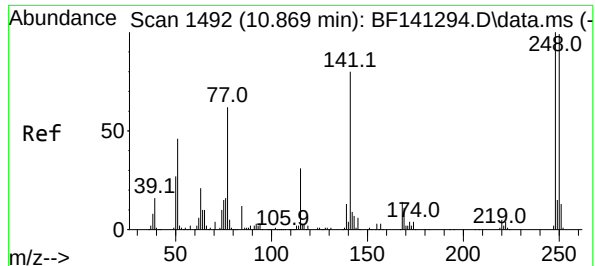
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

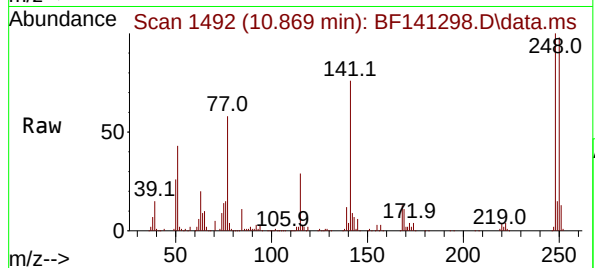
Tgt Ion:169 Resp: 564452
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

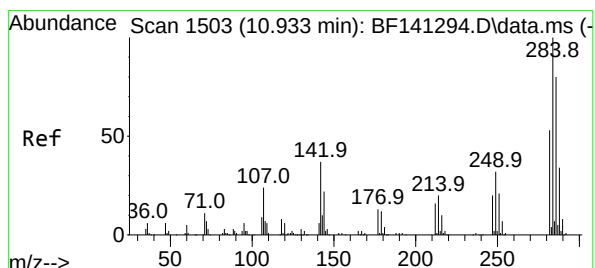
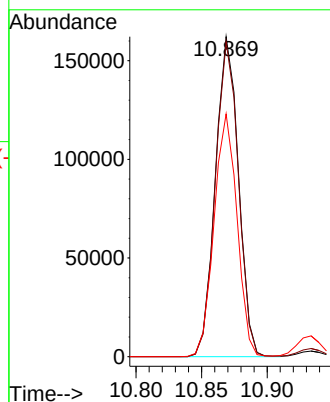
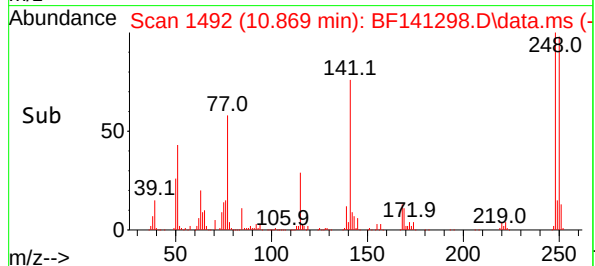
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:248 Resp: 199009
Ion Ratio Lower Upper
248 100
250 98.4 79.0 118.4
141 75.9 63.7 95.5

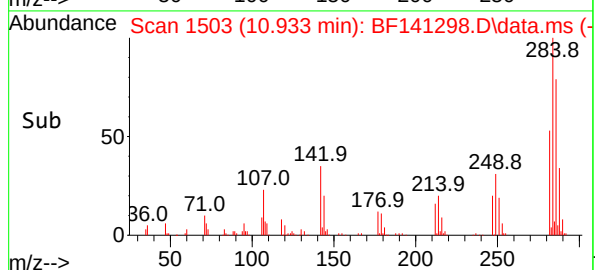
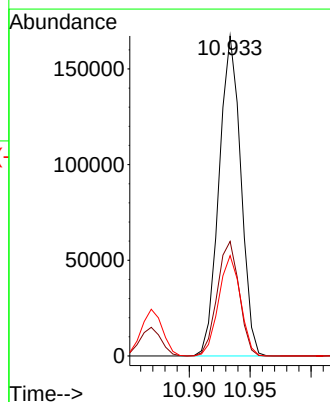
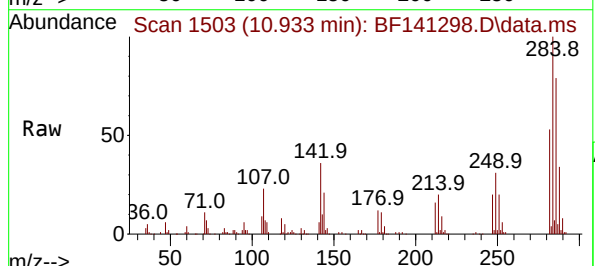
Manual Integrations
APPROVED

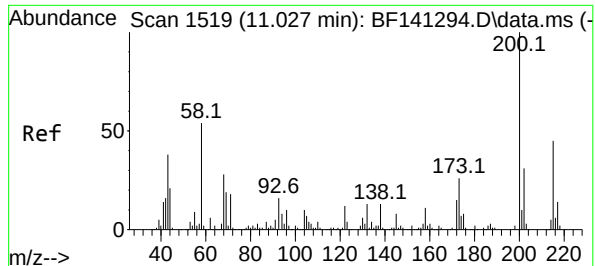
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:284 Resp: 208171
Ion Ratio Lower Upper
284 100
142 35.8 29.5 44.3
249 31.3 25.4 38.2





#69

Atrazine

Concen: 39.215 ng

RT: 11.028 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:200 Resp: 190958

Ion Ratio Lower Upper

200 100

173 25.7 5.9 45.9

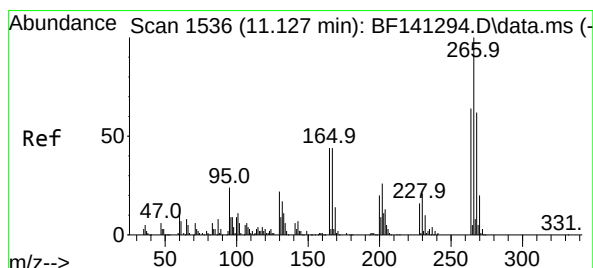
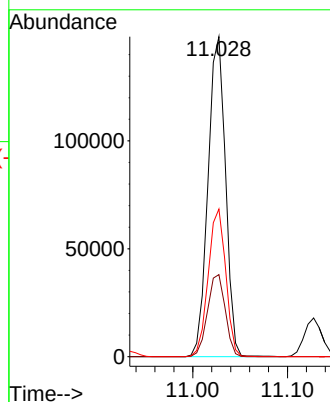
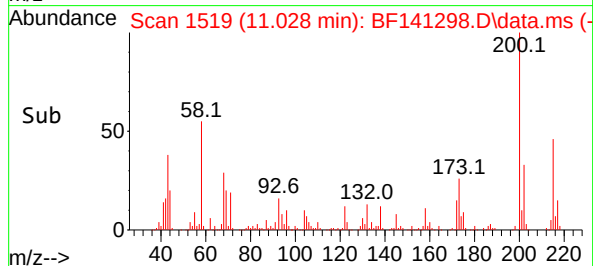
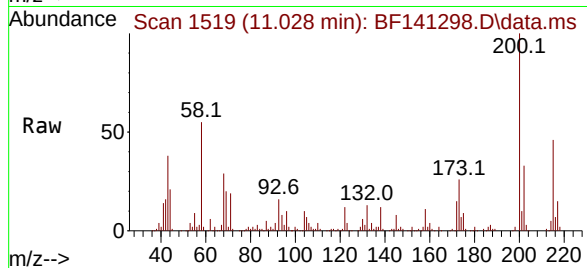
215 46.1 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 40.973 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

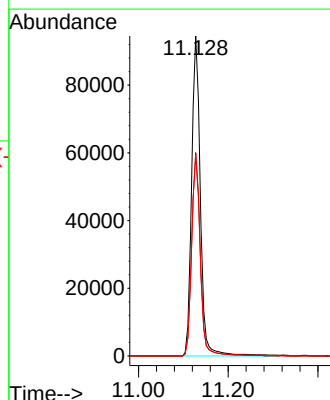
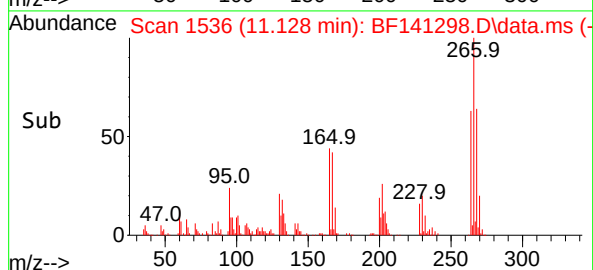
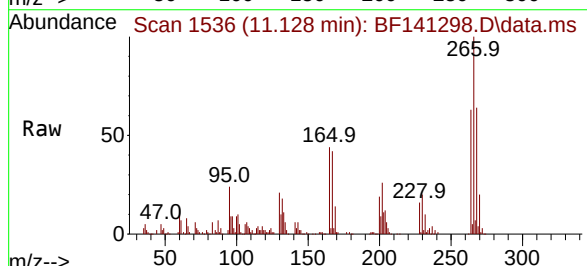
Tgt Ion:266 Resp: 128300

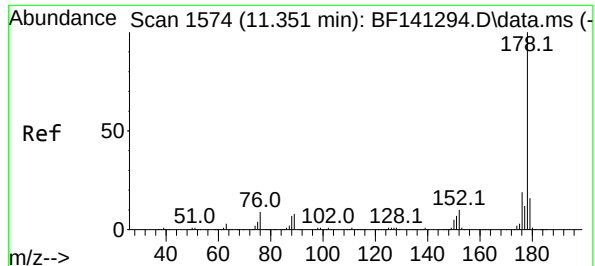
Ion Ratio Lower Upper

266 100

268 63.6 49.9 74.9

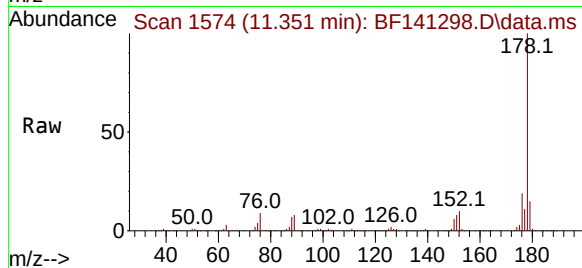
264 63.0 51.0 76.4





#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

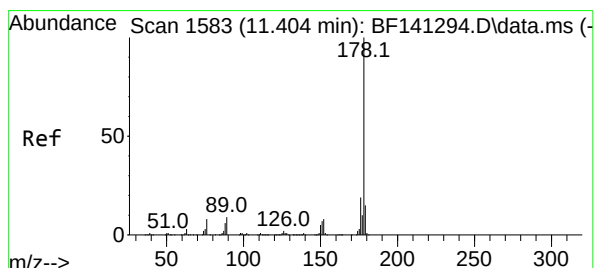
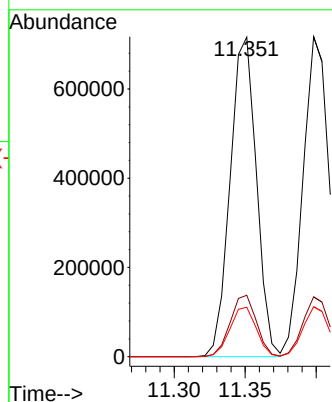
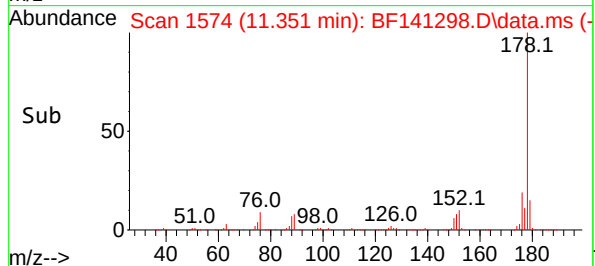
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:178 Resp: 922625
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.5 12.5 18.7

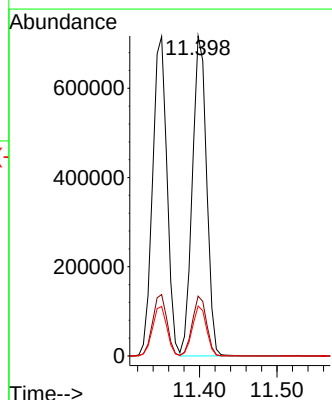
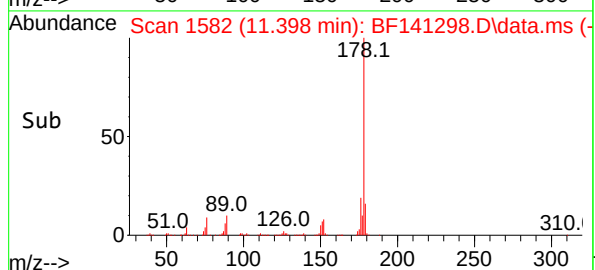
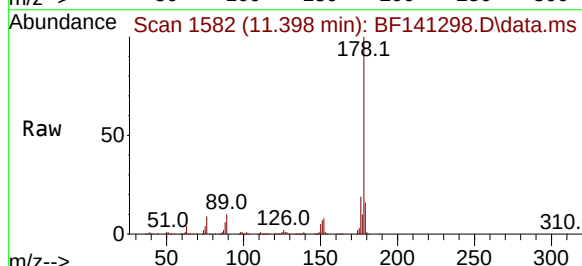
Manual Integrations
APPROVED

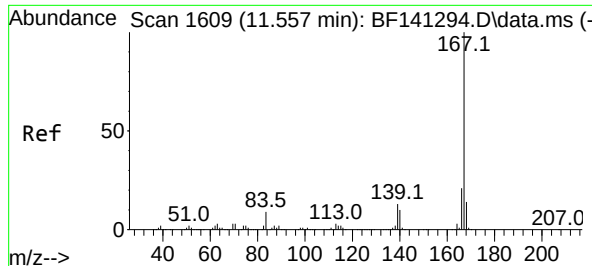
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

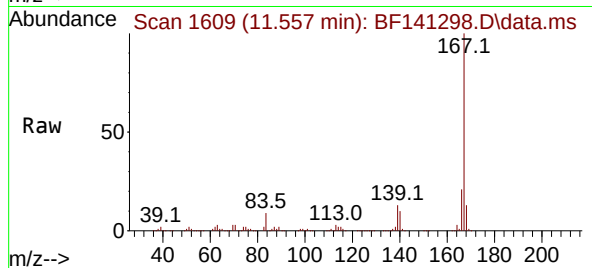
Tgt Ion:178 Resp: 912703
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

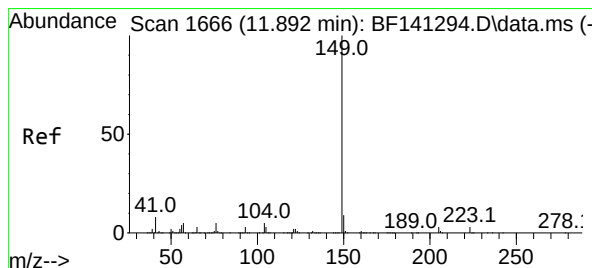
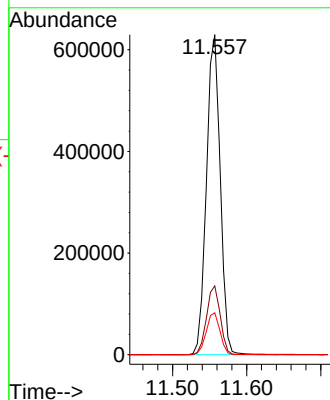
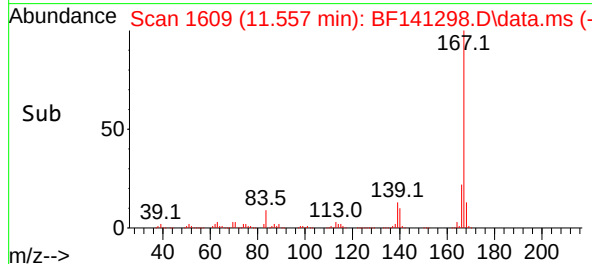
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:167 Resp: 813030
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 13.1 10.6 16.0

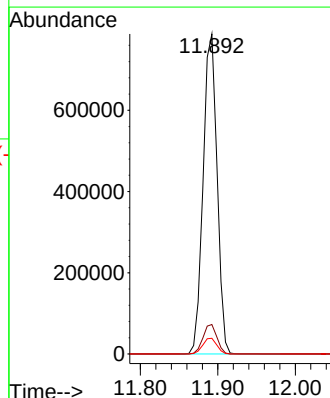
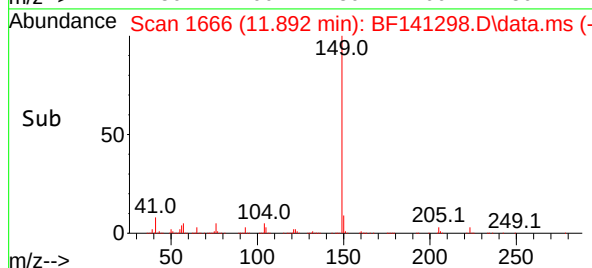
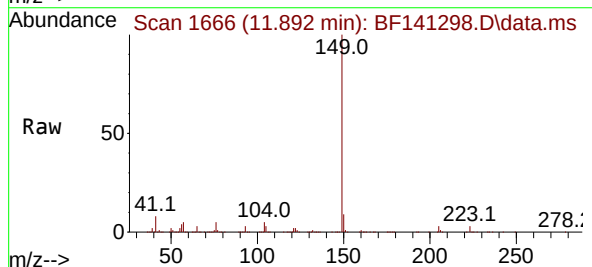
Manual Integrations
APPROVED

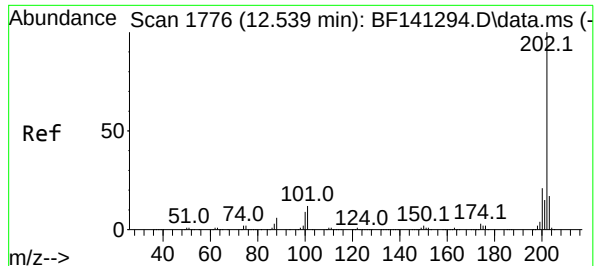
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

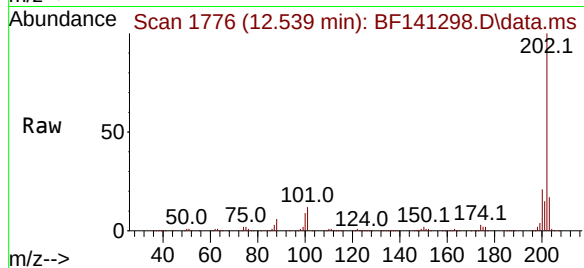
Tgt Ion:149 Resp: 984759
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

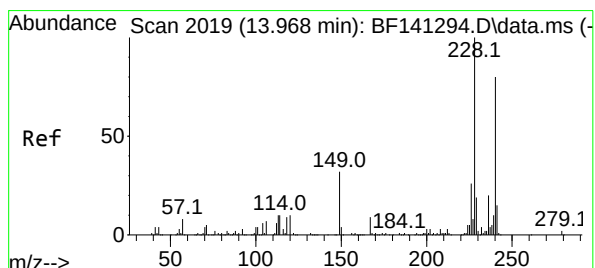
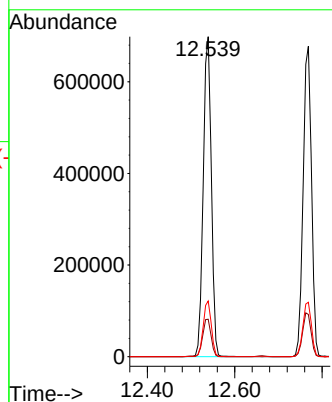
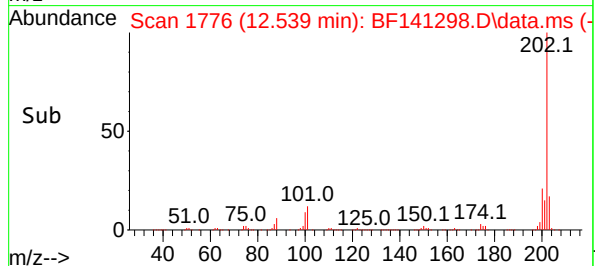
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:202 Resp: 90263
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.5

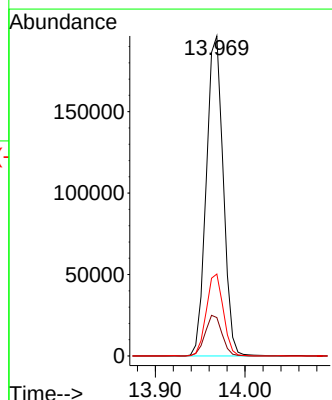
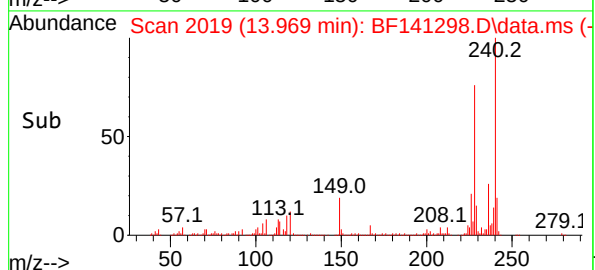
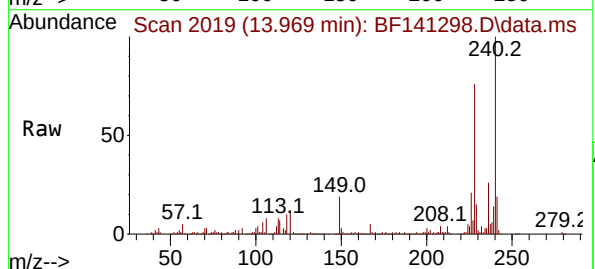
Manual Integrations
APPROVED

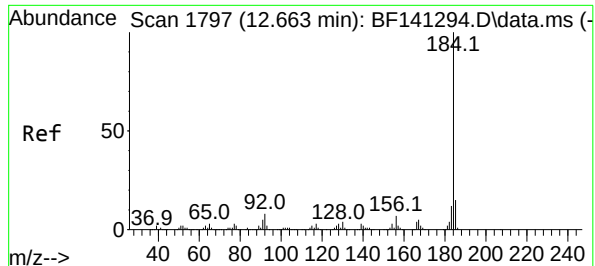
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

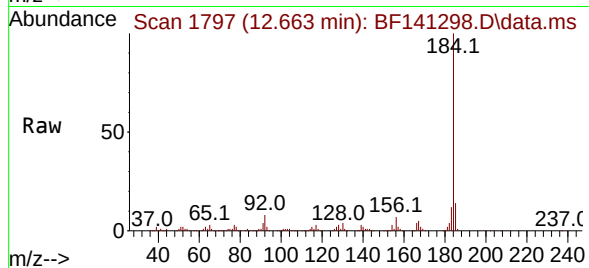
Tgt Ion:240 Resp: 257177
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

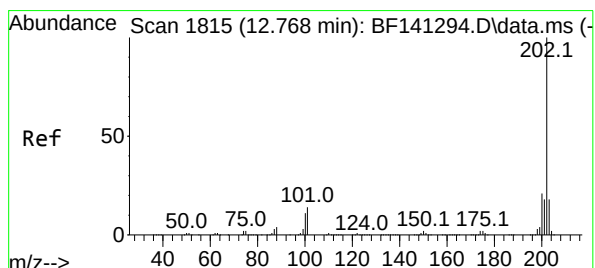
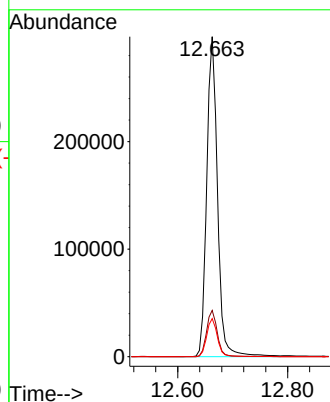
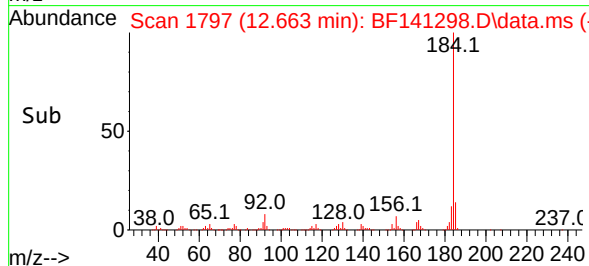
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:184 Resp: 40516
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.9 9.5 14.3

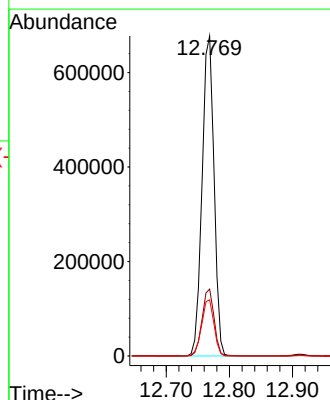
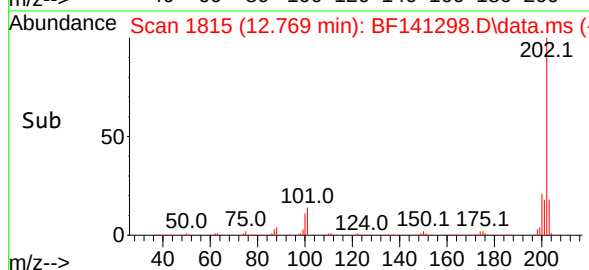
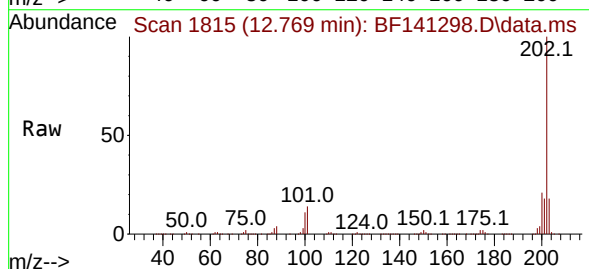
Manual Integrations
APPROVED

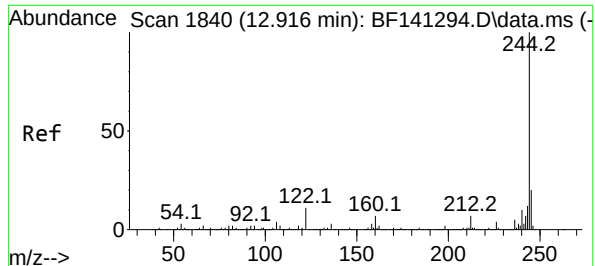
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

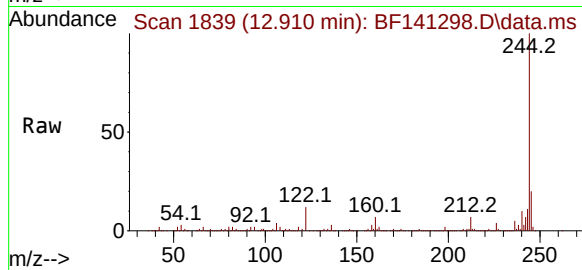
Tgt Ion:202 Resp: 894269
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.5 14.3 21.5





#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

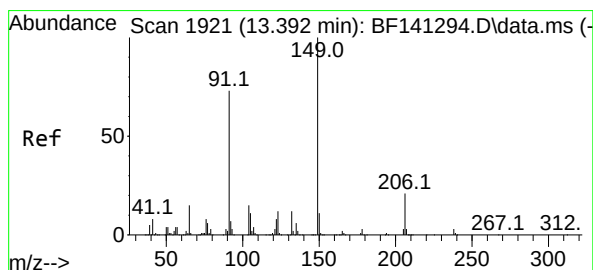
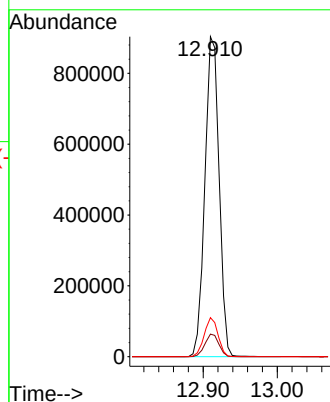
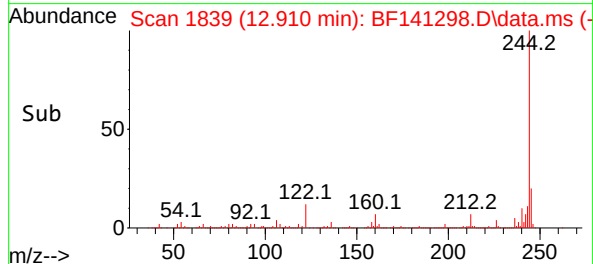
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:244 Resp: 1208358
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.2 8.8 13.2

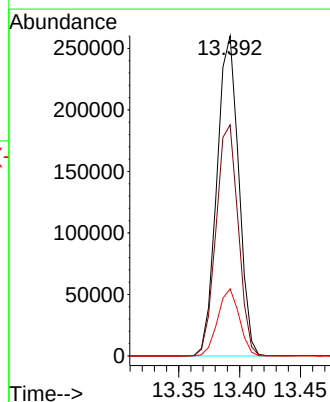
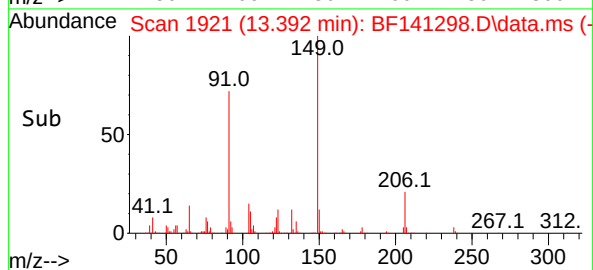
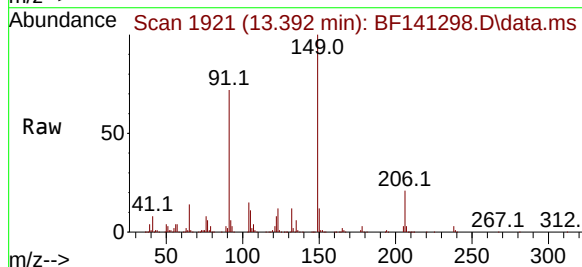
Manual Integrations
APPROVED

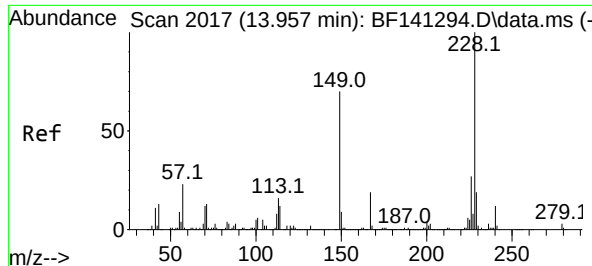
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 324793
Ion Ratio Lower Upper
149 100
91 72.2 58.6 87.8
206 21.0 16.7 25.1





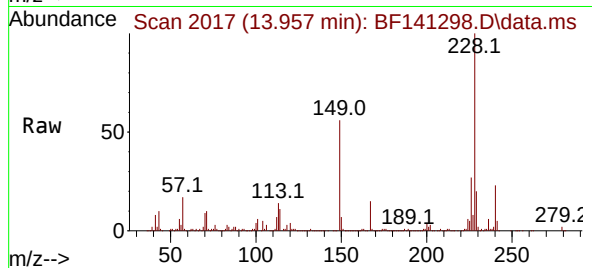
#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

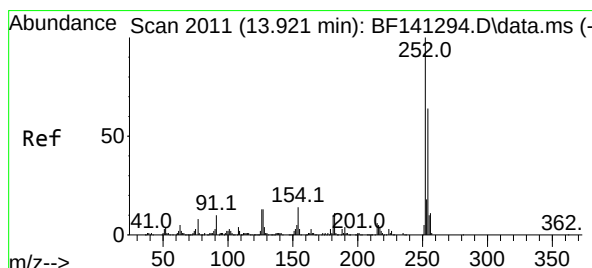
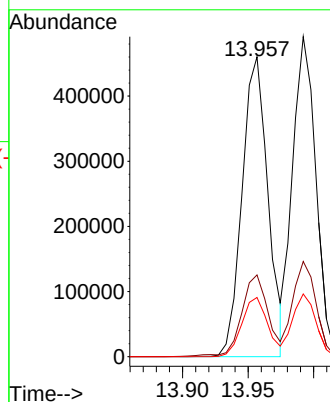
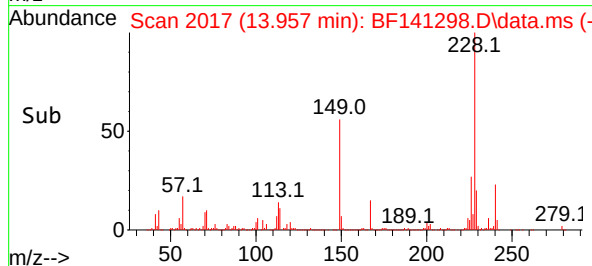


Tgt Ion:228 Resp: 631550
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.7 15.5 23.3

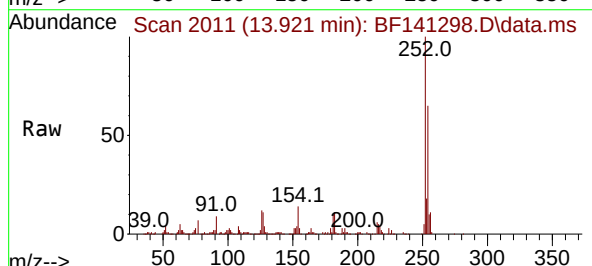
Manual Integrations

APPROVED

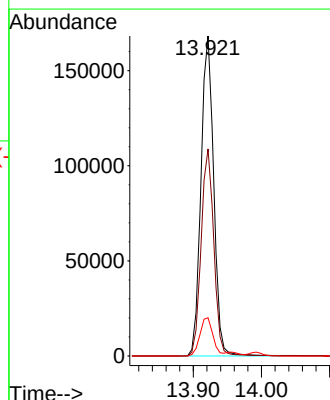
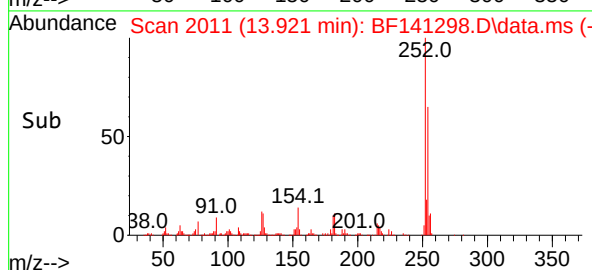
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

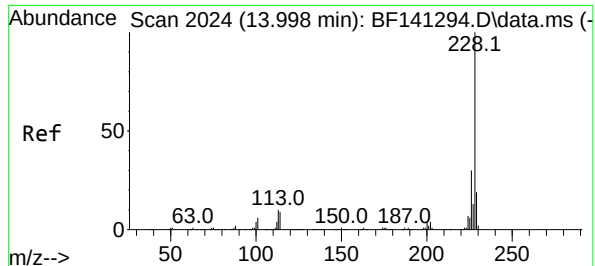


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



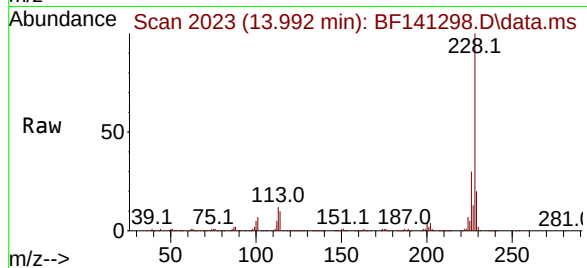
Tgt Ion:252 Resp: 218850
Ion Ratio Lower Upper
252 100
254 64.7 51.3 76.9
126 12.0 10.0 15.0





#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

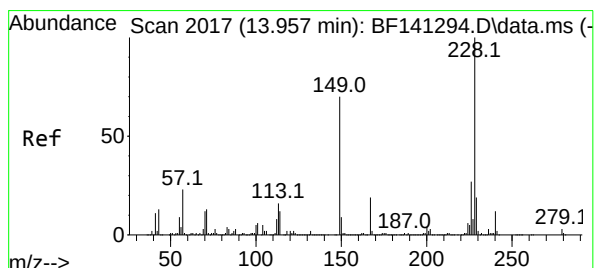
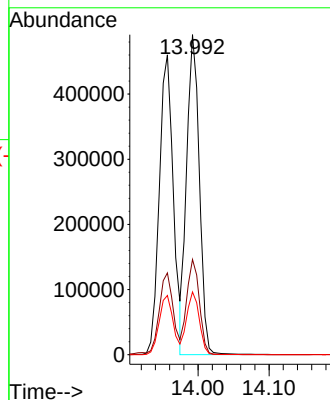
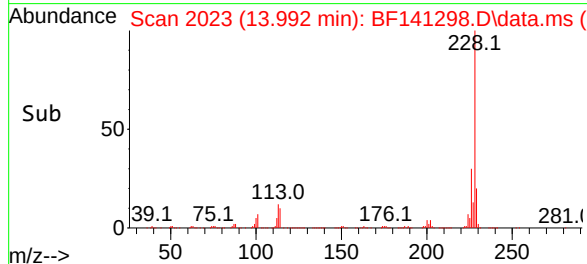
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:228 Resp: 610038
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.6 15.6 23.4

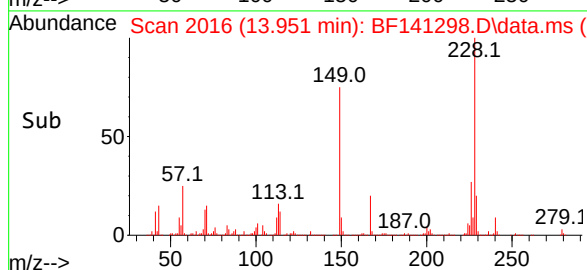
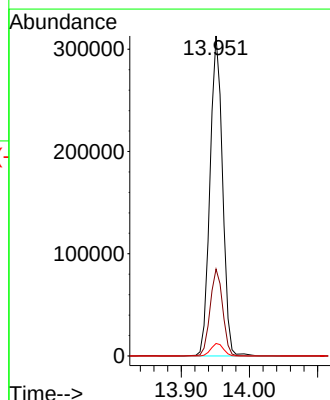
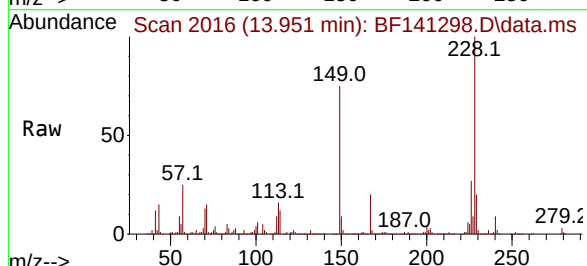
Manual Integrations
APPROVED

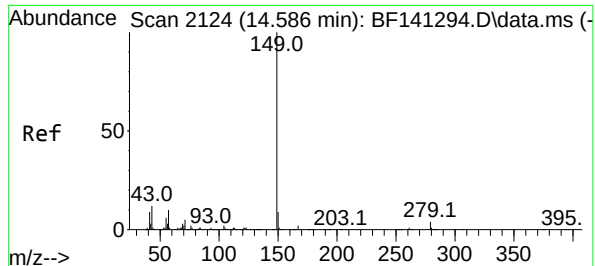
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

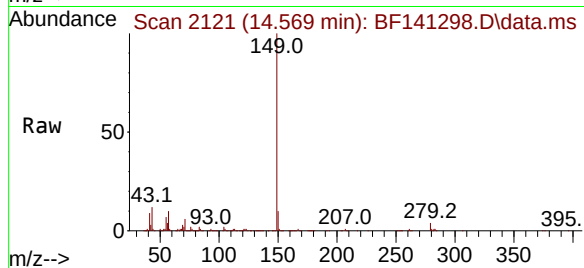
Tgt Ion:149 Resp: 400642
Ion Ratio Lower Upper
149 100
167 27.2 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

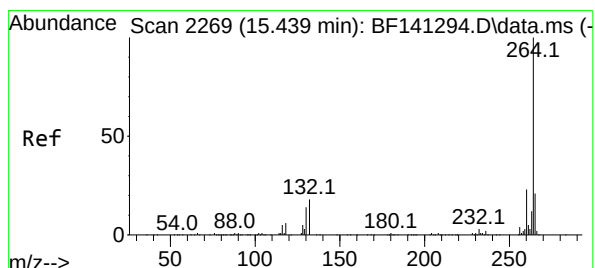
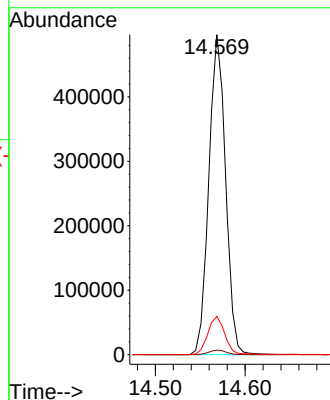
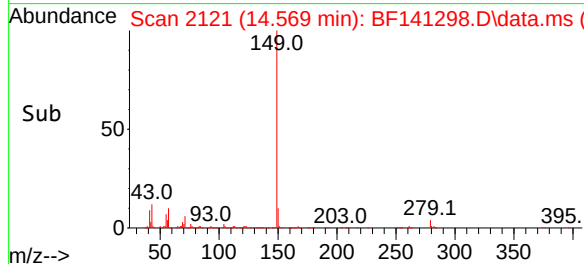
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:149 Resp: 642439
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.1 9.8 14.8

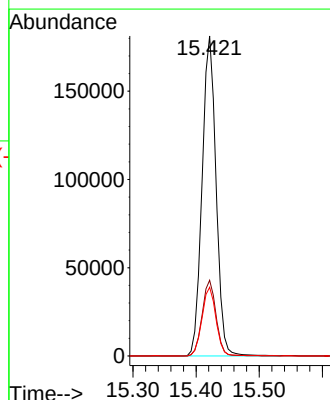
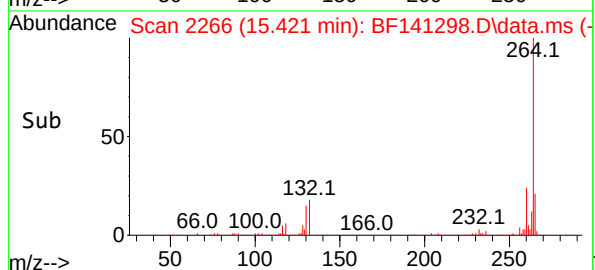
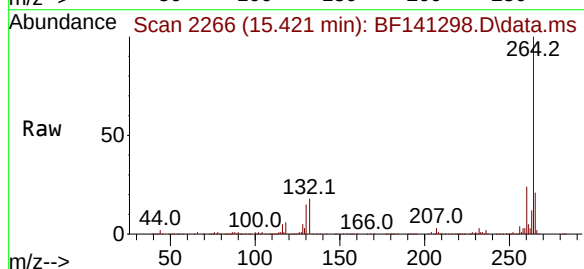
Manual Integrations
APPROVED

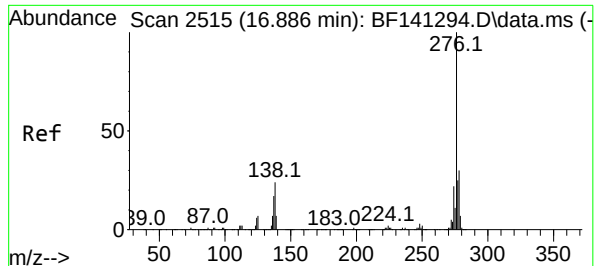
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

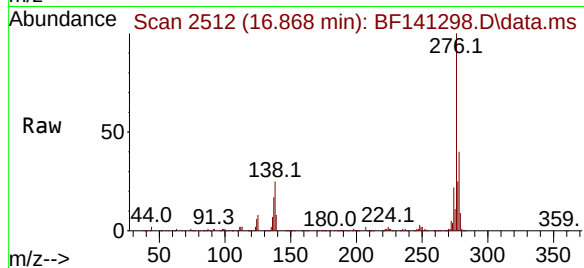
Tgt Ion:264 Resp: 279455
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

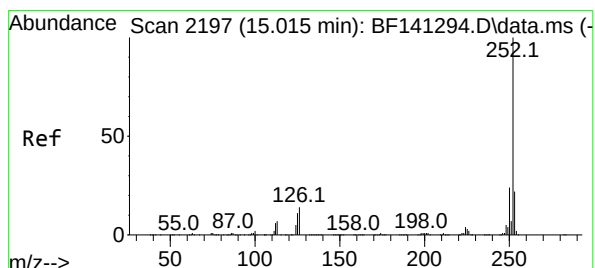
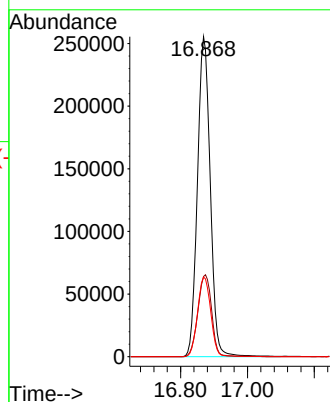
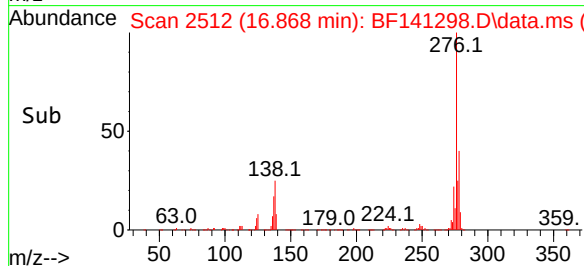
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



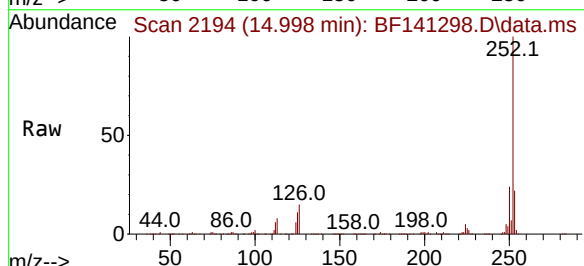
Tgt Ion:276 Resp: 67865
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 25.7 20.3 30.5

Manual Integrations
APPROVED

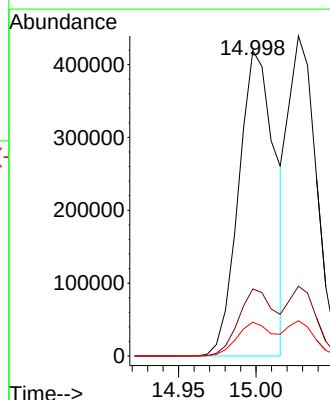
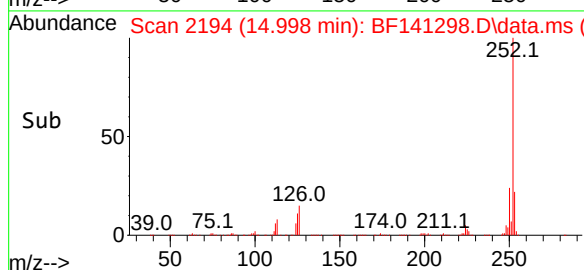
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

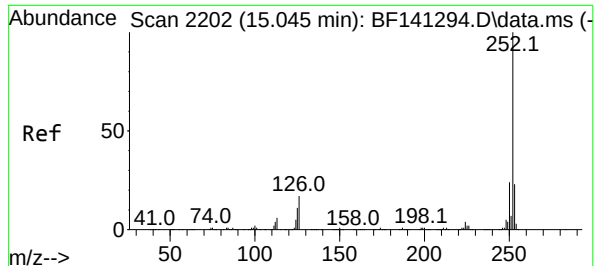


#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:252 Resp: 683111
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 35.766 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:252 Resp: 556960

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

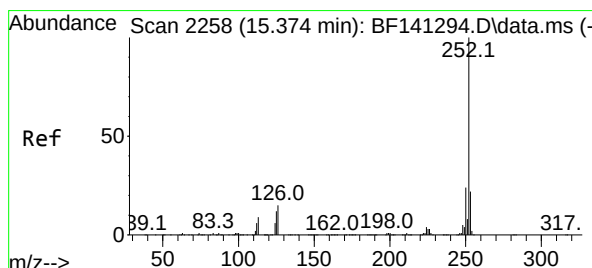
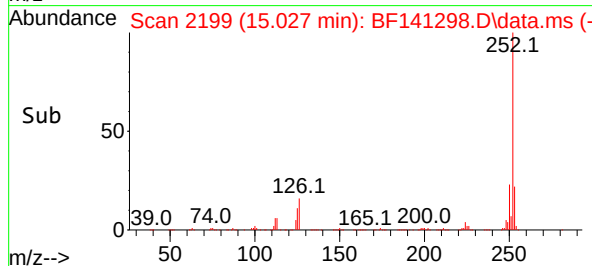
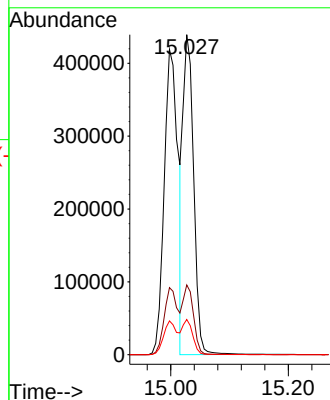
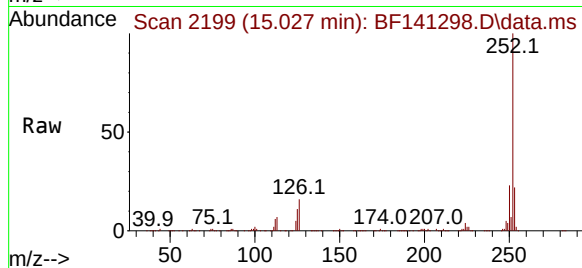
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 38.209 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

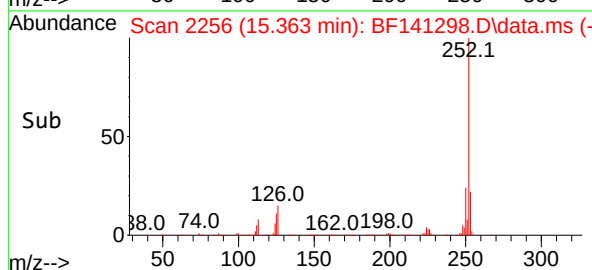
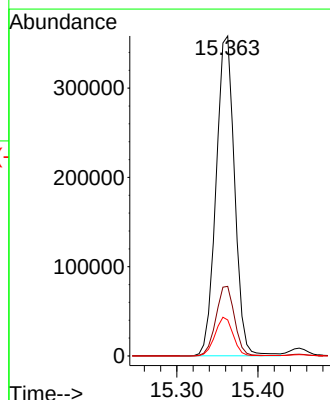
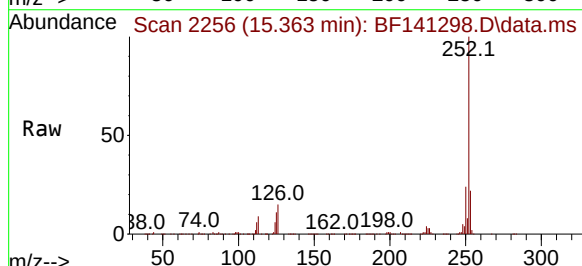
Tgt Ion:252 Resp: 567574

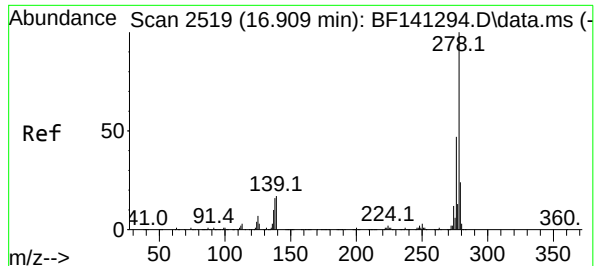
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 11.2 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 38.007 ng

RT: 16.886 min Scan# 2515

Delta R.T. -0.035 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

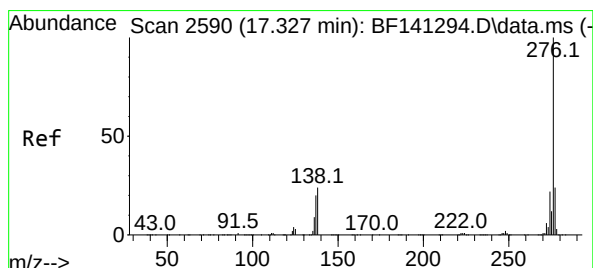
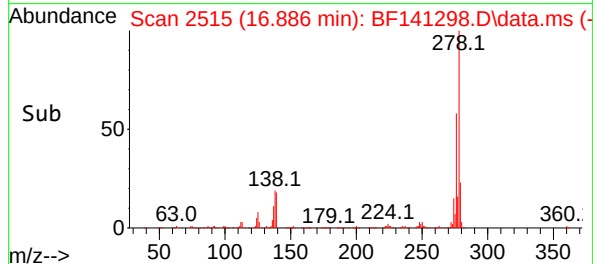
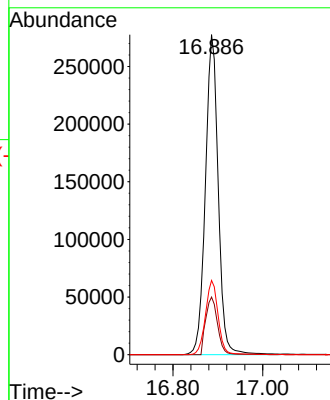
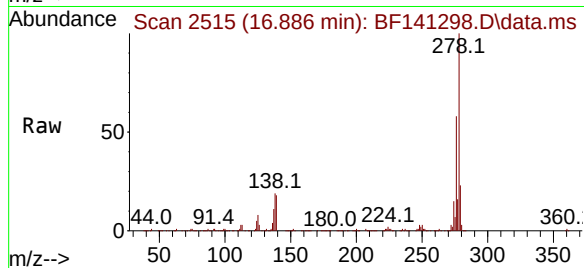
ICVBF012925

Tgt Ion:	278	Resp:	551534
Ion Ratio	Lower	Upper	
278	100		
139	18.0	13.9	20.9
279	23.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 37.101 ng

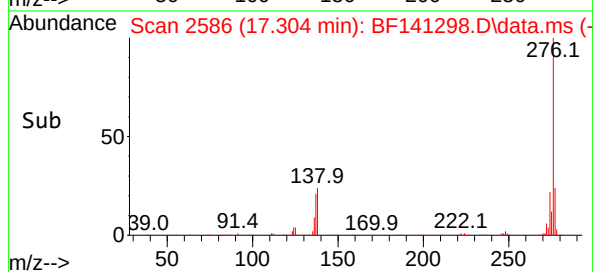
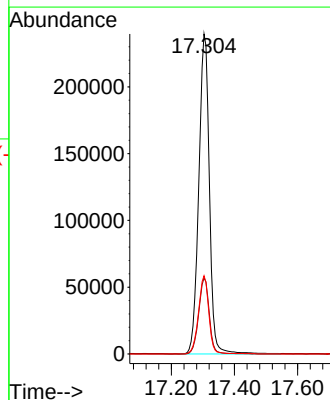
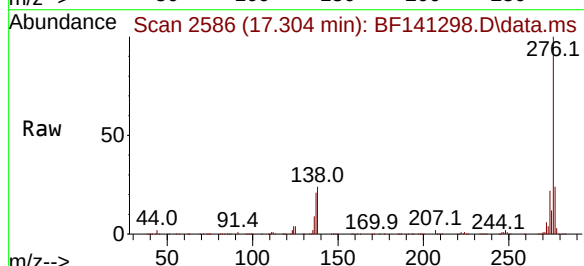
RT: 17.304 min Scan# 2586

Delta R.T. -0.041 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:	276	Resp:	559807
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.2	28.8
138	24.4	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2	1,4-Dioxane	0.573	0.534	6.8	97	0.00
3	Pyridine	1.380	1.326	3.9	98	-0.01
4	n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5 S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6	Aniline	1.403	1.383	1.4	99	0.00
7 S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8	2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9	Benzaldehyde	0.960	0.887	7.6	97	0.00
10 C	Phenol	1.757	1.664	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12	1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13 C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14	1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15	Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17	2-Methylphenol	1.135	1.037	8.6	97	0.00
18	Hexachloroethane	0.571	0.543	4.9	100	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20	3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.475	0.436	8.2	99	0.00
23 S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24	Nitrobenzene	0.393	0.373	5.1	99	-0.01
25	Isophorone	0.656	0.614	6.4	99	0.00
26 C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27	2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30	1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31	Naphthalene	1.057	0.981	7.2	99	0.00
32	Benzoic acid	0.217	0.225	-3.7	101	-0.04
33	4-Chloroaniline	0.358	0.333	7.0	97	0.00
34 C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35	Caprolactam	0.094	0.089	5.3	99	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37	2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38	1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42 S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44	2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45 S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46	1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47	2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.363	5.0	99	0.00
49	Acenaphthylene	1.702	1.592	6.5	99	0.00
50	Dimethylphthalate	1.351	1.246	7.8	99	0.00
51	2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52 C	Acenaphthene	1.216	1.131	7.0	99	0.00
53	3-Nitroaniline	0.307	0.293	4.6	96	0.00
54 P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55	Dibenzofuran	1.627	1.506	7.4	98	0.00
56 P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57	2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58	Fluorene	1.262	1.150	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60	Diethylphthalate	1.310	1.222	6.7	99	0.00
61	4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62	4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63	Azobenzene	1.311	1.213	7.5	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67	4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68	Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69	Atrazine	0.216	0.212	1.9	98	0.00
70 C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71	Phenanthrene	1.075	1.024	4.7	98	0.00
72	Anthracene	1.053	1.013	3.8	99	0.00
73	Carbazole	0.934	0.903	3.3	99	0.00
74	Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75 C	Fluoranthene	1.062	1.002	5.6	97	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77	Benzidine	0.641	0.788	-22.9	106	0.00
78	Pyrene	1.920	1.739	9.4	98	0.00
79 S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80	Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81	Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82	3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83	Chrysene	1.265	1.186	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85 c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88	Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89	Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90 C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91	Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92	Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2	1,4-Dioxane	40.000	37.296	6.8	97	0.00
3	Pyridine	40.000	38.413	4.0	98	-0.01
4	n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5 S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6	Aniline	40.000	39.437	1.4	99	0.00
7 S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8	2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9	Benzaldehyde	40.000	36.965	7.6	97	0.00
10 C	Phenol	40.000	37.888	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12	1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13 C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14	1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15	Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17	2-Methylphenol	40.000	36.544	8.6	97	0.00
18	Hexachloroethane	40.000	38.094	4.8	100	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20	3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	36.717	8.2	99	0.00
23 S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24	Nitrobenzene	40.000	37.927	5.2	99	-0.01
25	Isophorone	40.000	37.439	6.4	99	0.00
26 C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27	2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29 C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30	1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31	Naphthalene	40.000	37.128	7.2	99	0.00
32	Benzoic acid	40.000	41.534	-3.8	101	-0.04
33	4-Chloroaniline	40.000	37.214	7.0	97	0.00
34 C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35	Caprolactam	40.000	37.662	5.8	99	-0.02
36 C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37	2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38	1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44	2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46	1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47	2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	37.970	5.1	99	0.00
49	Acenaphthylene	40.000	37.416	6.5	99	0.00
50	Dimethylphthalate	40.000	36.904	7.7	99	0.00
51	2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52 C	Acenaphthene	40.000	37.206	7.0	99	0.00
53	3-Nitroaniline	40.000	38.150	4.6	96	0.00
54 P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55	Dibenzofuran	40.000	37.012	7.5	98	0.00
56 P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57	2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58	Fluorene	40.000	36.451	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60	Diethylphthalate	40.000	37.316	6.7	99	0.00
61	4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62	4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63	Azobenzene	40.000	37.020	7.4	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67	4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68	Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69	Atrazine	40.000	39.215	2.0	98	0.00
70 C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71	Phenanthrene	40.000	38.117	4.7	98	0.00
72	Anthracene	40.000	38.484	3.8	99	0.00
73	Carbazole	40.000	38.661	3.3	99	0.00
74	Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75 C	Fluoranthene	40.000	37.768	5.6	97	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77	Benzidine	40.000	49.142	-22.9	106	0.00
78	Pyrene	40.000	36.225	9.4	98	0.00
79 S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80	Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81	Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82	3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83	Chrysene	40.000	37.508	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85 c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88	Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89	Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90 C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91	Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92	Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = 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: RUTW01

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG No.: Q1232

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.326		-3.9	
2-Fluorophenol	1.303	1.218		-6.5	
Phenol-d6	1.657	1.534		-7.4	
1,4-Dichlorobenzene	1.547	1.437		-7.2	20.0
2-Methylphenol	1.135	1.062		-6.4	
3+4-Methylphenols	1.393	1.318		-5.4	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
2,4-Dinitrotoluene	0.406	0.427		5.2	
2,4,6-Tribromophenol	0.183	0.177		-3.3	
Hexachlorobenzene	0.238	0.232		-2.5	
Pentachlorophenol	0.139	0.186		33.8	20.0
Terphenyl-d14	1.297	1.177		-9.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140033	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	558386	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	299701	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493954	20.000	ng	0.00
76) Chrysene-d12	13.968	240	281629	20.000	ng	0.00
86) Perylene-d12	15.433	264	286623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	682309	74.803	ng	-0.01
7) Phenol-d6	6.428	99	859443	74.066	ng	-0.01
23) Nitrobenzene-d5	7.363	82	776494	73.308	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	211897	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376427	70.690	ng	0.00
79) Terphenyl-d14	12.910	244	1325492	72.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	152703	38.066	ng	99
3) Pyridine	3.210	79	371435	38.429	ng	100
4) n-Nitrosodimethylamine	3.163	42	210093	38.050	ng	100
6) Aniline	6.457	93	376476	38.328	ng	93
8) 2-Chlorophenol	6.581	128	365957	37.432	ng	99
9) Benzaldehyde	6.345	77	272105	40.484	ng	99
10) Phenol	6.440	94	462764	37.622	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	354960	37.636	ng	99
12) 1,3-Dichlorobenzene	6.740	146	403414	37.423	ng	99
13) 1,4-Dichlorobenzene	6.816	146	402314	37.151	ng	100
14) 1,2-Dichlorobenzene	6.969	146	377953	37.272	ng	99
15) Benzyl Alcohol	6.939	79	308313	38.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	615868	37.552	ng	100
17) 2-Methylphenol	7.051	107	297446	37.434	ng	98
18) Hexachloroethane	7.310	117	150153	37.585	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	264932	38.424	ng	96
20) 3+4-Methylphenols	7.204	107	369223	37.845	ng	99
22) Acetophenone	7.210	105	473548	35.678	ng	100
24) Nitrobenzene	7.381	77	407415	37.116	ng	100
25) Isophorone	7.622	82	694555	37.934	ng	99
26) 2-Nitrophenol	7.698	139	195489	37.762	ng	99
27) 2,4-Dimethylphenol	7.734	122	250385	37.999	ng	98
28) bis(2-Chloroethoxy)met...	7.834	93	431598	36.955	ng	100
29) 2,4-Dichlorophenol	7.939	162	303375	37.608	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	333619	36.214	ng	100
31) Naphthalene	8.104	128	1078465	36.561	ng	100
32) Benzoic acid	7.845	122	252577	41.698	ng	99
33) 4-Chloroaniline	8.151	127	367291	36.719	ng	99
34) Hexachlorobutadiene	8.222	225	200005	37.021	ng	100
35) Caprolactam	8.522	113	101967	38.705	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	380639	43.991	ng	98
37) 2-Methylnaphthalene	8.792	142	690288	36.818	ng	98
38) 1-Methylnaphthalene	8.892	142	675547	36.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	308854	36.224	ng	99
41) Hexachlorocyclopentadiene	8.945	237	95556	37.949	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	218757	39.199	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

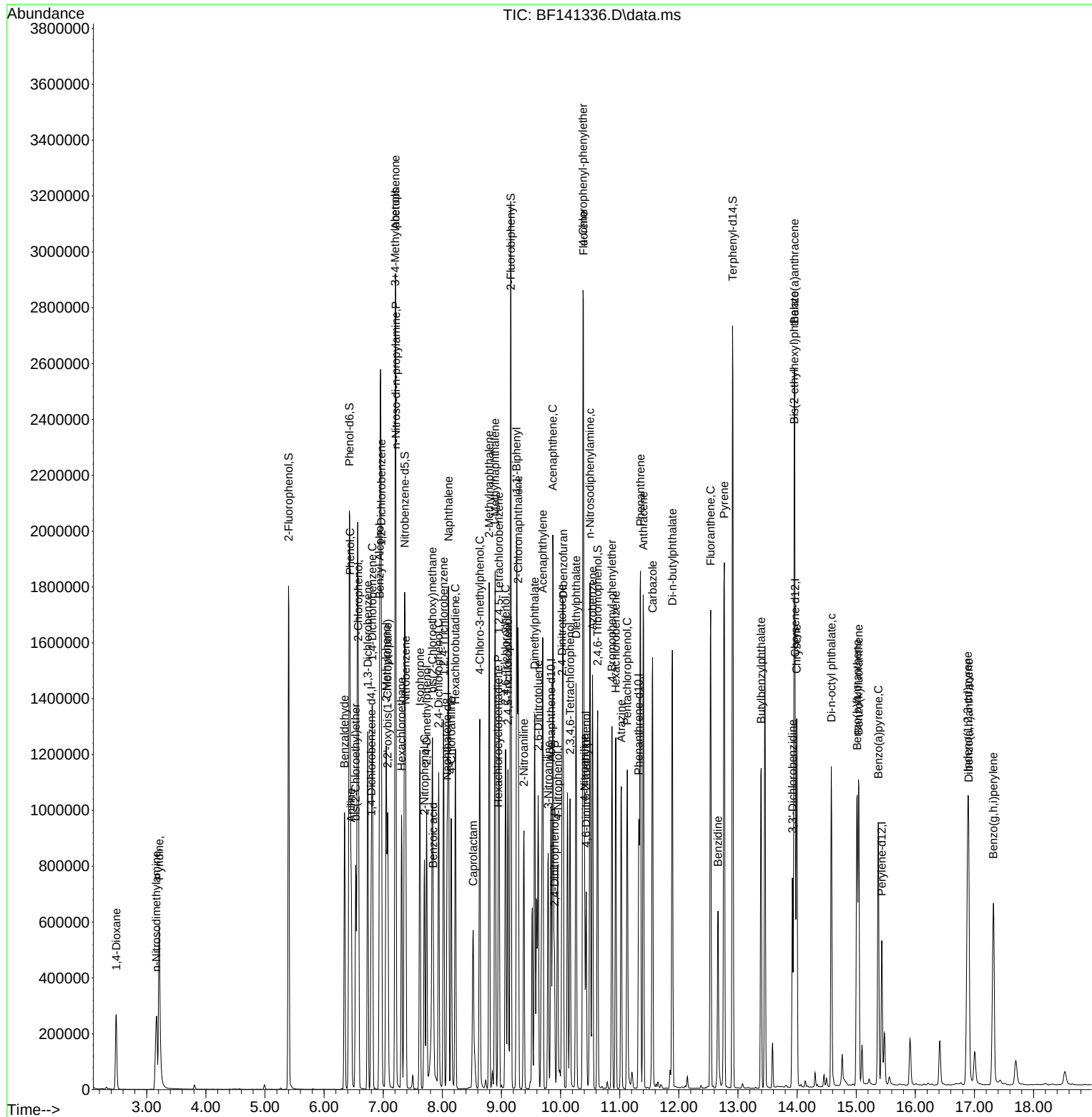
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	228427	37.608	ng	100
46) 1,1'-Biphenyl	9.257	154	855111	36.585	ng	100
47) 2-Chloronaphthalene	9.281	162	660426	36.251	ng	100
48) 2-Nitroaniline	9.381	65	219643	38.330	ng	100
49) Acenaphthylene	9.698	152	945423	37.073	ng	100
50) Dimethylphthalate	9.563	163	773243	38.200	ng	100
51) 2,6-Dinitrotoluene	9.622	165	179857	38.268	ng	99
52) Acenaphthene	9.869	154	675302	37.066	ng	99
53) 3-Nitroaniline	9.792	138	174746	37.936	ng	98
54) 2,4-Dinitrophenol	9.898	184	90166	41.270	ng	99
55) Dibenzofuran	10.045	168	887550	36.395	ng	100
56) 4-Nitrophenol	9.951	139	179822	53.378	ng	99
57) 2,4-Dinitrotoluene	10.028	165	255655	42.014	ng	99
58) Fluorene	10.386	166	690153	36.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	185895	38.903	ng	100
60) Diethylphthalate	10.263	149	748552	38.140	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	336871	36.458	ng	99
62) 4-Nitroaniline	10.404	138	172379	38.063	ng	98
63) Azobenzene	10.539	77	738145	37.573	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	129346	44.270	ng	99
66) n-Nitrosodiphenylamine	10.498	169	619094	38.751	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	216973	39.236	ng	97
68) Hexachlorobenzene	10.933	284	228716	38.991	ng	98
69) Atrazine	11.027	200	181536	33.985	ng	98
70) Pentachlorophenol	11.127	266	184030	53.575	ng	98
71) Phenanthrene	11.351	178	1004184	37.819	ng	100
72) Anthracene	11.398	178	987277	37.948	ng	99
73) Carbazole	11.557	167	881695	38.220	ng	100
74) Di-n-butylphthalate	11.892	149	1102750	39.444	ng	100
75) Fluoranthene	12.539	202	998810	38.098	ng	100
77) Benzidine	12.663	184	349084	38.664	ng	100
78) Pyrene	12.769	202	1097741	40.606	ng	100
80) Butylbenzylphthalate	13.392	149	369304	39.103	ng	99
81) Benzo(a)anthracene	13.957	228	665086	34.223	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	223750	36.200	ng	100
83) Chrysene	13.992	228	664102	37.287	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	458911	38.304	ng	99
85) Di-n-octyl phthalate	14.580	149	723593	38.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	709942	38.376	ng	100
88) Benzo(b)fluoranthene	15.015	252	669775	37.149	ng	100
89) Benzo(k)fluoranthene	15.039	252	597549	37.413	ng	99
90) Benzo(a)pyrene	15.374	252	568194	37.294	ng	100
91) Dibenzo(a,h)anthracene	16.904	278	572387	38.458	ng	100
92) Benzo(g,h,i)perylene	17.321	276	601743	38.883	ng	100

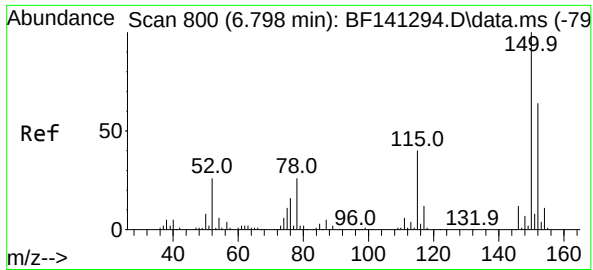
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Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

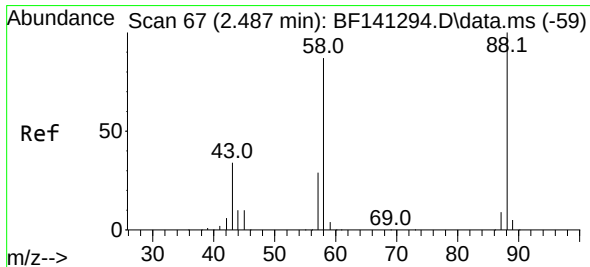
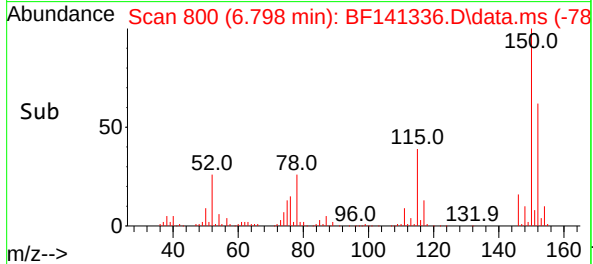
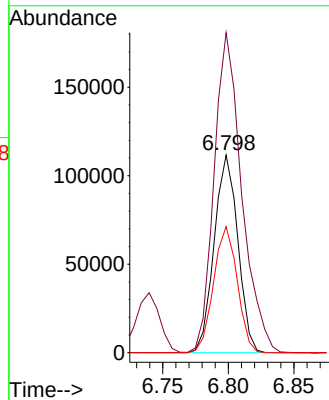
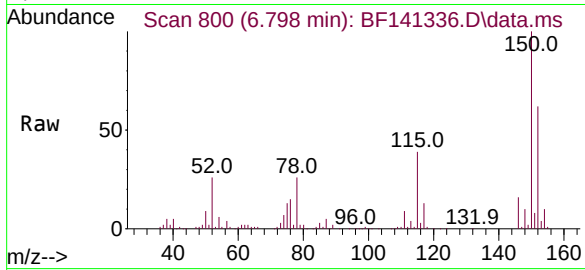




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141336.D
 Acq: 31 Jan 2025 17:19

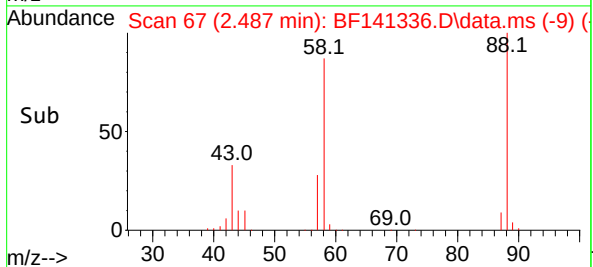
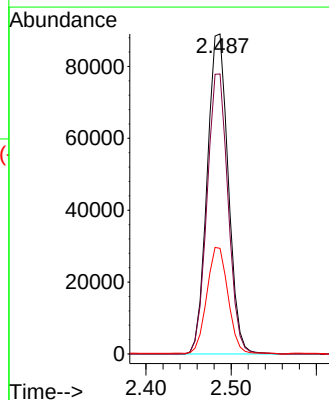
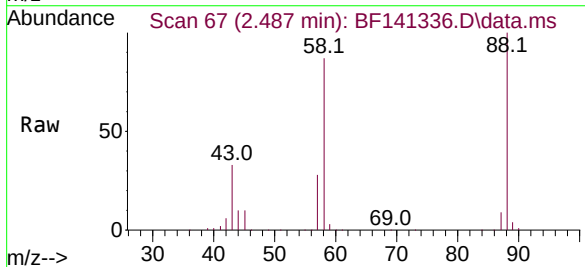
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

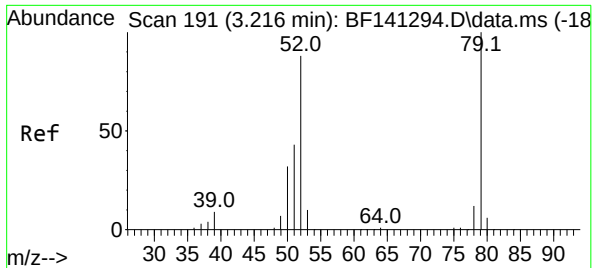
Tgt Ion:152 Resp: 140033
 Ion Ratio Lower Upper
 152 100
 150 161.9 125.9 188.9
 115 63.8 49.7 74.5



#2
 1,4-Dioxane
 Concen: 38.066 ng
 RT: 2.487 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BF141336.D
 Acq: 31 Jan 2025 17:19

Tgt Ion: 88 Resp: 152703
 Ion Ratio Lower Upper
 88 100
 58 87.4 70.2 105.4
 43 33.9 27.6 41.4

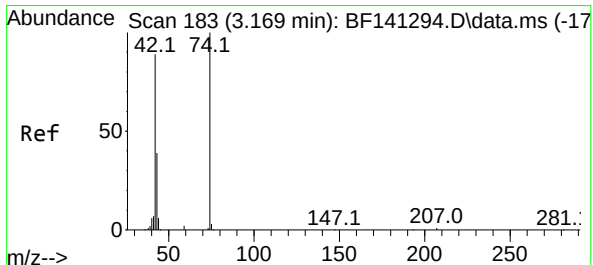
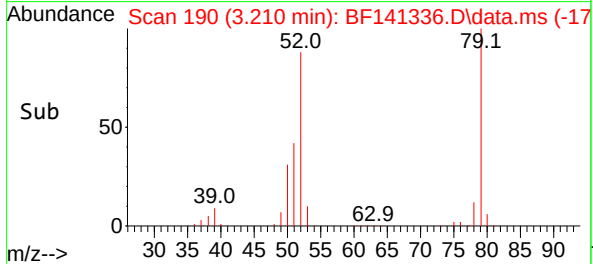
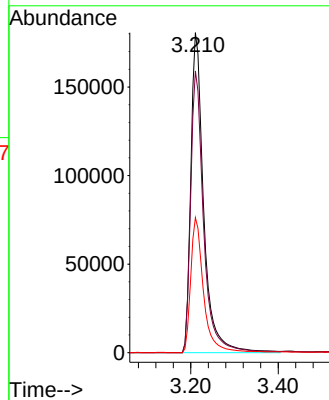
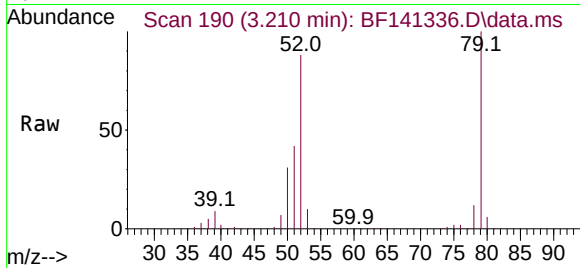




#3
Pyridine
Concen: 38.429 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

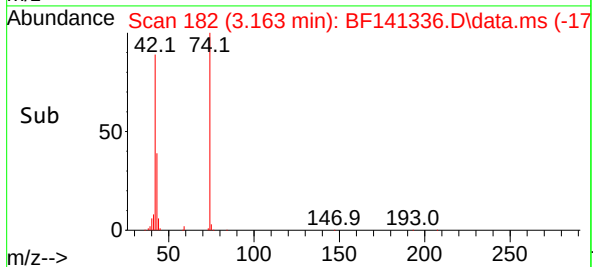
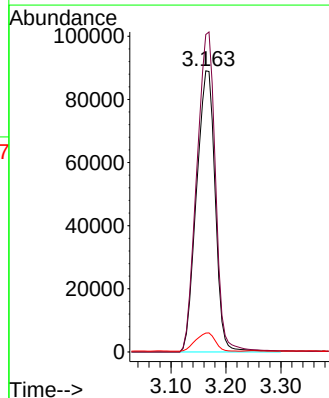
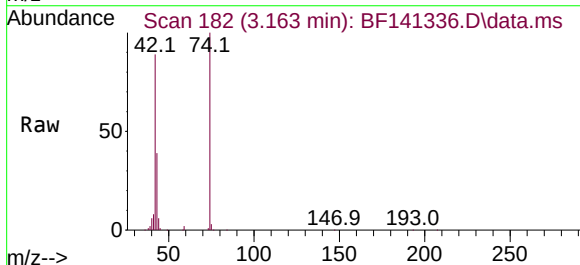
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

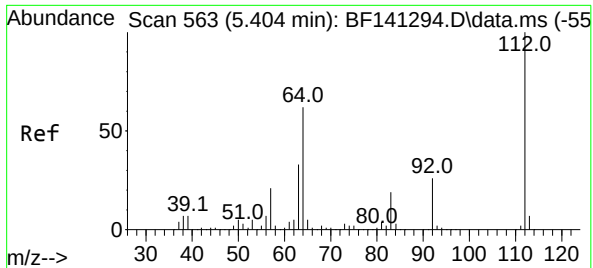
Tgt Ion: 79 Resp: 371435
Ion Ratio Lower Upper
79 100
52 88.0 70.3 105.5
51 42.2 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 38.050 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 42 Resp: 210093
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 6.7 5.7 8.5

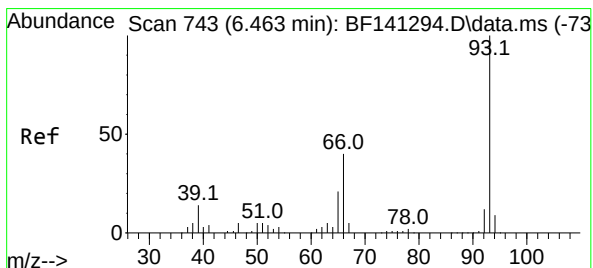
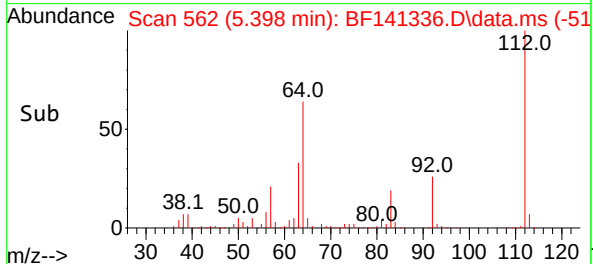
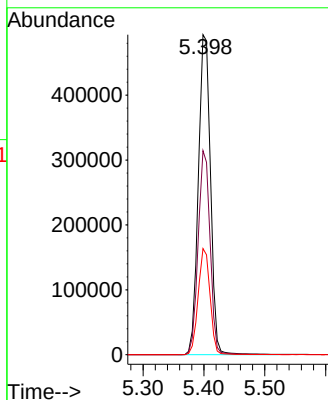
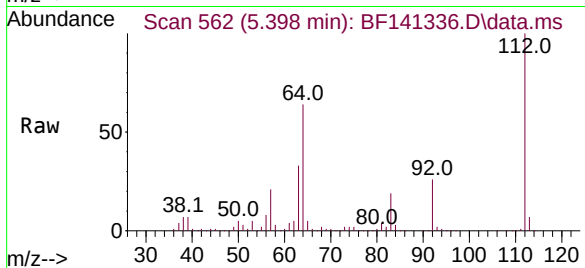




#5
2-Fluorophenol
Concen: 74.803 ng
RT: 5.398 min Scan# 50
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

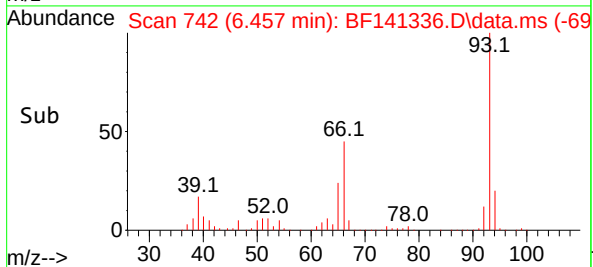
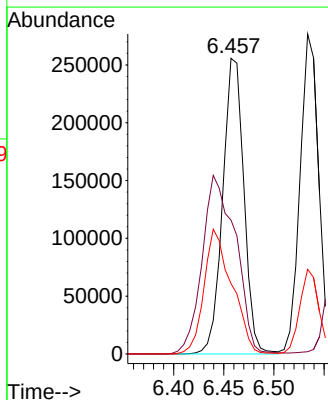
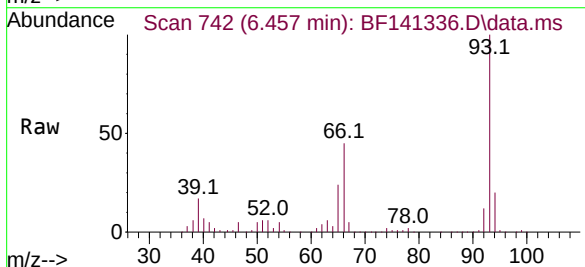
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

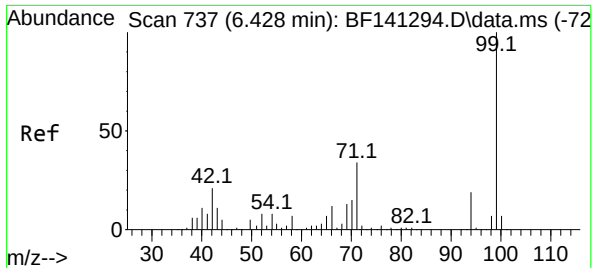
Tgt Ion:112 Resp: 682309
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 33.2 26.1 39.1



#6
Aniline
Concen: 38.328 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 376476
Ion Ratio Lower Upper
93 100
66 45.3 32.5 48.7
65 23.8 17.0 25.6

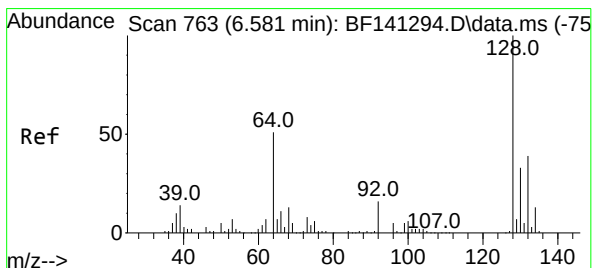
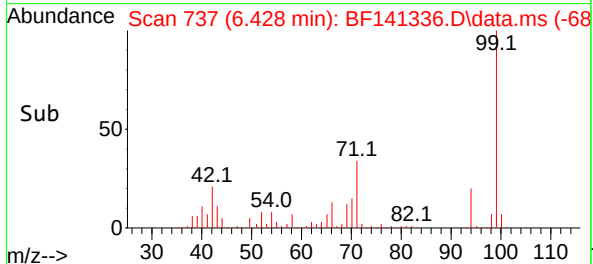
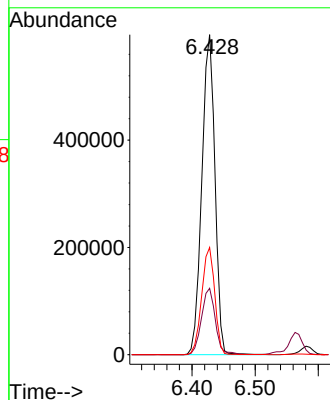
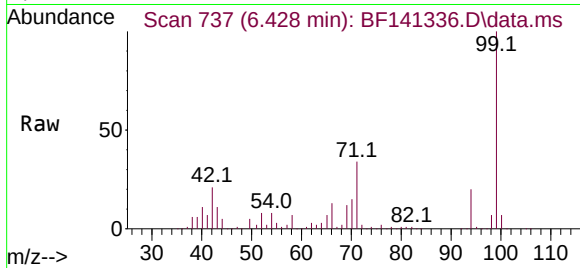




#7
Phenol-d6
Concen: 74.066 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

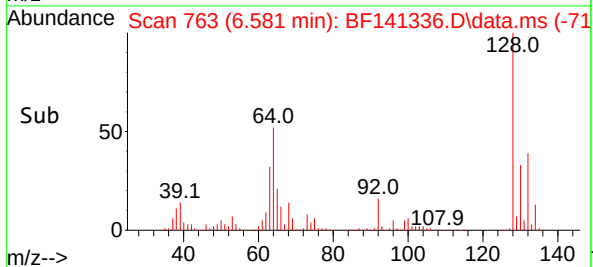
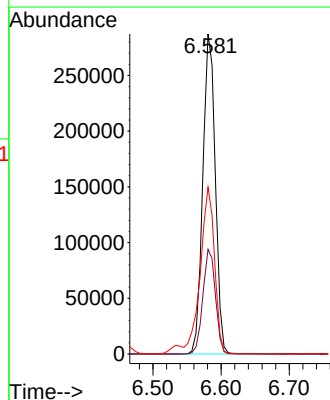
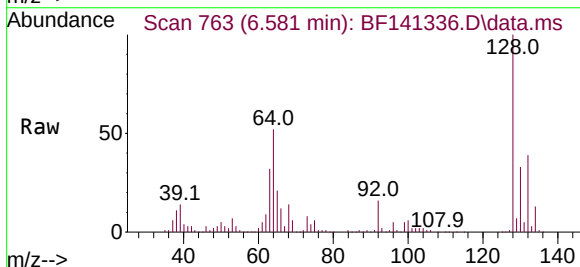
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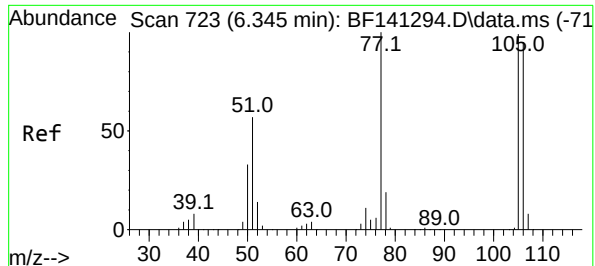
Tgt Ion: 99 Resp: 859443
Ion Ratio Lower Upper
99 100
42 20.7 17.1 25.7
71 33.5 26.9 40.3



#8
2-Chlorophenol
Concen: 37.432 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 128 Resp: 365957
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 52.1 32.9 72.9

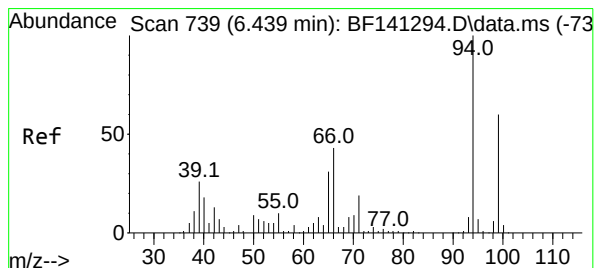
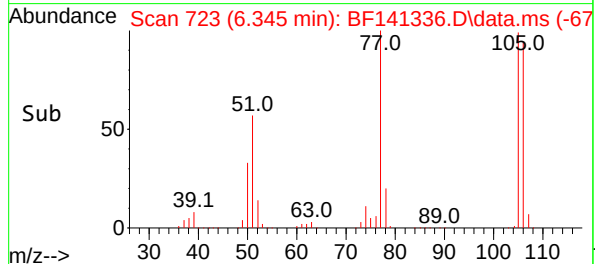
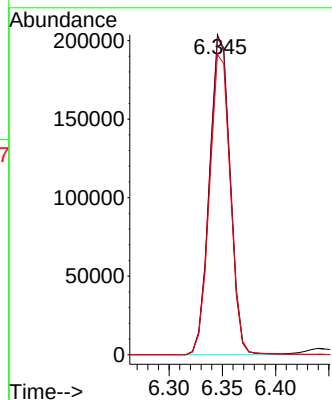
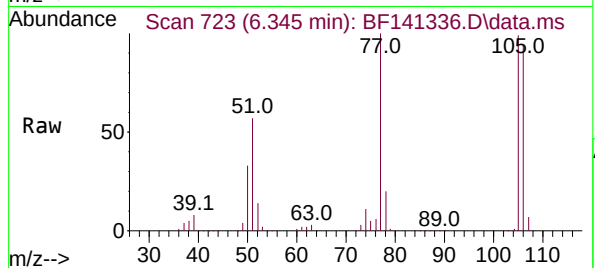




#9
Benzaldehyde
Concen: 40.484 ng
RT: 6.345 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

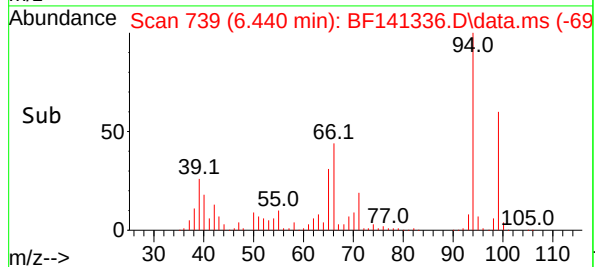
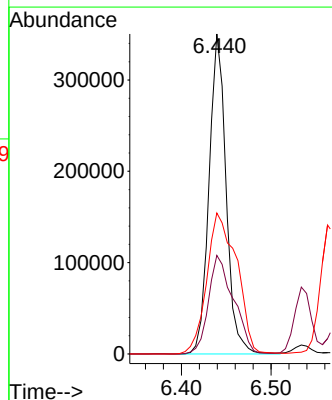
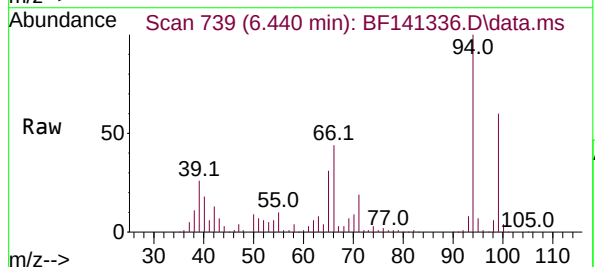
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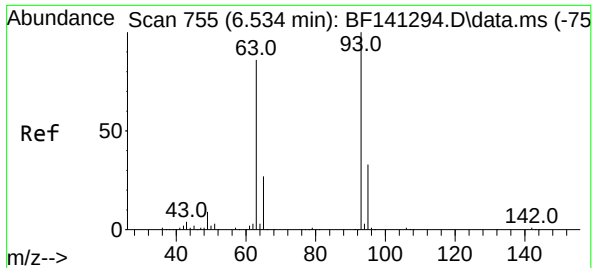
Tgt Ion: 77 Resp: 272105
Ion Ratio Lower Upper
77 100
105 99.1 79.4 119.4
106 93.8 74.6 114.6



#10
Phenol
Concen: 37.622 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 94 Resp: 462764
Ion Ratio Lower Upper
94 100
65 30.8 10.8 50.8
66 44.1 23.3 63.3

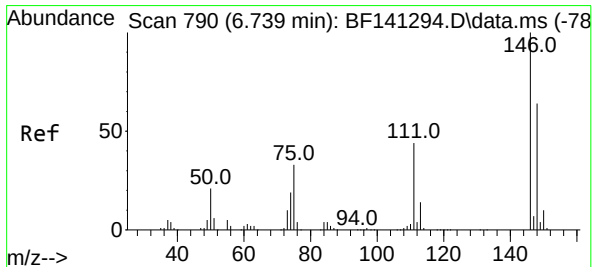
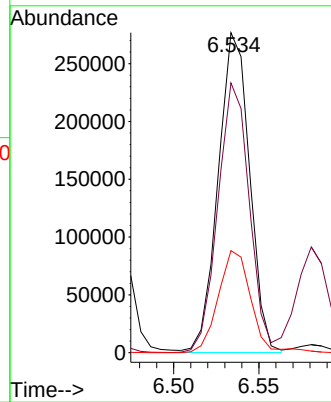
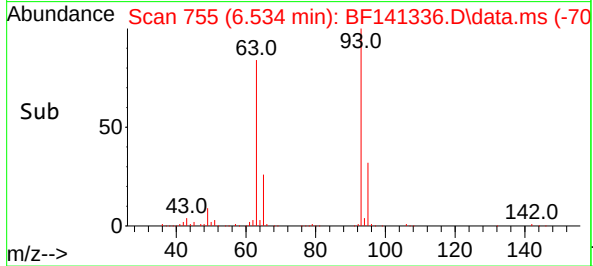
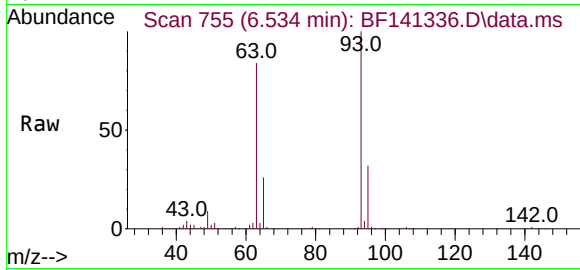




#11
bis(2-Chloroethyl)ether
Concen: 37.636 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

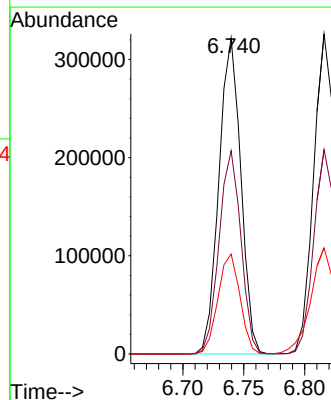
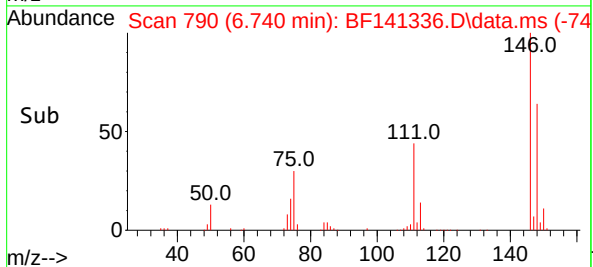
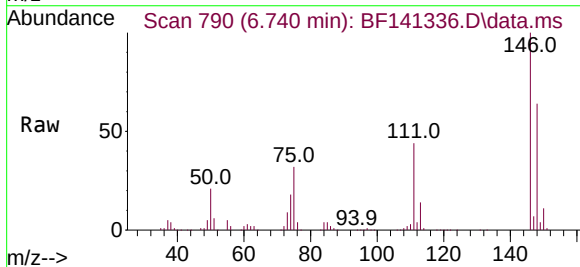
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ClientSampleId :
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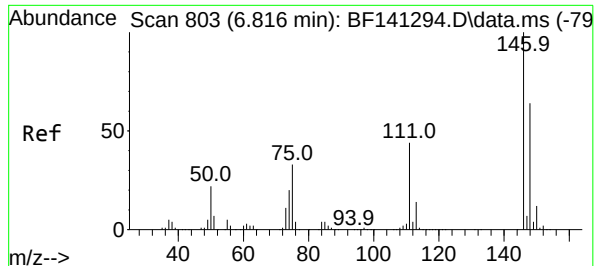
Tgt	Ion: 93	Resp: 354960	
Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.0	105.0
95	31.9	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 37.423 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:146	Resp: 403414		
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.2	76.8
75	31.6	26.2	39.4





#13

1,4-Dichlorobenzene

Concen: 37.151 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

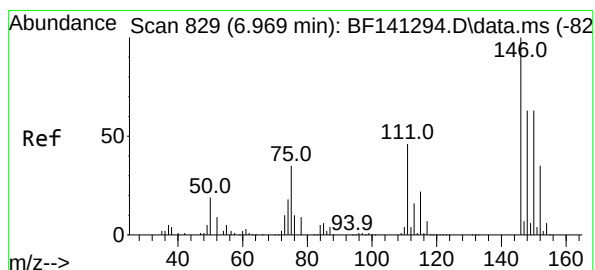
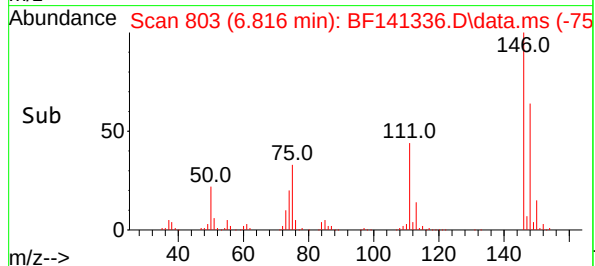
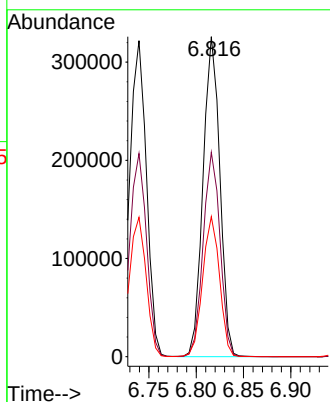
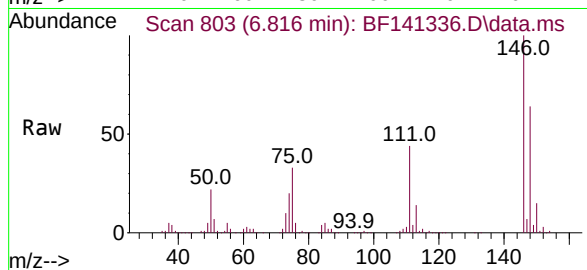
Tgt Ion:146 Resp: 402314

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.272 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

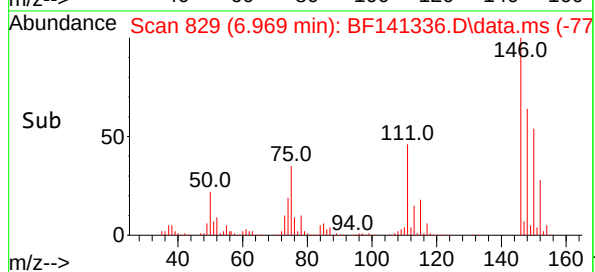
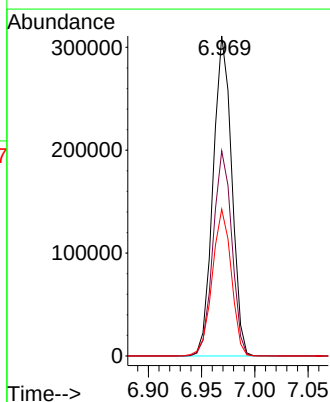
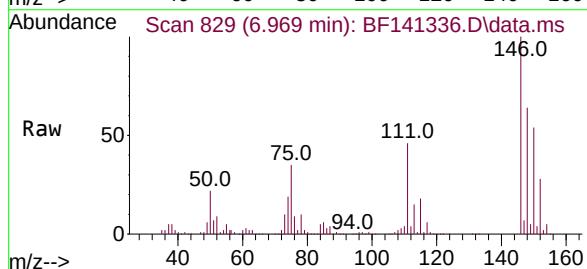
Tgt Ion:146 Resp: 377953

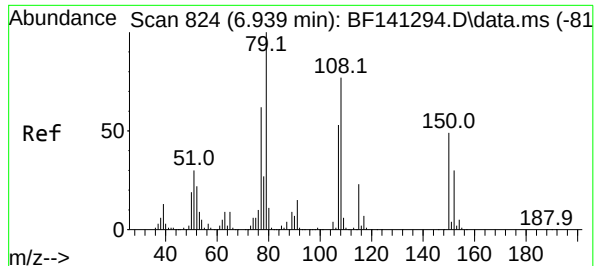
Ion Ratio Lower Upper

146 100

148 64.1 50.5 75.7

111 45.9 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.880 ng

RT: 6.939 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

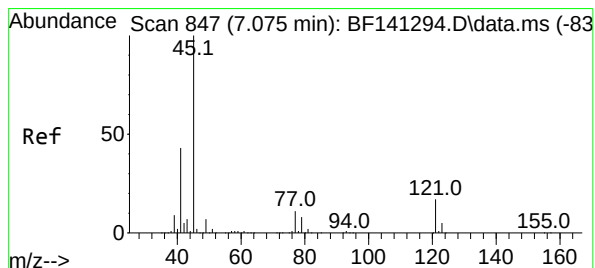
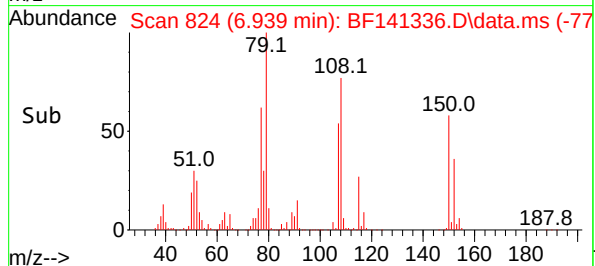
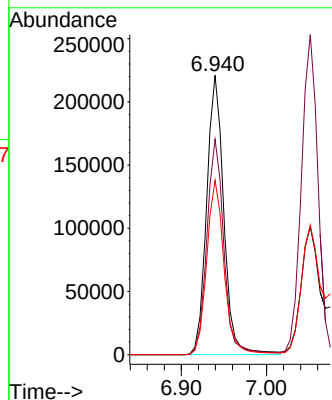
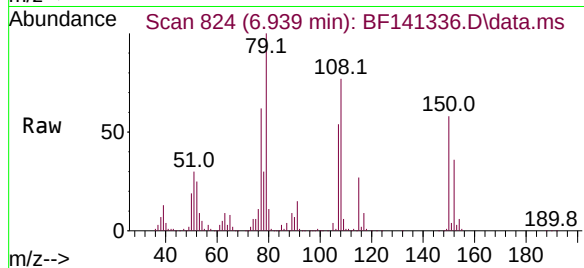
Tgt Ion: 79 Resp: 308313

Ion Ratio Lower Upper

79 100

108 77.1 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.552 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

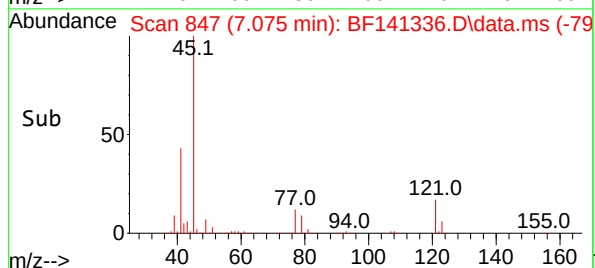
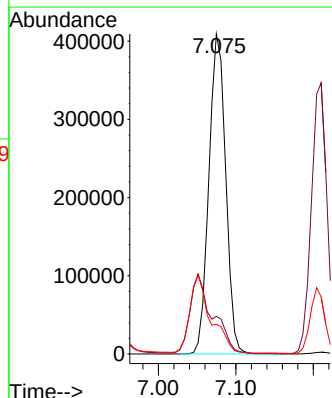
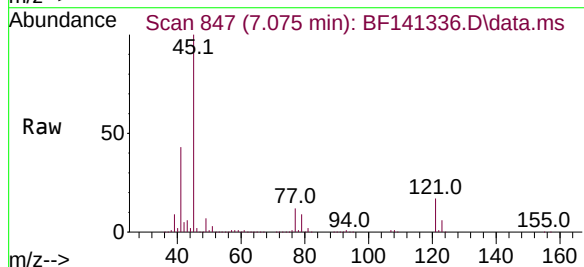
Tgt Ion: 45 Resp: 615868

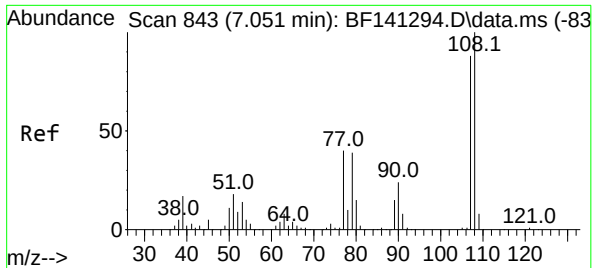
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.2 0.0 29.1

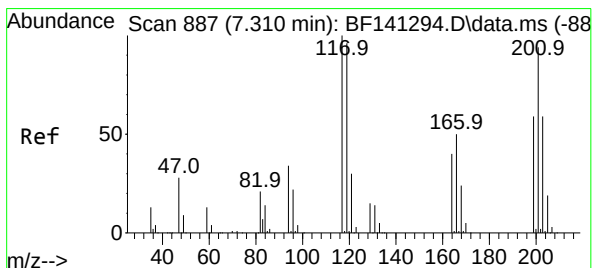
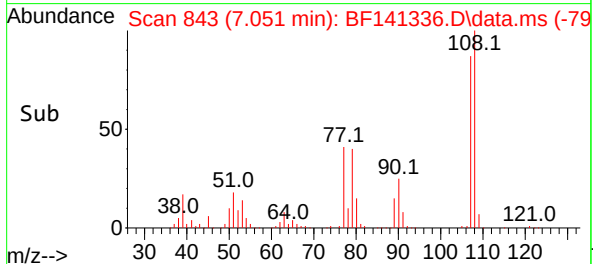
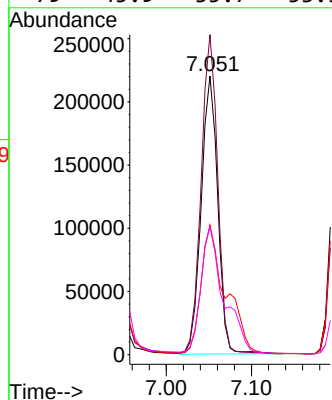
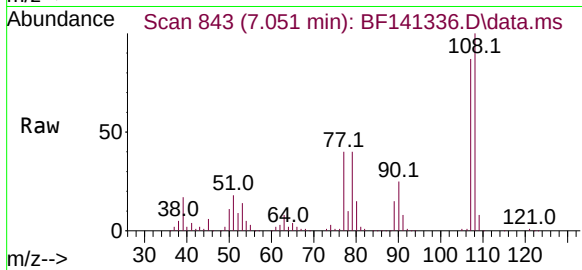




#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

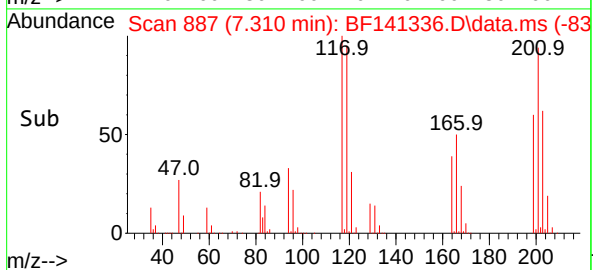
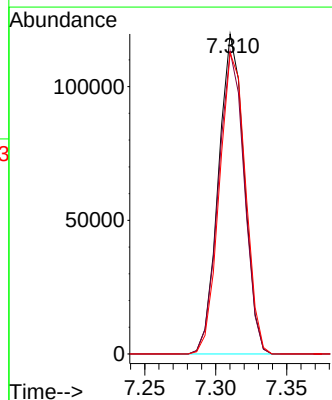
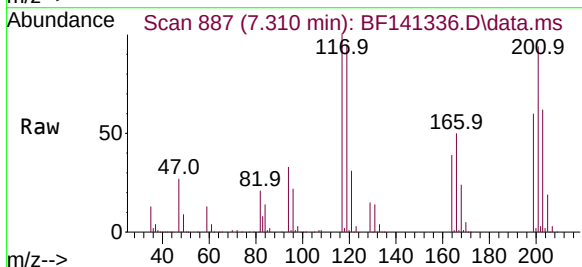
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

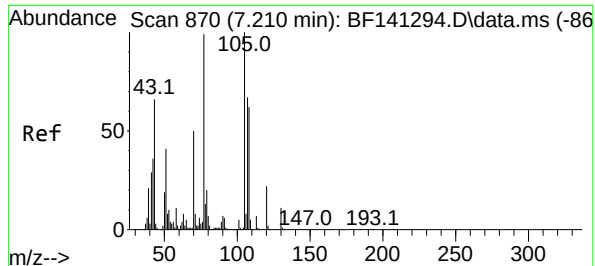
Tgt Ion:107 Resp: 297446
Ion Ratio Lower Upper
107 100
108 114.9 90.8 136.2
77 46.5 36.2 54.4
79 45.9 35.7 53.5



#18
Hexachloroethane
Concen: 37.585 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:117 Resp: 150153
Ion Ratio Lower Upper
117 100
119 94.6 76.6 114.8
201 94.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.424 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 264932

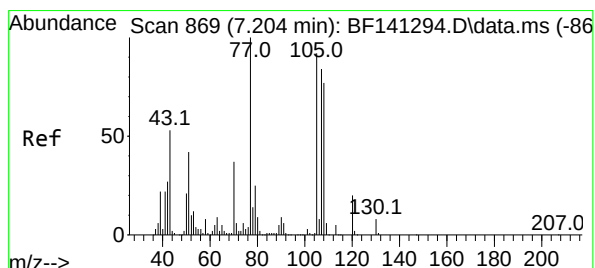
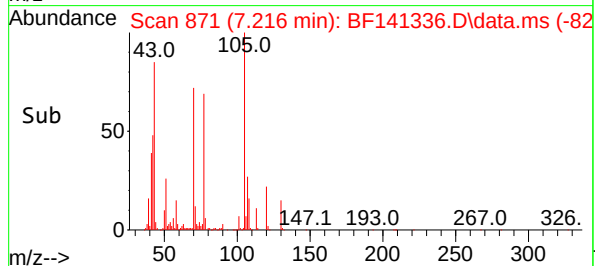
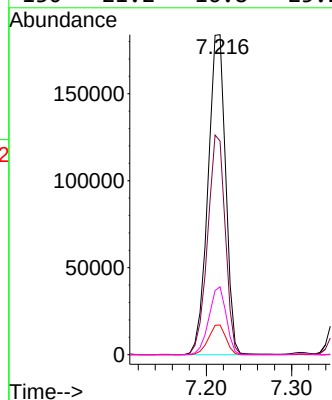
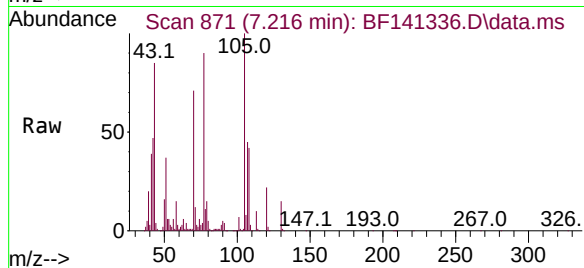
Ion Ratio Lower Upper

70 100

42 66.7 56.8 85.2

101 9.3 7.7 11.5

130 21.2 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.845 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 107 Resp: 369223

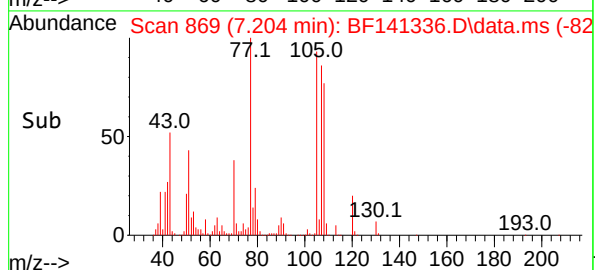
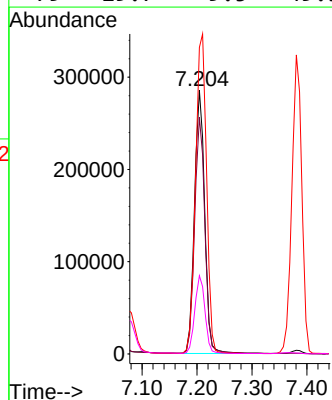
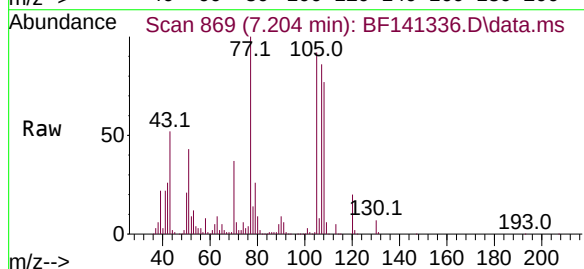
Ion Ratio Lower Upper

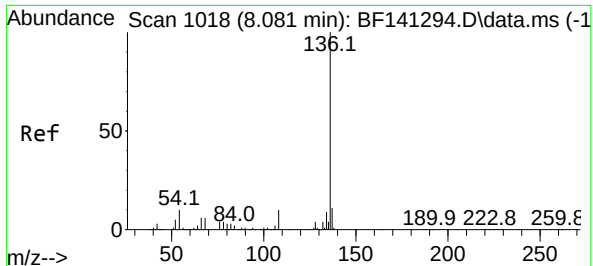
107 100

108 89.8 70.9 110.9

77 116.3 98.5 138.5

79 29.7 9.5 49.5



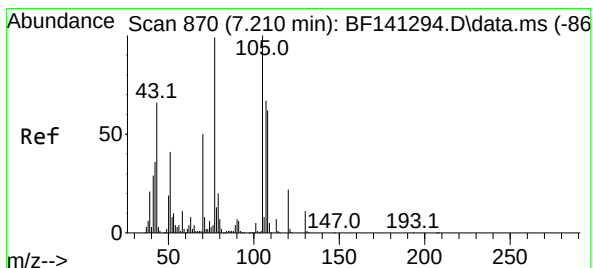
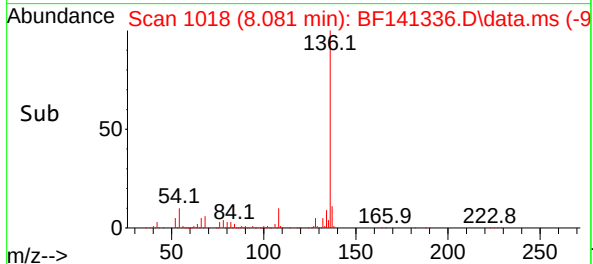
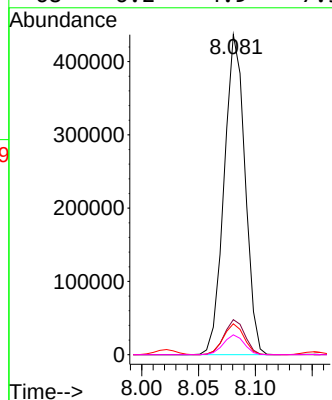
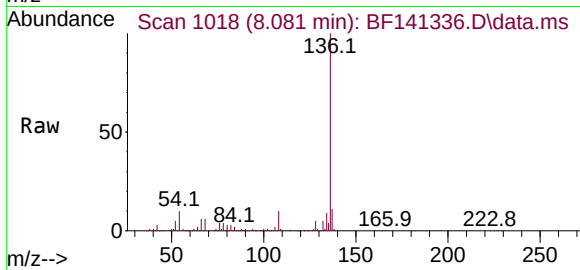


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 558386

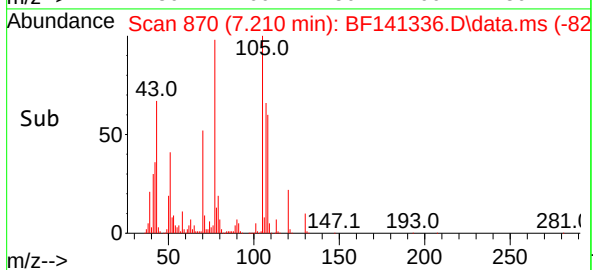
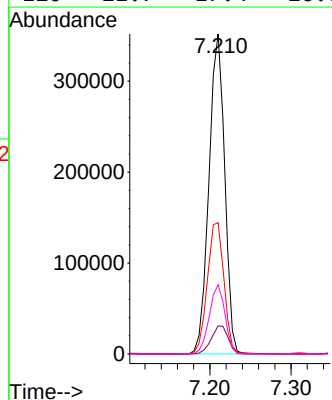
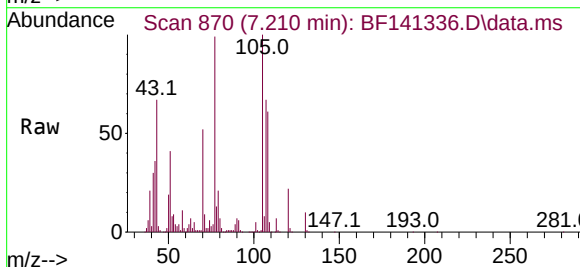
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.2	4.9	7.3

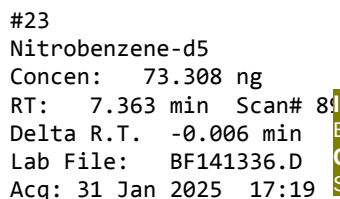


#22
Acetophenone
Concen: 35.678 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:105 Resp: 473548

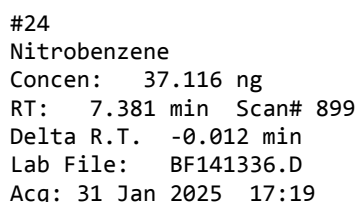
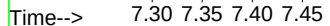
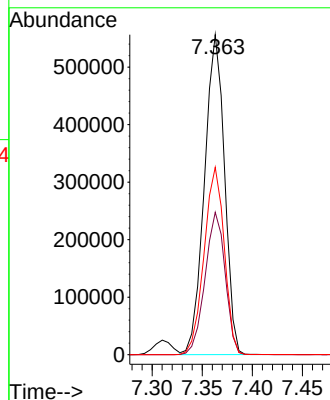
Ion	Ratio	Lower	Upper
105	100		
71	8.7	6.8	10.2
51	41.1	32.6	49.0
120	21.7	17.4	26.0



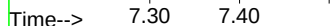
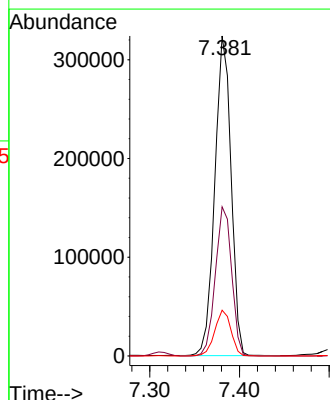


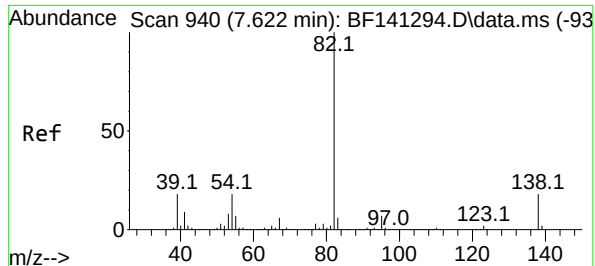
SSTDCCC040

54	58.5	47.1	70.7
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125	48.8	37.9	33.9
65	14.3	11.8	17.6





#25

Isophorone

Concen: 37.934 ng

RT: 7.622 min Scan# 940

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

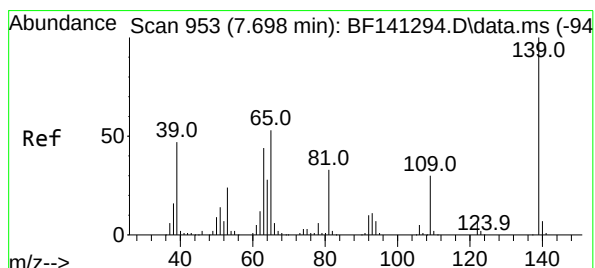
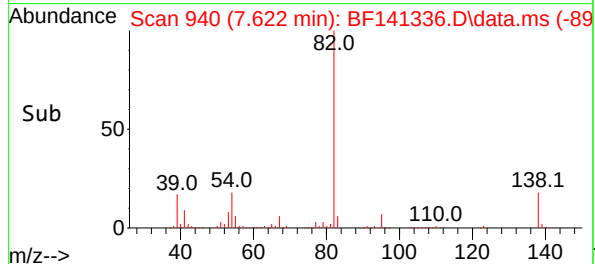
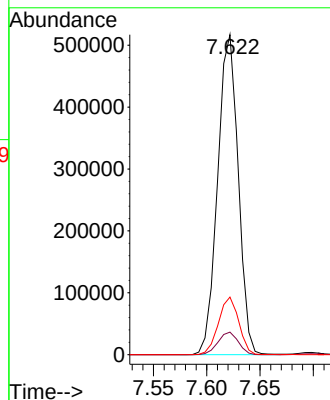
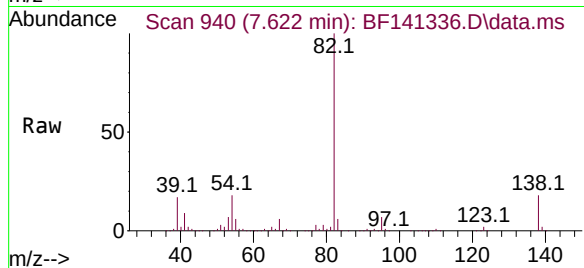
Tgt Ion: 82 Resp: 694555

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 18.0 14.7 22.1



#26

2-Nitrophenol

Concen: 37.762 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

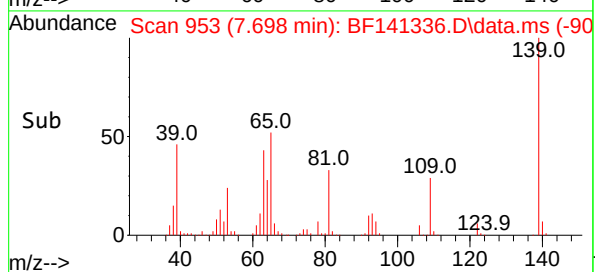
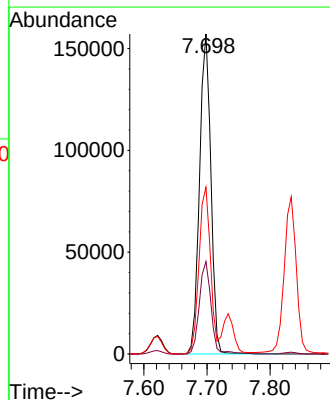
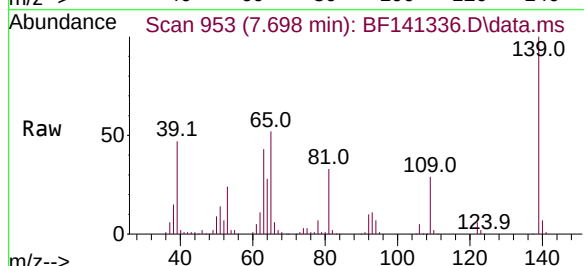
Tgt Ion: 139 Resp: 195489

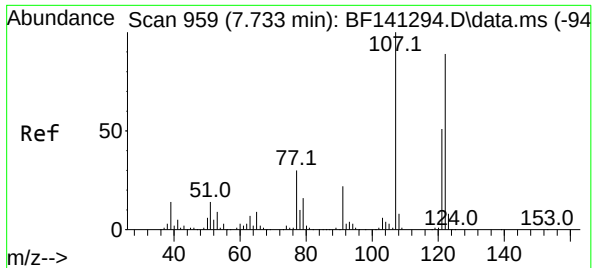
Ion Ratio Lower Upper

139 100

109 28.8 23.8 35.6

65 52.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 37.999 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

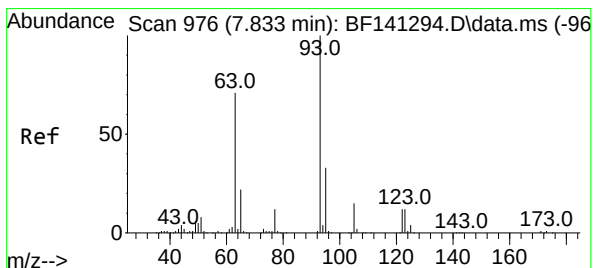
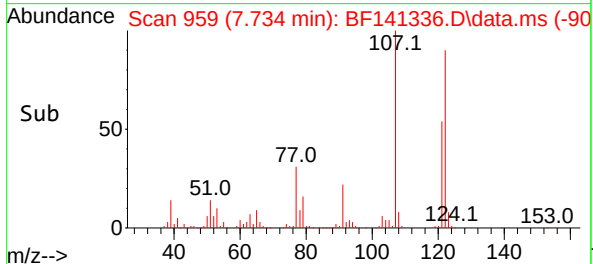
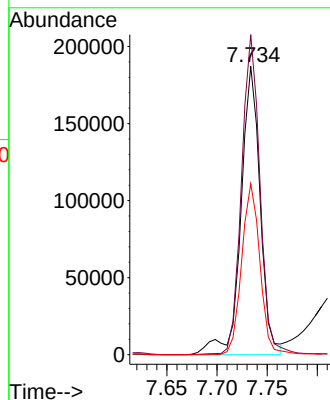
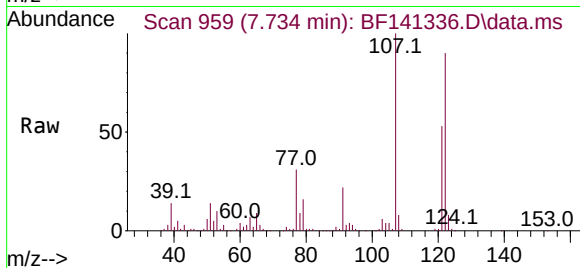
Tgt Ion:122 Resp: 250385

Ion Ratio Lower Upper

122 100

107 111.0 89.9 134.9

121 59.4 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 36.955 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

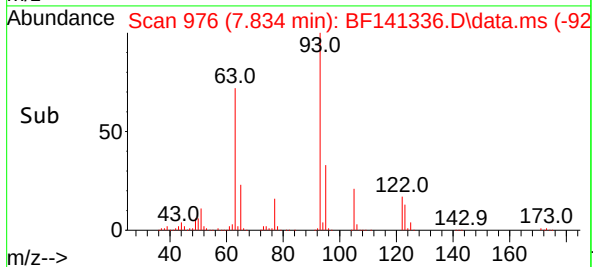
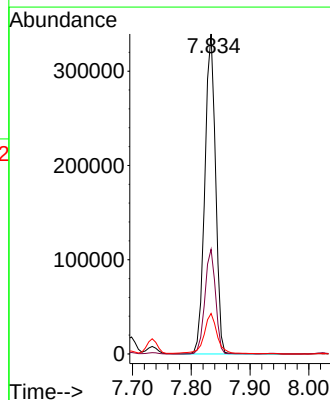
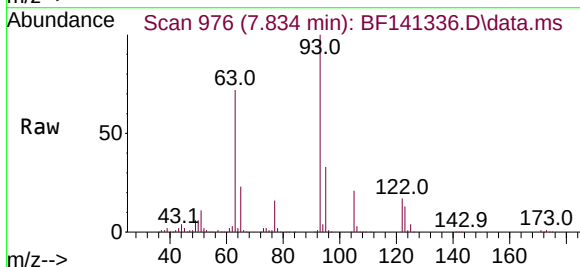
Tgt Ion: 93 Resp: 431598

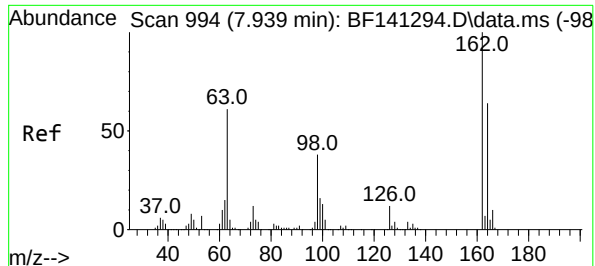
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.608 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

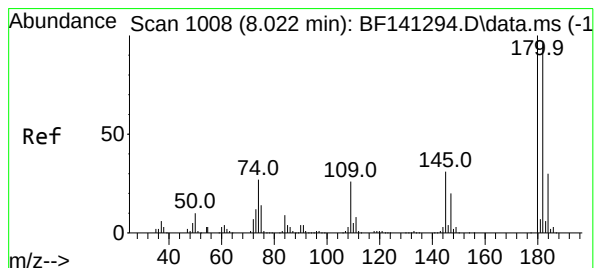
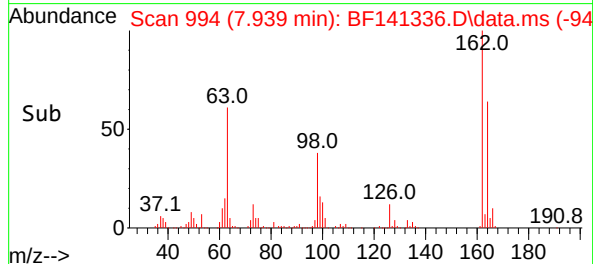
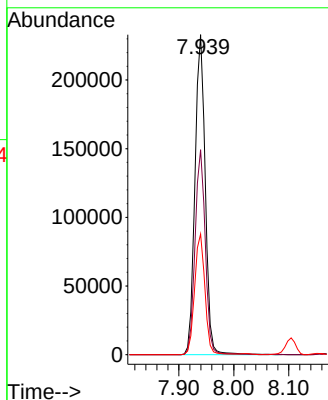
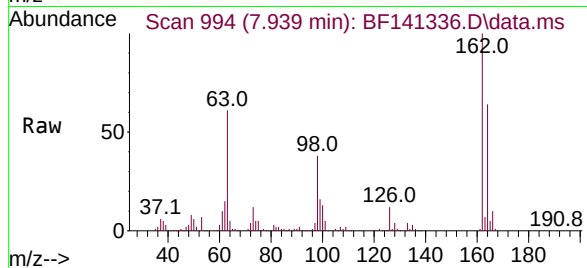
Tgt Ion:162 Resp: 303375

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.7 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.214 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

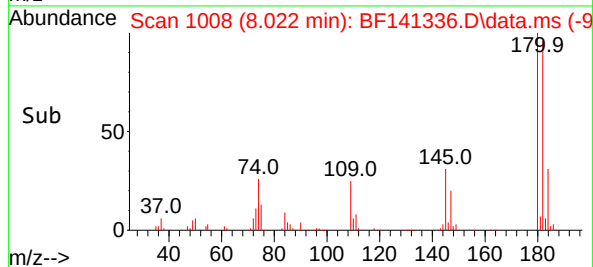
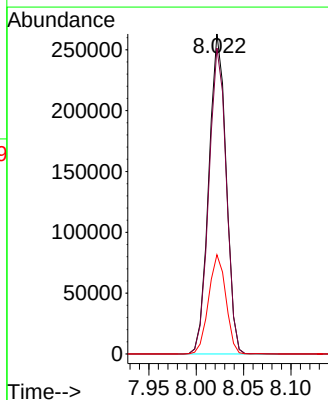
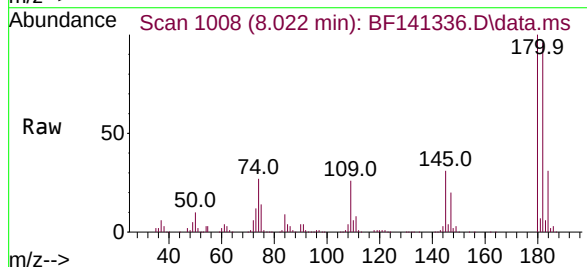
Tgt Ion:180 Resp: 333619

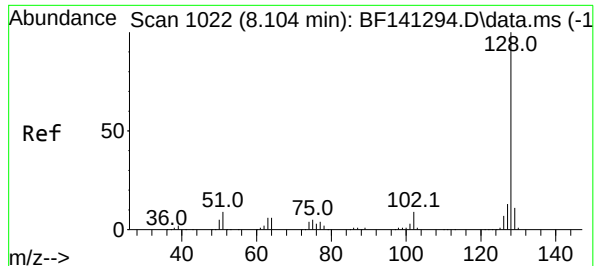
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 36.561 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

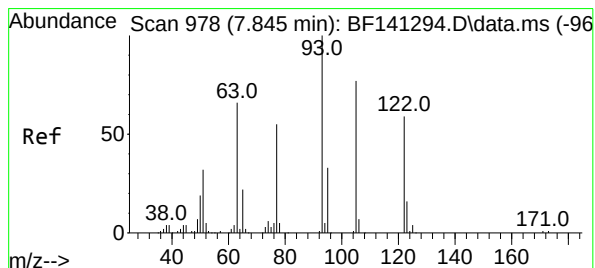
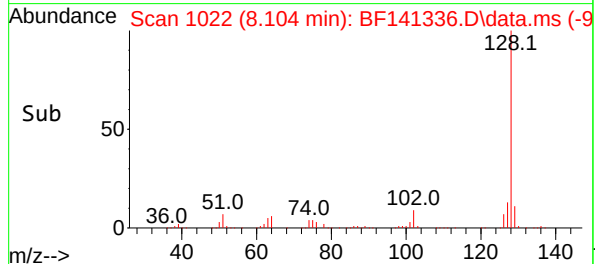
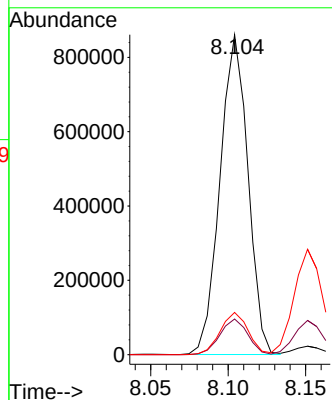
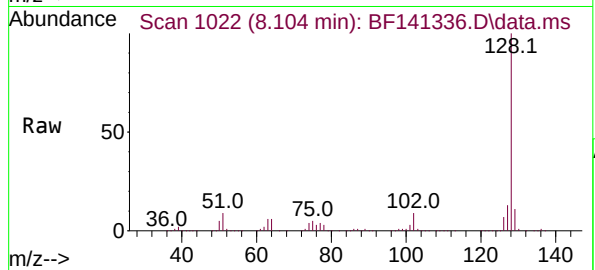
Tgt Ion:128 Resp: 1078465

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.698 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

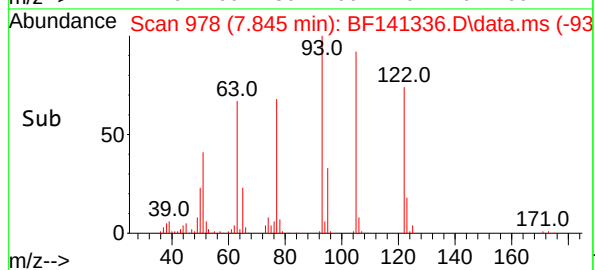
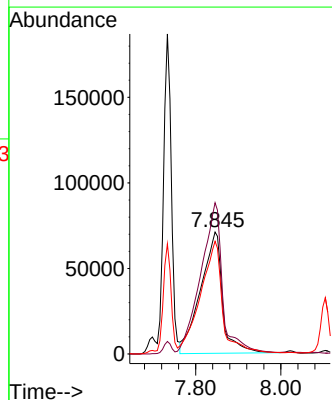
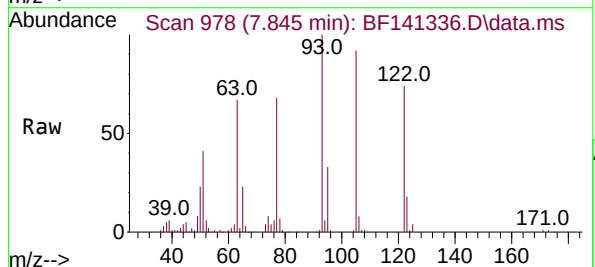
Tgt Ion:122 Resp: 252577

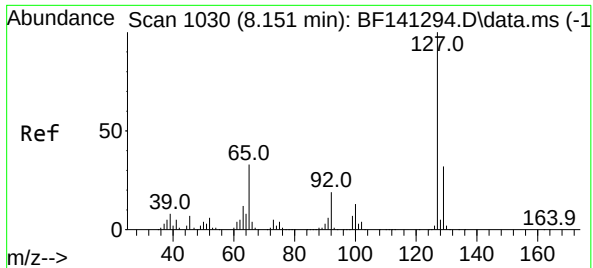
Ion Ratio Lower Upper

122 100

105 124.1 103.4 143.4

77 92.4 70.9 110.9





#33

4-Chloroaniline

Concen: 36.719 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 367291

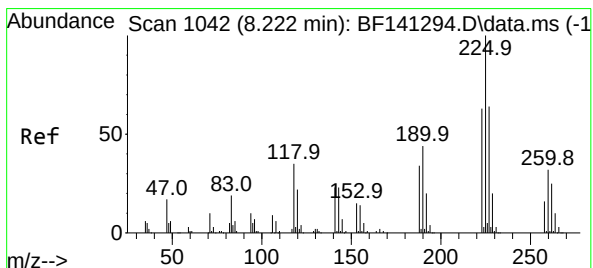
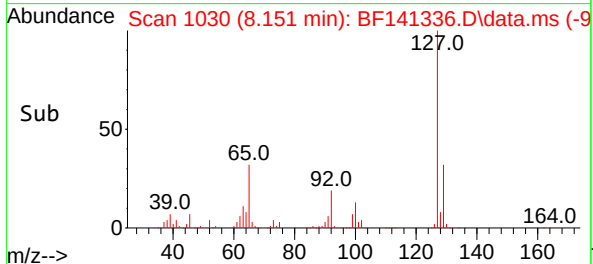
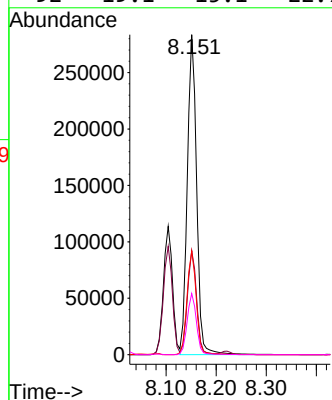
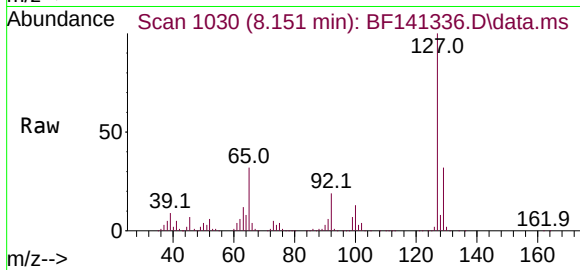
Ion Ratio Lower Upper

127 100

129 32.5 25.7 38.5

65 32.4 26.4 39.6

92 19.1 15.1 22.7



#34

Hexachlorobutadiene

Concen: 37.021 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

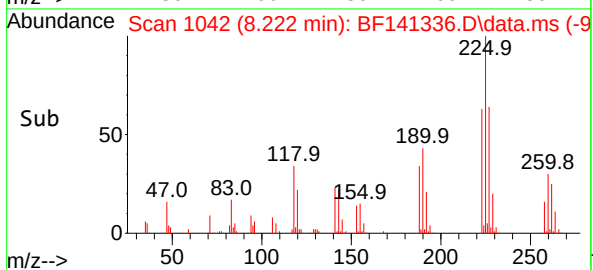
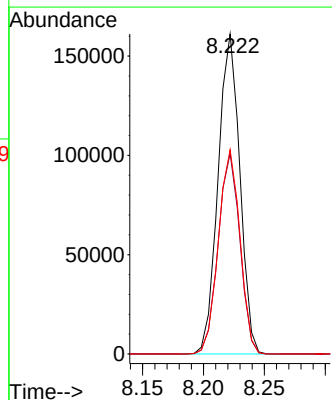
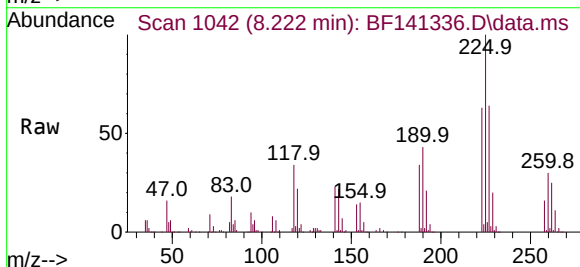
Tgt Ion:225 Resp: 200005

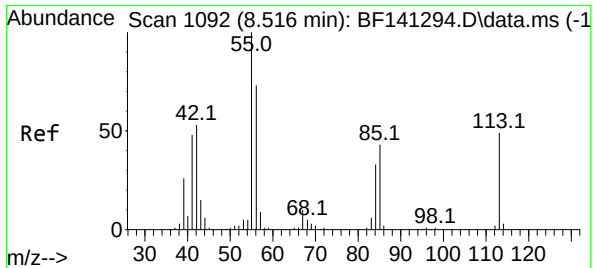
Ion Ratio Lower Upper

225 100

223 62.6 50.4 75.6

227 63.9 51.3 76.9

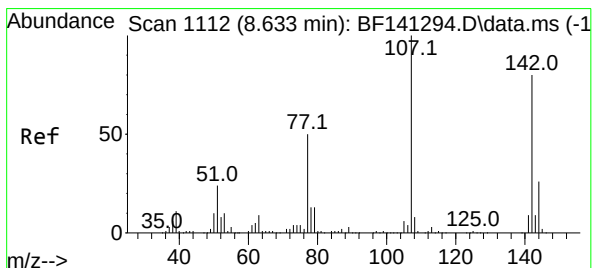
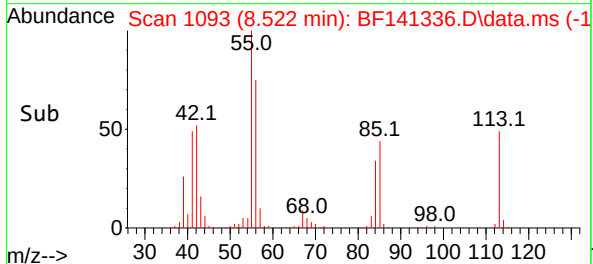
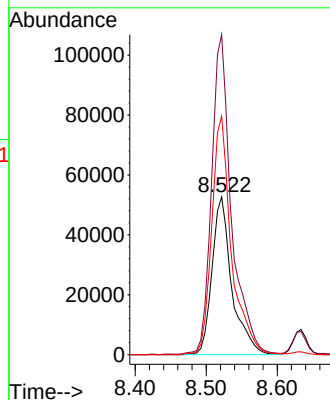
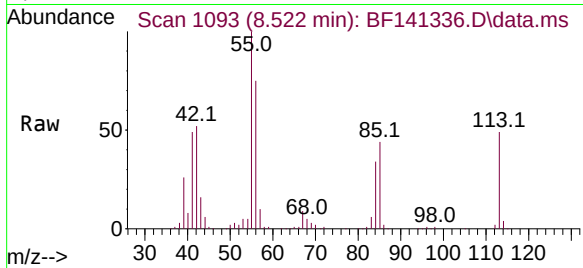




#35
 Caprolactam
 Concen: 38.705 ng
 RT: 8.522 min Scan# 1093
 Delta R.T. -0.024 min
 Lab File: BF141336.D
 Acq: 31 Jan 2025 17:19

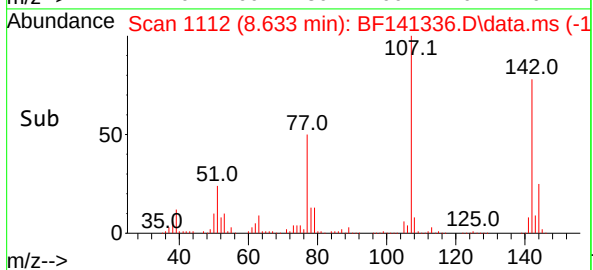
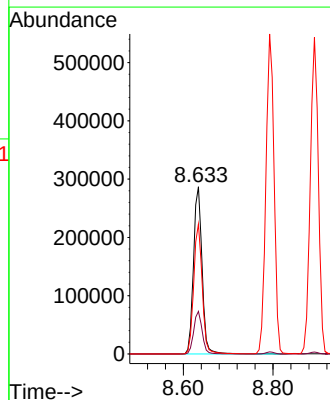
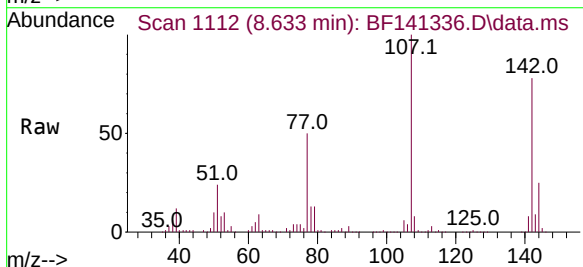
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

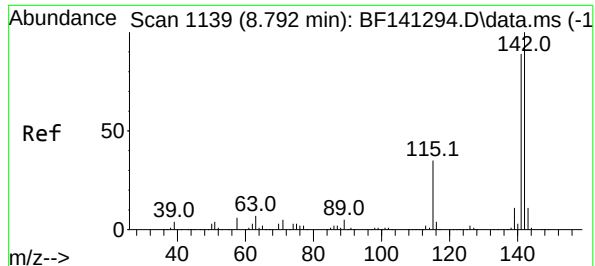
Tgt Ion:113 Resp: 101967
 Ion Ratio Lower Upper
 113 100
 55 202.8 182.9 222.9
 56 151.1 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 43.991 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141336.D
 Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 380639
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.7 31.1
 142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 36.818 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

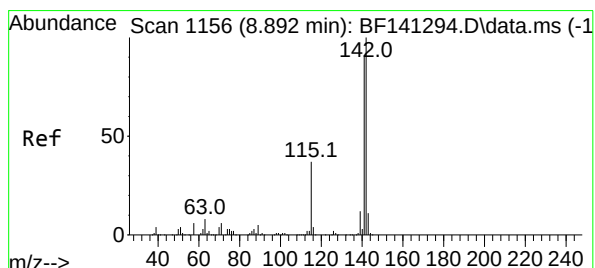
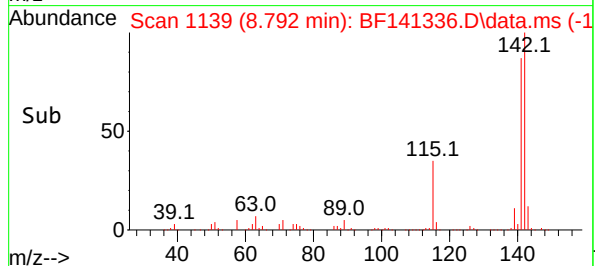
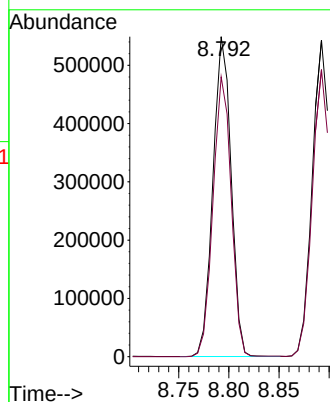
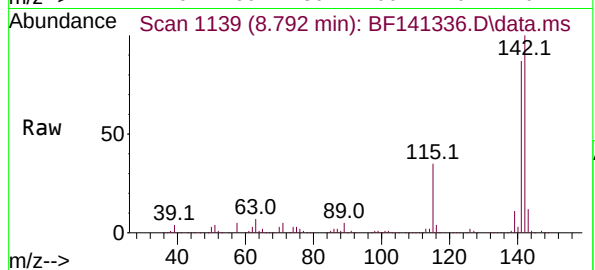
SSTDCCC040

Tgt Ion:142 Resp: 690288

Ion Ratio Lower Upper

142 100

141 87.4 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.681 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF141336.D

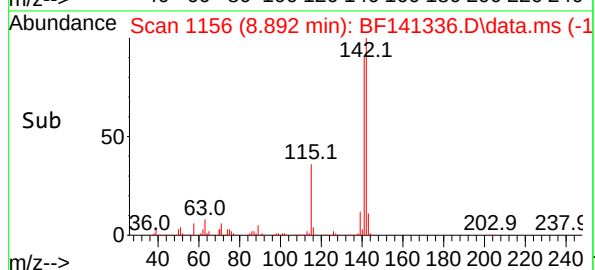
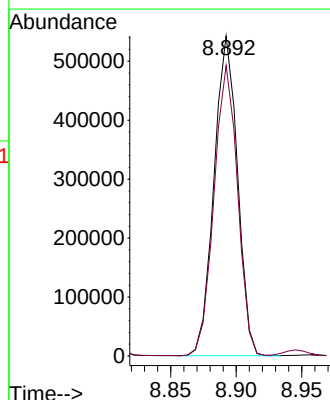
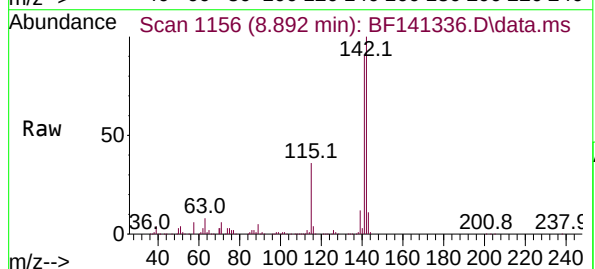
Acq: 31 Jan 2025 17:19

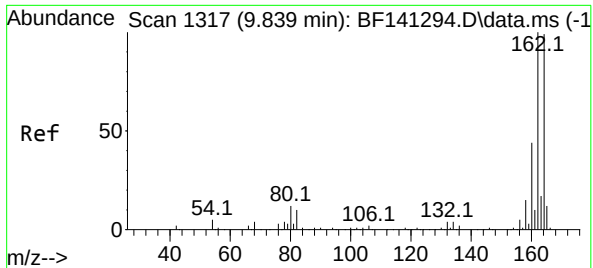
Tgt Ion:142 Resp: 675547

Ion Ratio Lower Upper

142 100

141 90.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

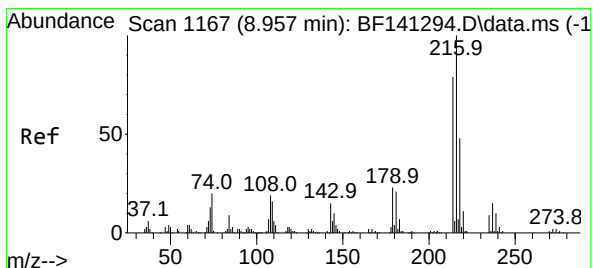
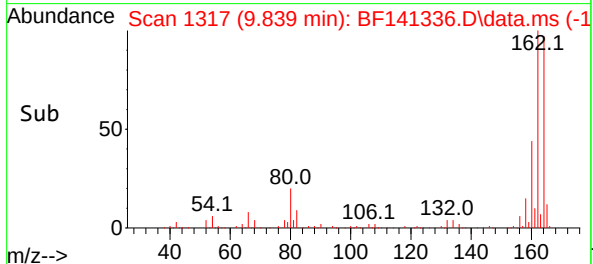
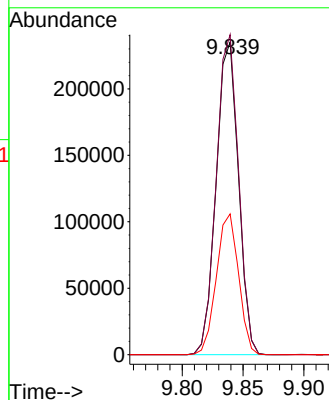
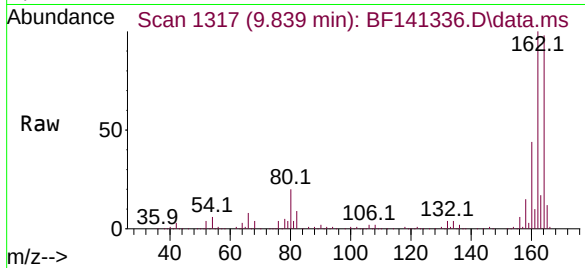
Tgt Ion:164 Resp: 299701

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

160 45.0 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.224 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:216 Resp: 308854

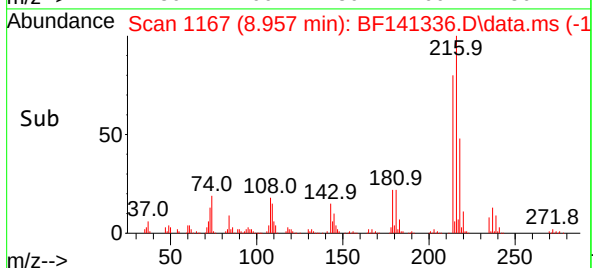
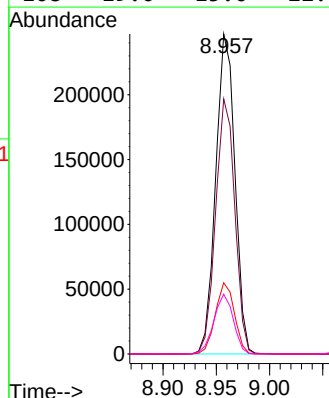
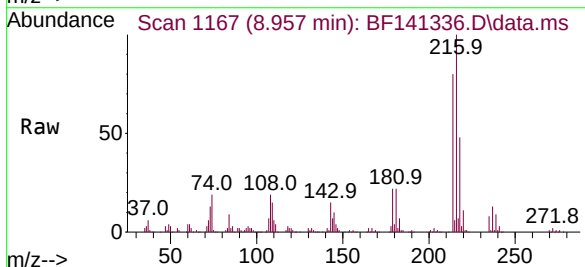
Ion Ratio Lower Upper

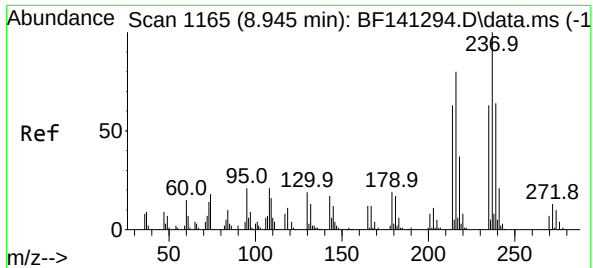
216 100

214 79.6 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 37.949 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

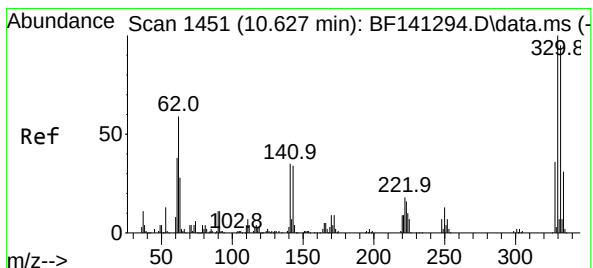
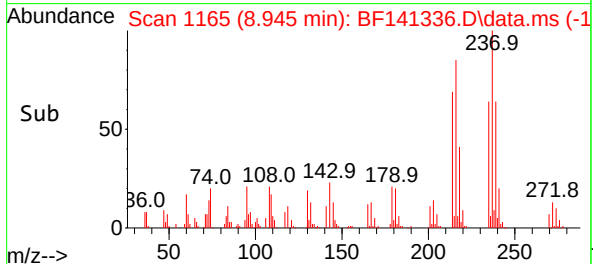
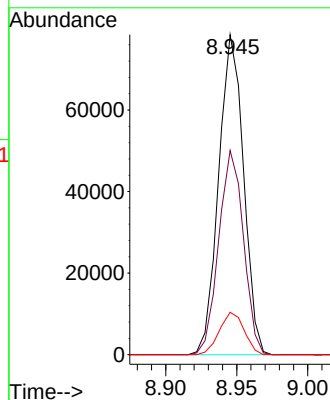
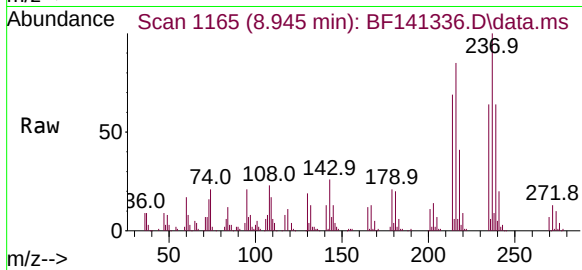
Tgt Ion:237 Resp: 95556

Ion Ratio Lower Upper

237 100

235 63.8 42.9 82.9

272 13.2 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 77.122 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

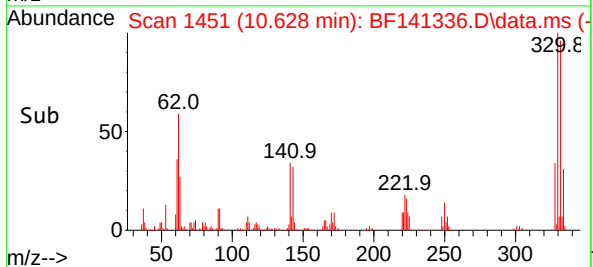
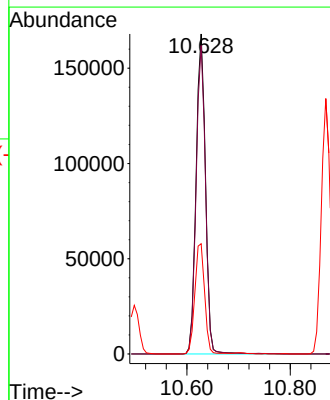
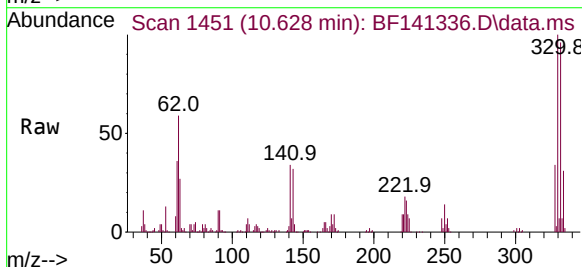
Tgt Ion:330 Resp: 211897

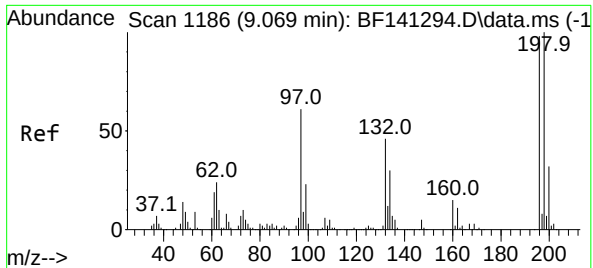
Ion Ratio Lower Upper

330 100

332 95.8 76.1 114.1

141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 39.199 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

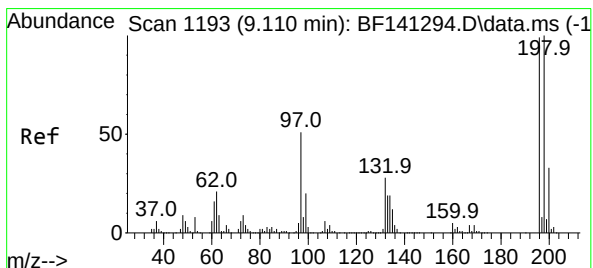
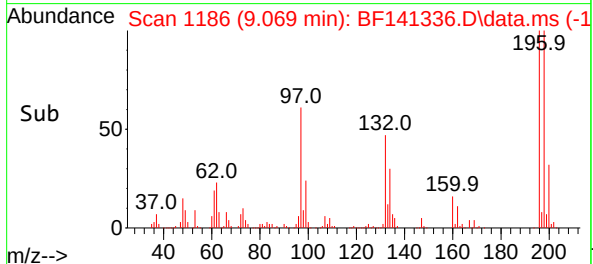
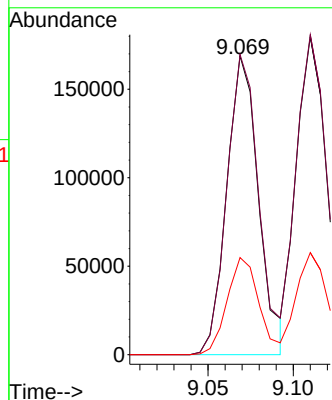
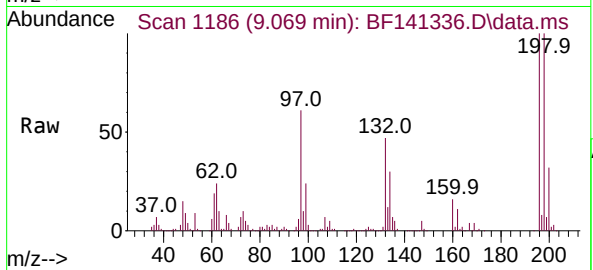
Tgt Ion:196 Resp: 218757

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.608 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:196 Resp: 228427

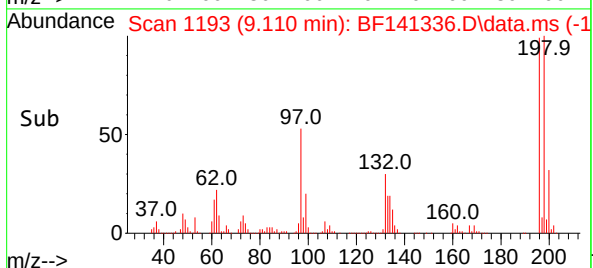
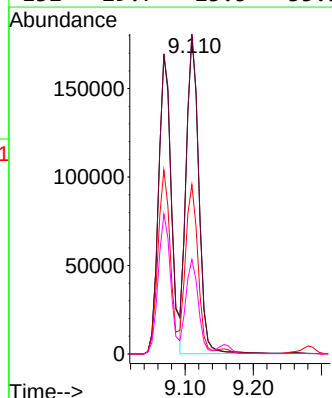
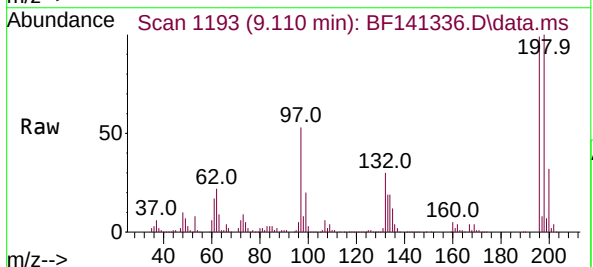
Ion Ratio Lower Upper

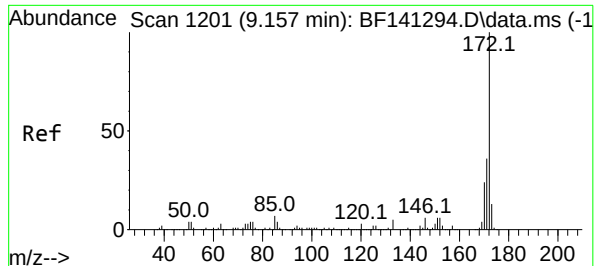
196 100

198 100.7 80.5 120.7

97 53.3 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 70.690 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

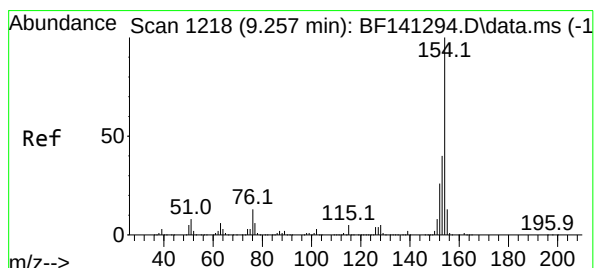
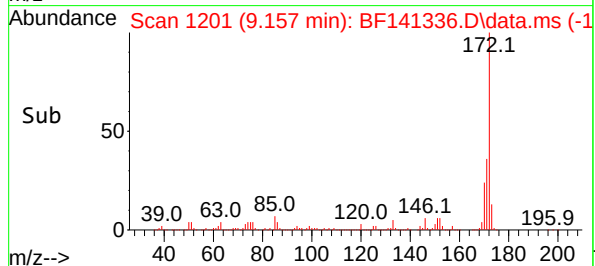
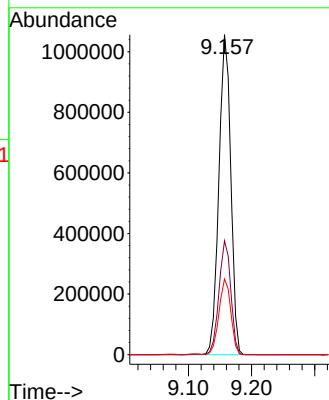
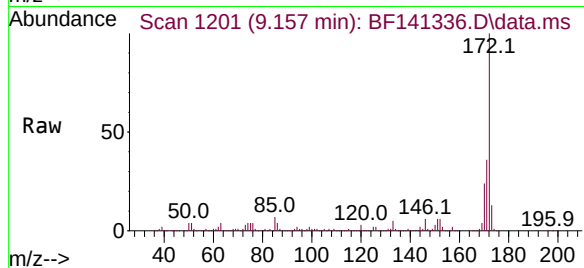
Tgt Ion:172 Resp: 1376427

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 36.585 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

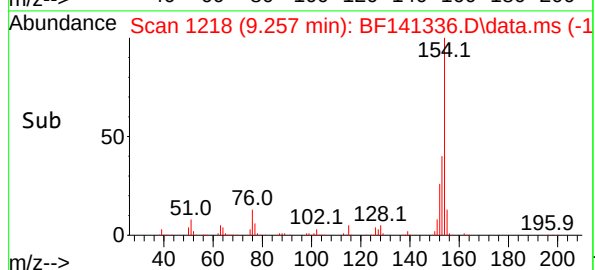
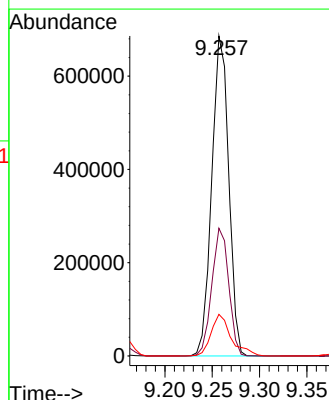
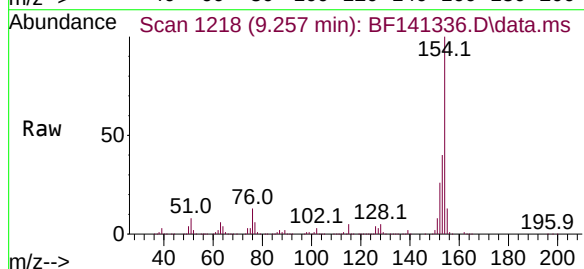
Tgt Ion:154 Resp: 855111

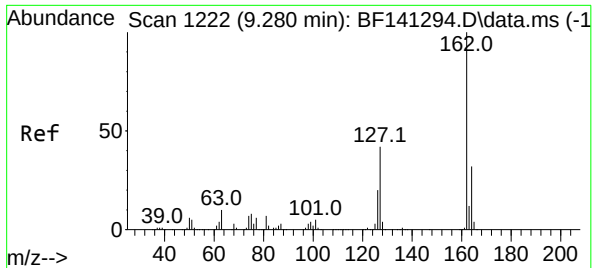
Ion Ratio Lower Upper

154 100

153 39.9 20.0 60.0

76 13.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.251 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

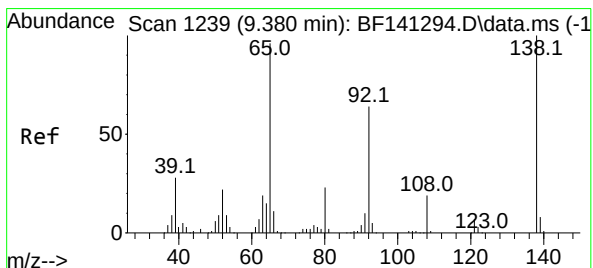
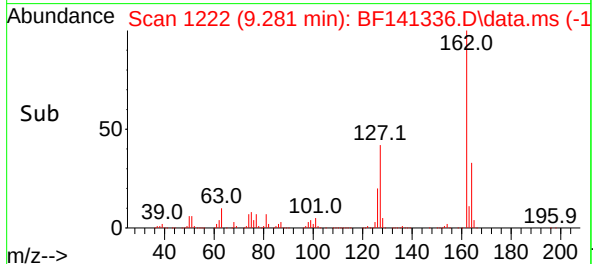
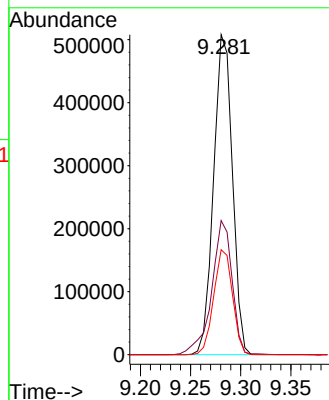
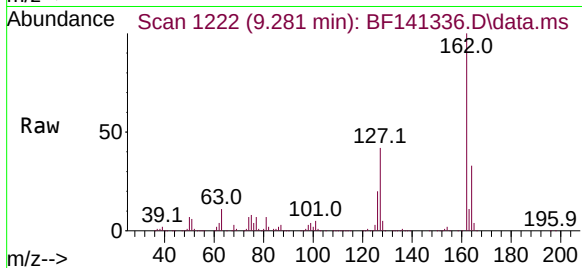
Tgt Ion:162 Resp: 660426

Ion Ratio Lower Upper

162 100

127 41.9 33.7 50.5

164 32.8 25.9 38.9



#48

2-Nitroaniline

Concen: 38.330 ng

RT: 9.381 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

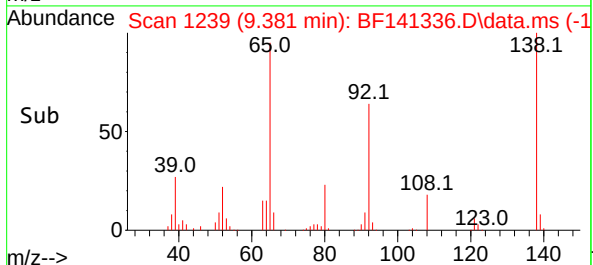
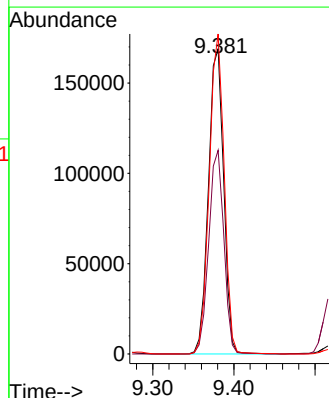
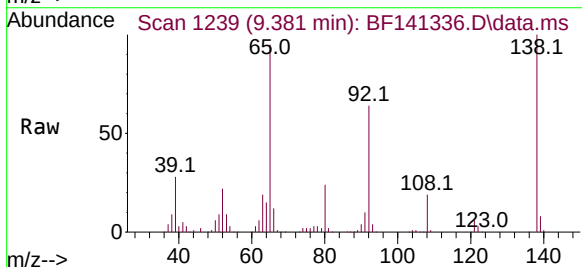
Tgt Ion: 65 Resp: 219643

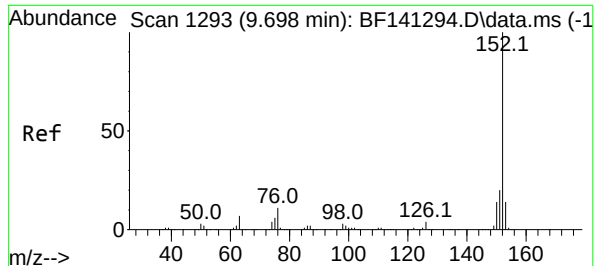
Ion Ratio Lower Upper

65 100

92 66.8 53.3 79.9

138 104.9 83.6 125.4





#49

Acenaphthylene

Concen: 37.073 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141336.D

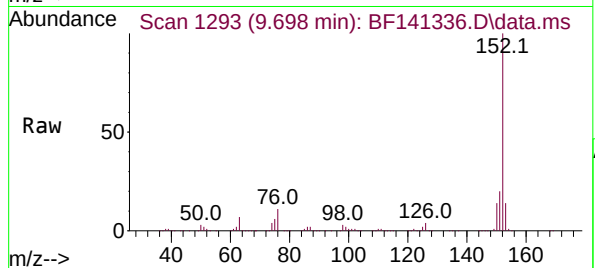
Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



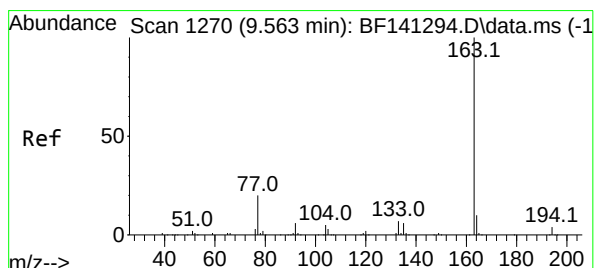
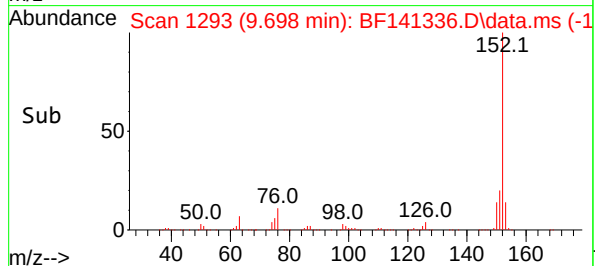
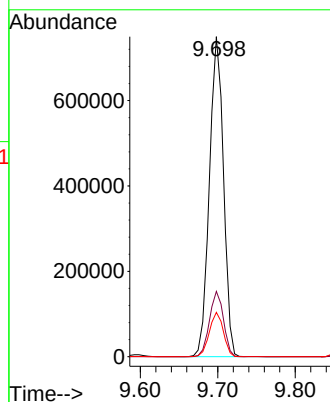
Tgt Ion:152 Resp: 945423

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 38.200 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

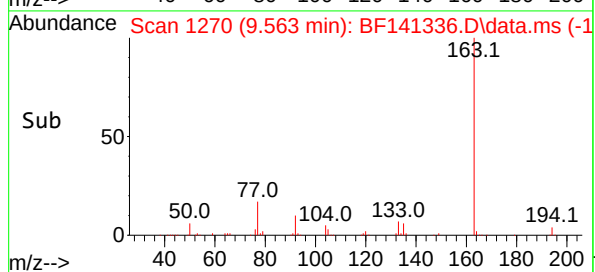
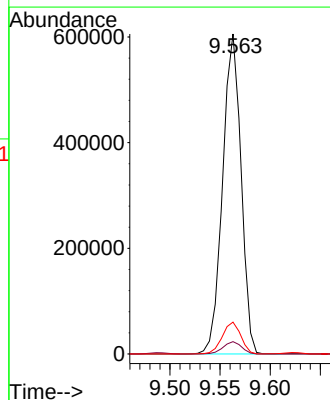
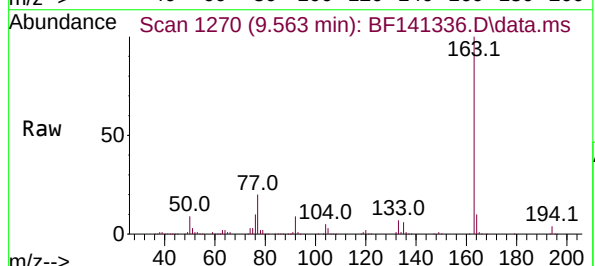
Tgt Ion:163 Resp: 773243

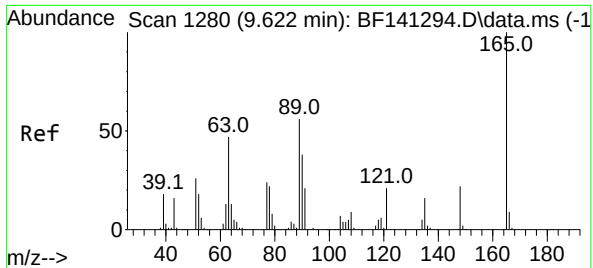
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.0 12.0

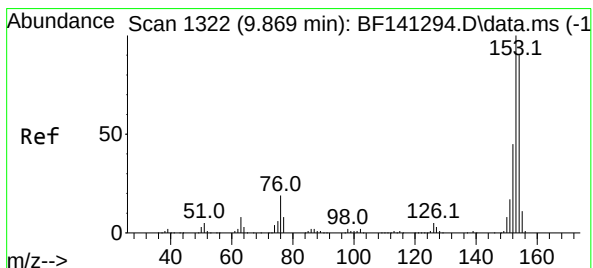
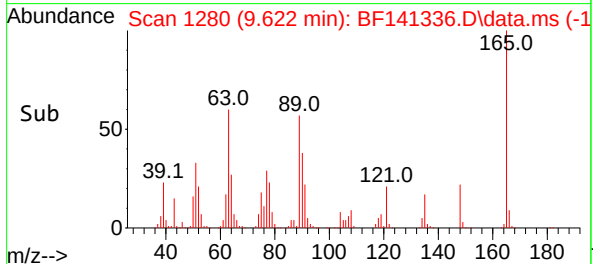
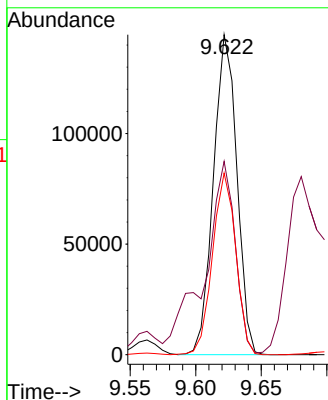
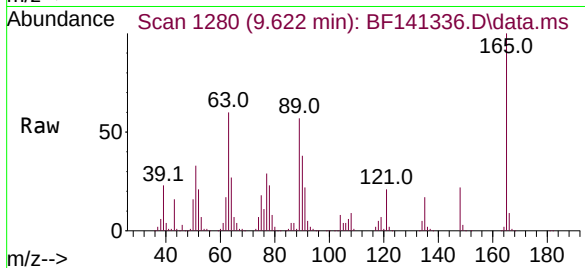




#51
2,6-Dinitrotoluene
Concen: 38.268 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

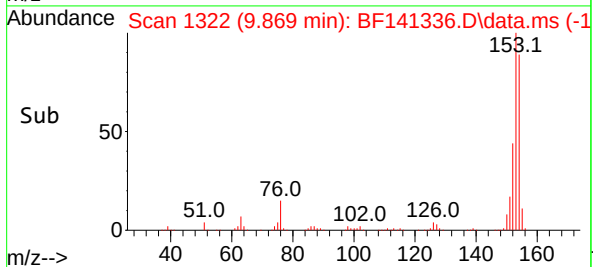
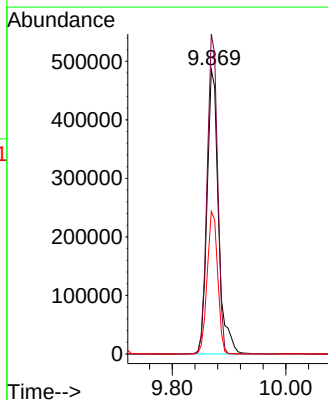
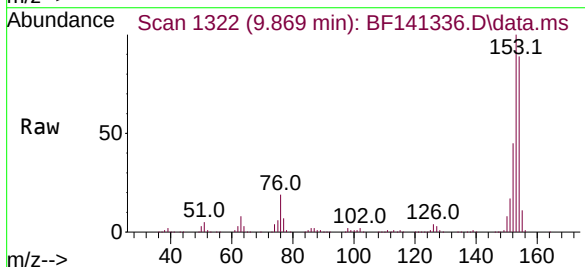
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

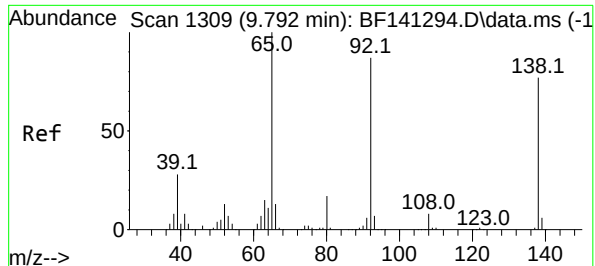
Tgt Ion:165 Resp: 179857
Ion Ratio Lower Upper
165 100
63 60.4 48.1 72.1
89 56.7 44.9 67.3



#52
Acenaphthene
Concen: 37.066 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:154 Resp: 675302
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 50.1 40.2 60.4





#53

3-Nitroaniline

Concen: 37.936 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

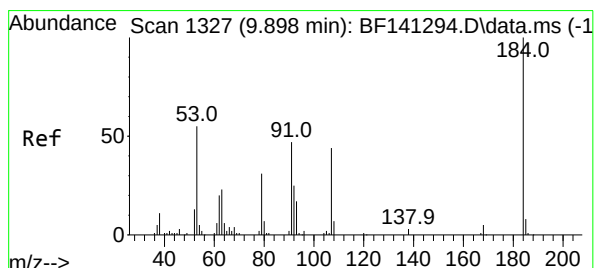
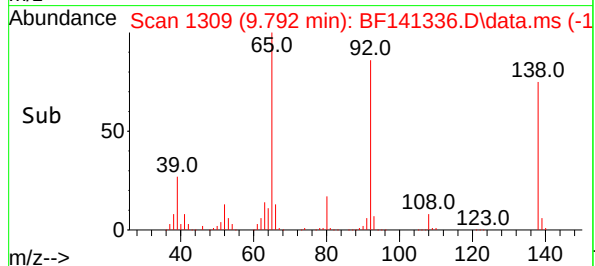
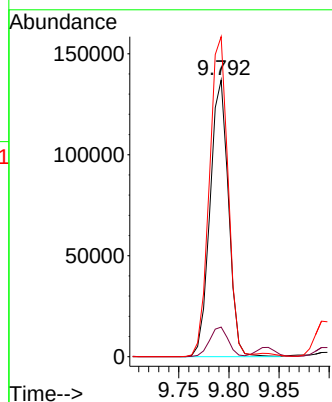
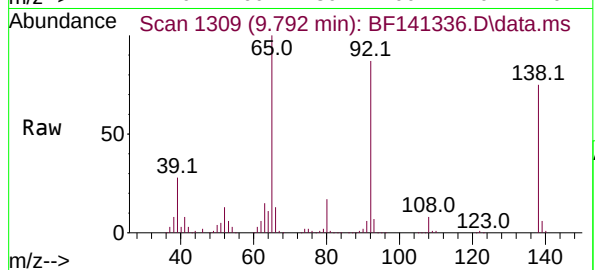
Tgt Ion:138 Resp: 174746

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

92 115.7 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 41.270 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

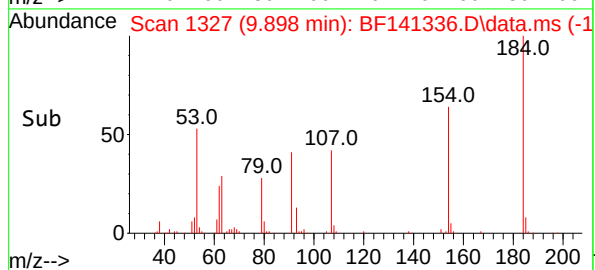
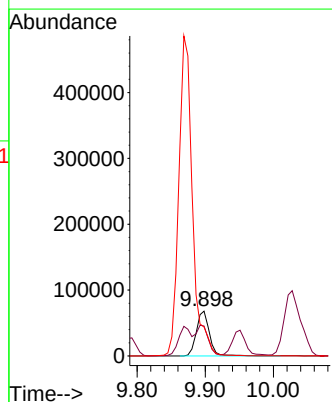
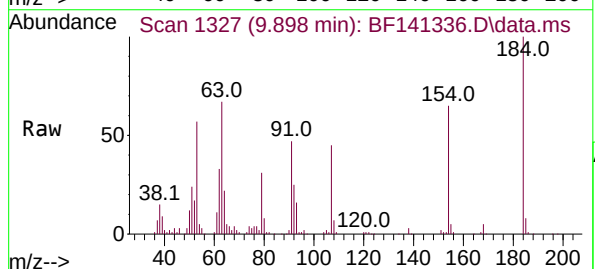
Tgt Ion:184 Resp: 90166

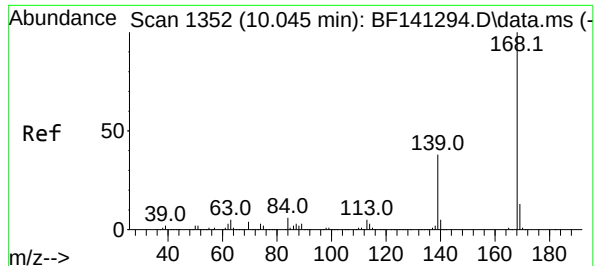
Ion Ratio Lower Upper

184 100

63 66.5 54.1 81.1

154 64.7 50.7 76.1





#55

Dibenzenofuran

Concen: 36.395 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

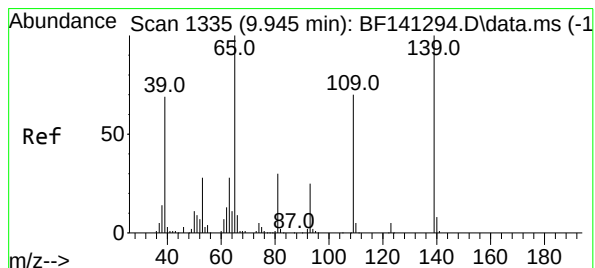
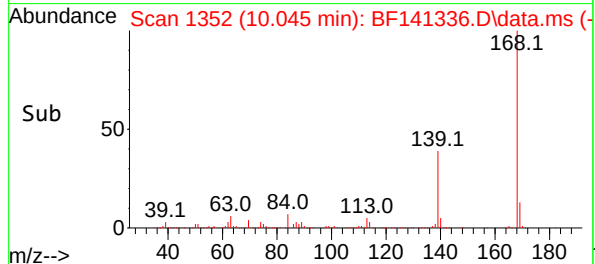
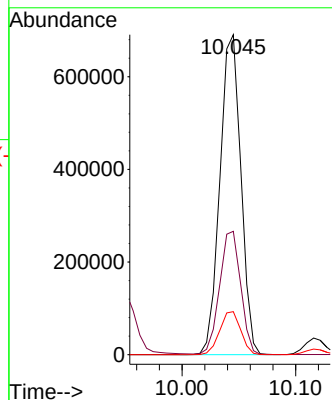
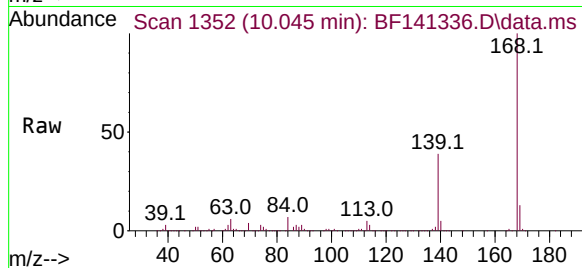
Tgt Ion:168 Resp: 887550

Ion Ratio Lower Upper

168 100

139 38.5 30.6 46.0

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 53.378 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

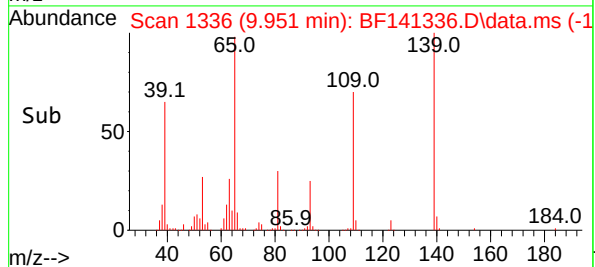
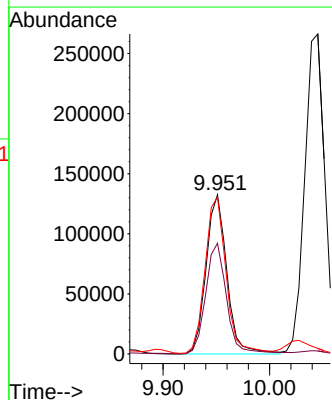
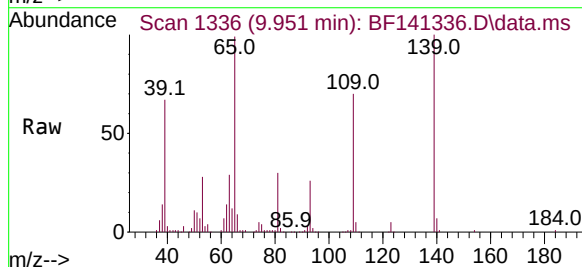
Tgt Ion:139 Resp: 179822

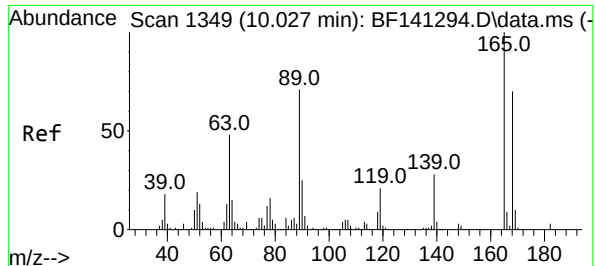
Ion Ratio Lower Upper

139 100

109 69.6 50.2 90.2

65 98.6 80.6 120.6

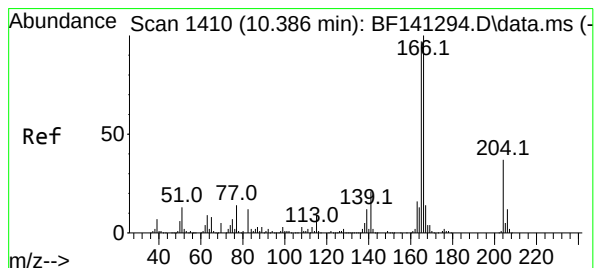
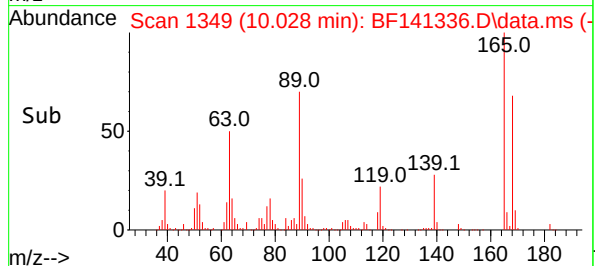
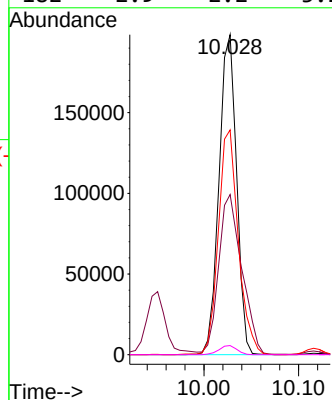
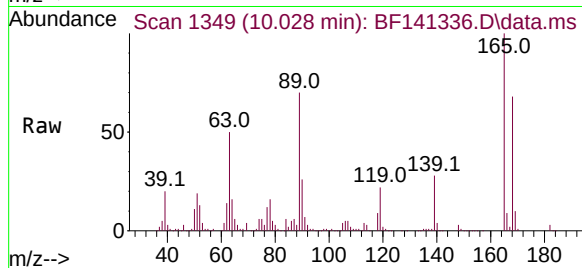




#57
2,4-Dinitrotoluene
Concen: 42.014 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

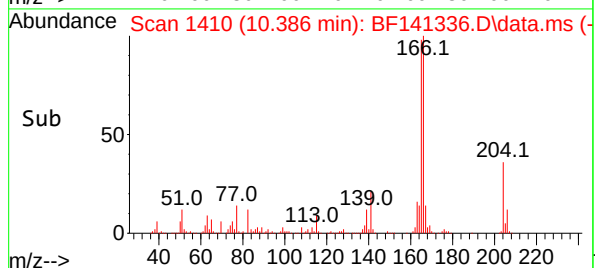
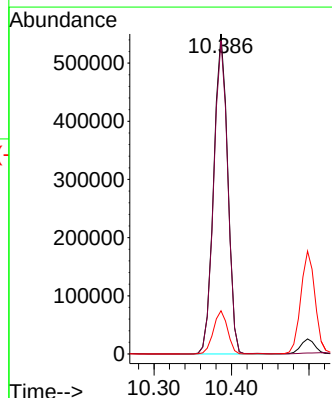
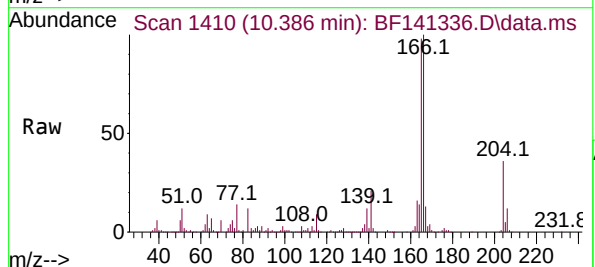
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

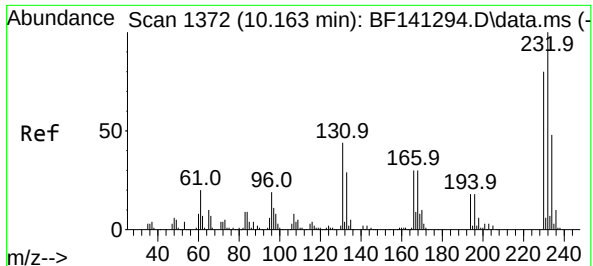
Tgt Ion:165 Resp: 255655
Ion Ratio Lower Upper
165 100
63 50.0 39.2 58.8
89 70.2 56.9 85.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 36.485 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:166 Resp: 690153
Ion Ratio Lower Upper
166 100
165 97.9 77.5 116.3
167 13.5 10.9 16.3

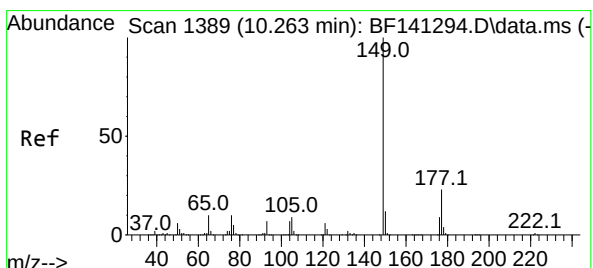
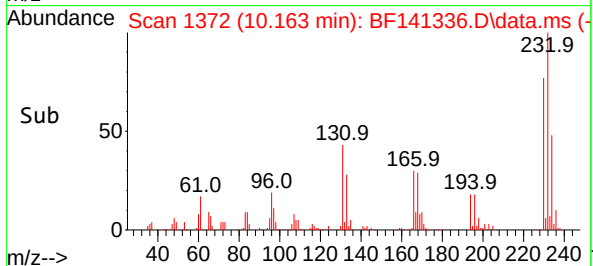
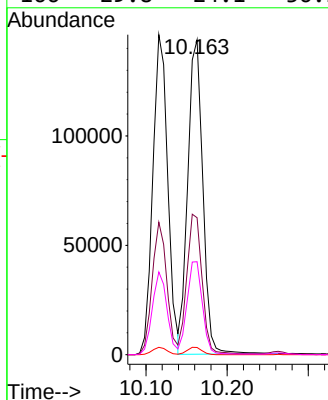
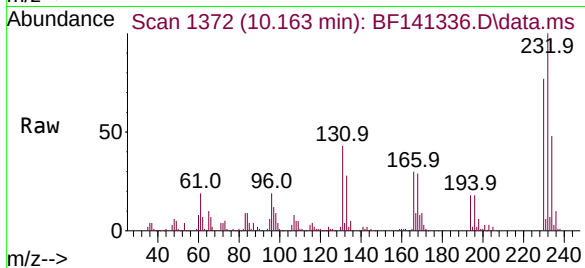




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.903 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

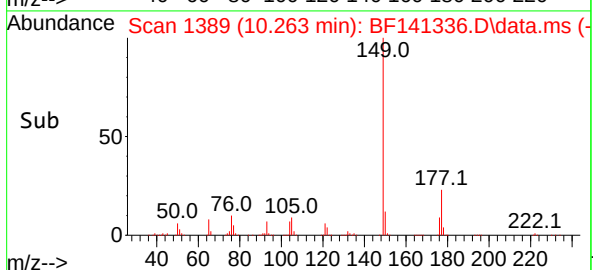
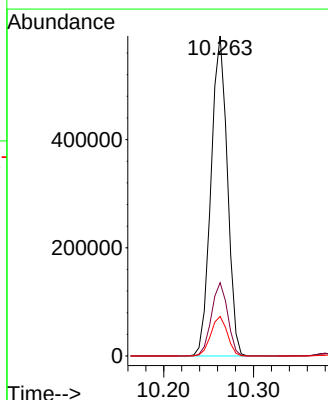
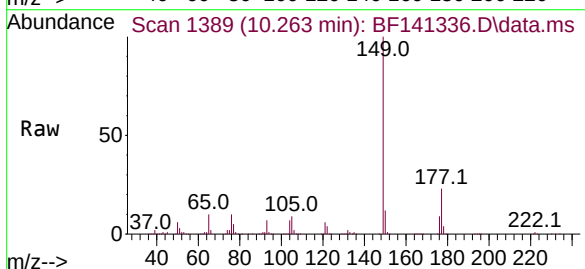
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

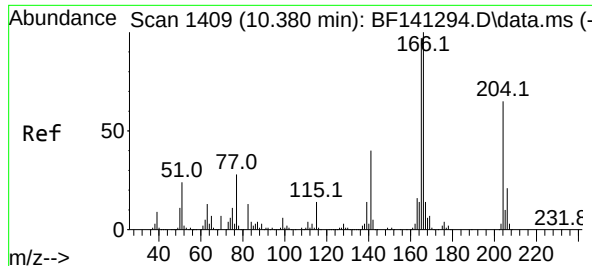
Tgt Ion:232 Resp: 185895
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.3 1.9 2.9
166 29.8 24.1 36.1



#60
Diethylphthalate
Concen: 38.140 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 748552
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.4 10.0 15.0

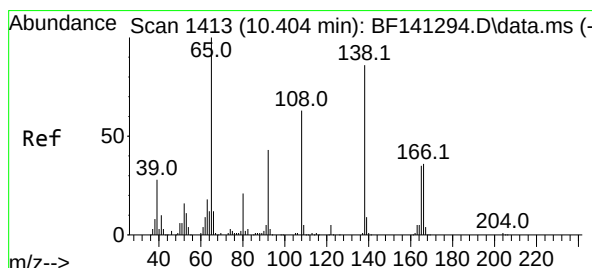
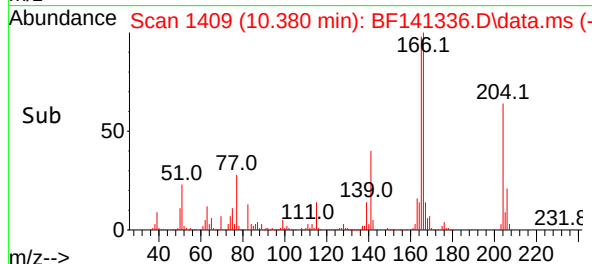
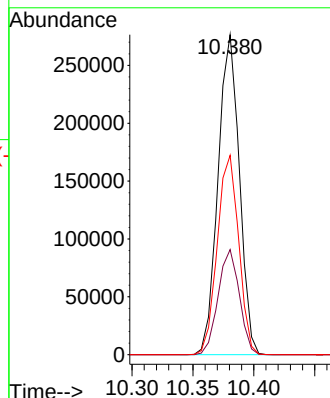
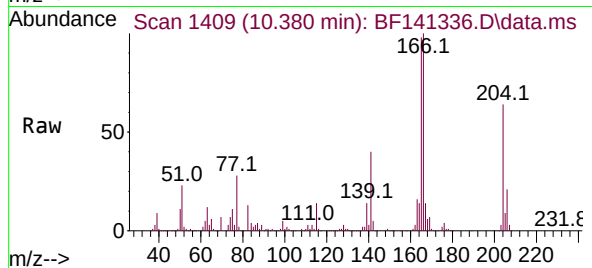




#61
4-Chlorophenyl-phenylether
Concen: 36.458 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

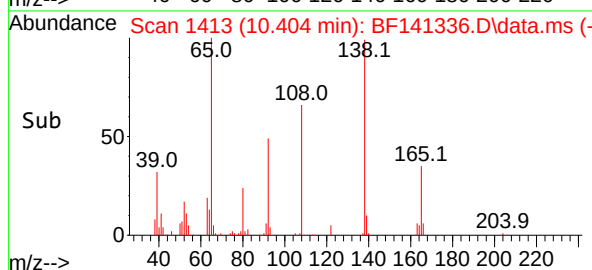
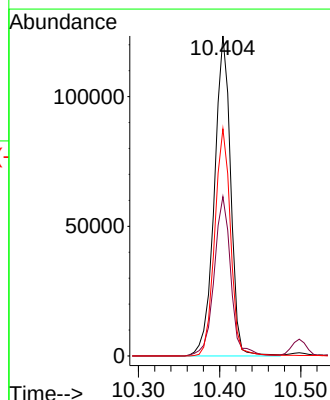
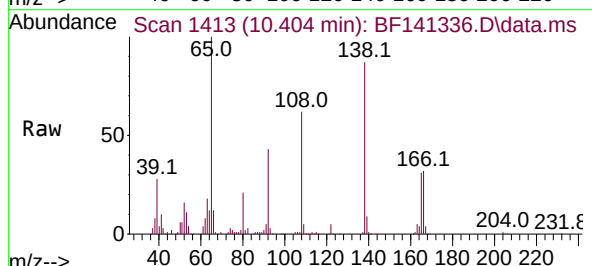
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

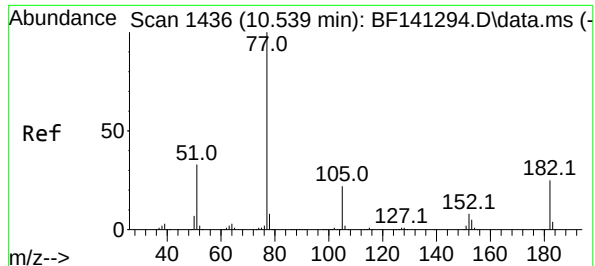
Tgt Ion:204 Resp: 336871
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 62.3 49.5 74.3



#62
4-Nitroaniline
Concen: 38.063 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:138 Resp: 172379
Ion Ratio Lower Upper
138 100
92 49.8 30.1 70.1
108 71.0 53.1 93.1

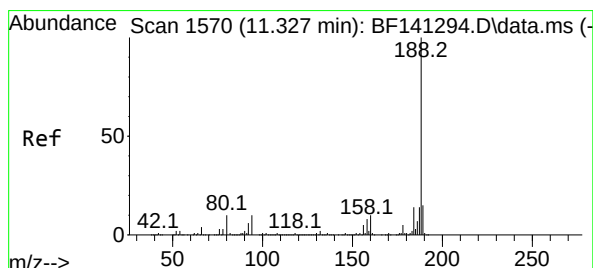
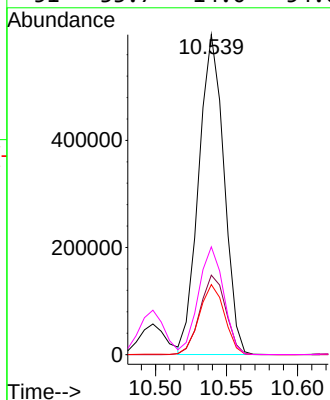
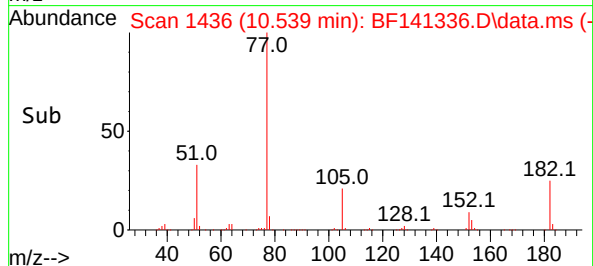
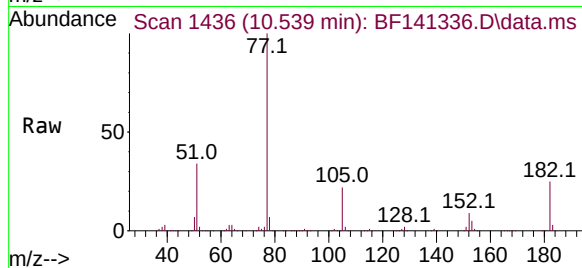




#63
Azobenzene
Concen: 37.573 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

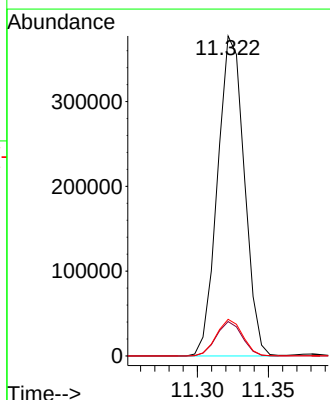
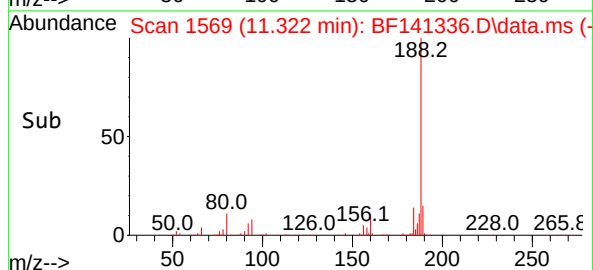
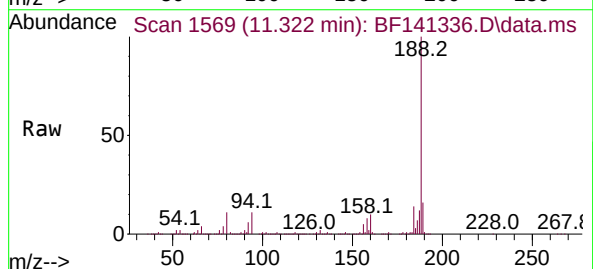
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

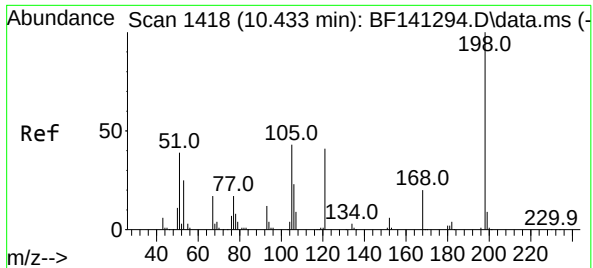
Tgt Ion: 77	Resp: 738145
Ion Ratio	Lower Upper
77 100	
182 24.8	5.1 45.1
105 21.9	1.8 41.8
51 33.7	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:188	Resp: 493954
Ion Ratio	Lower Upper
188 100	
94 10.7	7.8 11.6
80 11.5	8.2 12.4

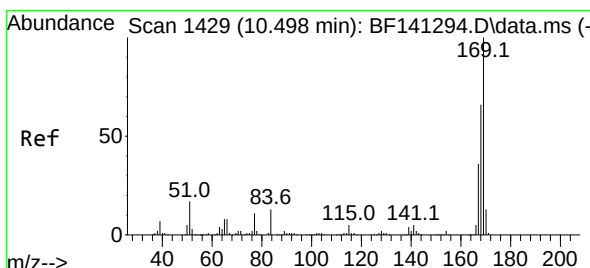
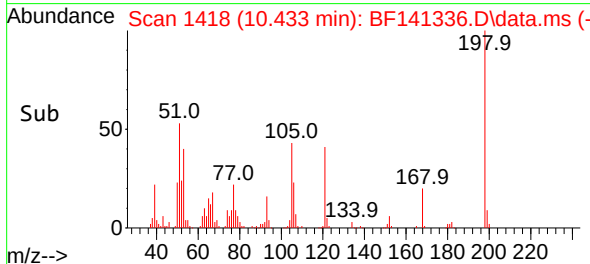
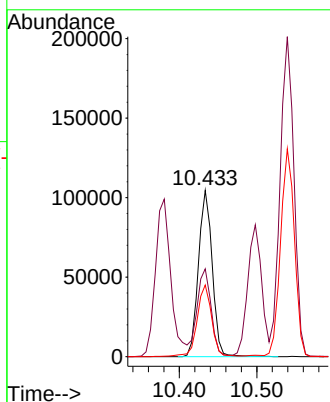
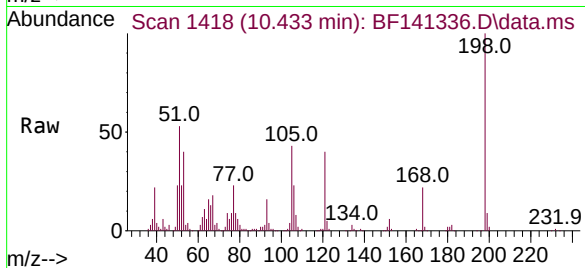




#65
4,6-Dinitro-2-methylphenol
Concen: 44.270 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

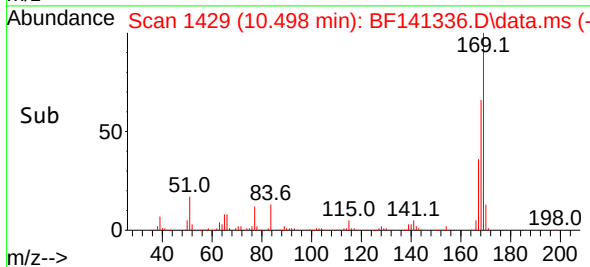
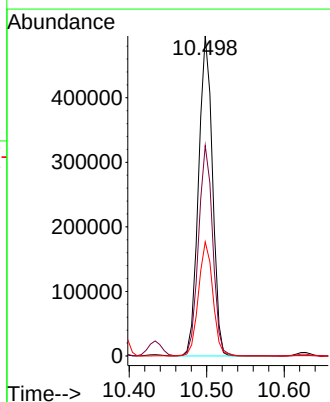
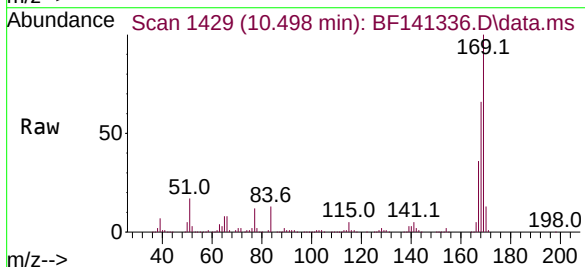
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

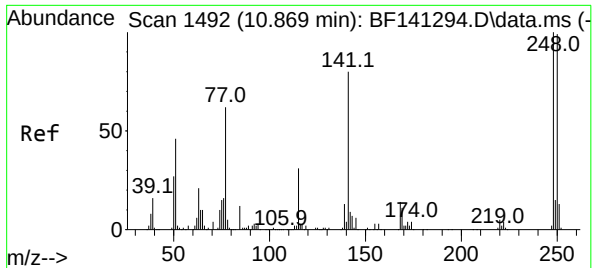
Tgt Ion:198 Resp: 129346
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 38.751 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:169 Resp: 619094
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 35.7 28.8 43.2

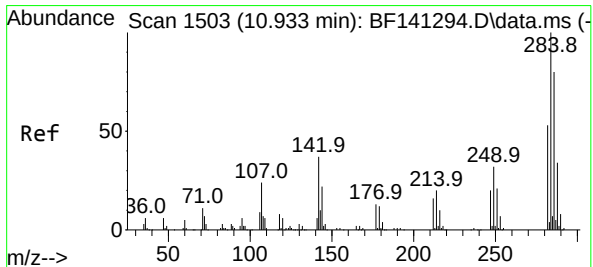
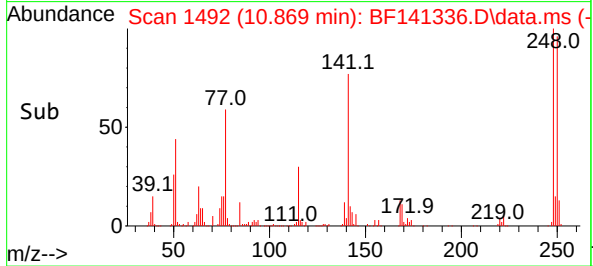
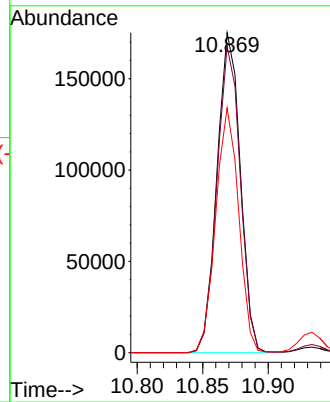
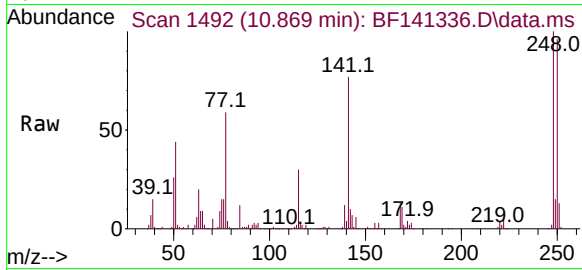




#67
4-Bromophenyl-phenylether
Concen: 39.236 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

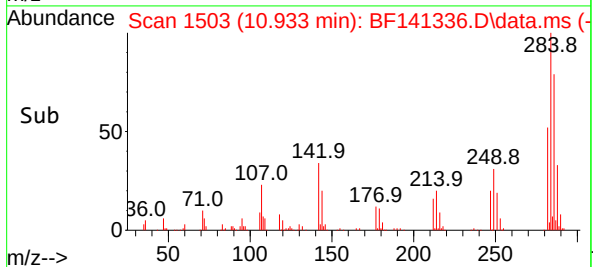
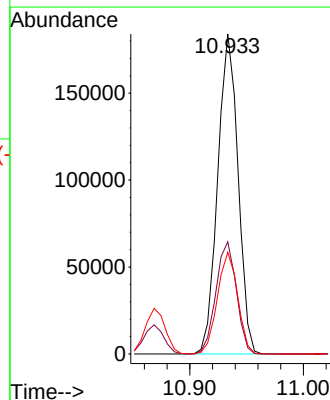
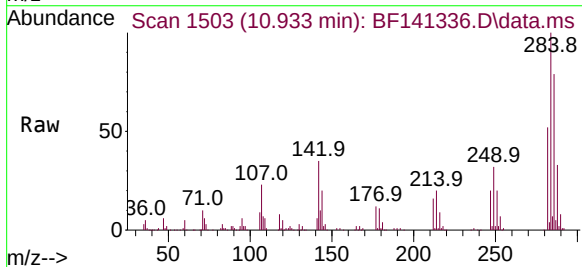
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

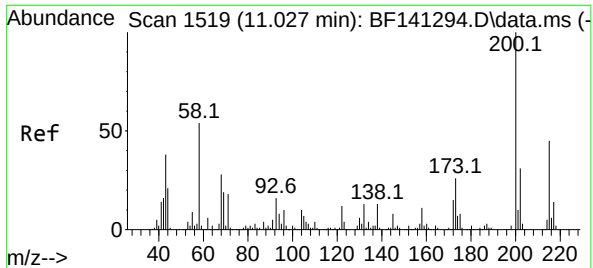
Tgt Ion:248 Resp: 216973
Ion Ratio Lower Upper
248 100
250 95.7 79.0 118.4
141 76.5 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.991 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:284 Resp: 228716
Ion Ratio Lower Upper
284 100
142 35.1 29.5 44.3
249 31.7 25.4 38.2





#69

Atrazine

Concen: 33.985 ng

RT: 11.027 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

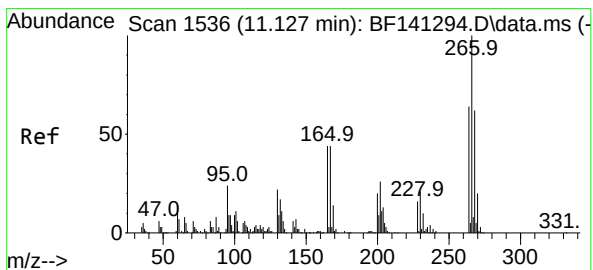
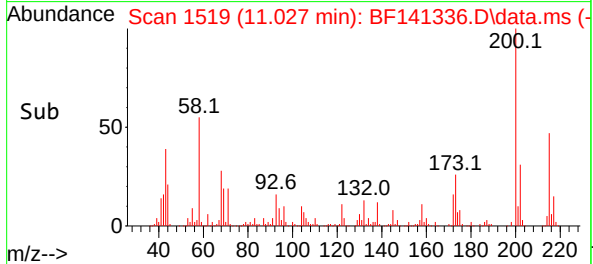
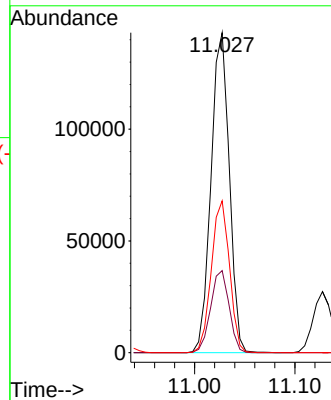
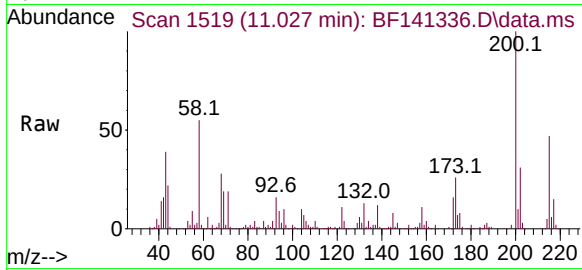
Tgt Ion:200 Resp: 181536

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

215 47.4 25.2 65.2



#70

Pentachlorophenol

Concen: 53.575 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

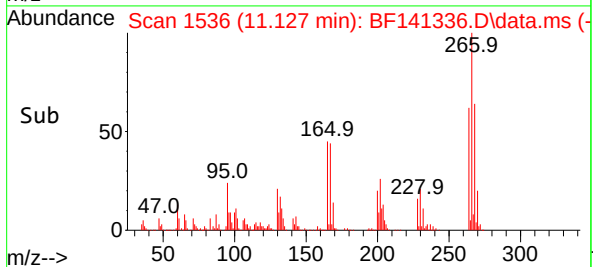
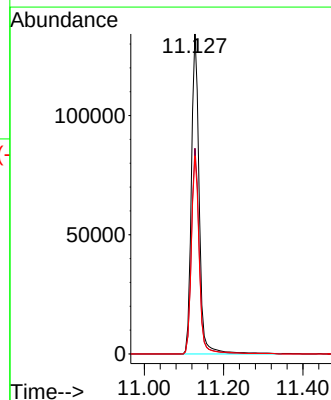
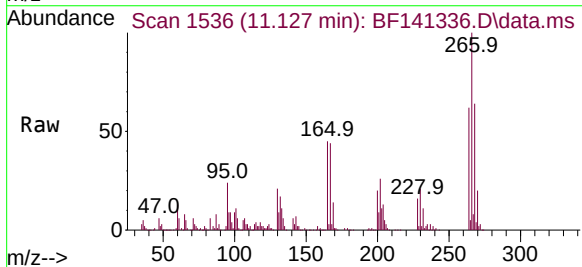
Tgt Ion:266 Resp: 184030

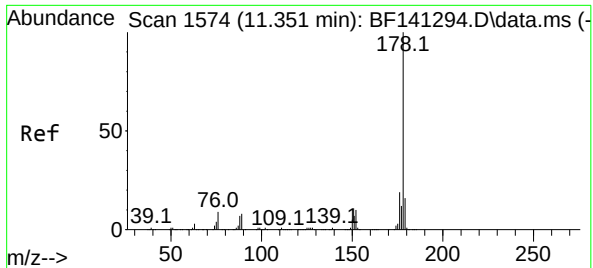
Ion Ratio Lower Upper

266 100

268 64.3 49.9 74.9

264 61.9 51.0 76.4

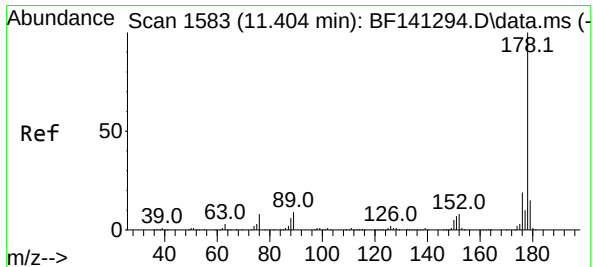
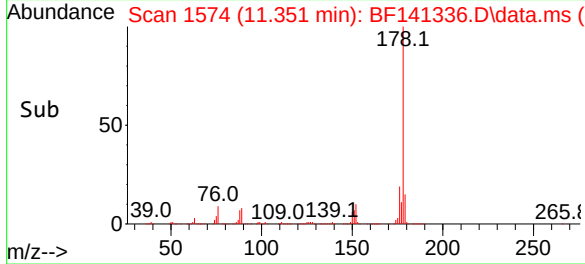
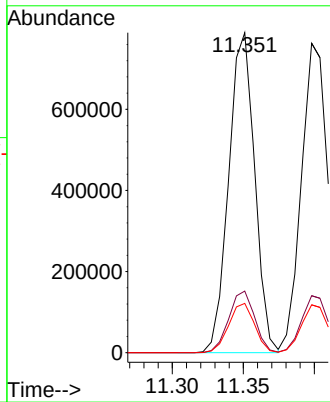
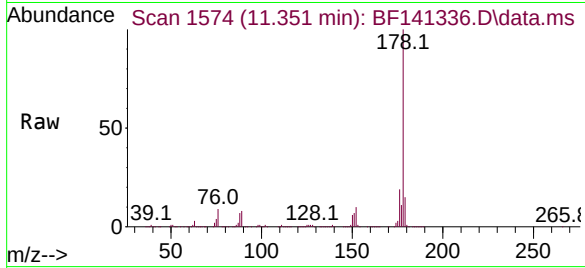




#71
Phenanthrene
Concen: 37.819 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

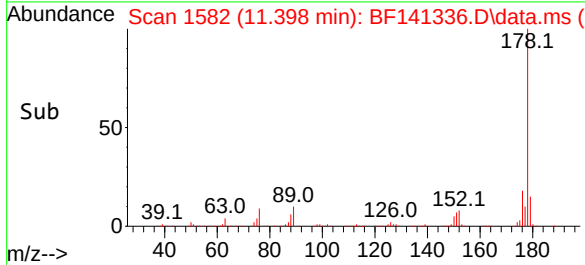
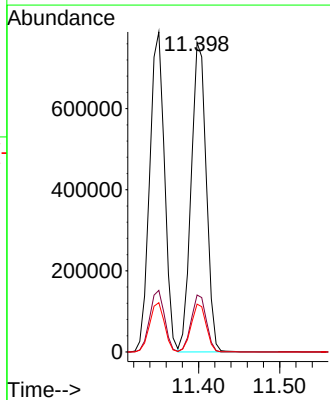
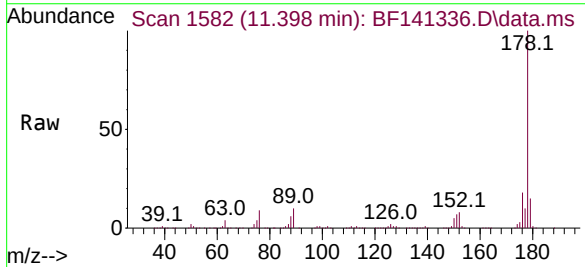
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

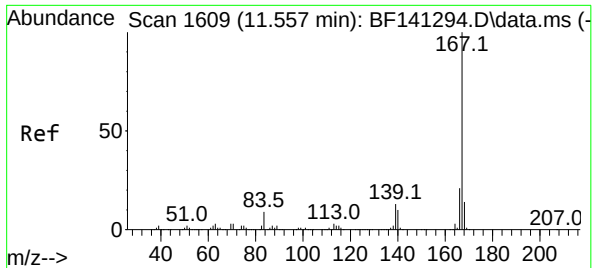
Tgt Ion:178 Resp: 1004184
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 37.948 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:178 Resp: 987277
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.5 12.3 18.5

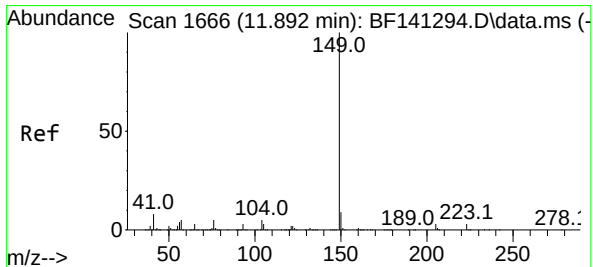
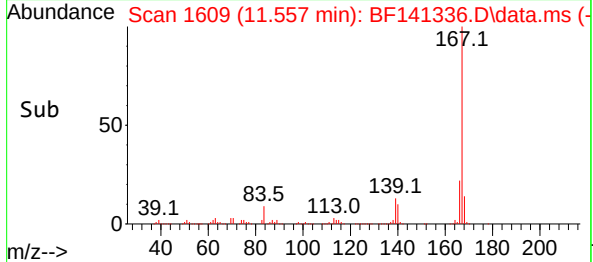
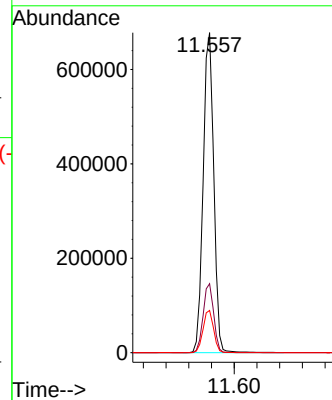
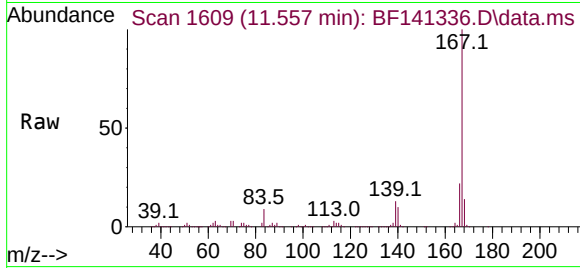




#73
Carbazole
Concen: 38.220 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

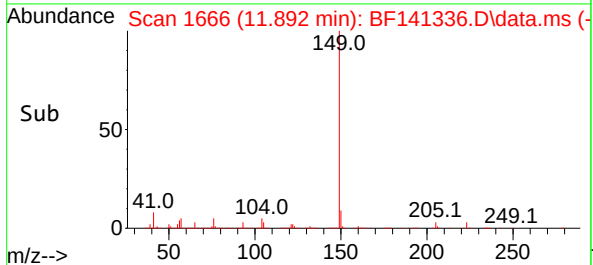
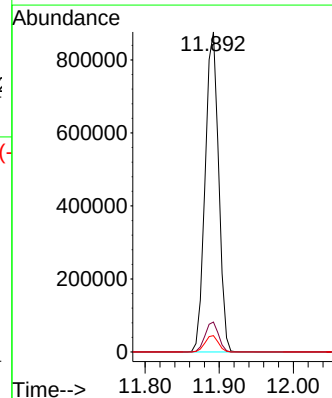
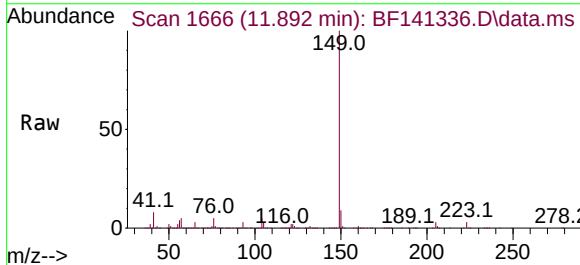
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

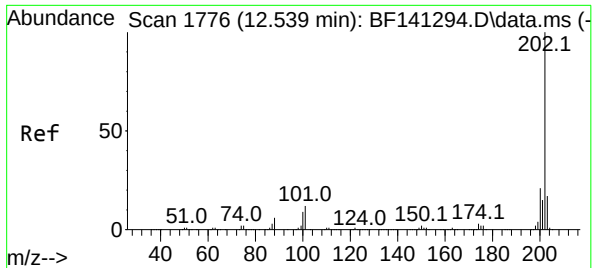
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.2	10.6	16.0



#74
Di-n-butylphthalate
Concen: 39.444 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9





#75

Fluoranthene

Concen: 38.098 ng

RT: 12.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

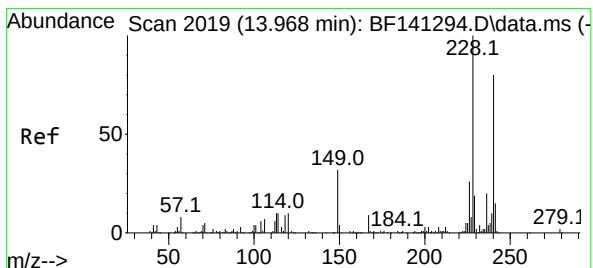
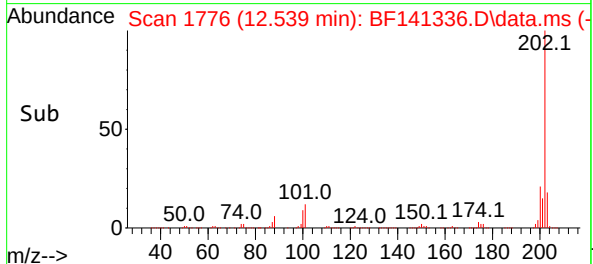
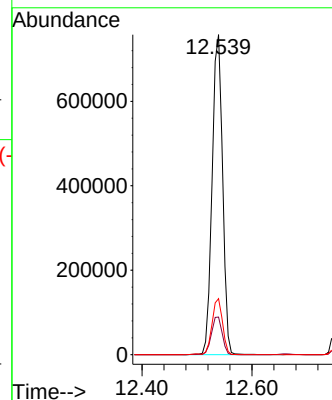
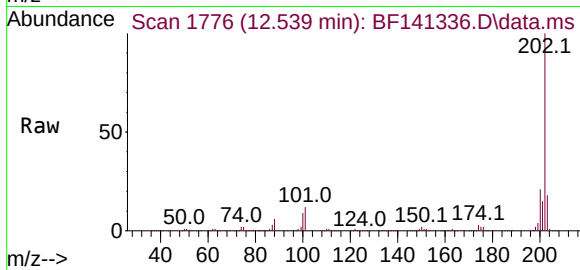
Tgt Ion:202 Resp: 998810

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.7

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

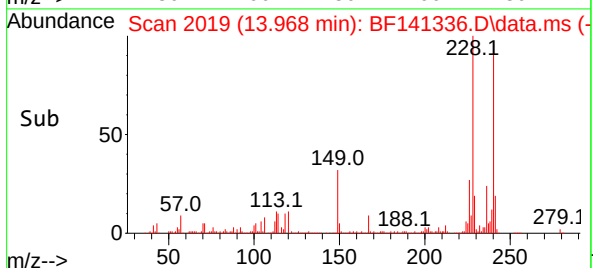
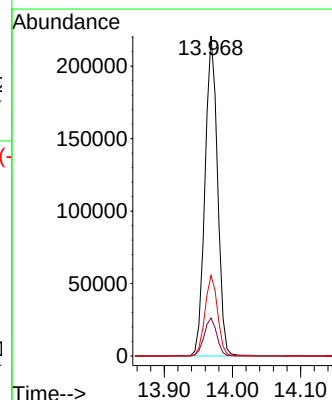
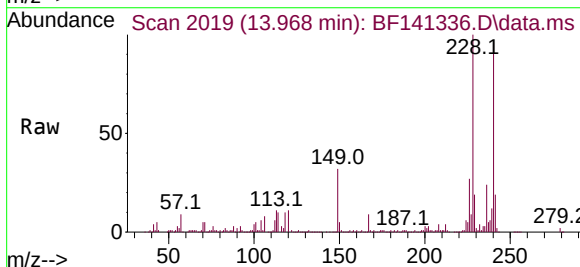
Tgt Ion:240 Resp: 281629

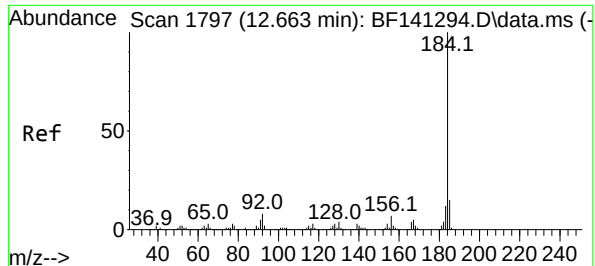
Ion Ratio Lower Upper

240 100

120 11.9 10.0 15.0

236 25.1 19.7 29.5





#77

Benzidine

Concen: 38.664 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

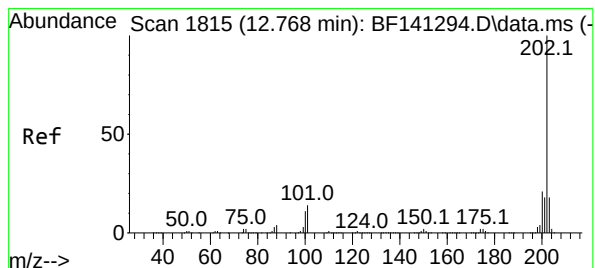
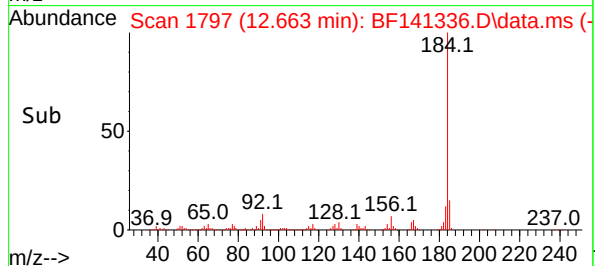
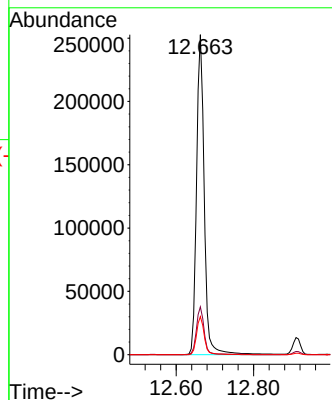
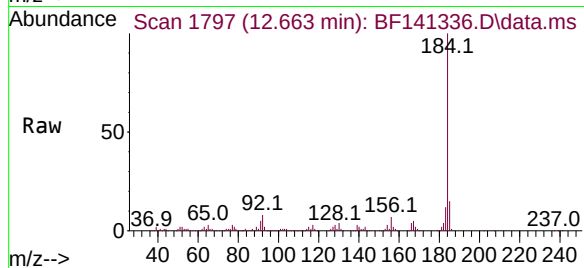
Tgt Ion:184 Resp: 349084

Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 40.606 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

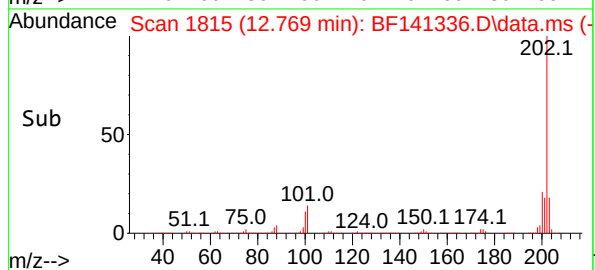
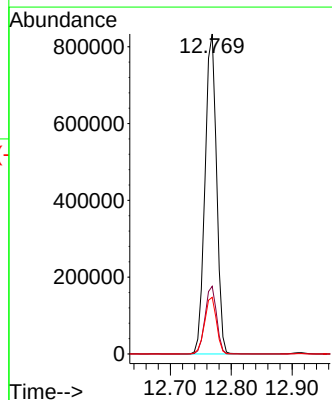
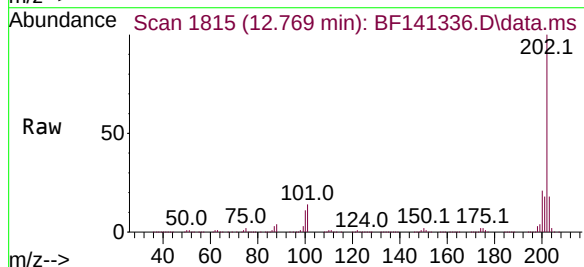
Tgt Ion:202 Resp: 1097741

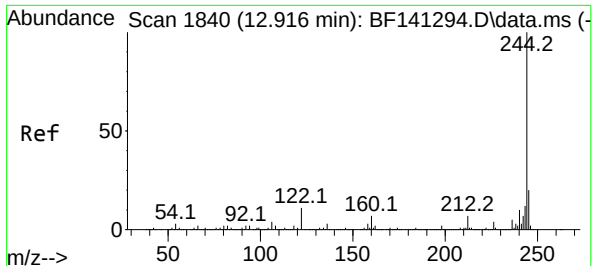
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.7 14.3 21.5

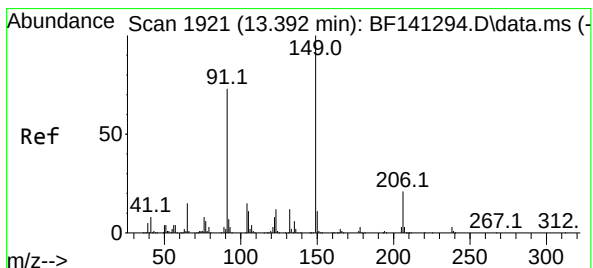
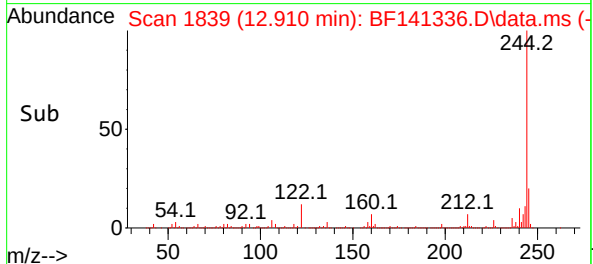
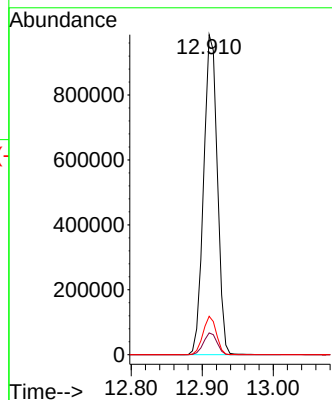
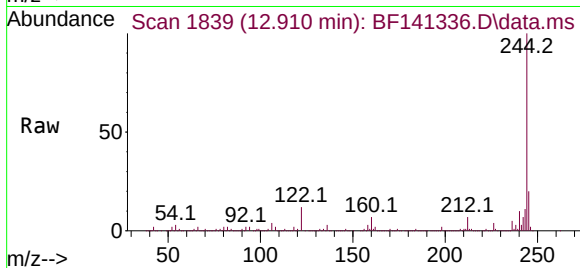




#79
Terphenyl-d14
Concen: 72.583 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

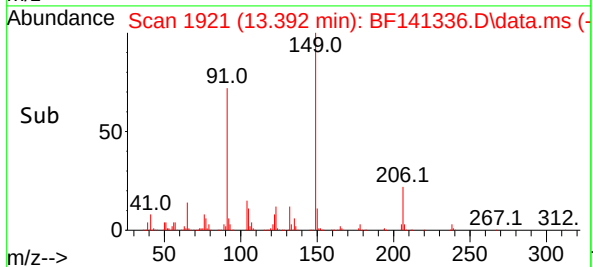
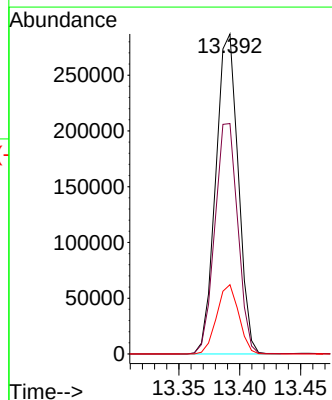
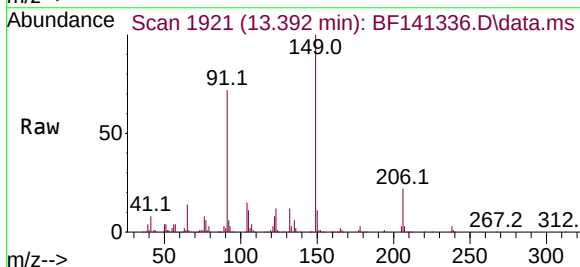
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

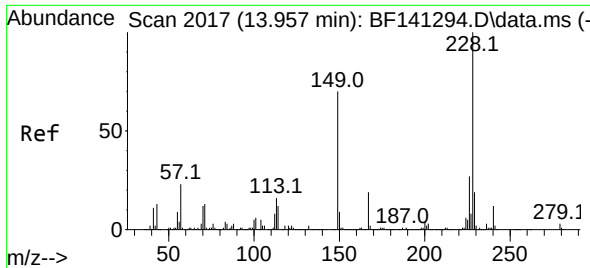
Tgt Ion:244 Resp: 1325492
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.0 8.8 13.2



#80
Butylbenzylphthalate
Concen: 39.103 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 369304
Ion Ratio Lower Upper
149 100
91 72.0 58.6 87.8
206 21.7 16.7 25.1

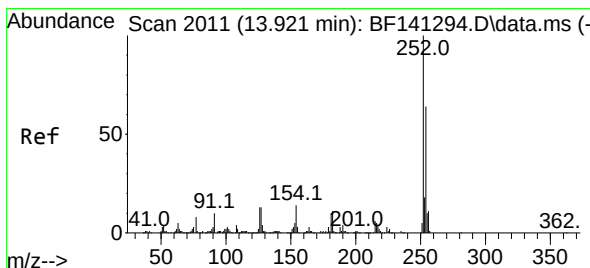
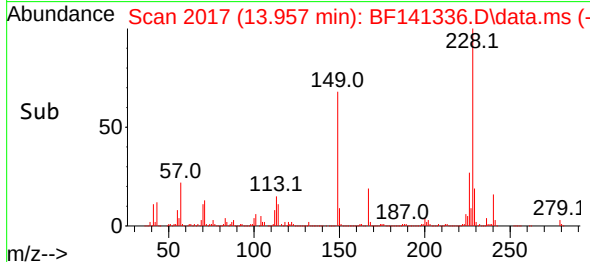
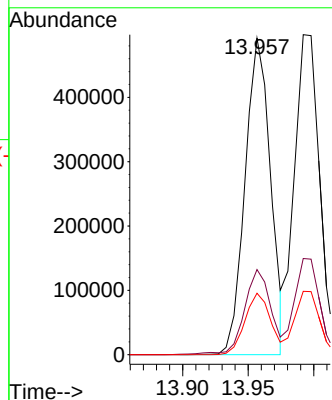
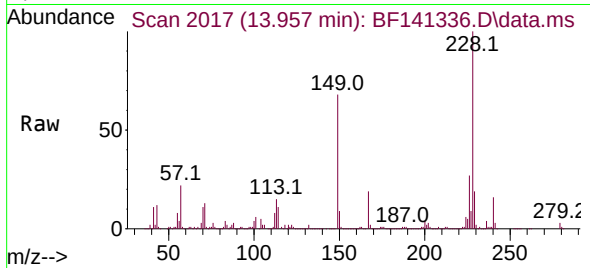




#81
Benzo(a)anthracene
Concen: 34.223 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

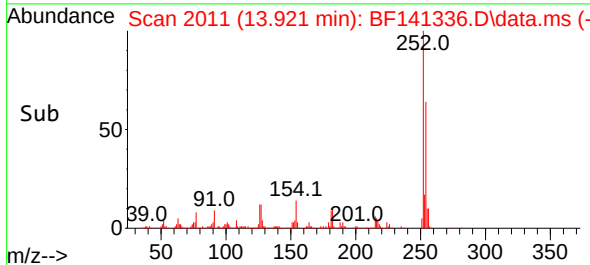
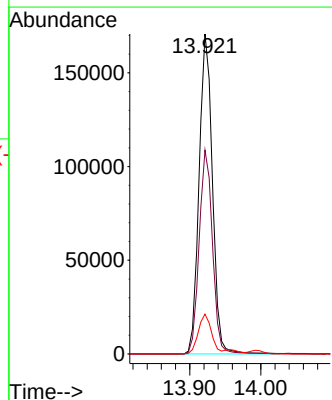
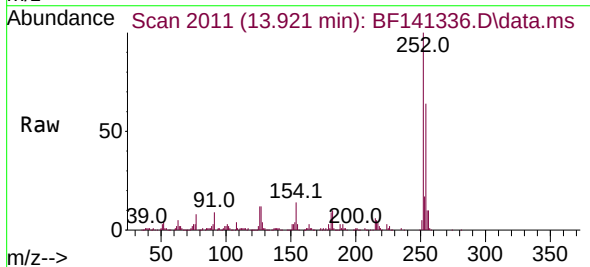
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

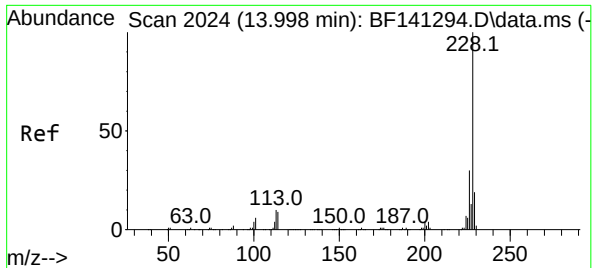
Tgt Ion:228 Resp: 665086
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.2
229 19.4 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 36.200 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 223750
Ion Ratio Lower Upper
252 100
254 63.7 51.3 76.9
126 12.5 10.0 15.0

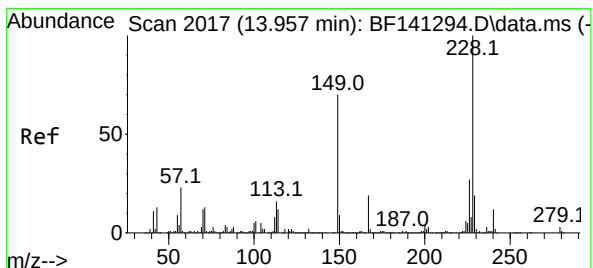
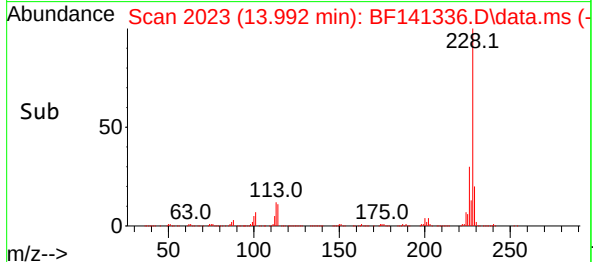
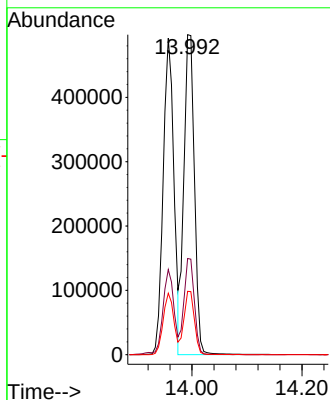
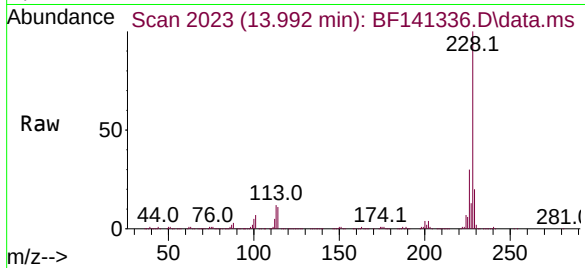




#83
Chrysene
Concen: 37.287 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

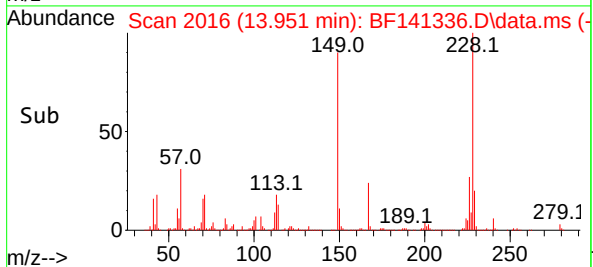
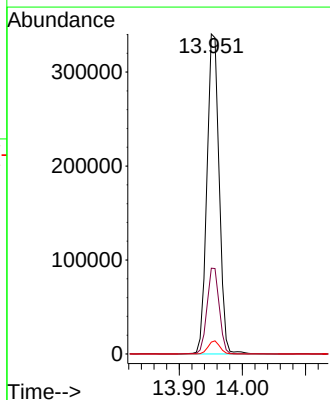
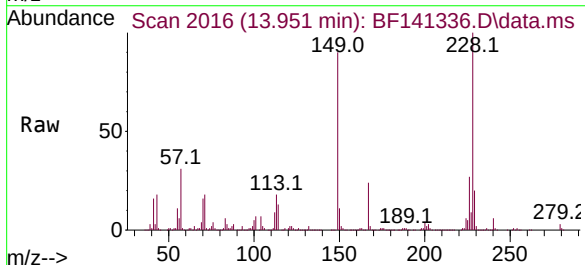
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

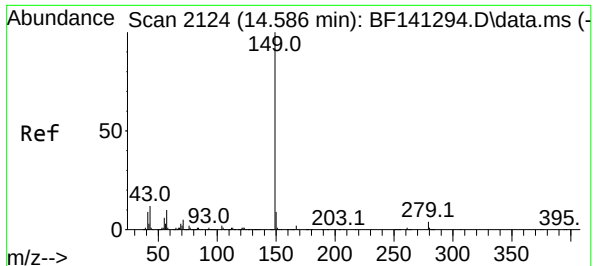
Tgt Ion:228 Resp: 664102
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.304 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 458911
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.7 3.3 4.9

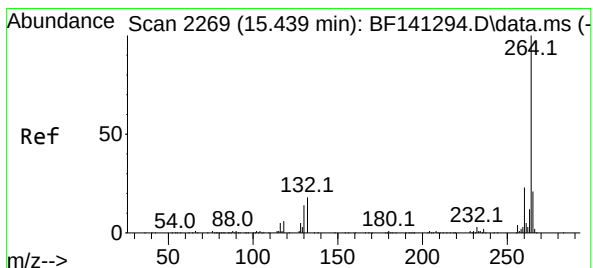
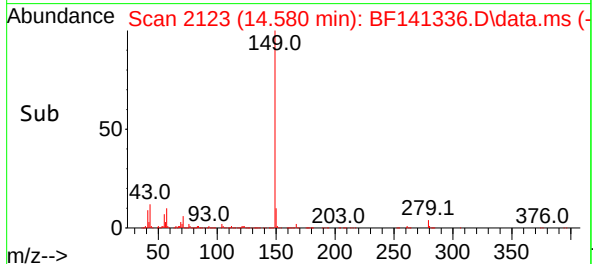
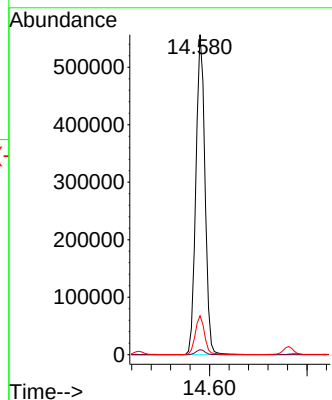
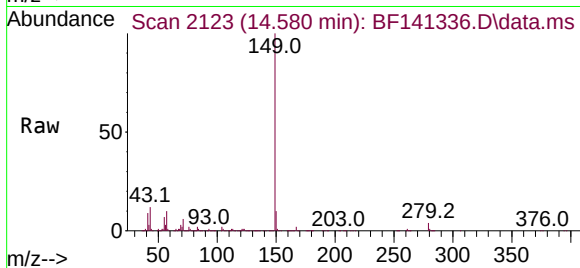




#85
Di-n-octyl phthalate
Concen: 38.886 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

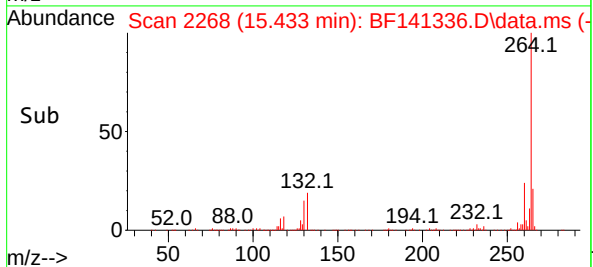
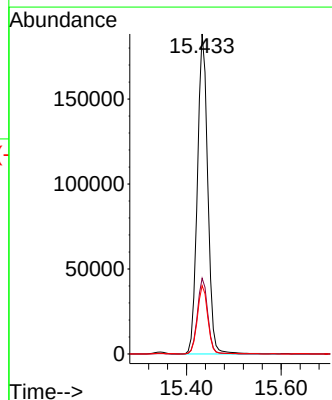
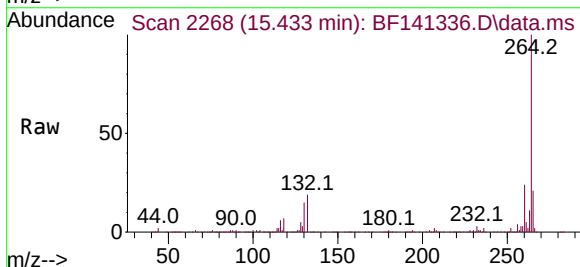
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

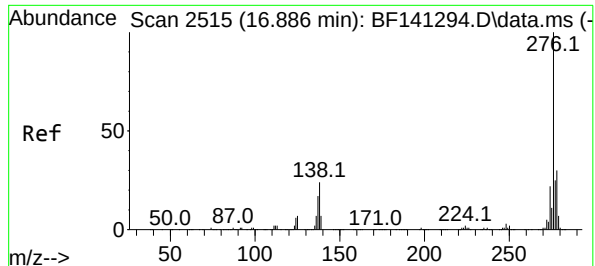
Tgt Ion:149 Resp: 723593
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:264 Resp: 286623
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.376 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

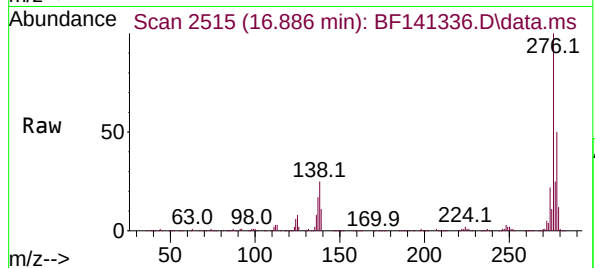
Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



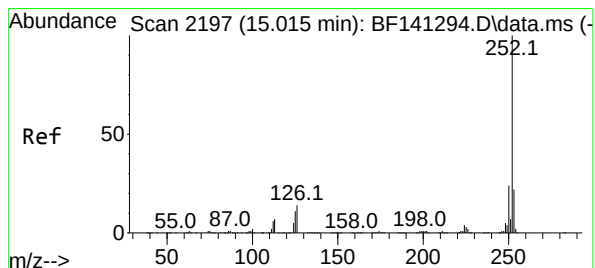
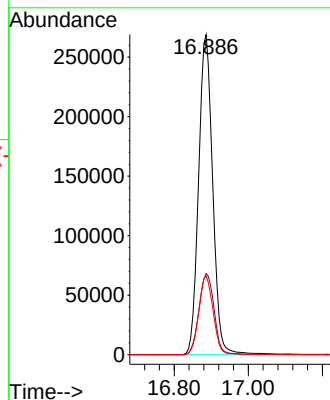
Tgt Ion:276 Resp: 709942

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 37.149 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

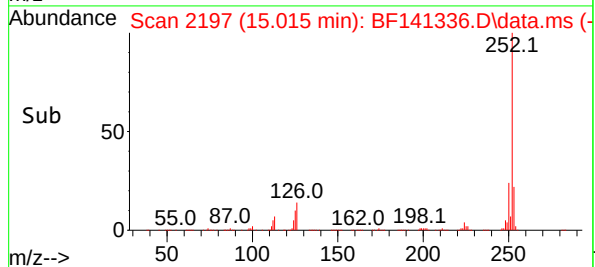
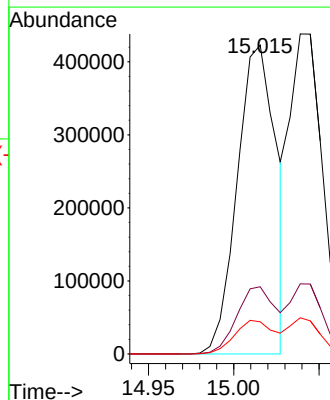
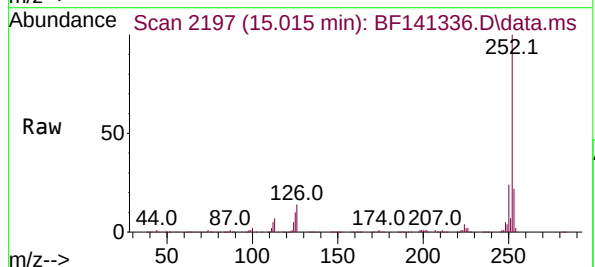
Tgt Ion:252 Resp: 669775

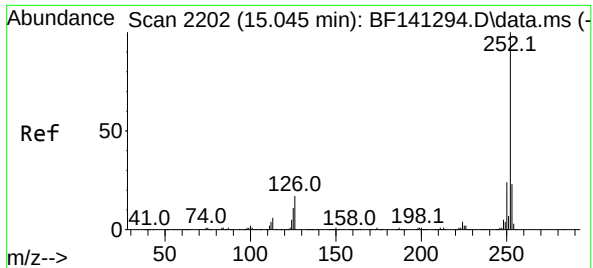
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 37.413 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

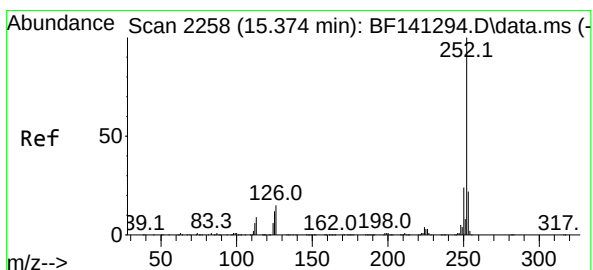
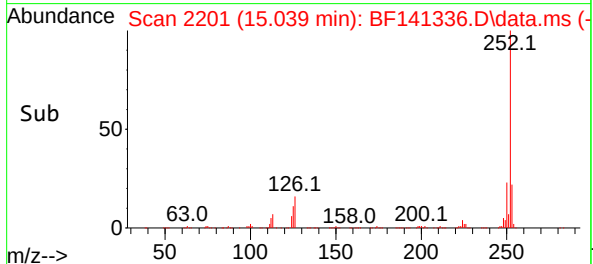
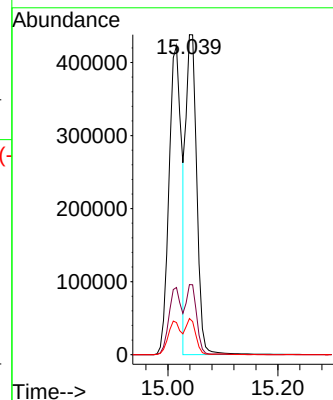
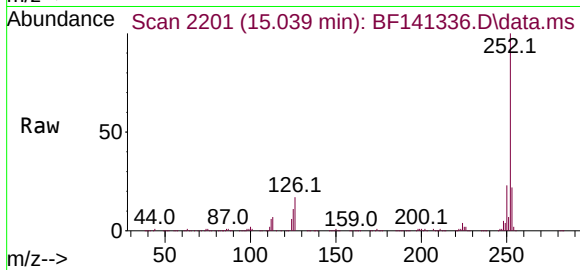
Tgt Ion:252 Resp: 597549

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 37.294 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

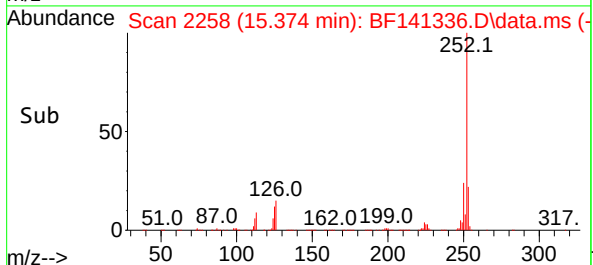
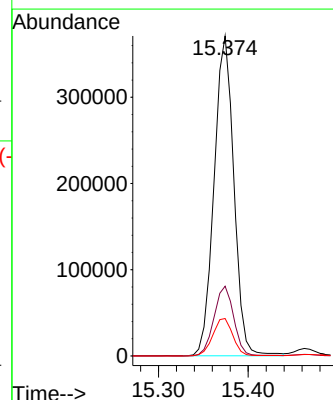
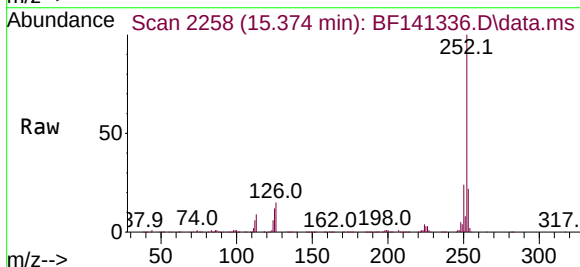
Tgt Ion:252 Resp: 568194

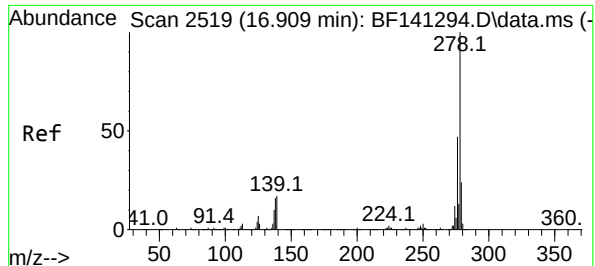
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 11.7 9.4 14.2

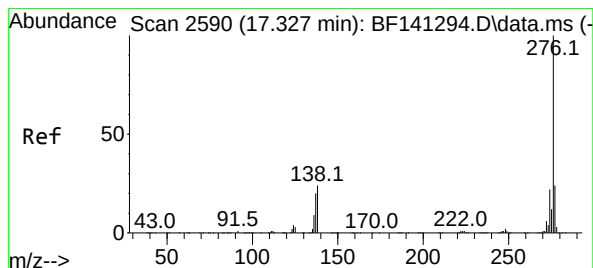
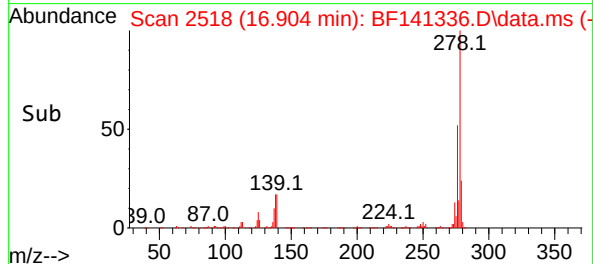
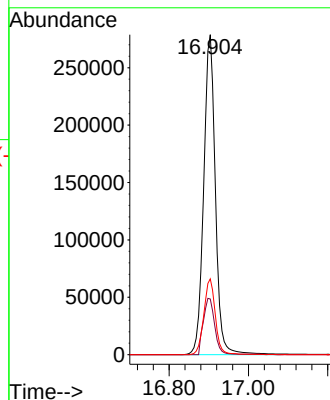
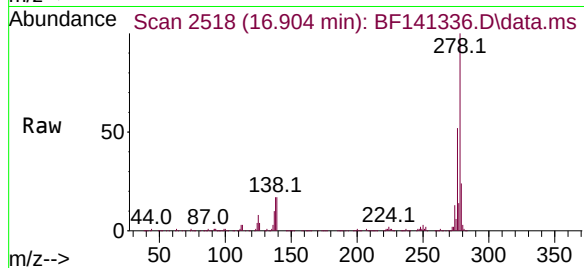




#91
Dibenzo(a,h)anthracene
Concen: 38.458 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

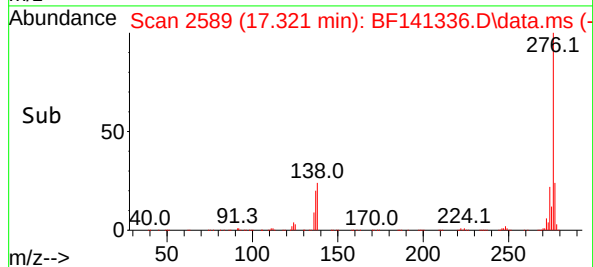
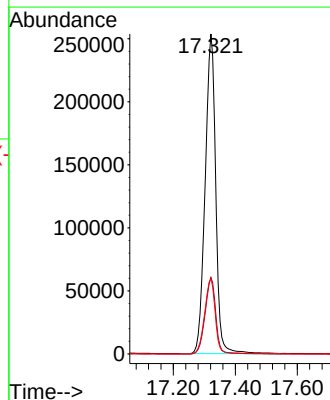
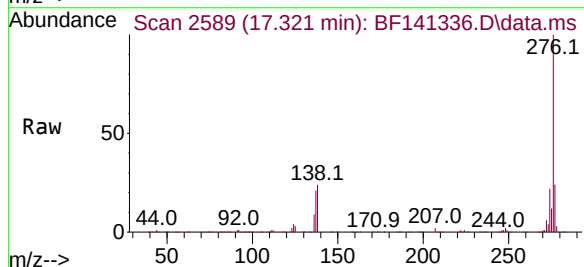
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 572387
Ion Ratio Lower Upper
278 100
139 17.4 13.9 20.9
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 38.883 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:276 Resp: 601743
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	1,4-Dioxane	0.573	0.545	4.9	104	0.00
3	Pyridine	1.380	1.326	3.9	103	-0.02
4	n-Nitrosodimethylamine	0.789	0.750	4.9	102	-0.04
5 S	2-Fluorophenol	1.303	1.218	6.5	104	-0.01
6	Aniline	1.403	1.344	4.2	101	-0.01
7 S	Phenol-d6	1.657	1.534	7.4	104	-0.01
8	2-Chlorophenol	1.396	1.307	6.4	103	-0.01
9	Benzaldehyde	0.960	0.972	-1.3	111	0.00
10 C	Phenol	1.757	1.652	6.0	103	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.267	5.9	106	-0.01
12	1,3-Dichlorobenzene	1.540	1.440	6.5	103	0.00
13 C	1,4-Dichlorobenzene	1.547	1.436	7.2	103	0.00
14	1,2-Dichlorobenzene	1.448	1.350	6.8	103	0.00
15	Benzyl Alcohol	1.133	1.101	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.199	6.1	103	0.00
17	2-Methylphenol	1.135	1.062	6.4	105	0.00
18	Hexachloroethane	0.571	0.536	6.1	104	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.946	4.0	108	-0.01
20	3+4-Methylphenols	1.393	1.318	5.4	105	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.475	0.424	10.7	102	0.00
23 S	Nitrobenzene-d5	0.379	0.348	8.2	103	0.00
24	Nitrobenzene	0.393	0.365	7.1	103	-0.01
25	Isophorone	0.656	0.622	5.2	107	0.00
26 C	2-Nitrophenol	0.185	0.175	5.4	104	0.00
27	2,4-Dimethylphenol	0.236	0.224	5.1	105	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.386	7.7	104	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	105	0.00
30	1,2,4-Trichlorobenzene	0.330	0.299	9.4	103	0.00
31	Naphthalene	1.057	0.966	8.6	104	0.00
32	Benzoic acid	0.217	0.226	-4.1	107	-0.04
33	4-Chloroaniline	0.358	0.329	8.1	102	0.00
34 C	Hexachlorobutadiene	0.194	0.179	7.7	105	0.00
35	Caprolactam	0.094	0.091	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.341	-10.0	124	0.00
37	2-Methylnaphthalene	0.672	0.618	8.0	104	0.00
38	1-Methylnaphthalene	0.660	0.605	8.3	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.515	9.5	102	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.159	5.4	98	0.00
42 S	2,4,6-Tribromophenol	0.183	0.177	3.3	108	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.365	1.9	106	0.00
44	2,4,5-Trichlorophenol	0.405	0.381	5.9	107	0.00
45 S	2-Fluorobiphenyl	1.299	1.148	11.6	103	0.00
46	1,1'-Biphenyl	1.560	1.427	8.5	104	0.00
47	2-Chloronaphthalene	1.216	1.102	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.366	4.2	107	0.00
49	Acenaphthylene	1.702	1.577	7.3	105	0.00
50	Dimethylphthalate	1.351	1.290	4.5	110	0.00
51	2,6-Dinitrotoluene	0.314	0.300	4.5	107	0.00
52 C	Acenaphthene	1.216	1.127	7.3	106	0.00
53	3-Nitroaniline	0.307	0.292	4.9	102	0.00
54 P	2,4-Dinitrophenol	0.146	0.150	-2.7	108	0.00
55	Dibenzofuran	1.627	1.481	9.0	103	0.00
56 P	4-Nitrophenol	0.225	0.300	-33.3#	142	0.00
57	2,4-Dinitrotoluene	0.406	0.427	-5.2	117	0.00
58	Fluorene	1.262	1.151	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.310	2.8	108	0.00
60	Diethylphthalate	1.310	1.249	4.7	108	0.00
61	4-Chlorophenyl-phenylether	0.617	0.562	8.9	105	0.00
62	4-Nitroaniline	0.302	0.288	4.6	105	-0.01
63	Azobenzene	1.311	1.231	6.1	107	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.131	-11.0	113	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	108	0.00
67	4-Bromophenyl-phenylether	0.224	0.220	1.8	109	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	109	0.00
69	Atrazine	0.216	0.184	14.8	93	0.00
70 C	Pentachlorophenol	0.139	0.186	-33.8#	140	0.00
71	Phenanthrene	1.075	1.016	5.5	107	0.00
72	Anthracene	1.053	0.999	5.1	107	0.00
73	Carbazole	0.934	0.892	4.5	107	0.00
74	Di-n-butylphthalate	1.132	1.116	1.4	111	0.00
75 C	Fluoranthene	1.062	1.011	4.8	108	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77	Benzydine	0.641	0.620	3.3	92	0.00
78	Pyrene	1.920	1.949	-1.5	120	0.00
79 S	Terphenyl-d14	1.297	1.177	9.3	108	0.00
80	Butylbenzylphthalate	0.671	0.656	2.2	113	0.00
81	Benzo(a)anthracene	1.380	1.181	14.4	100	0.00
82	3,3'-Dichlorobenzidine	0.439	0.397	9.6	103	0.00
83	Chrysene	1.265	1.179	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.815	4.2	112	0.00
85 c	Di-n-octyl phthalate	1.321	1.285	2.7	113	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.291	1.238	4.1	101	-0.01
88	Benzo(b)fluoranthene	1.258	1.168	7.2	107	0.00
89	Benzo(k)fluoranthene	1.114	1.042	6.5	99	-0.01
90 C	Benzo(a)pyrene	1.063	0.991	6.8	101	0.00
91	Dibenzo(a,h)anthracene	1.039	0.999	3.8	101	-0.02
92	Benzo(g,h,i)perylene	1.080	1.050	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2	1,4-Dioxane	40.000	38.066	4.8	104	0.00
3	Pyridine	40.000	38.429	3.9	103	-0.02
4	n-Nitrosodimethylamine	40.000	38.050	4.9	102	-0.04
5 S	2-Fluorophenol	80.000	74.803	6.5	104	-0.01
6	Aniline	40.000	38.328	4.2	101	-0.01
7 S	Phenol-d6	80.000	74.066	7.4	104	-0.01
8	2-Chlorophenol	40.000	37.432	6.4	103	-0.01
9	Benzaldehyde	40.000	40.484	-1.2	111	0.00
10 C	Phenol	40.000	37.622	5.9	103	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.636	5.9	106	-0.01
12	1,3-Dichlorobenzene	40.000	37.423	6.4	103	0.00
13 C	1,4-Dichlorobenzene	40.000	37.151	7.1	103	0.00
14	1,2-Dichlorobenzene	40.000	37.272	6.8	103	0.00
15	Benzyl Alcohol	40.000	38.880	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.552	6.1	103	0.00
17	2-Methylphenol	40.000	37.434	6.4	105	0.00
18	Hexachloroethane	40.000	37.585	6.0	104	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.424	3.9	108	-0.01
20	3+4-Methylphenols	40.000	37.845	5.4	105	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	35.678	10.8	102	0.00
23 S	Nitrobenzene-d5	80.000	73.308	8.4	103	0.00
24	Nitrobenzene	40.000	37.116	7.2	103	-0.01
25	Isophorone	40.000	37.934	5.2	107	0.00
26 C	2-Nitrophenol	40.000	37.762	5.6	104	0.00
27	2,4-Dimethylphenol	40.000	37.999	5.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.955	7.6	104	0.00
29 C	2,4-Dichlorophenol	40.000	37.608	6.0	105	0.00
30	1,2,4-Trichlorobenzene	40.000	36.214	9.5	103	0.00
31	Naphthalene	40.000	36.561	8.6	104	0.00
32	Benzoic acid	40.000	41.698	-4.2	107	-0.04
33	4-Chloroaniline	40.000	36.719	8.2	102	0.00
34 C	Hexachlorobutadiene	40.000	37.021	7.4	105	0.00
35	Caprolactam	40.000	38.705	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	124	0.00
37	2-Methylnaphthalene	40.000	36.818	8.0	104	0.00
38	1-Methylnaphthalene	40.000	36.681	8.3	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	36.224	9.4	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.949	5.1	98	0.00
42 S	2,4,6-Tribromophenol	80.000	77.122	3.6	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.199	2.0	106	0.00
44	2,4,5-Trichlorophenol	40.000	37.608	6.0	107	0.00
45 S	2-Fluorobiphenyl	80.000	70.690	11.6	103	0.00
46	1,1'-Biphenyl	40.000	36.585	8.5	104	0.00
47	2-Chloronaphthalene	40.000	36.251	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.330	4.2	107	0.00
49	Acenaphthylene	40.000	37.073	7.3	105	0.00
50	Dimethylphthalate	40.000	38.200	4.5	110	0.00
51	2,6-Dinitrotoluene	40.000	38.268	4.3	107	0.00
52 C	Acenaphthene	40.000	37.066	7.3	106	0.00
53	3-Nitroaniline	40.000	37.936	5.2	102	0.00
54 P	2,4-Dinitrophenol	40.000	41.270	-3.2	108	0.00
55	Dibenzofuran	40.000	36.395	9.0	103	0.00
56 P	4-Nitrophenol	40.000	53.378	-33.4#	142	0.00
57	2,4-Dinitrotoluene	40.000	42.014	-5.0	117	0.00
58	Fluorene	40.000	36.485	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.903	2.7	108	0.00
60	Diethylphthalate	40.000	38.140	4.6	108	0.00
61	4-Chlorophenyl-phenylether	40.000	36.458	8.9	105	0.00
62	4-Nitroaniline	40.000	38.063	4.8	105	-0.01
63	Azobenzene	40.000	37.573	6.1	107	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.270	-10.7	113	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.751	3.1	108	0.00
67	4-Bromophenyl-phenylether	40.000	39.236	1.9	109	0.00
68	Hexachlorobenzene	40.000	38.991	2.5	109	0.00
69	Atrazine	40.000	33.985	15.0	93	0.00
70 C	Pentachlorophenol	40.000	53.575	-33.9#	140	0.00
71	Phenanthrene	40.000	37.819	5.5	107	0.00
72	Anthracene	40.000	37.948	5.1	107	0.00
73	Carbazole	40.000	38.220	4.5	107	0.00
74	Di-n-butylphthalate	40.000	39.444	1.4	111	0.00
75 C	Fluoranthene	40.000	38.098	4.8	108	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77	Benzydine	40.000	38.664	3.3	92	0.00
78	Pyrene	40.000	40.606	-1.5	120	0.00
79 S	Terphenyl-d14	80.000	72.583	9.3	108	0.00
80	Butylbenzylphthalate	40.000	39.103	2.2	113	0.00
81	Benzo(a)anthracene	40.000	34.223	14.4	100	0.00
82	3,3'-Dichlorobenzidine	40.000	36.200	9.5	103	0.00
83	Chrysene	40.000	37.287	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.304	4.2	112	0.00
85 c	Di-n-octyl phthalate	40.000	38.886	2.8	113	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.376	4.1	101	-0.01
88	Benzo(b)fluoranthene	40.000	37.149	7.1	107	0.00
89	Benzo(k)fluoranthene	40.000	37.413	6.5	99	-0.01
90 C	Benzo(a)pyrene	40.000	37.294	6.8	101	0.00
91	Dibenzo(a,h)anthracene	40.000	38.458	3.9	101	-0.02
92	Benzo(g,h,i)perylene	40.000	38.883	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG No.: Q1232

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.326		-3.9	
2-Fluorophenol	1.303	1.313		0.8	
Phenol-d6	1.657	1.641		-1.0	
1,4-Dichlorobenzene	1.547	1.568		1.4	20.0
2-Methylphenol	1.135	1.098		-3.3	
3+4-Methylphenols	1.393	1.446		3.8	
Nitrobenzene-d5	0.379	0.397		4.7	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.407		3.6	
Hexachlorobutadiene	0.194	0.207		6.7	20.0
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.315		1.2	
2,4,5-Trichlorophenol	0.405	0.416		2.7	
2,4-Dinitrotoluene	0.406	0.426		4.9	
2,4,6-Tribromophenol	0.183	0.200		9.3	
Hexachlorobenzene	0.238	0.249		4.6	
Pentachlorophenol	0.139	0.152		9.4	20.0
Terphenyl-d14	1.297	1.144		-11.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:47:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	93803	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	362783	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	198566	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	334466	20.000	ng	0.00
76) Chrysene-d12	13.968	240	243574	20.000	ng	0.00
86) Perylene-d12	15.427	264	284769	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	492717	80.639	ng	0.00
7) Phenol-d6	6.439	99	615730	79.215	ng	0.00
23) Nitrobenzene-d5	7.363	82	576560	83.781	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	158958	87.321	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1044178	80.940	ng	0.00
79) Terphenyl-d14	12.910	244	1114591	70.570	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	118270	44.012	ng	99
3) Pyridine	3.210	79	248823	38.431	ng	97
4) n-Nitrosodimethylamine	3.163	42	157786	42.660	ng	92
6) Aniline	6.457	93	244181	37.112	ng	# 10
8) 2-Chlorophenol	6.587	128	266456	40.687	ng	98
9) Benzaldehyde	6.345	77	185452	41.190	ng	99
10) Phenol	6.451	94	323771	39.294	ng	# 73
11) bis(2-Chloroethyl)ether	6.534	93	244237	38.659	ng	99
12) 1,3-Dichlorobenzene	6.739	146	294934	40.844	ng	99
13) 1,4-Dichlorobenzene	6.816	146	294184	40.554	ng	99
14) 1,2-Dichlorobenzene	6.969	146	276119	40.649	ng	99
15) Benzyl Alcohol	6.939	79	227583	42.844	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	412661	37.563	ng	68
17) 2-Methylphenol	7.063	107	205926	38.689	ng	# 90
18) Hexachloroethane	7.310	117	110745	41.383	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	182630	39.542	ng	99
20) 3+4-Methylphenols	7.216	107	271346	41.520	ng	# 84
22) Acetophenone	7.204	105	363495	42.153	ng	# 96
24) Nitrobenzene	7.381	77	295113	41.381	ng	99
25) Isophorone	7.616	82	473753	39.825	ng	99
26) 2-Nitrophenol	7.698	139	139470	41.467	ng	99
27) 2,4-Dimethylphenol	7.739	122	169654m	39.629	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	300026	39.540	ng	99
29) 2,4-Dichlorophenol	7.945	162	215476	41.114	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	243325	40.654	ng	99
31) Naphthalene	8.104	128	782884	40.850	ng	100
32) Benzoic acid	7.857	122	164754	41.864	ng	98
33) 4-Chloroaniline	8.151	127	252352	38.830	ng	99
34) Hexachlorobutadiene	8.216	225	150331	42.830	ng	99
35) Caprolactam	8.516	113	68685	40.128	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	235016	41.805	ng	96
37) 2-Methylnaphthalene	8.792	142	500491	41.088	ng	100
38) 1-Methylnaphthalene	8.892	142	487831	40.770	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	227300	40.237	ng	99
41) Hexachlorocyclopentadiene	8.945	237	73377	43.983	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	152514	41.248	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	165119	41.031	ng	98
46) 1,1'-Biphenyl	9.257	154	614766	39.699	ng	98
47) 2-Chloronaphthalene	9.280	162	479677	39.740	ng	100
48) 2-Nitroaniline	9.380	65	155868	41.055	ng	98
49) Acenaphthylene	9.698	152	674542	39.923	ng	100
50) Dimethylphthalate	9.557	163	543455	40.523	ng	100
51) 2,6-Dinitrotoluene	9.622	165	125020	40.149	ng	98
52) Acenaphthene	9.869	154	491940	40.755	ng	99
53) 3-Nitroaniline	9.792	138	127750	41.859	ng	98
54) 2,4-Dinitrophenol	9.898	184	64595	44.625	ng	93
55) Dibenzofuran	10.039	168	655150	40.548	ng	98
56) 4-Nitrophenol	9.975	139	101492	45.471	ng	96
57) 2,4-Dinitrotoluene	10.022	165	169109	41.946	ng	97
58) Fluorene	10.380	166	520788	41.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	135793	42.892	ng	99
60) Diethylphthalate	10.257	149	533471	41.025	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	252040	41.170	ng	98
62) 4-Nitroaniline	10.404	138	131617	43.865	ng	96
63) Azobenzene	10.533	77	521272	40.048	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	92723	46.869	ng	99
66) n-Nitrosodiphenylamine	10.498	169	440088	40.682	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	156199	41.715	ng	97
68) Hexachlorobenzene	10.933	284	166289	41.866	ng	97
69) Atrazine	11.022	200	144588	39.975	ng	98
70) Pentachlorophenol	11.127	266	101747	43.745	ng	98
71) Phenanthrene	11.345	178	756115	42.056	ng	100
72) Anthracene	11.398	178	747273	42.420	ng	100
73) Carbazole	11.551	167	690858	44.227	ng	99
74) Di-n-butylphthalate	11.886	149	815911	43.100	ng	100
75) Fluoranthene	12.533	202	809964	45.626	ng	99
77) Benzidine	12.657	184	305172	39.082	ng	99
78) Pyrene	12.763	202	817992	34.986	ng	100
80) Butylbenzylphthalate	13.386	149	312910	38.308	ng	99
81) Benzo(a)anthracene	13.957	228	644165	38.325	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	212156	39.687	ng	99
83) Chrysene	13.992	228	601529	39.050	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436692	42.145	ng	98
85) Di-n-octyl phthalate	14.574	149	716424	44.516	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	796465	43.334	ng	100
88) Benzo(b)fluoranthene	15.009	252	791291	44.175	ng	100
89) Benzo(k)fluoranthene	15.039	252	586341	36.950	ng	100
90) Benzo(a)pyrene	15.368	252	628247	41.504	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	640257	43.298	ng	100
92) Benzo(g,h,i)perylene	17.315	276	672962	43.768	ng	100

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

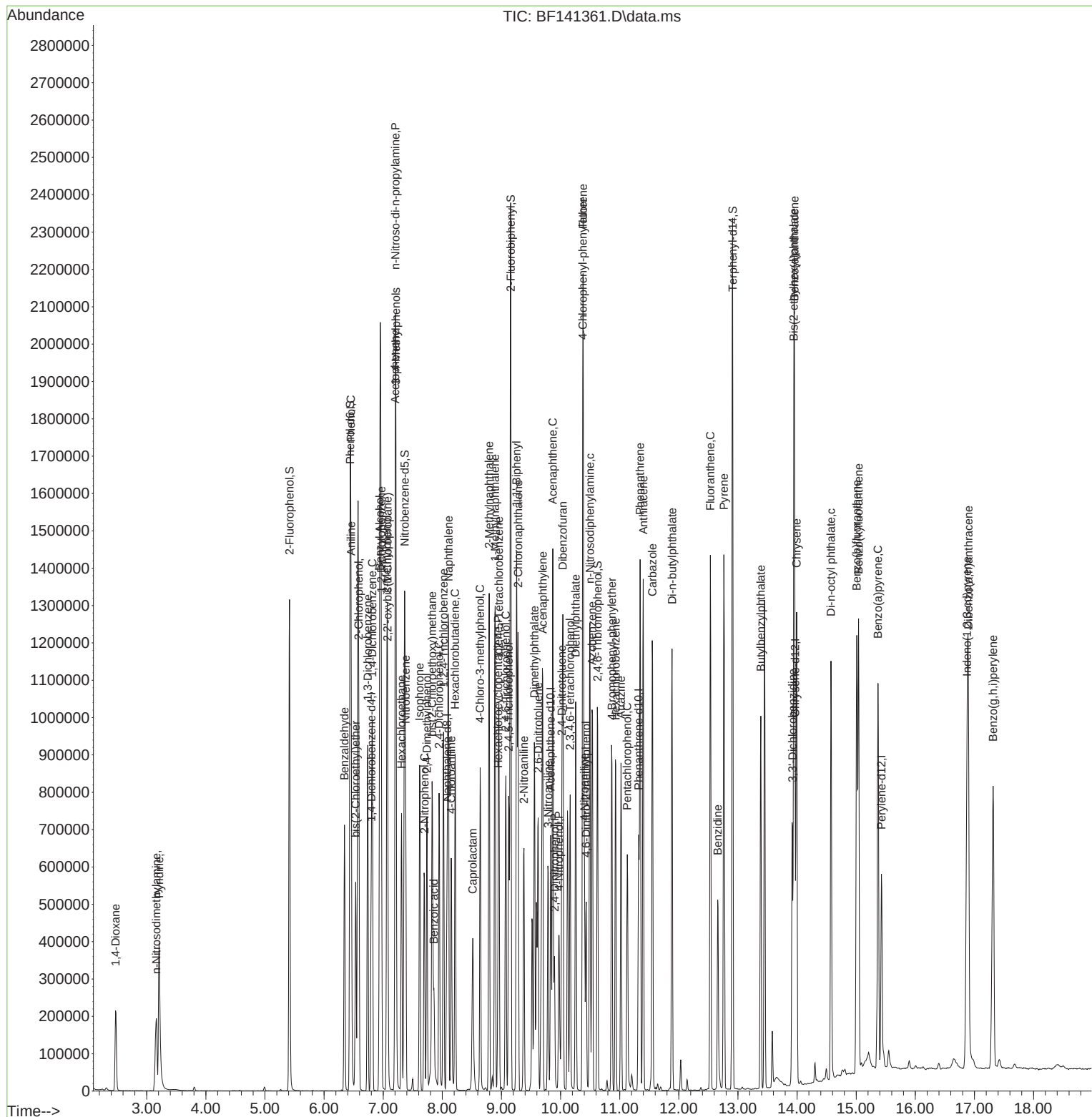
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Data File : BF141361.D  
Acq On    : 03 Feb 2025  11:24  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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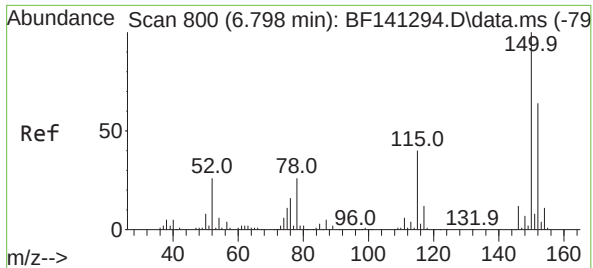
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





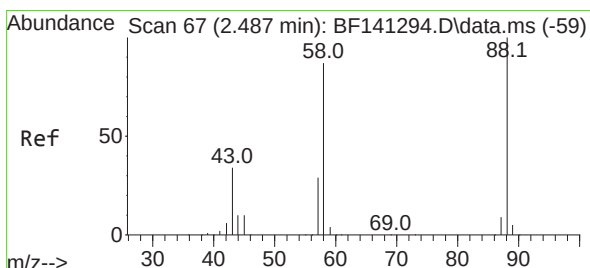
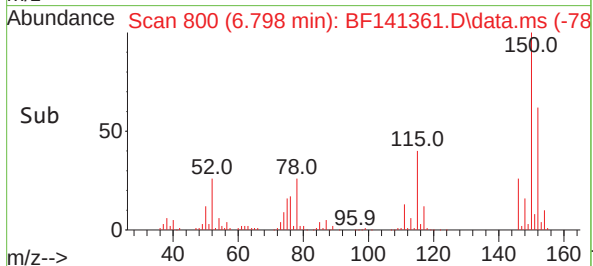
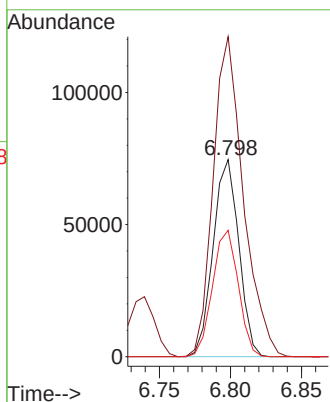
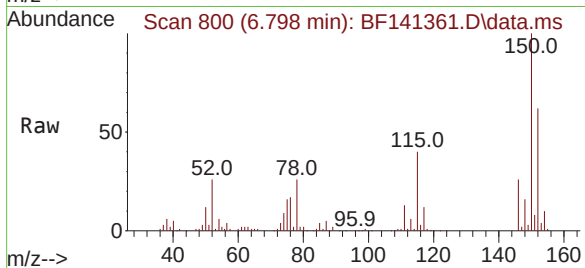
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 93800
Ion Ratio Lower Upper
152 100
150 162.4 125.9 188.9
115 64.2 49.7 74.5

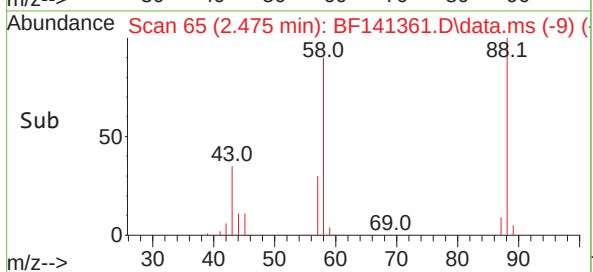
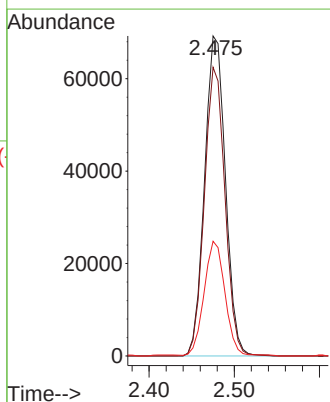
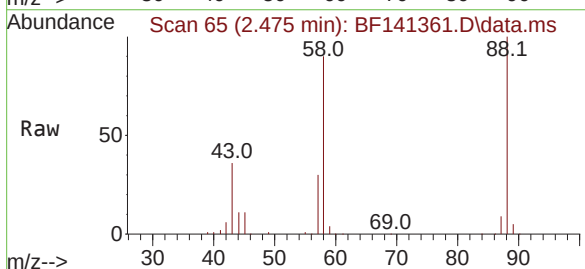
Manual Integrations
APPROVED

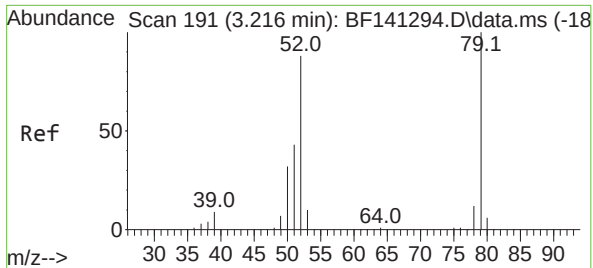
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 44.012 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

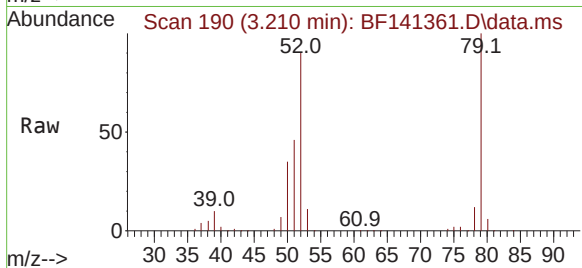
Tgt Ion: 88 Resp: 118270
Ion Ratio Lower Upper
88 100
58 88.7 70.2 105.4
43 36.1 27.6 41.4





#3
Pyridine
Concen: 38.431 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

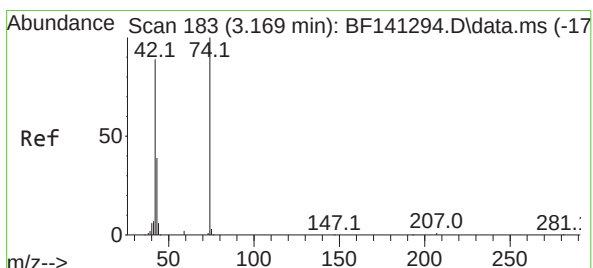
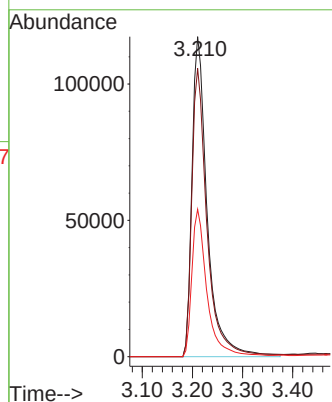
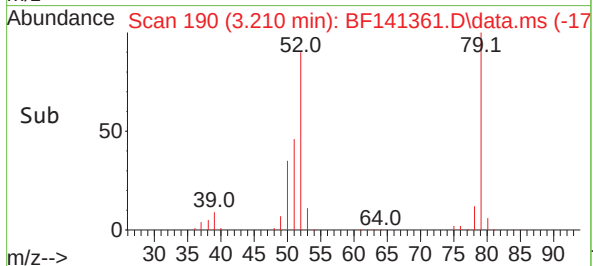
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



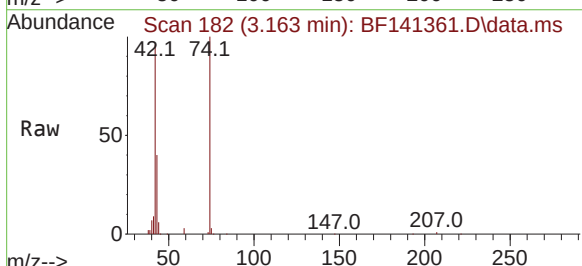
Tgt Ion: 79 Resp: 24882
Ion Ratio Lower Upper
79 100
52 90.1 70.3 105.5
51 46.1 34.3 51.5

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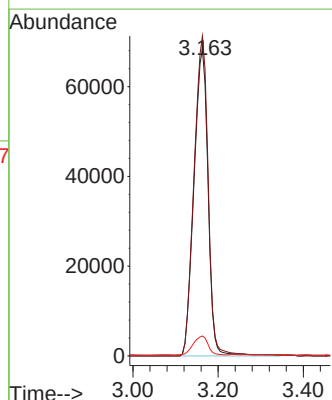
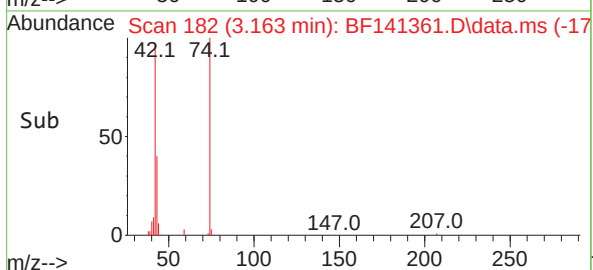
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

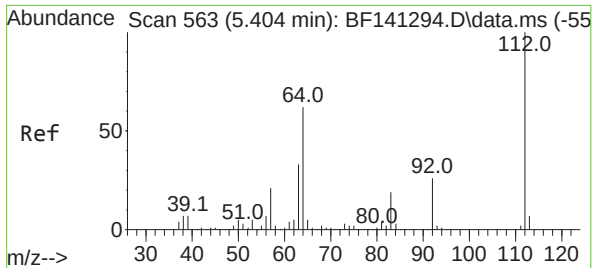


#4
n-Nitrosodimethylamine
Concen: 42.660 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.036 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion: 42 Resp: 157786
Ion Ratio Lower Upper
42 100
74 104.4 90.3 135.5
44 6.5 5.7 8.5





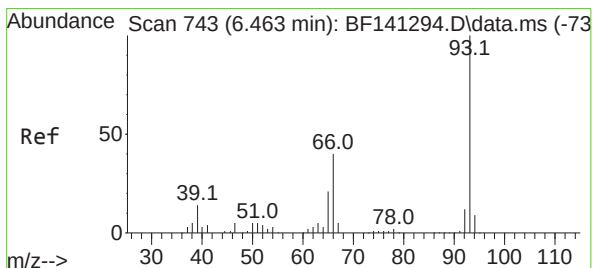
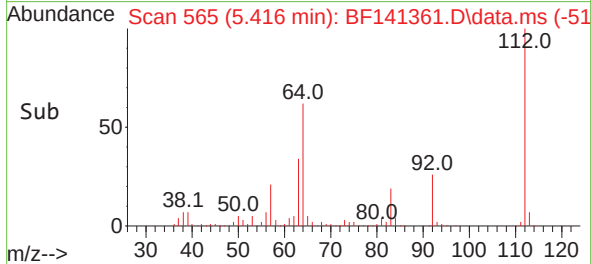
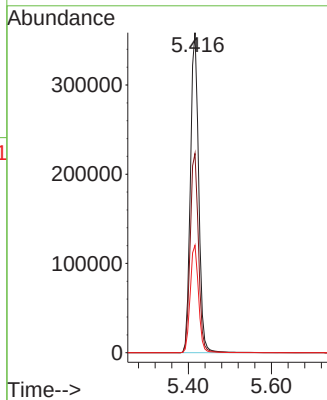
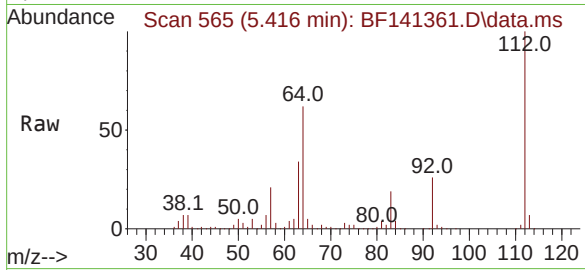
#5
2-Fluorophenol
Concen: 80.639 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 49271
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.5 26.1 39.1

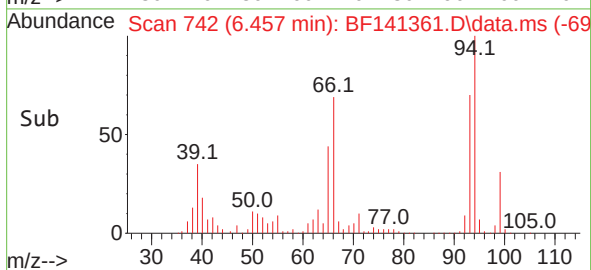
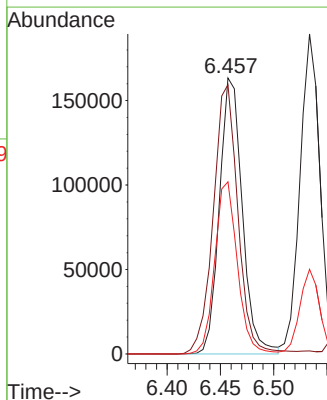
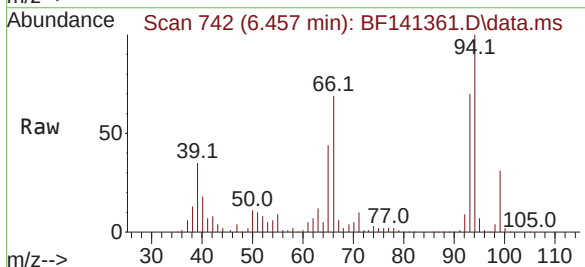
Manual Integrations
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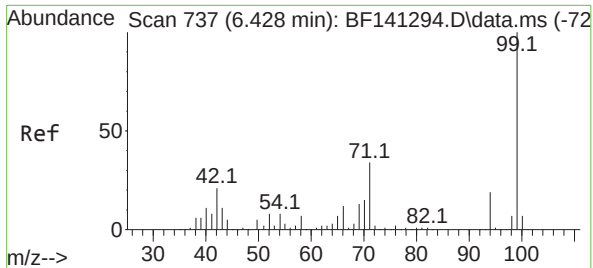
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 37.112 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 93 Resp: 244181
Ion Ratio Lower Upper
93 100
66 97.6 32.5 48.7#
65 62.4 17.0 25.6#





#7

Phenol-d6

Concen: 79.215 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 615730

Ion Ratio Lower Upper

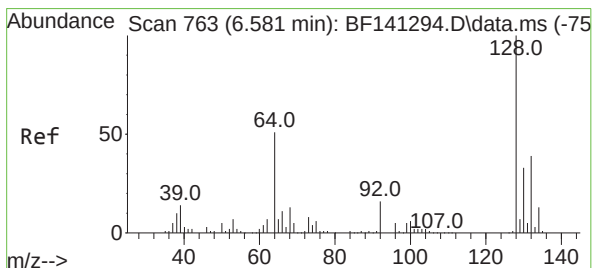
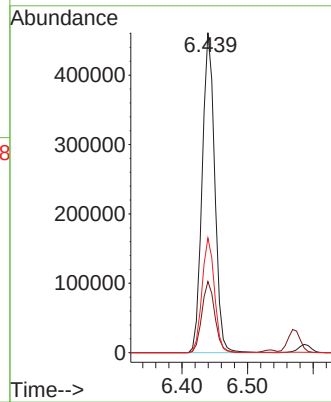
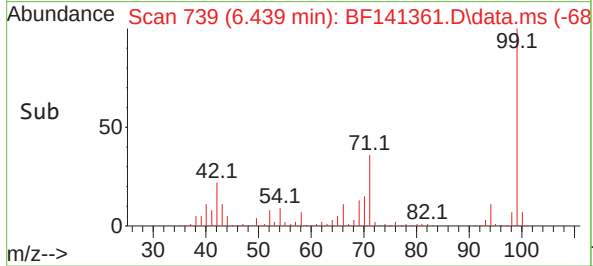
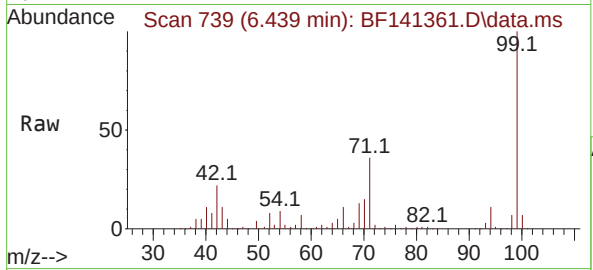
99 100

42 22.3 17.1 25.7

71 35.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#8

2-Chlorophenol

Concen: 40.687 ng

RT: 6.587 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

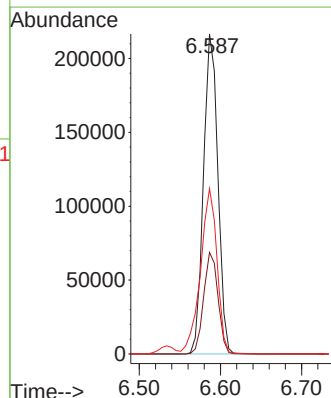
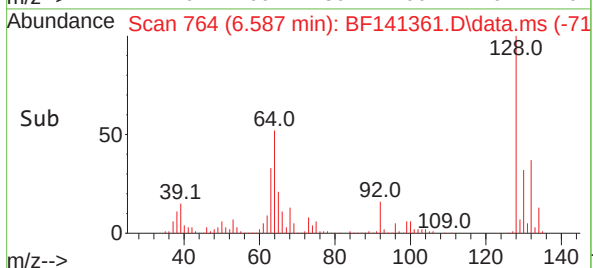
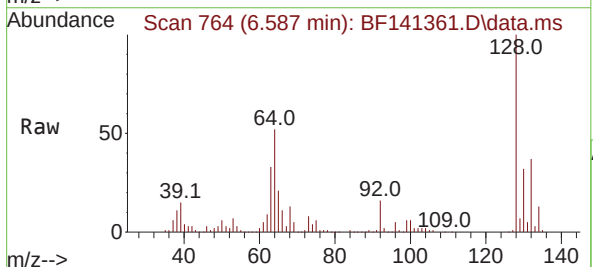
Tgt Ion:128 Resp: 266456

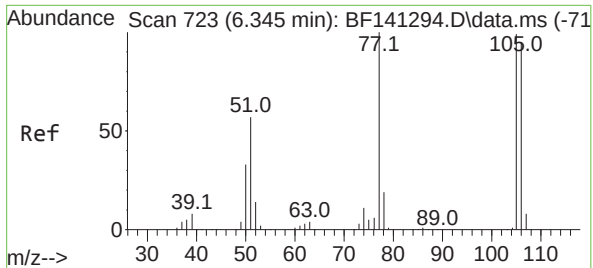
Ion Ratio Lower Upper

128 100

130 31.8 12.5 52.5

64 51.7 32.9 72.9





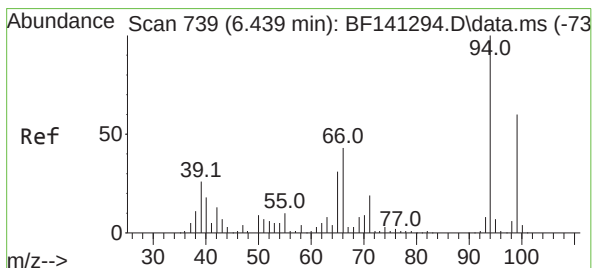
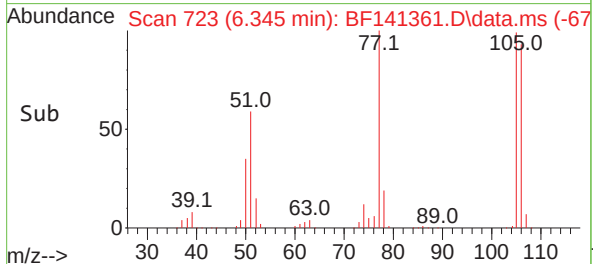
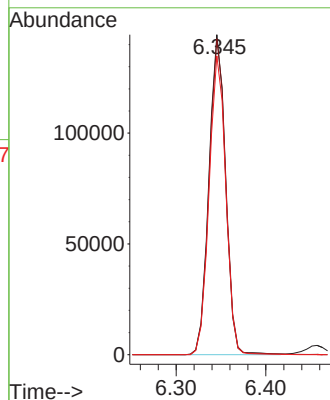
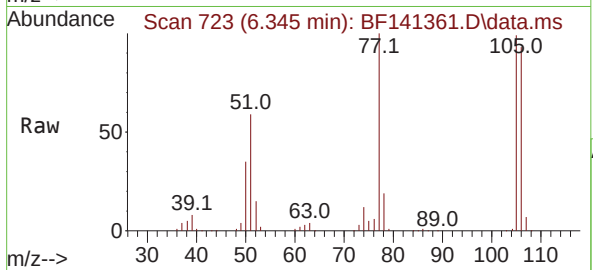
#9
Benzaldehyde
Concen: 41.190 ng
RT: 6.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 185452
Ion Ratio Lower Upper
77 100
105 98.8 79.4 119.4
106 93.4 74.6 114.6

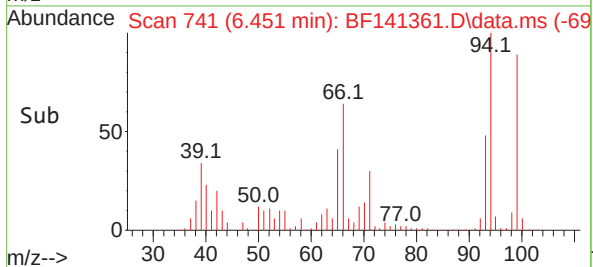
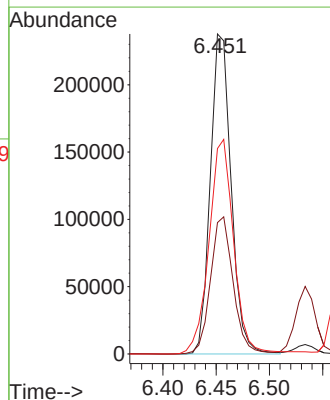
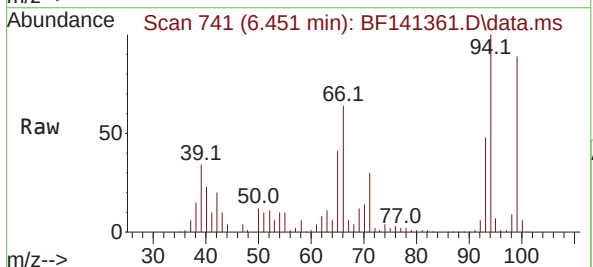
Manual Integrations
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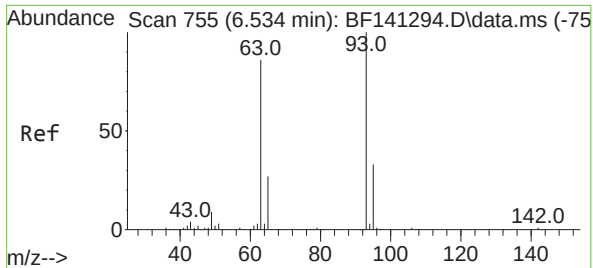
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 39.294 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

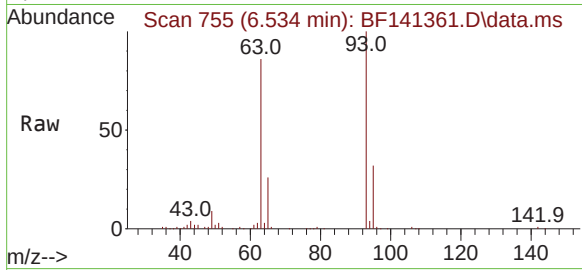
Tgt Ion: 94 Resp: 323771
Ion Ratio Lower Upper
94 100
65 41.1 10.8 50.8
66 64.2 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 38.659 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

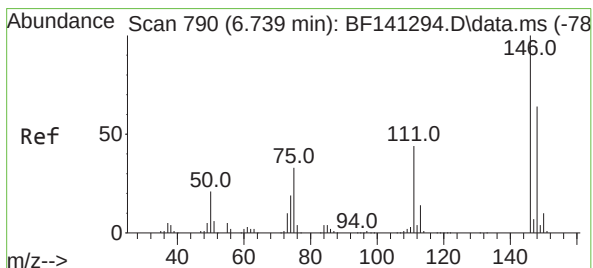
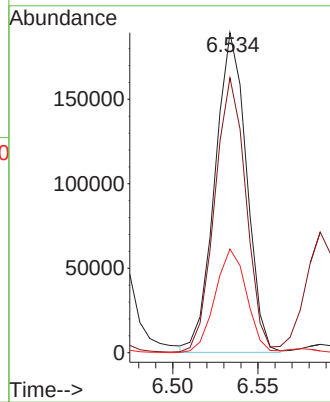
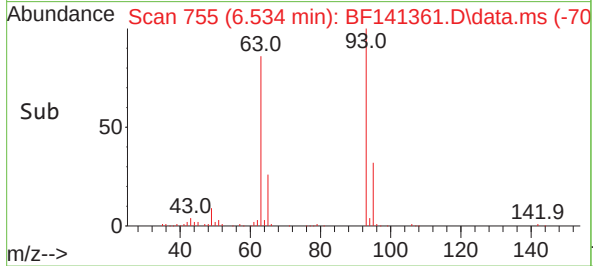
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 93 Resp: 24423
Ion Ratio Lower Upper
93 100
63 85.9 65.0 105.0
95 32.4 12.4 52.4

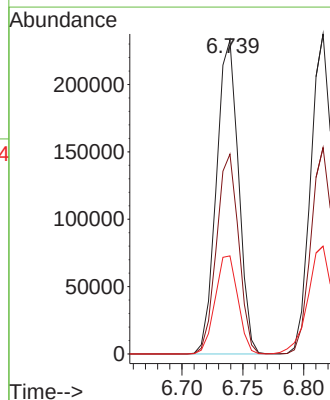
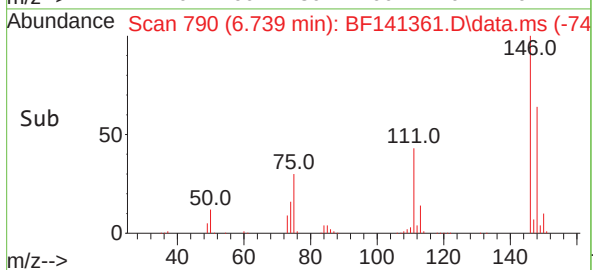
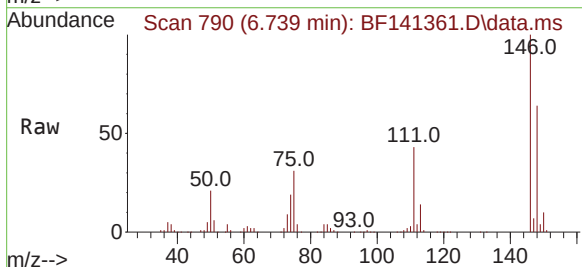
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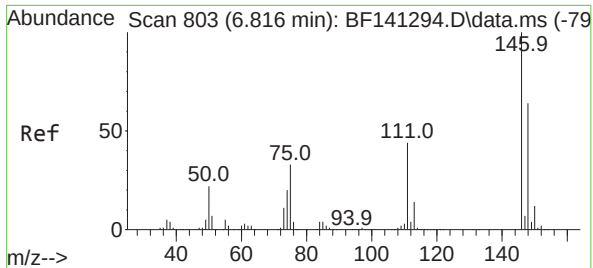
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 40.844 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:146 Resp: 294934
Ion Ratio Lower Upper
146 100
148 63.7 51.2 76.8
75 31.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.554 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 294184

Ion Ratio Lower Upper

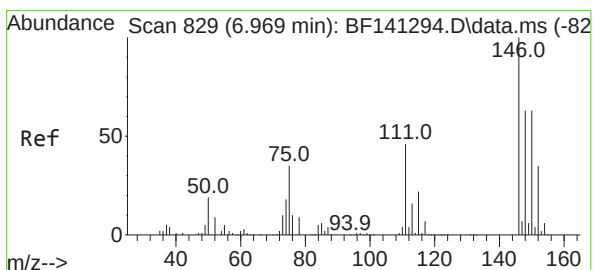
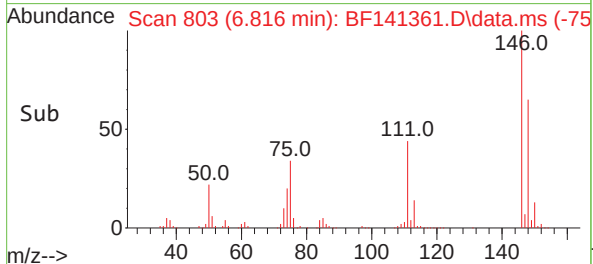
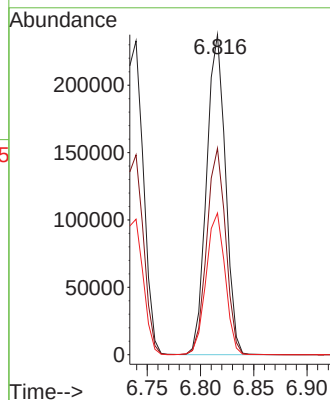
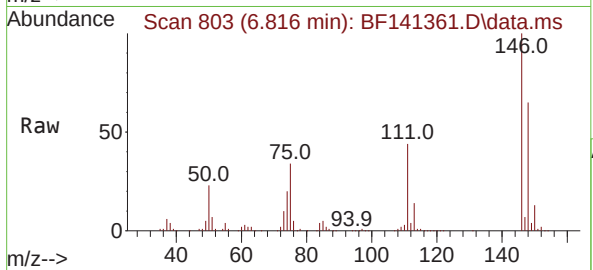
146 100

148 64.5 51.2 76.8

111 44.2 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#14

1,2-Dichlorobenzene

Concen: 40.649 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

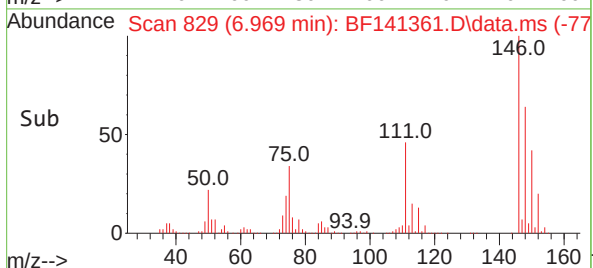
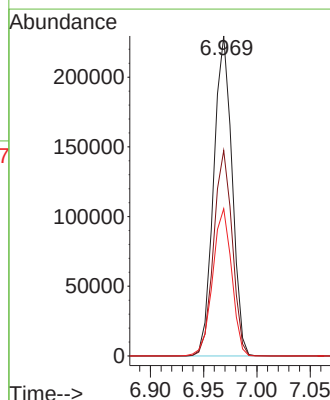
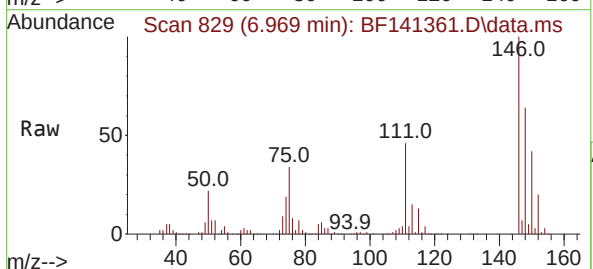
Tgt Ion:146 Resp: 276119

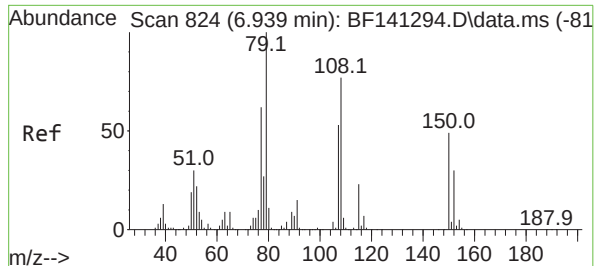
Ion Ratio Lower Upper

146 100

148 64.2 50.5 75.7

111 46.0 36.6 55.0





#15

Benzyl Alcohol

Concen: 42.844 ng

RT: 6.939 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 22758

Ion Ratio Lower Upper

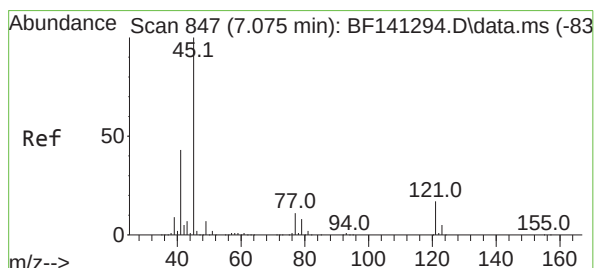
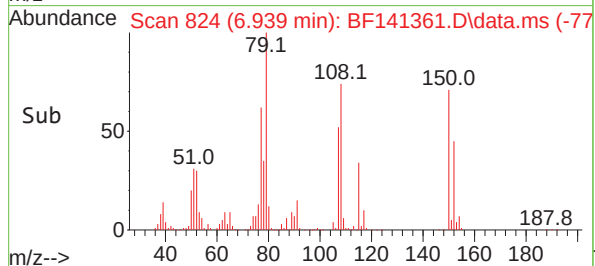
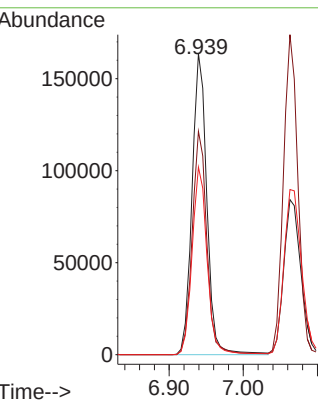
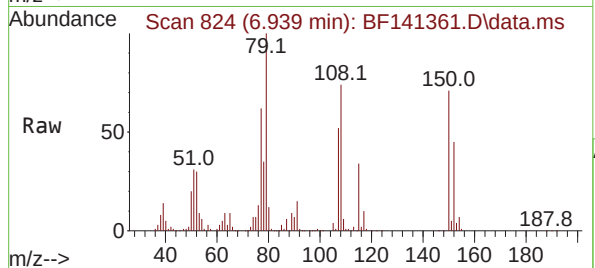
79 100

108 74.2 61.4 92.0

77 62.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#16

2,2'-oxybis(1-chloropropane)

Concen: 37.563 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

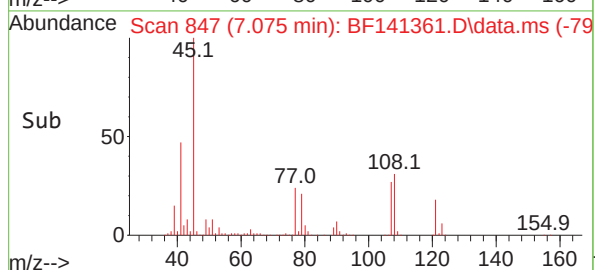
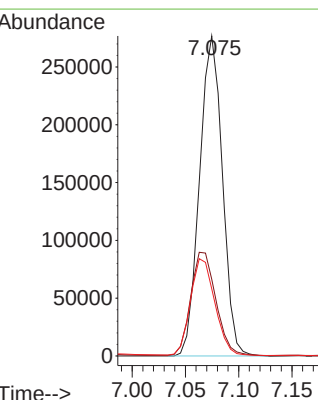
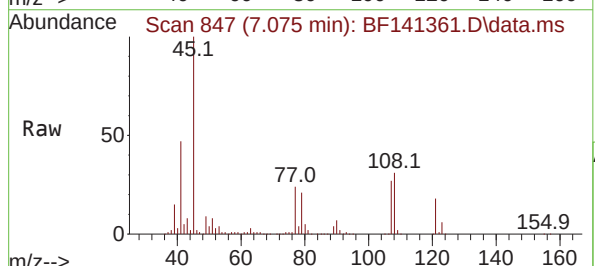
Tgt Ion: 45 Resp: 412661

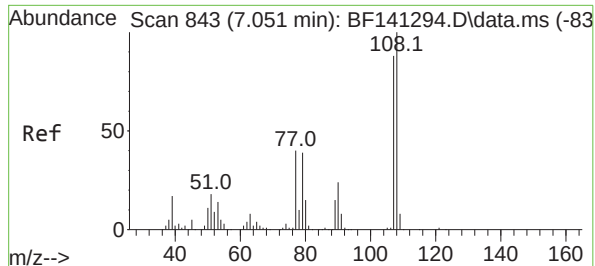
Ion Ratio Lower Upper

45 100

77 24.0 0.0 31.8

79 21.0 0.0 29.1





#17

2-Methylphenol

Concen: 38.689 ng

RT: 7.063 min Scan# 843

Delta R.T. 0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 205920

Ion Ratio Lower Upper

107 100

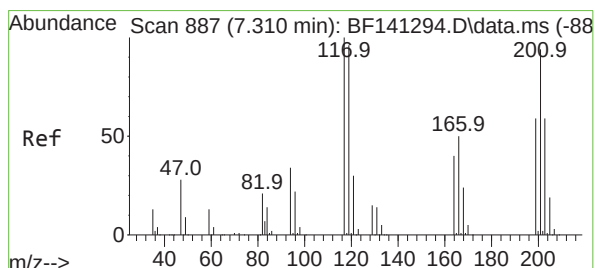
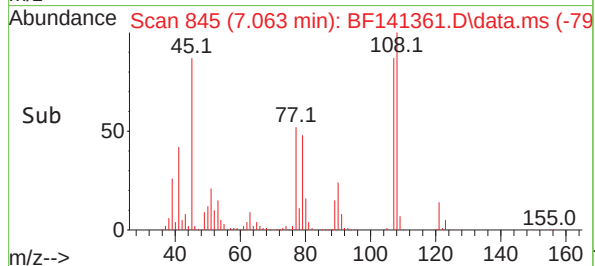
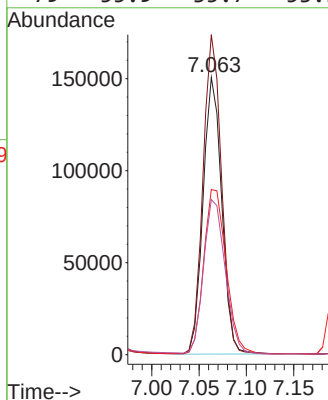
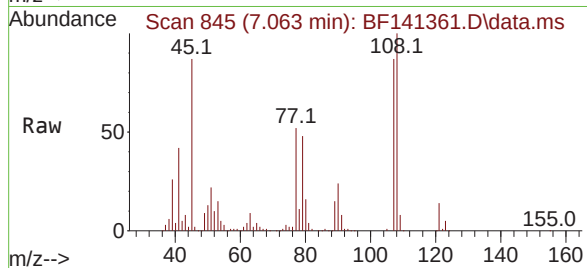
108 115.4 90.8 136.2

77 59.5 36.2 54.4

79 55.9 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#18

Hexachloroethane

Concen: 41.383 ng

RT: 7.310 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

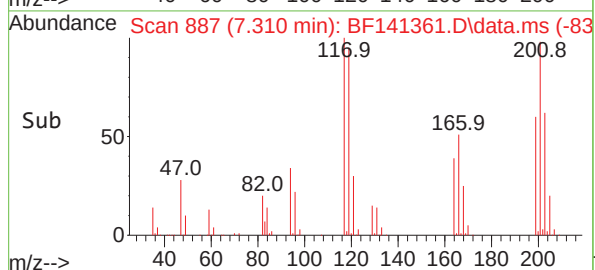
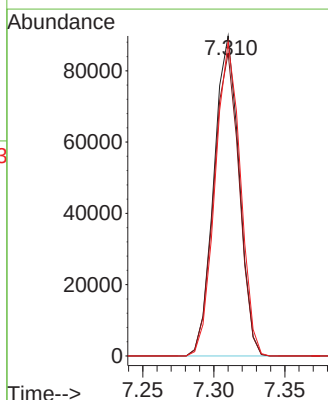
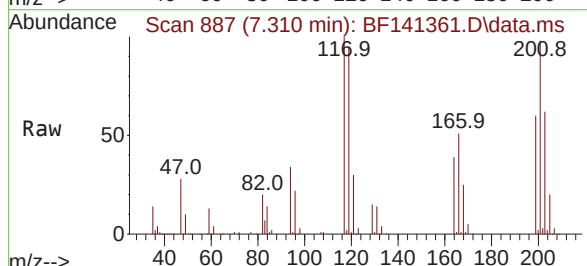
Tgt Ion:117 Resp: 110745

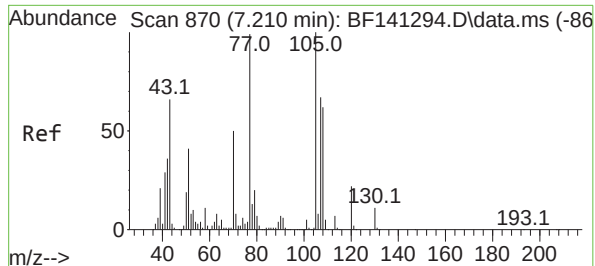
Ion Ratio Lower Upper

117 100

119 94.7 76.6 114.8

201 98.0 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.542 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 182630

Ion Ratio Lower Upper

70 100

42 72.2 56.8 85.2

101 9.8 7.7 11.5

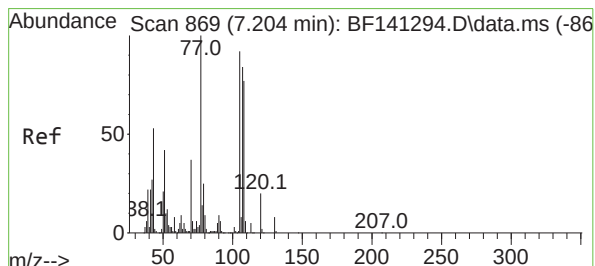
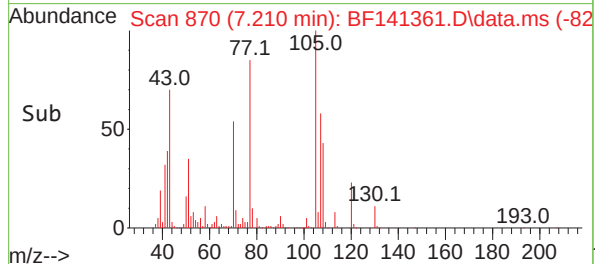
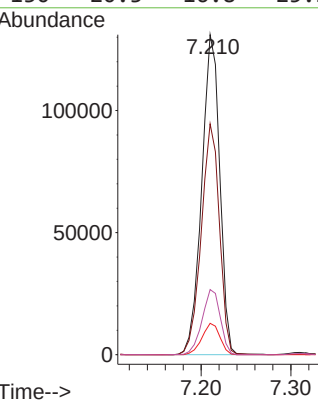
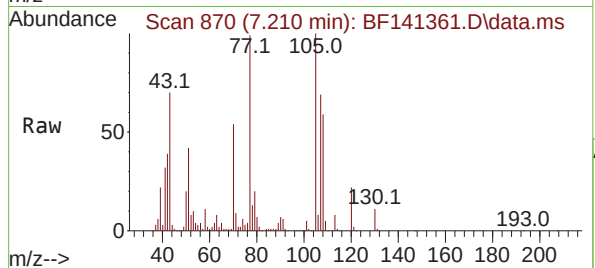
130 20.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 41.520 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Tgt Ion:107 Resp: 271346

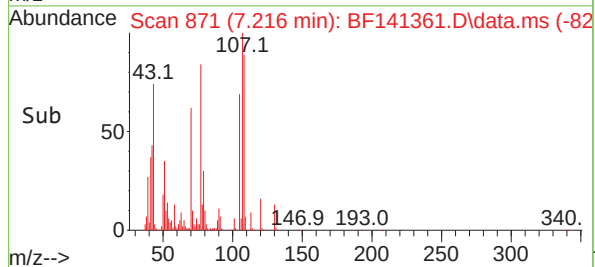
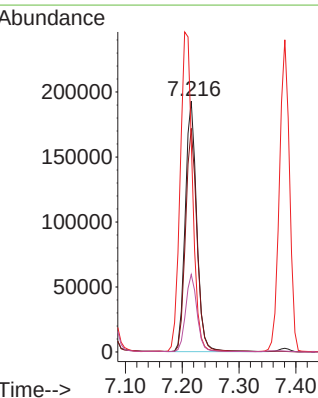
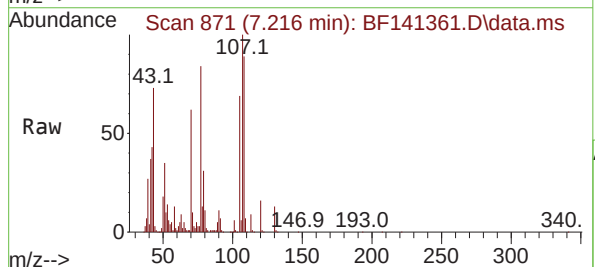
Ion Ratio Lower Upper

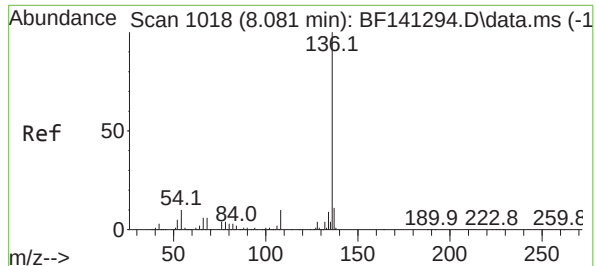
107 100

108 89.2 70.9 110.9

77 84.4 98.5 138.5#

79 30.9 9.5 49.5





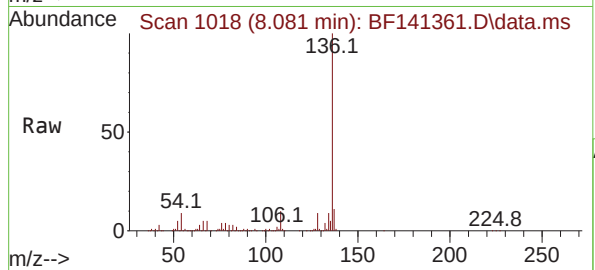
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

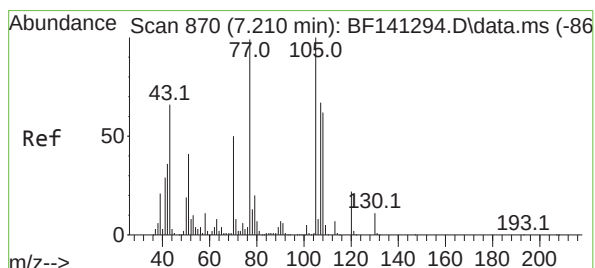
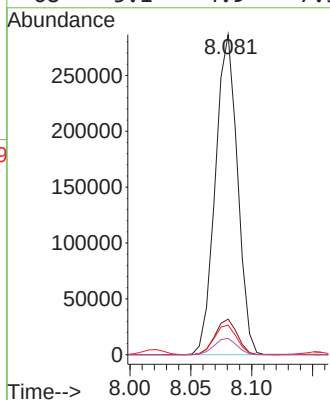
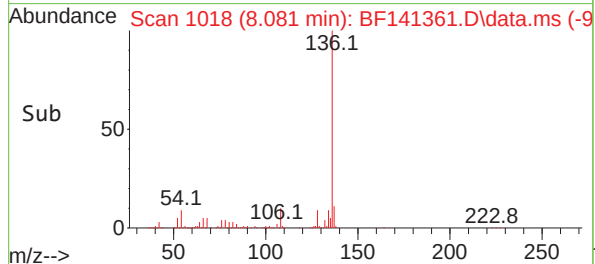


Tgt Ion:136 Resp: 362783
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.8 11.8
68 5.1 4.9 7.3

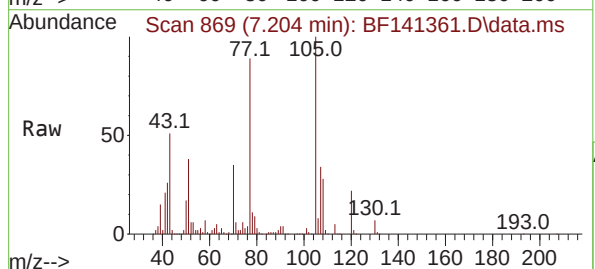
Manual Integrations

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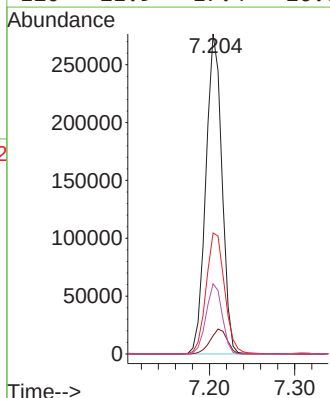
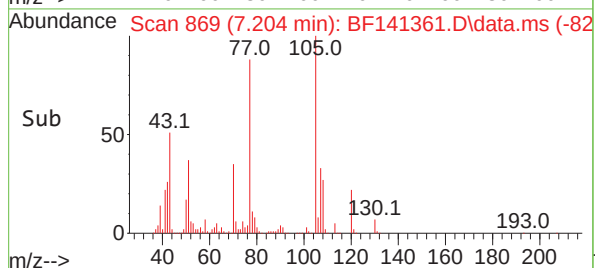
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

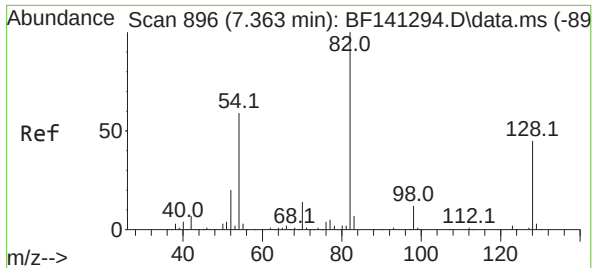


#22
Acetophenone
Concen: 42.153 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:105 Resp: 363495
Ion Ratio Lower Upper
105 100
71 5.7 6.8 10.2#
51 37.8 32.6 49.0
120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 83.781 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 576560

Ion Ratio Lower Upper

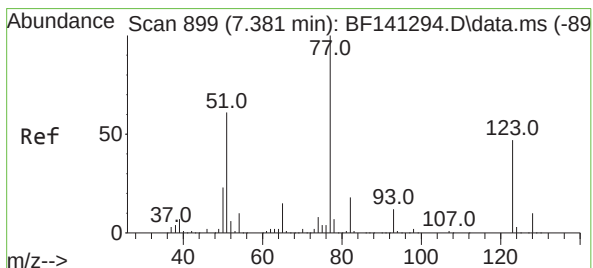
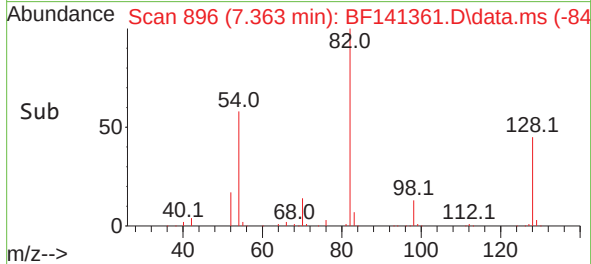
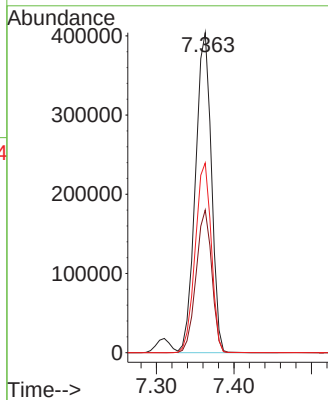
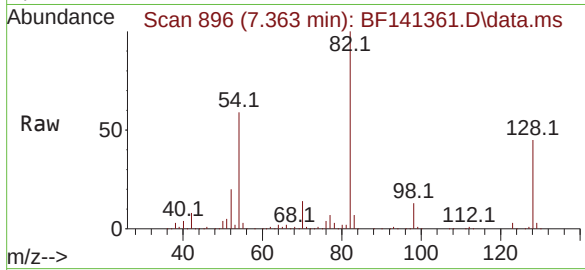
82 100

128 44.6 35.7 53.5

54 59.3 47.1 70.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#24

Nitrobenzene

Concen: 41.381 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

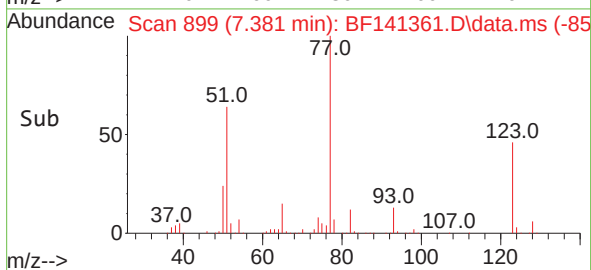
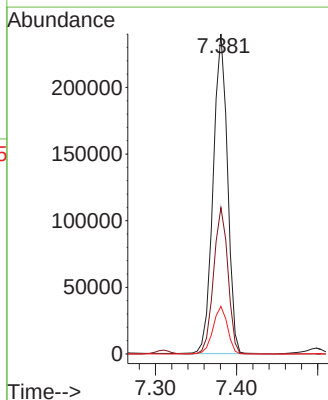
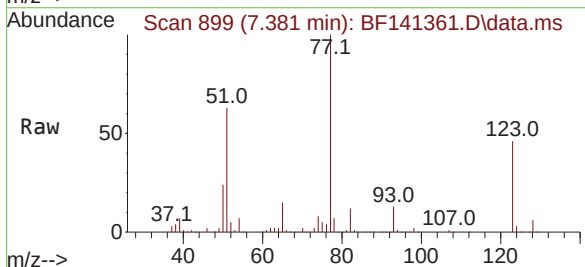
Tgt Ion: 77 Resp: 295113

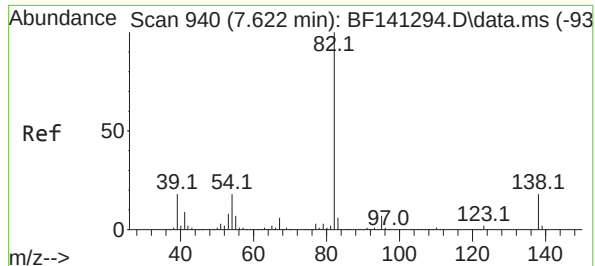
Ion Ratio Lower Upper

77 100

123 45.8 37.3 55.9

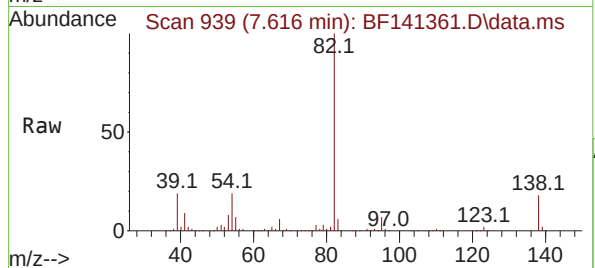
65 14.9 11.8 17.6





#25
Isophorone
Concen: 39.825 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

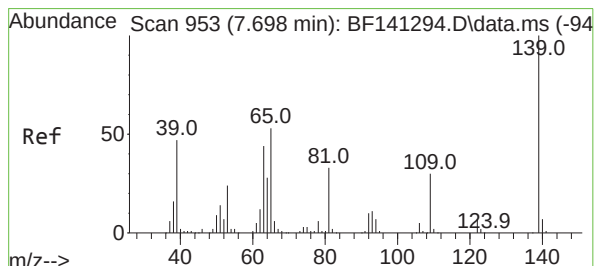
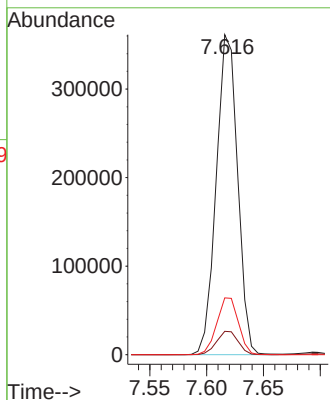
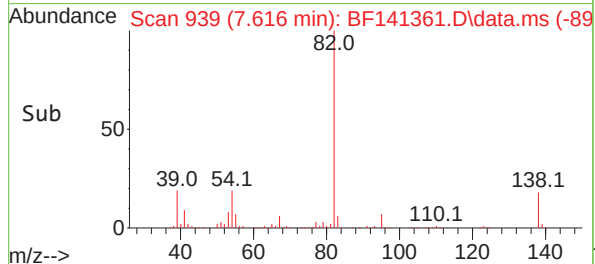
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 47375
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.7 14.7 22.1

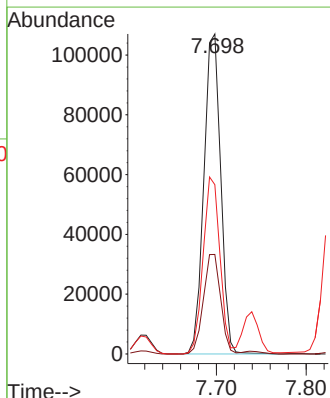
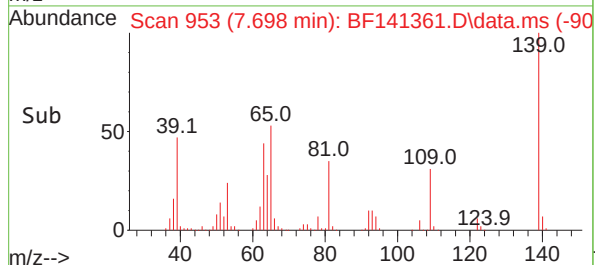
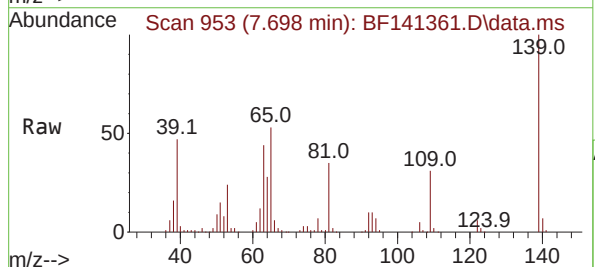
Manual Integrations
APPROVED

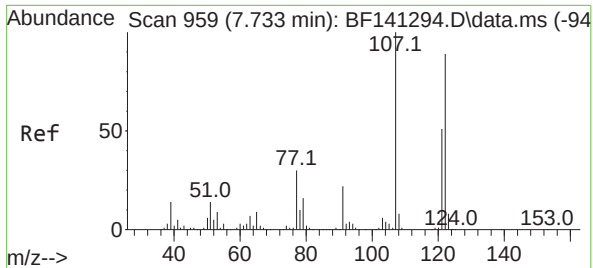
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 41.467 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

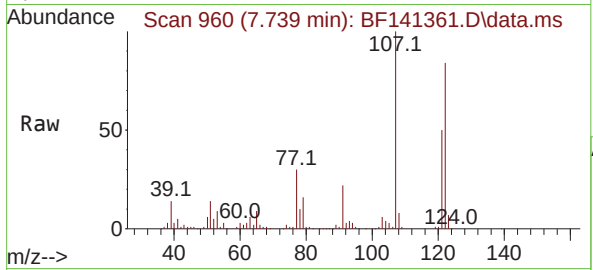
Tgt Ion:139 Resp: 139470
Ion Ratio Lower Upper
139 100
109 31.1 23.8 35.6
65 52.9 42.2 63.4





#27
2,4-Dimethylphenol
Concen: 39.629 ng m
RT: 7.739 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

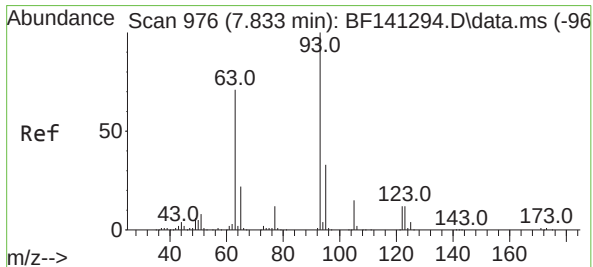
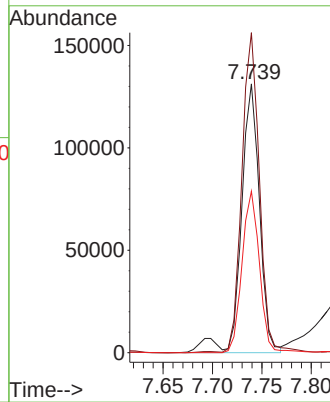
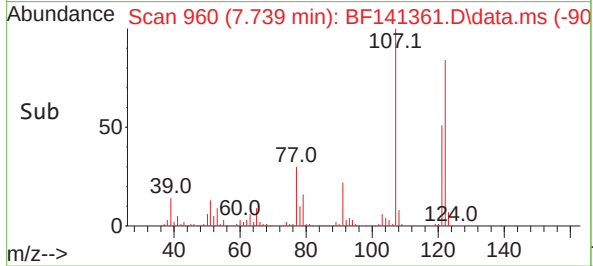
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:122 Resp: 169654
Ion Ratio Lower Upper
122 100
107 119.1 89.9 134.9
121 60.1 46.1 69.1

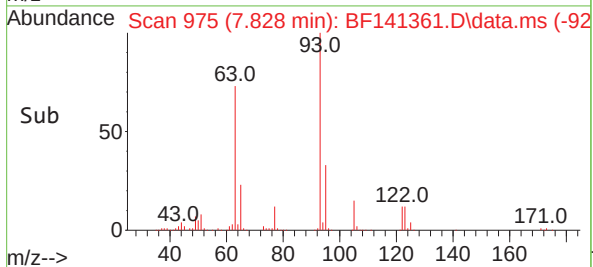
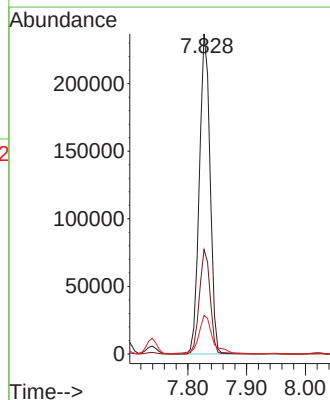
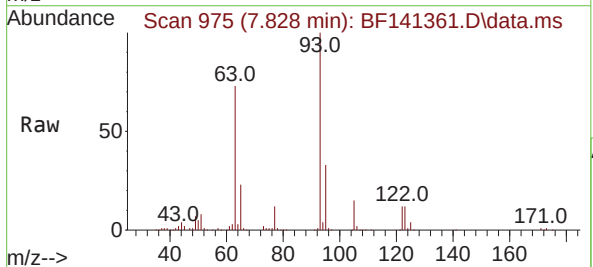
Manual Integrations
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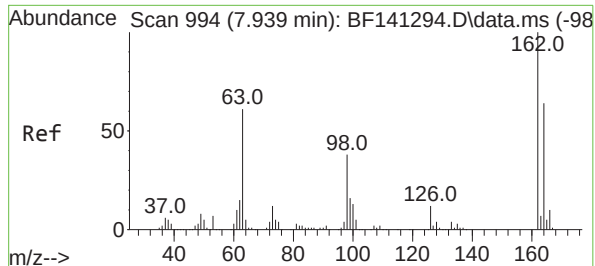
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#28
bis(2-Chloroethoxy)methane
Concen: 39.540 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 93 Resp: 300026
Ion Ratio Lower Upper
93 100
95 32.7 26.2 39.2
123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.114 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141361.D

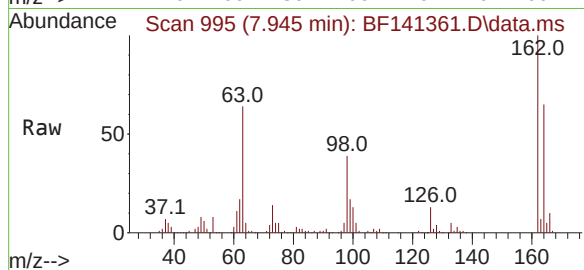
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 215470

Ion Ratio Lower Upper

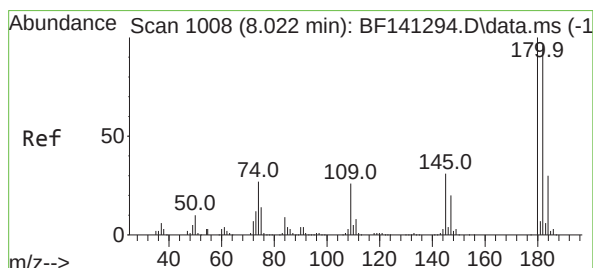
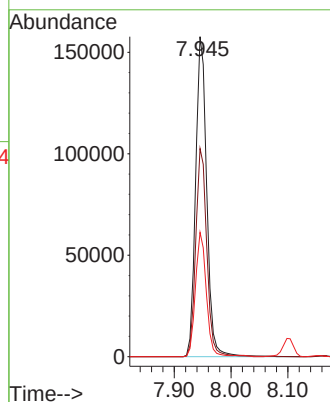
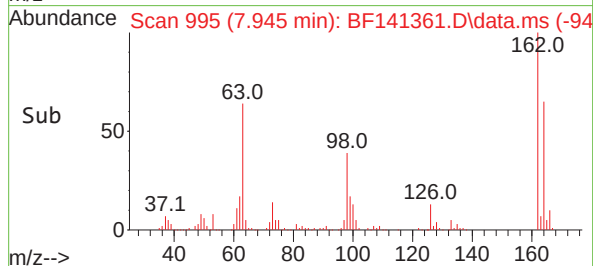
162 100

164 65.1 44.2 84.2

98 38.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#30

1,2,4-Trichlorobenzene

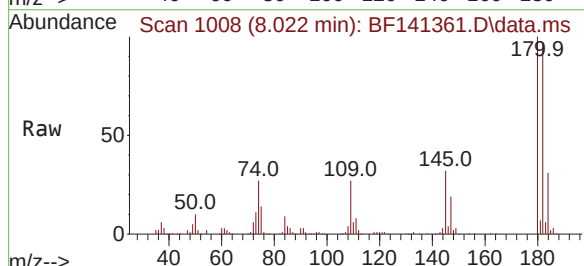
Concen: 40.654 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



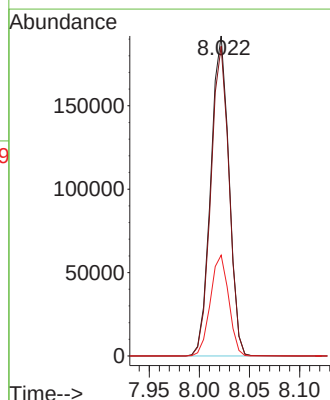
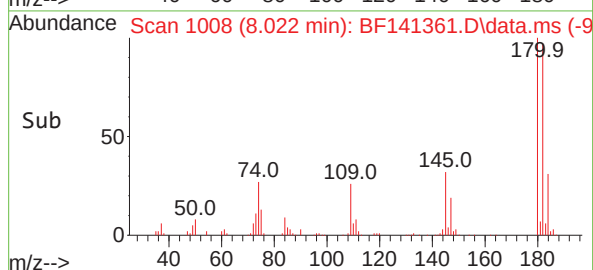
Tgt Ion:180 Resp: 243325

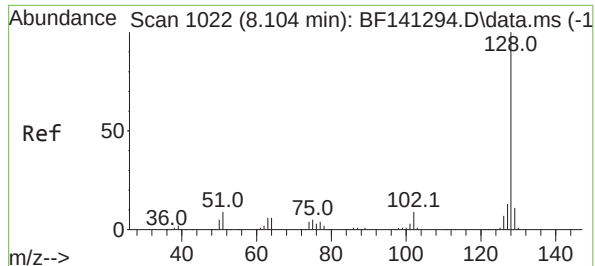
Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

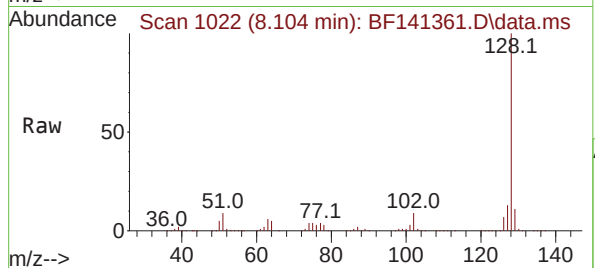
145 31.5 24.9 37.3





#31
Naphthalene
Concen: 40.850 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

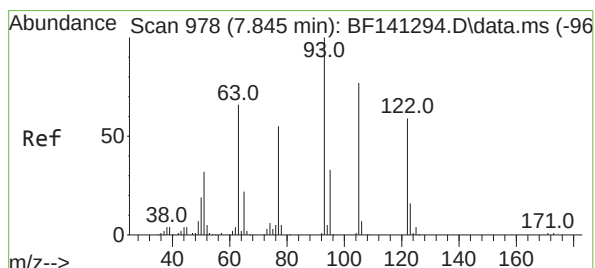
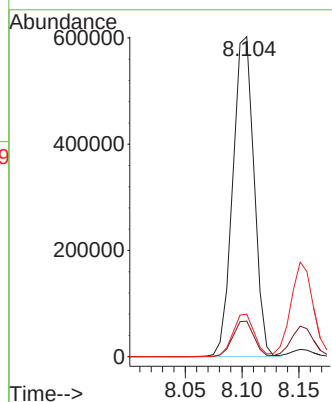
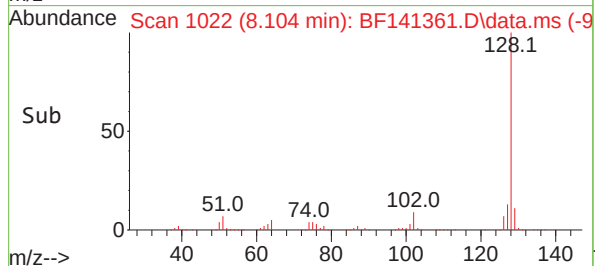
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 782884
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 15.8

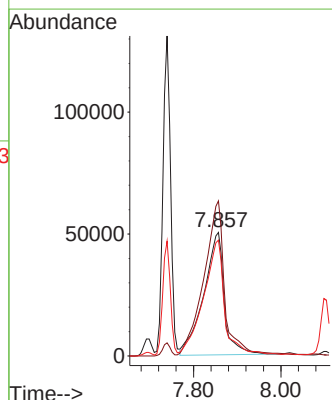
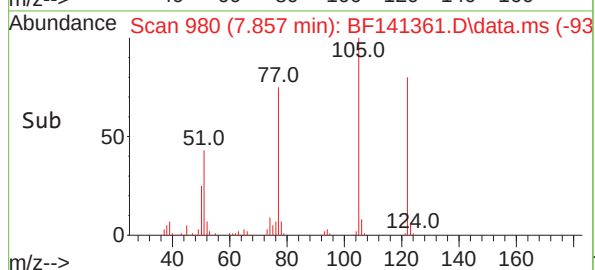
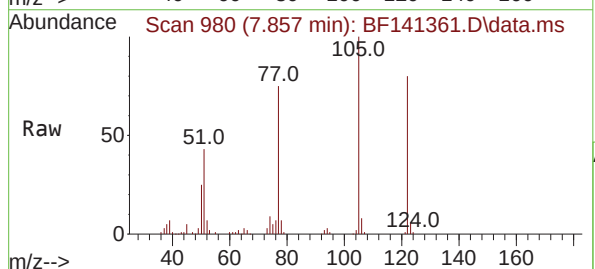
Manual Integrations
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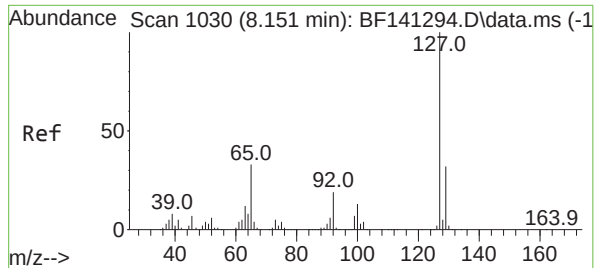
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 41.864 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:122 Resp: 164754
Ion Ratio Lower Upper
122 100
105 125.5 103.4 143.4
77 93.8 70.9 110.9





#33

4-Chloroaniline

Concen: 38.830 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 252352

Ion Ratio Lower Upper

127 100

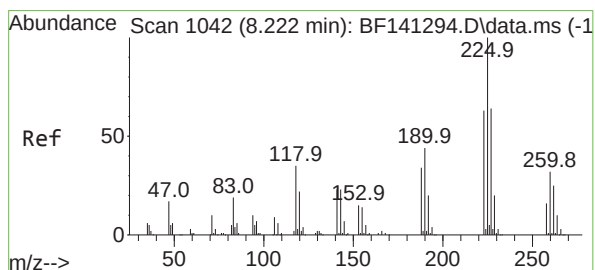
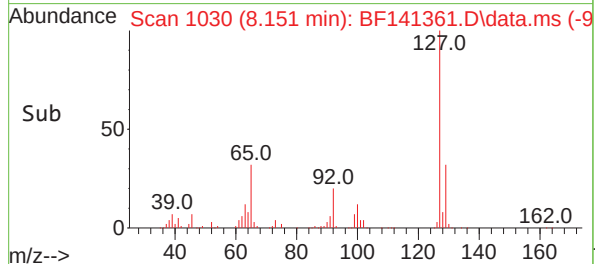
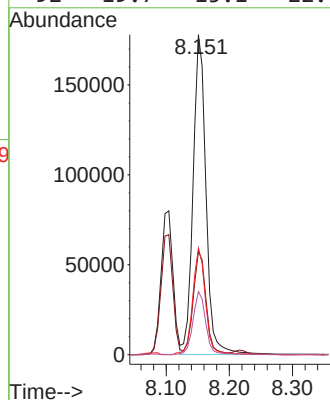
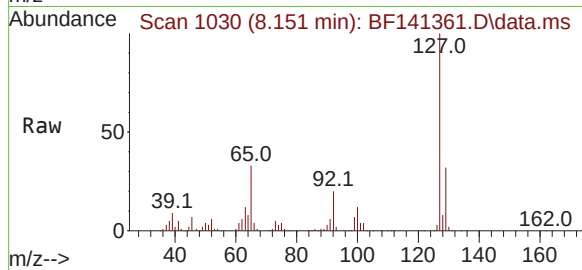
129 32.3 25.7 38.5

65 33.4 26.4 39.6

92 19.7 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#34

Hexachlorobutadiene

Concen: 42.830 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

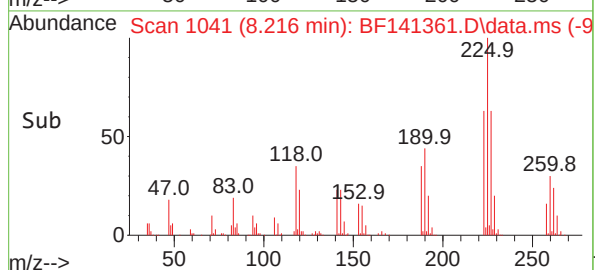
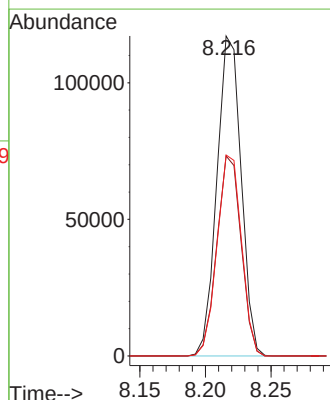
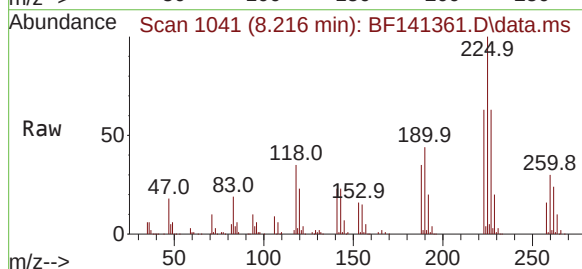
Tgt Ion:225 Resp: 150331

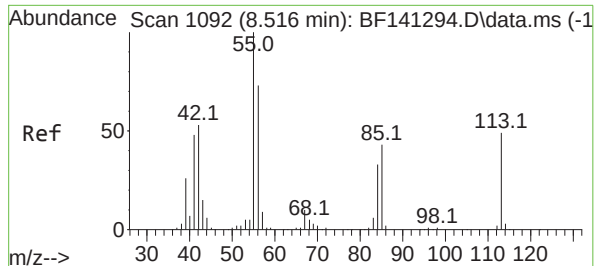
Ion Ratio Lower Upper

225 100

223 62.5 50.4 75.6

227 62.8 51.3 76.9





#35

Caprolactam

Concen: 40.128 ng

RT: 8.516 min Scan# 1109

Delta R.T. -0.030 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 6868

Ion Ratio Lower Upper

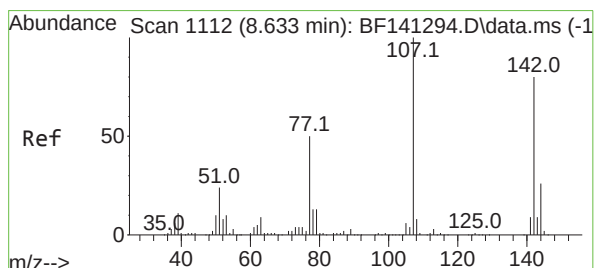
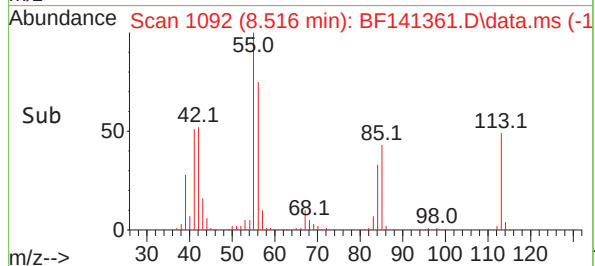
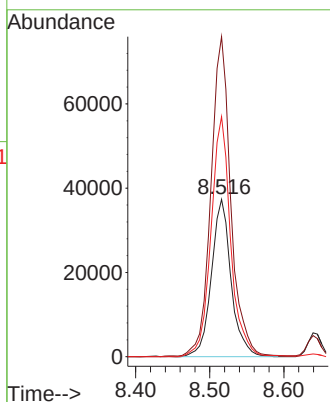
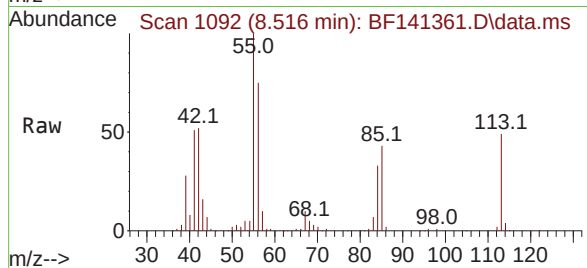
113 100

55 203.4 182.9 222.9

56 152.5 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#36

4-Chloro-3-methylphenol

Concen: 41.805 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

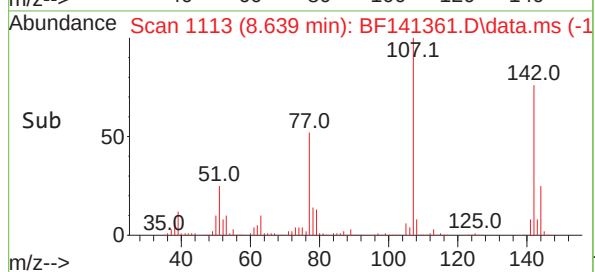
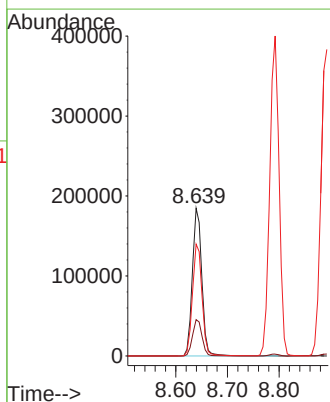
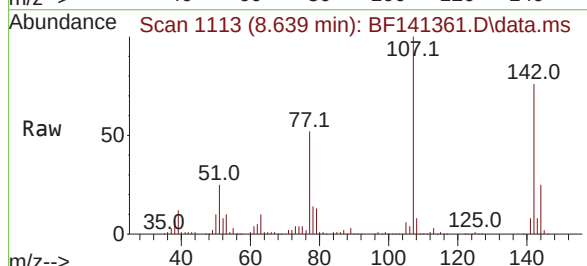
Tgt Ion:107 Resp: 235016

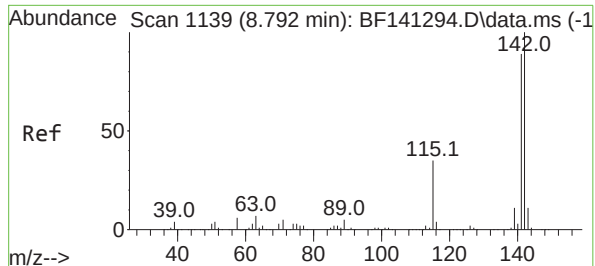
Ion Ratio Lower Upper

107 100

144 24.6 20.7 31.1

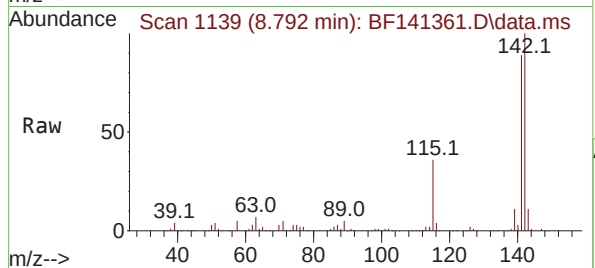
142 75.8 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.088 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

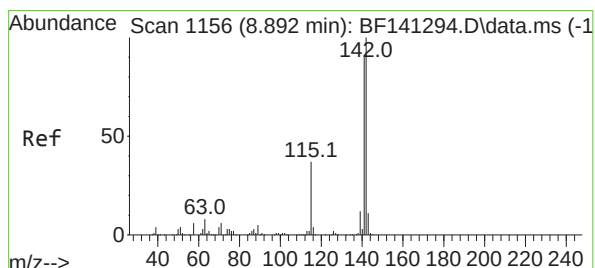
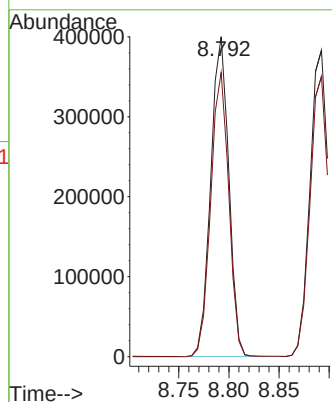
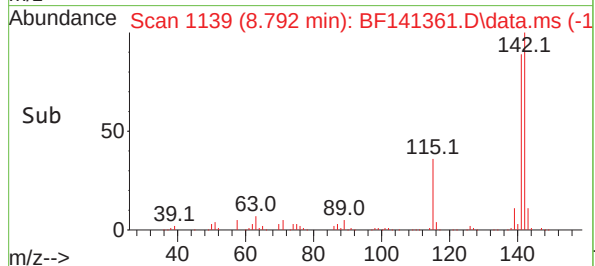
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 50049
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

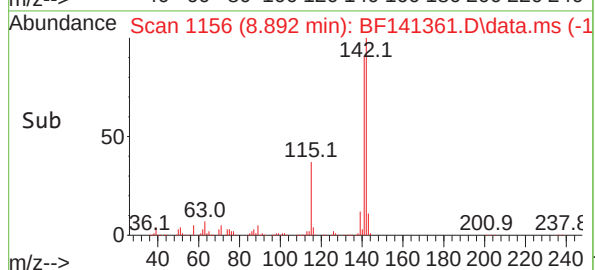
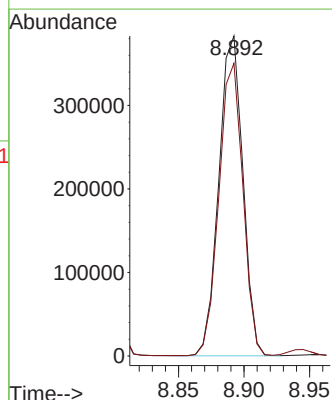
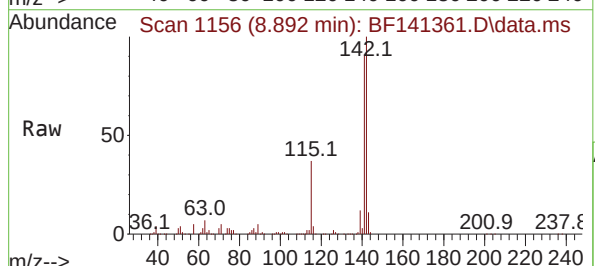
Manual Integrations
APPROVED

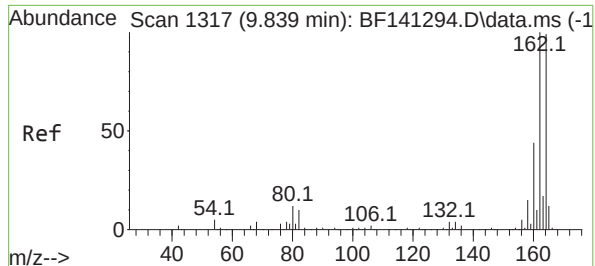
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 40.770 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:142 Resp: 487831
Ion Ratio Lower Upper
142 100
141 91.4 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141361.D

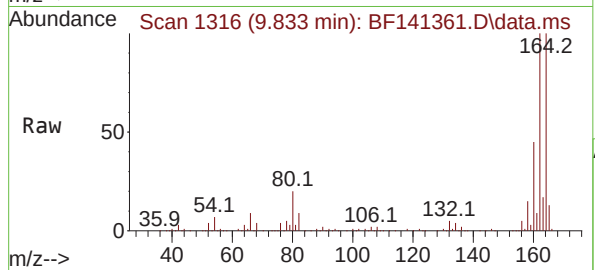
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 198560

Ion Ratio Lower Upper

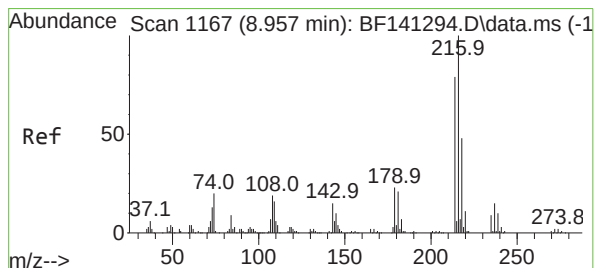
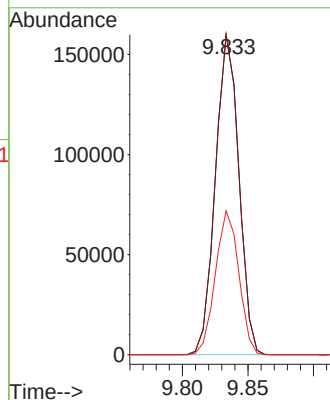
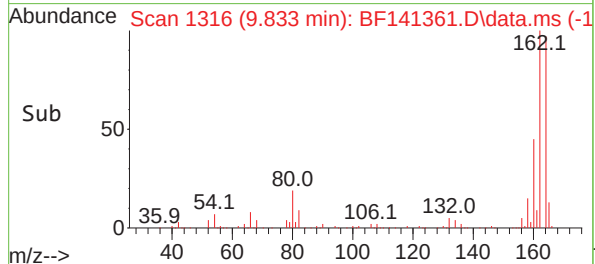
164 100

162 100.0 80.6 121.0

160 45.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#40

1,2,4,5-Tetrachlorobenzene

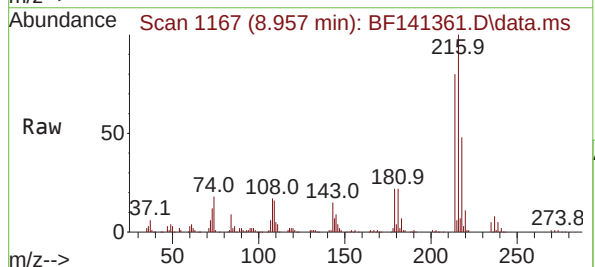
Concen: 40.237 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



Tgt Ion:216 Resp: 227300

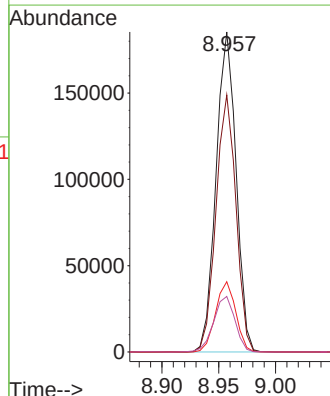
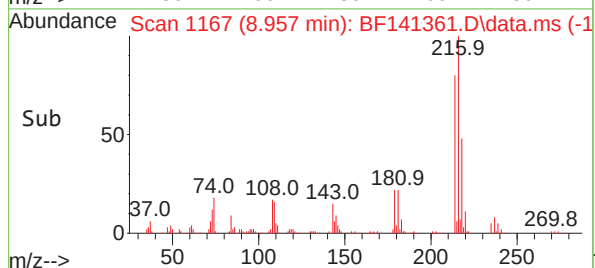
Ion Ratio Lower Upper

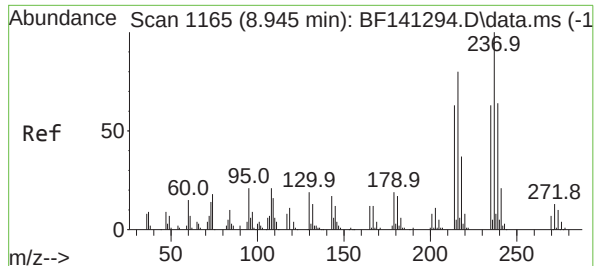
216 100

214 80.1 63.2 94.8

179 22.1 17.8 26.8

108 18.5 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 43.983 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 7337

Ion Ratio Lower Upper

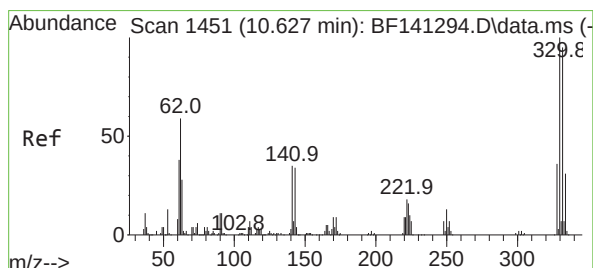
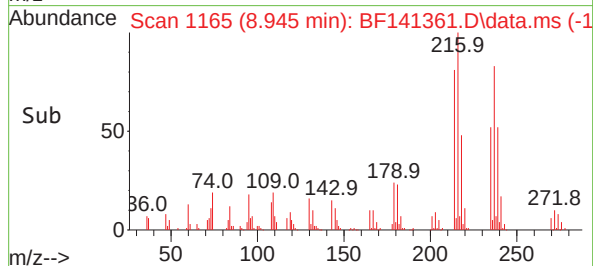
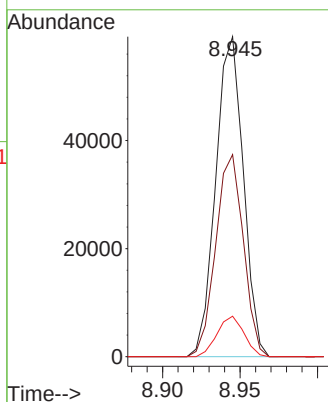
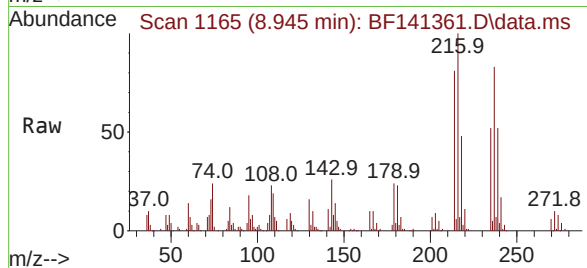
237 100

235 63.1 42.9 82.9

272 12.6 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#42

2,4,6-Tribromophenol

Concen: 87.321 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

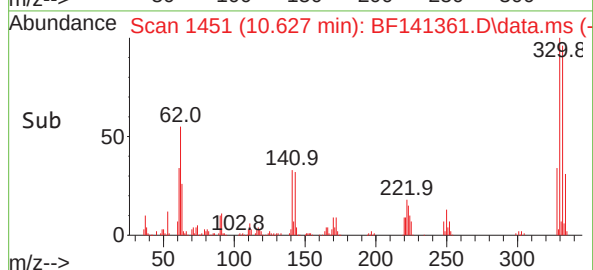
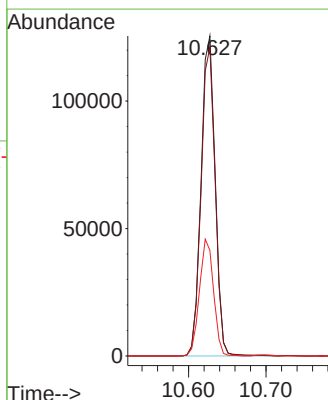
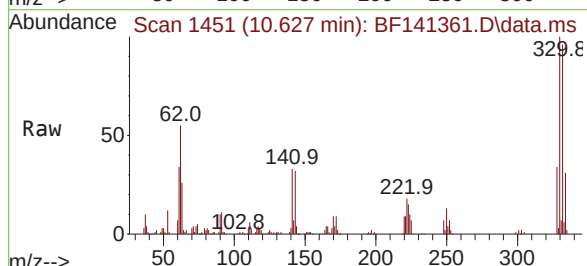
Tgt Ion:330 Resp: 158958

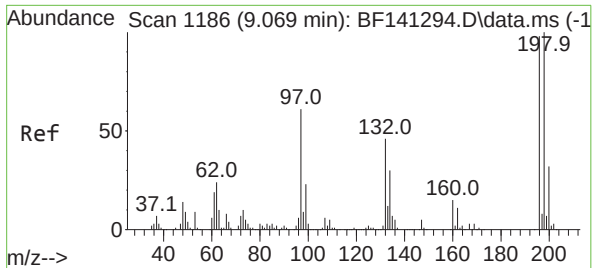
Ion Ratio Lower Upper

330 100

332 96.2 76.1 114.1

141 36.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.248 ng

RT: 9.075 min Scan# 1187

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 152514

Ion Ratio Lower Upper

196 100

198 99.4 81.8 122.6

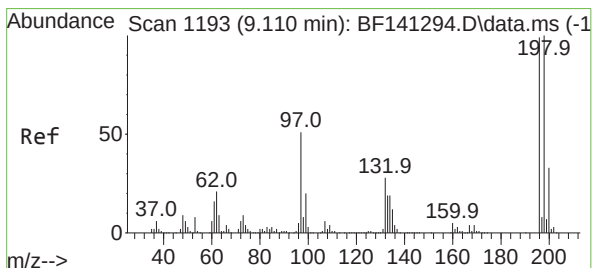
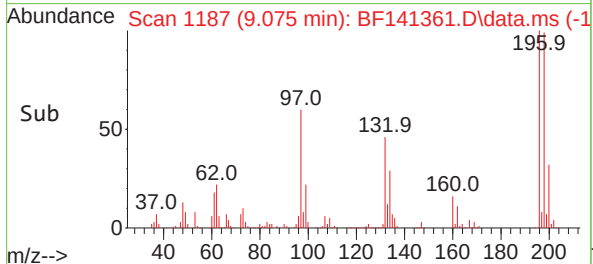
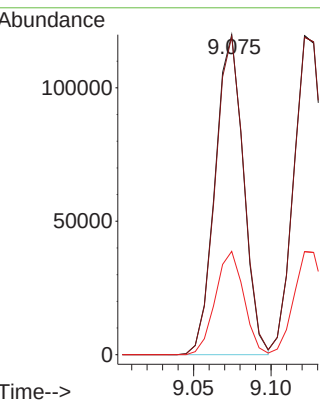
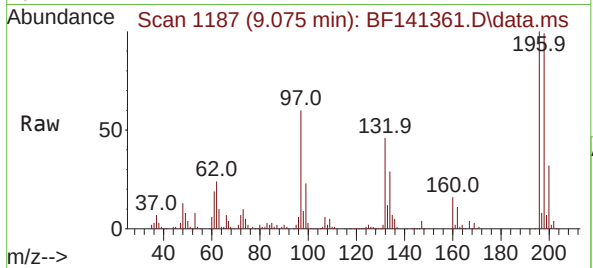
200 32.3 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#44

2,4,5-Trichlorophenol

Concen: 41.031 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Tgt Ion:196 Resp: 165119

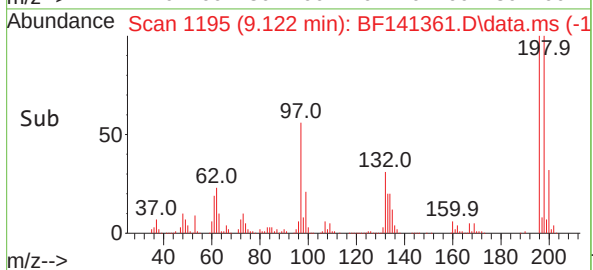
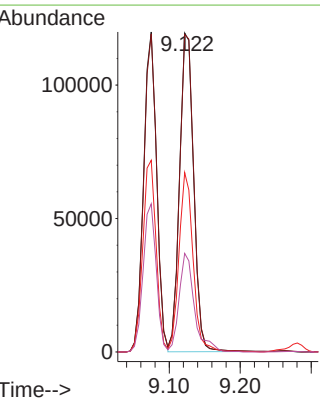
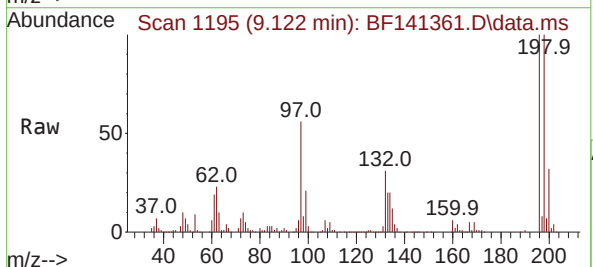
Ion Ratio Lower Upper

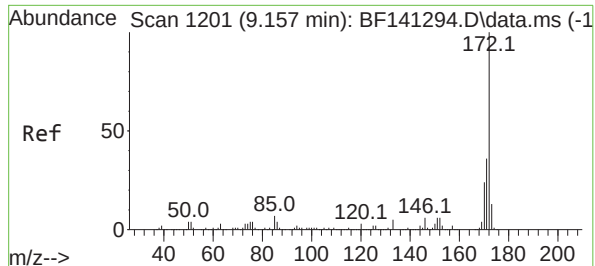
196 100

198 99.5 80.5 120.7

97 56.2 42.8 64.2

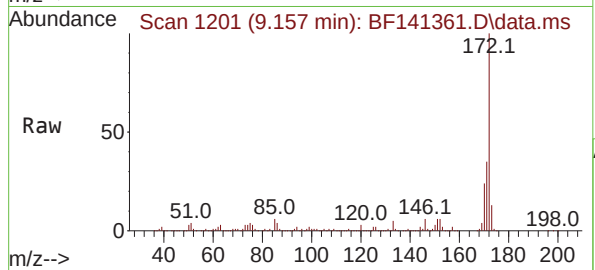
132 30.9 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 80.940 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

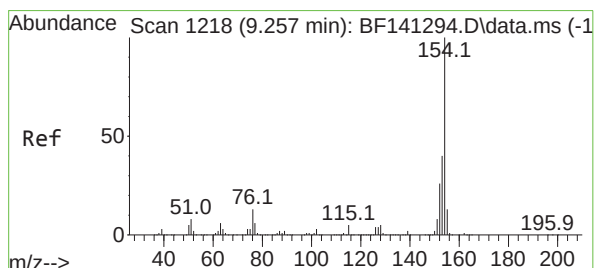
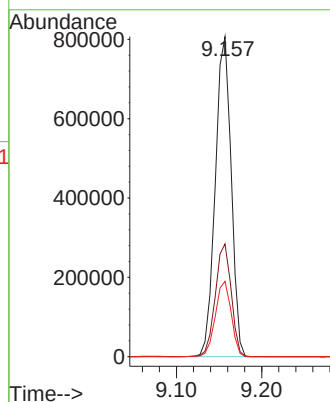
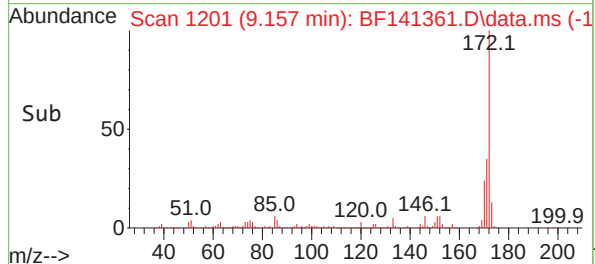
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:172 Resp: 1044178
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.0 28.6

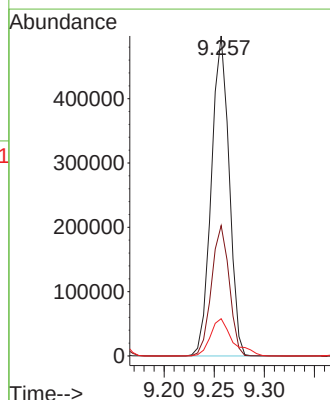
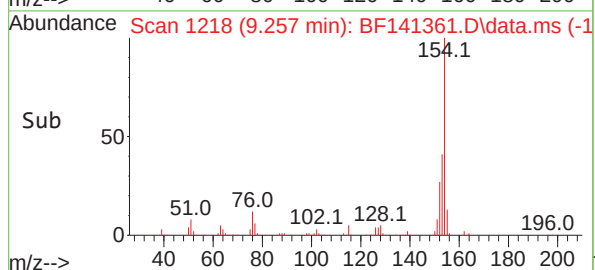
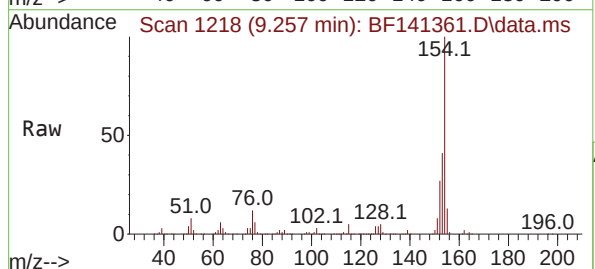
Manual Integrations
APPROVED

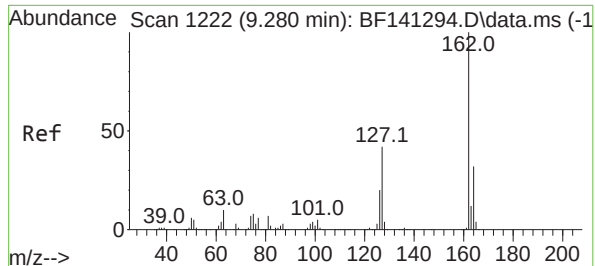
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#46
1,1'-Biphenyl
Concen: 39.699 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:154 Resp: 614766
Ion Ratio Lower Upper
154 100
153 40.8 20.0 60.0
76 11.6 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.740 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 47967

Ion Ratio Lower Upper

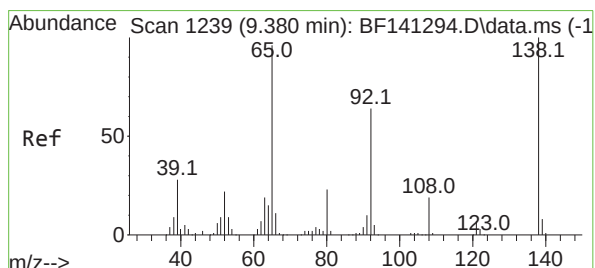
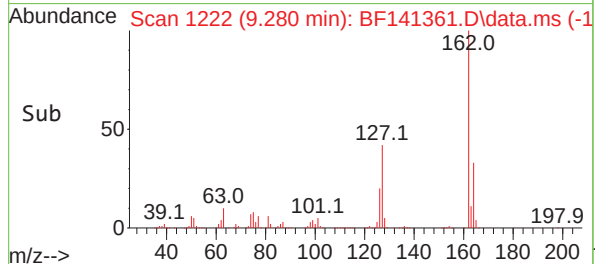
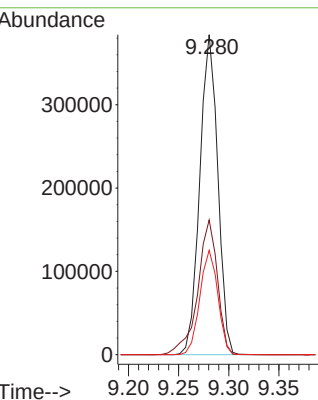
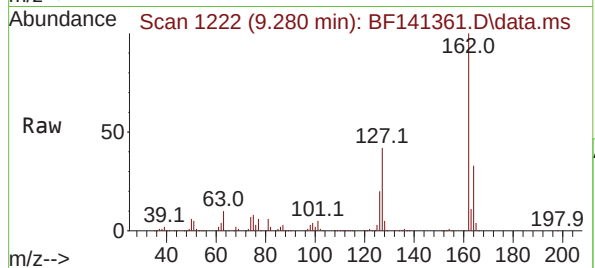
162 100

127 42.1 33.7 50.5

164 32.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#48

2-Nitroaniline

Concen: 41.055 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

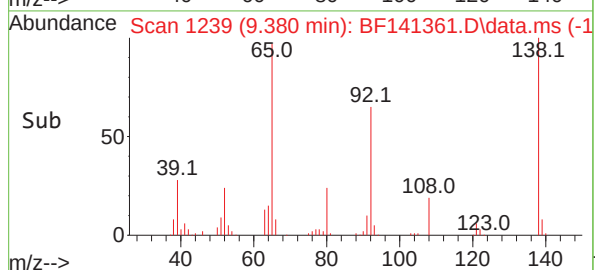
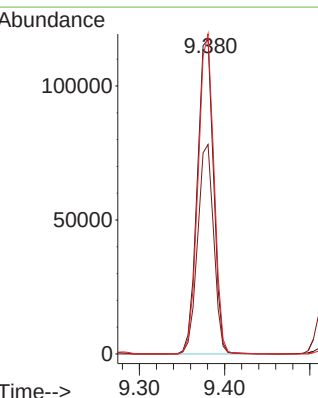
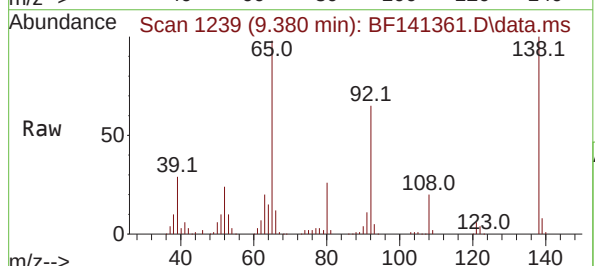
Tgt Ion: 65 Resp: 155868

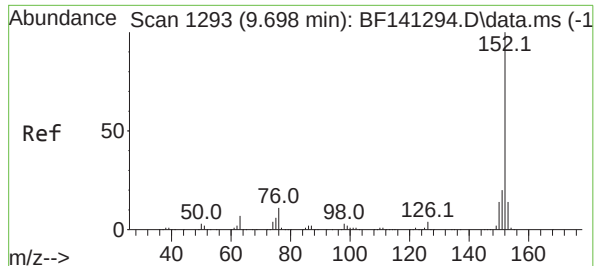
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 101.8 83.6 125.4





#49

Acenaphthylene

Concen: 39.923 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

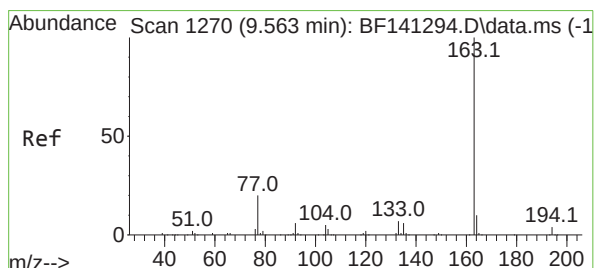
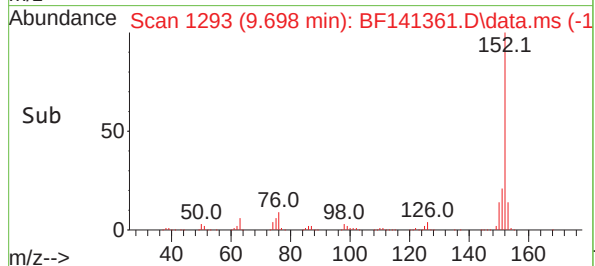
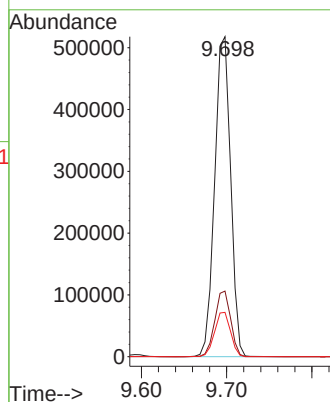
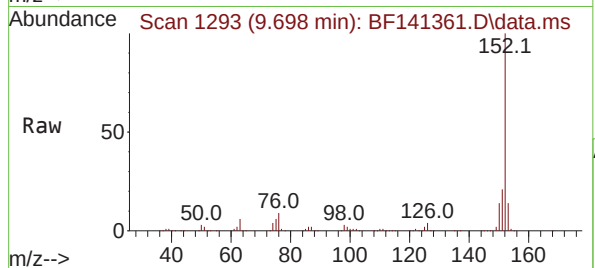
SSTDCCC040

Tgt Ion:152	Resp: 67454
Ion Ratio	Lower Upper
152	100
151	20.5 16.2 24.2
153	13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 40.523 ng

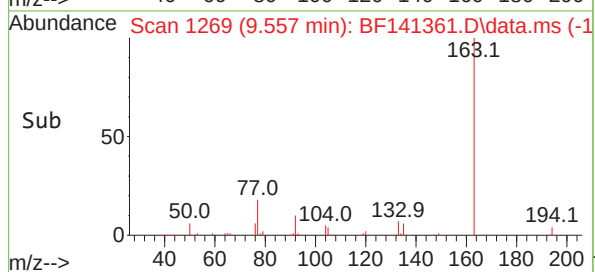
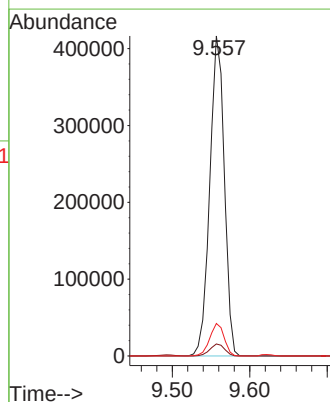
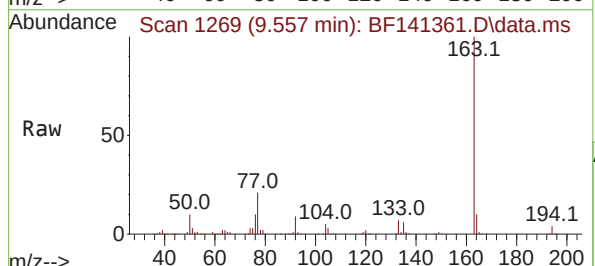
RT: 9.557 min Scan# 1269

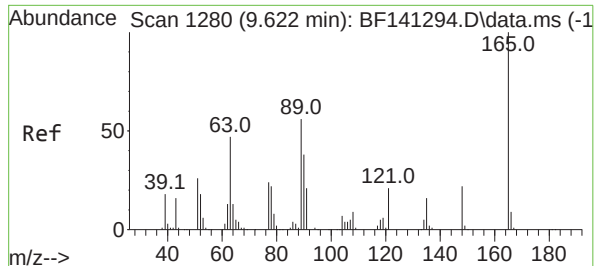
Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

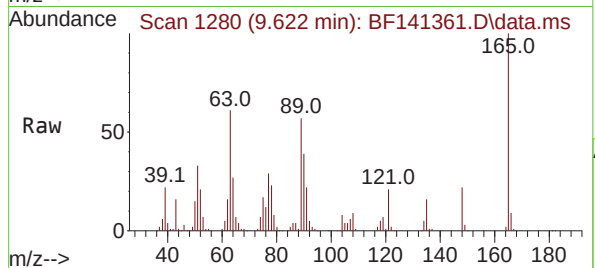
Tgt Ion:163	Resp: 543455
Ion Ratio	Lower Upper
163	100
194	3.7 3.0 4.6
164	10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 40.149 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

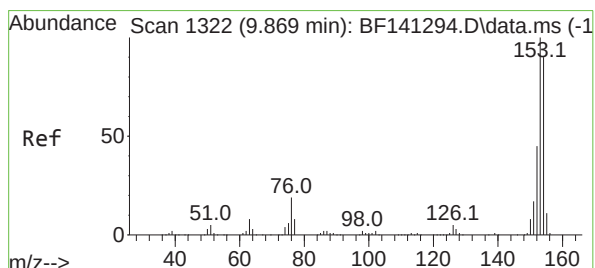
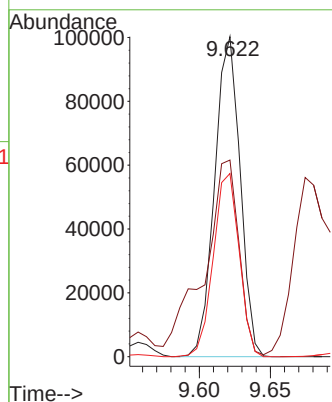
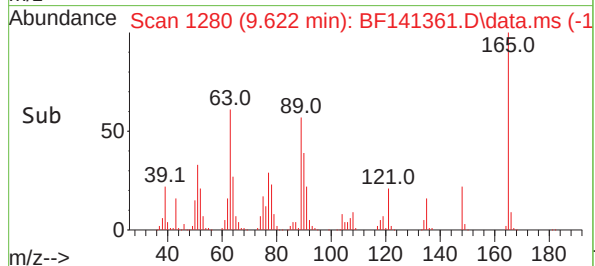
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 125020
Ion Ratio Lower Upper
165 100
63 61.5 48.1 72.1
89 57.2 44.9 67.3

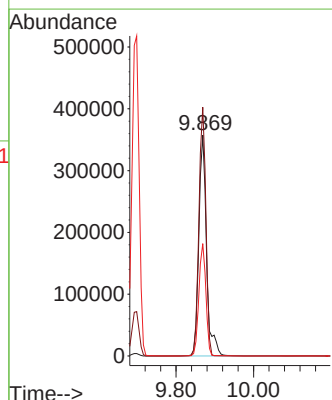
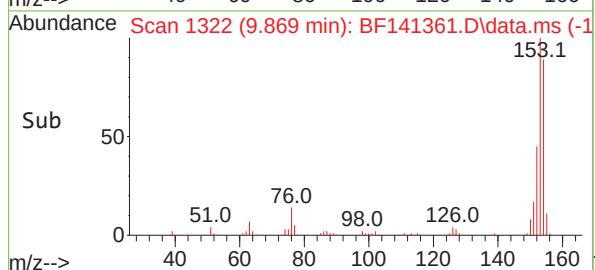
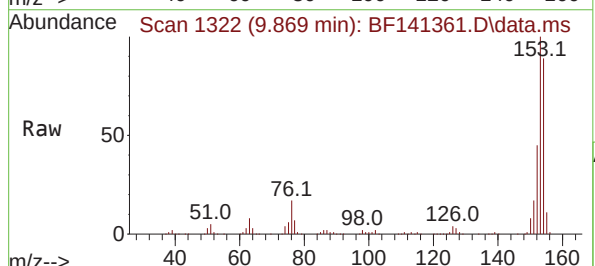
Manual Integrations
APPROVED

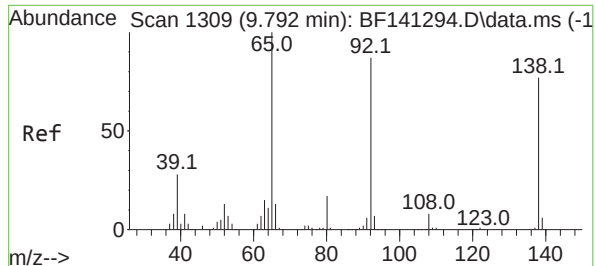
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 40.755 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:154 Resp: 491940
Ion Ratio Lower Upper
154 100
153 112.7 89.0 133.4
152 50.9 40.2 60.4





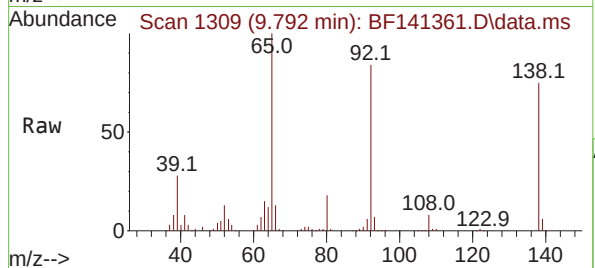
#53
3-Nitroaniline
Concen: 41.859 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

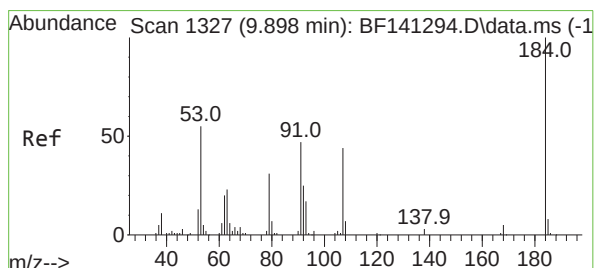
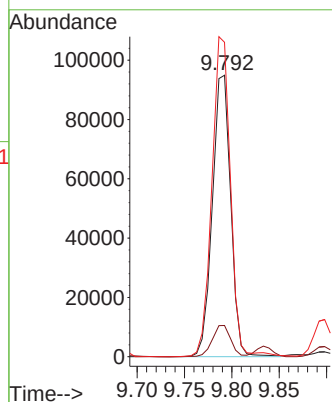
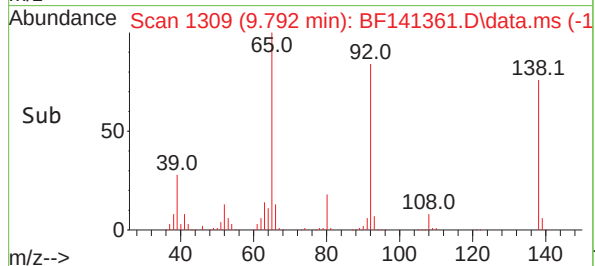


Tgt Ion:138 Resp: 127750
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 111.7 91.0 136.6

Manual Integrations

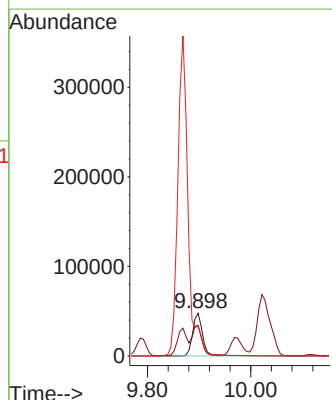
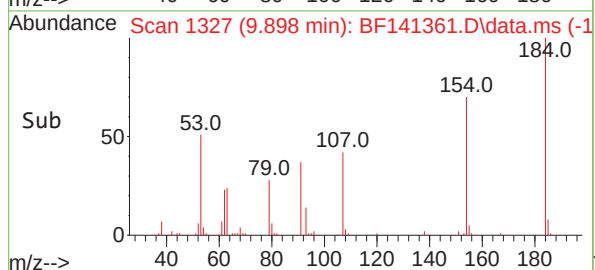
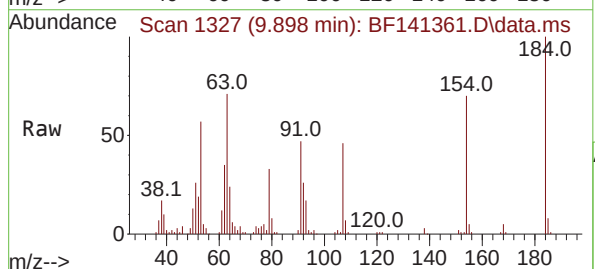
APPROVED

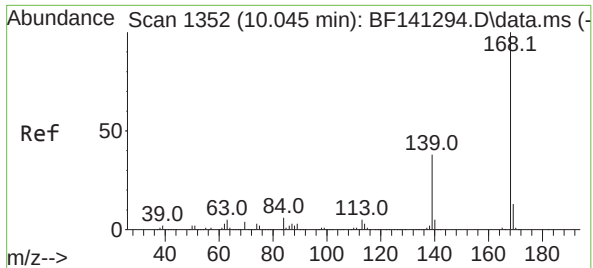
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 44.625 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

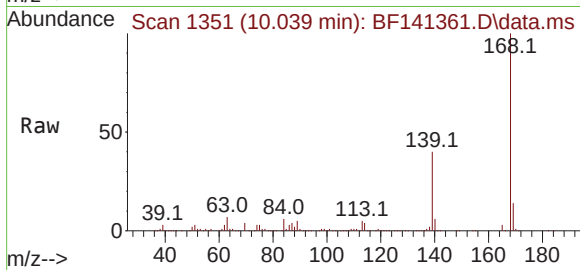
Tgt Ion:184 Resp: 64595
Ion Ratio Lower Upper
184 100
63 71.2 54.1 81.1
154 70.4 50.7 76.1





#55
Dibenzenofuran
Concen: 40.548 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

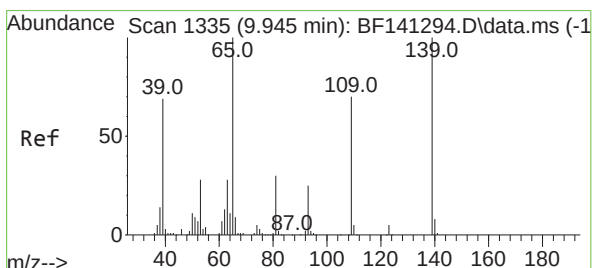
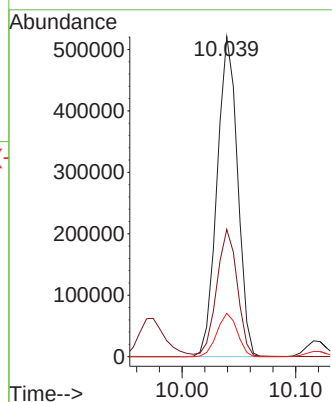
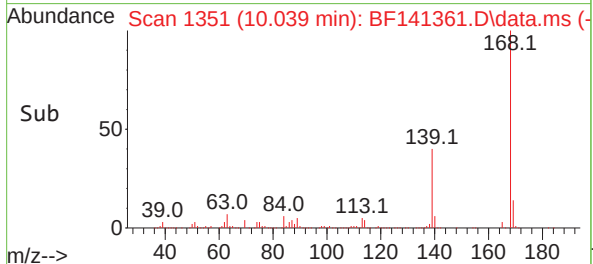
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 655150
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 13.6 10.8 16.2

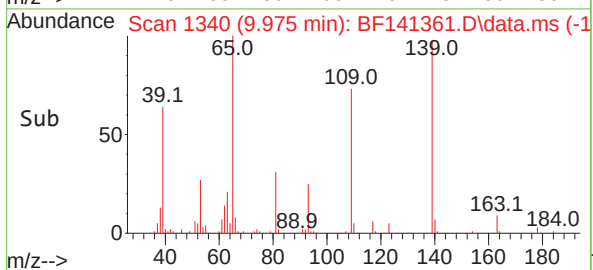
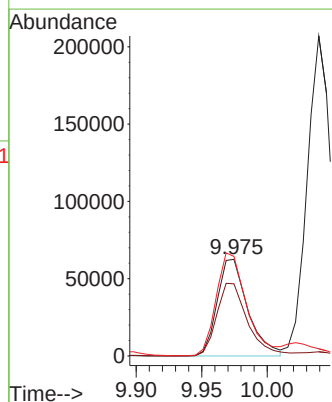
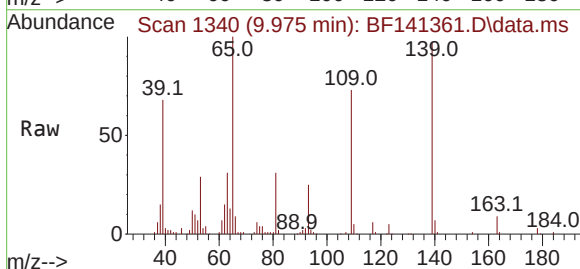
Manual Integrations
APPROVED

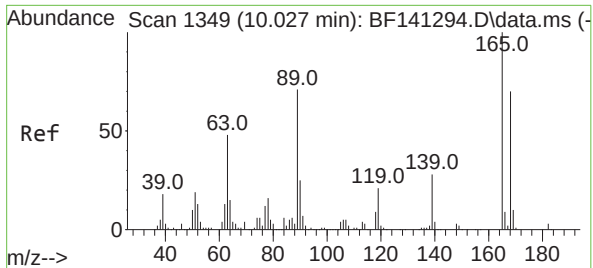
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 45.471 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

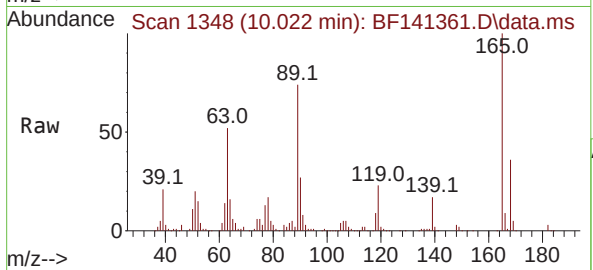
Tgt Ion:139 Resp: 101492
Ion Ratio Lower Upper
139 100
109 74.6 50.2 90.2
65 102.9 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 41.946 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

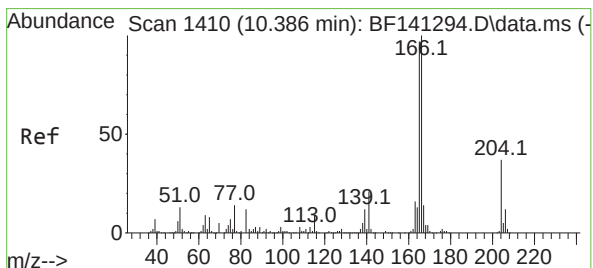
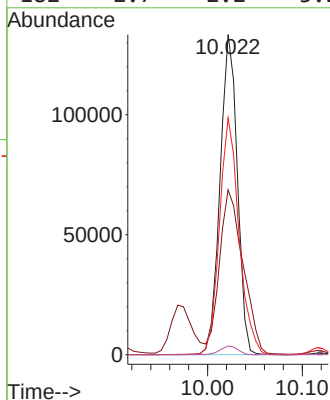
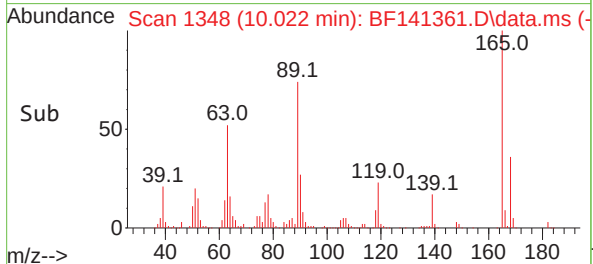
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



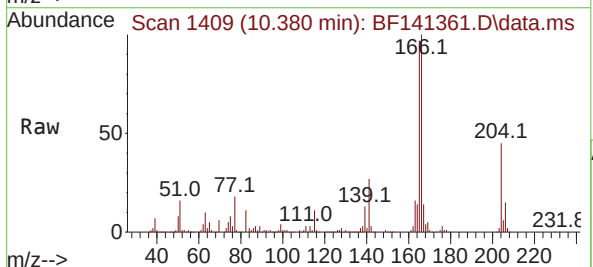
Tgt Ion:165 Resp: 169109
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 74.0 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
APPROVED

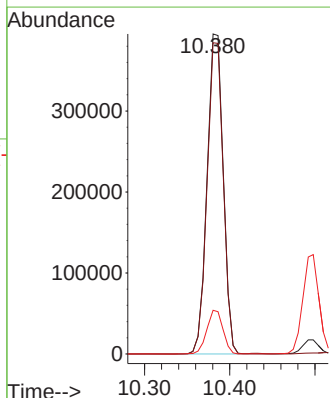
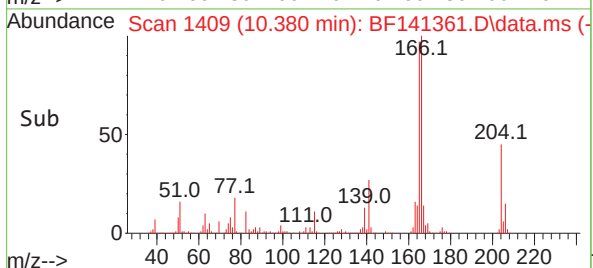
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

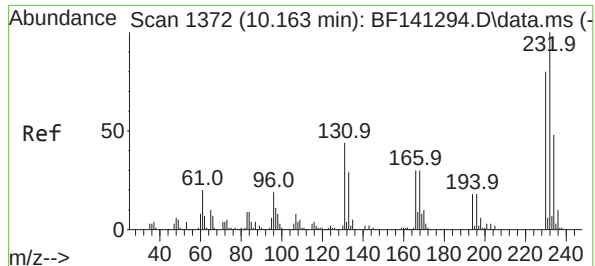


#58
Fluorene
Concen: 41.554 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



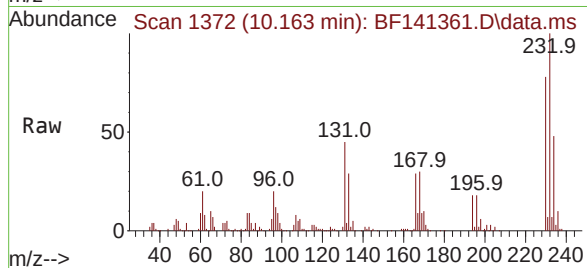
Tgt Ion:166 Resp: 520788
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.892 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

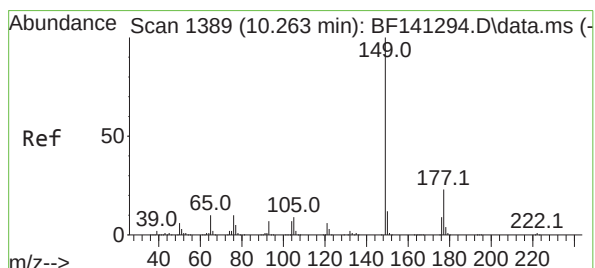
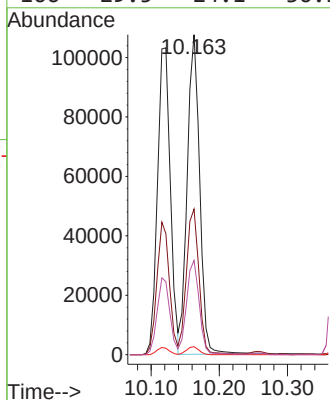
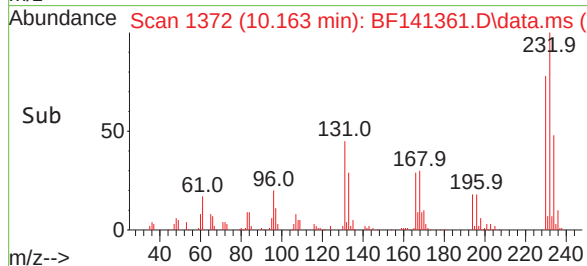
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



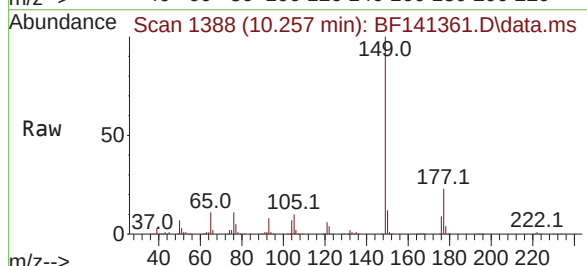
Tgt Ion:232 Resp: 135791
Ion Ratio Lower Upper
232 100
131 46.0 36.4 54.6
130 2.5 1.9 2.9
166 29.5 24.1 36.1

Manual Integrations
APPROVED

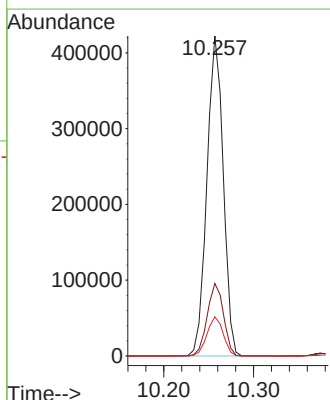
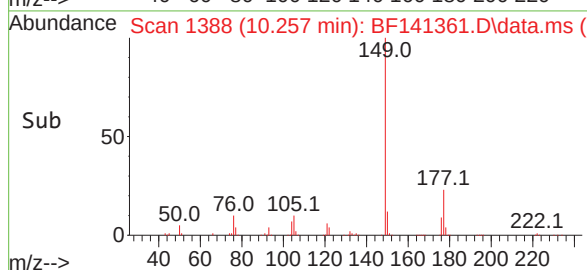
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

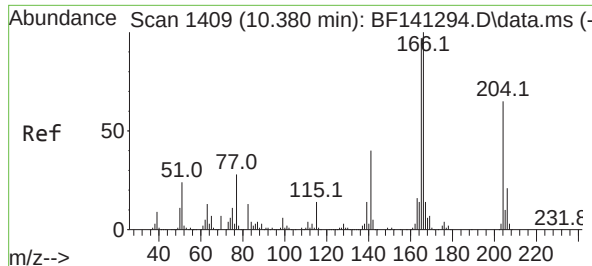


#60
Diethylphthalate
Concen: 41.025 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:149 Resp: 533471
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.2 10.0 15.0





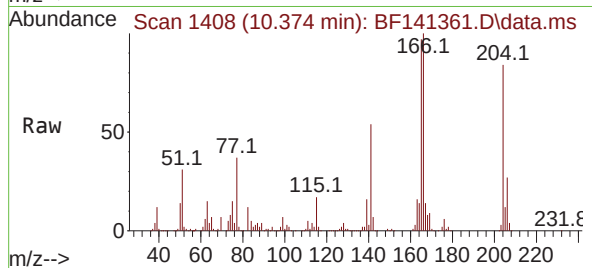
#61
4-Chlorophenyl-phenylether
Concen: 41.170 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

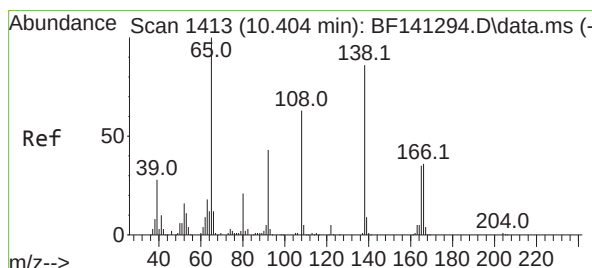
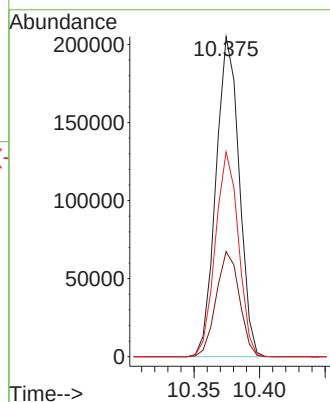
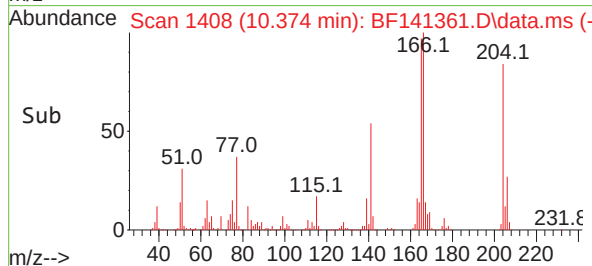


Tgt Ion:204 Resp: 252040
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 64.0 49.5 74.3

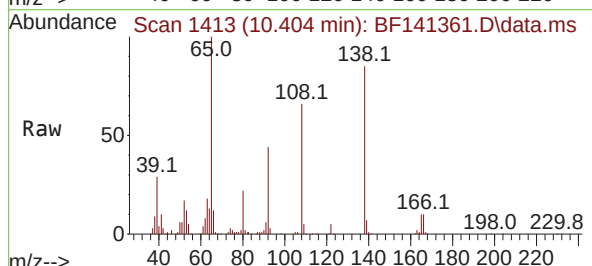
Manual Integrations

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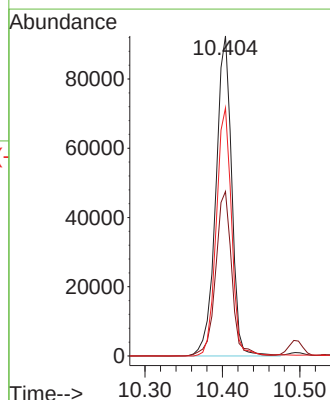
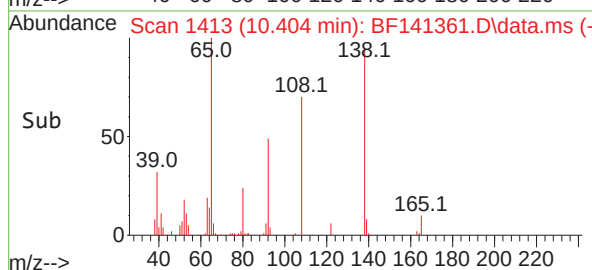
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

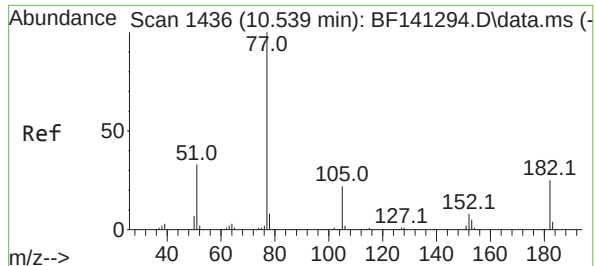


#62
4-Nitroaniline
Concen: 43.865 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:138 Resp: 131617
Ion Ratio Lower Upper
138 100
92 51.4 30.1 70.1
108 77.5 53.1 93.1





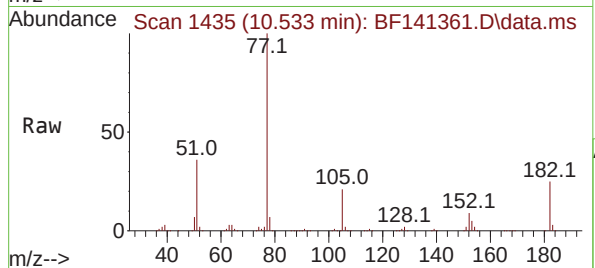
#63
Azobenzene
Concen: 40.048 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

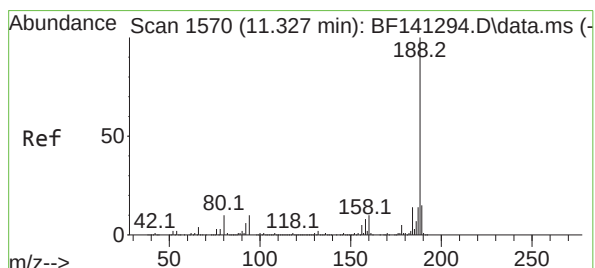
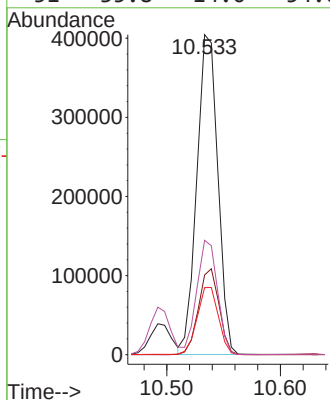
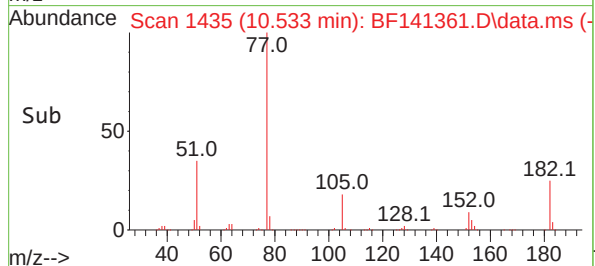


Tgt Ion: 77 Resp: 521272
Ion Ratio Lower Upper
77 100
182 24.9 5.1 45.1
105 20.9 1.8 41.8
51 35.8 14.0 54.0

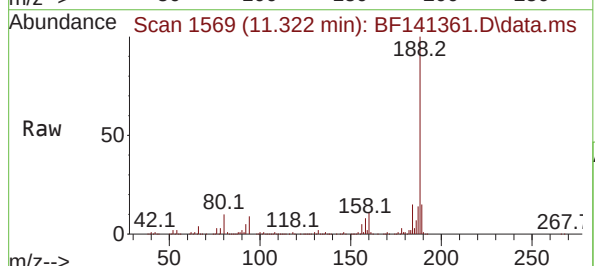
Manual Integrations

APPROVED

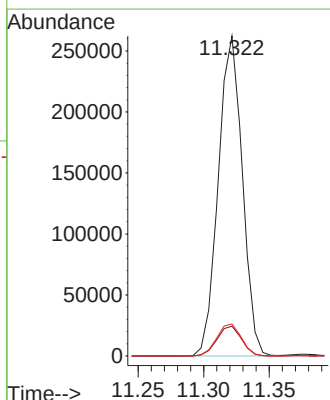
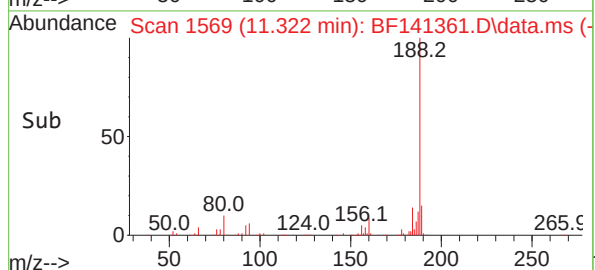
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

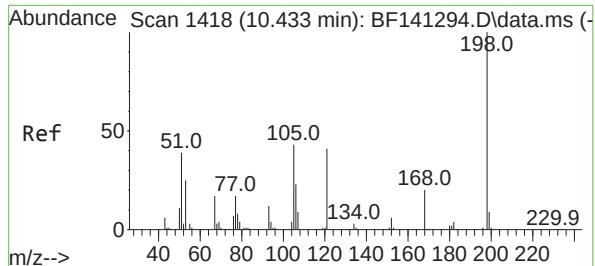


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:188 Resp: 334466
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.6
80 10.0 8.2 12.4





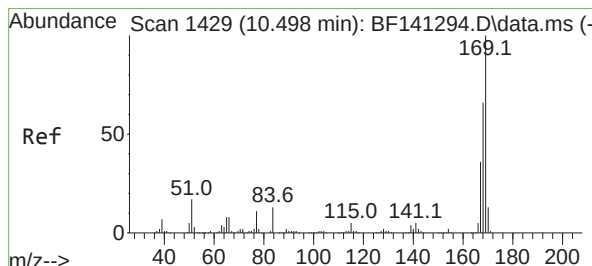
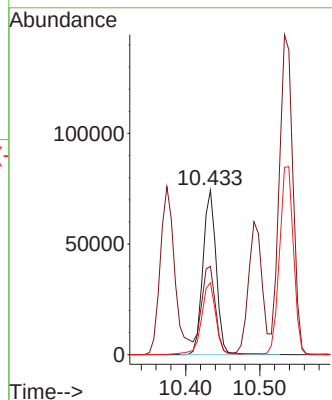
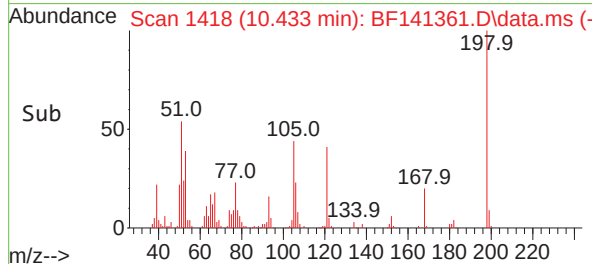
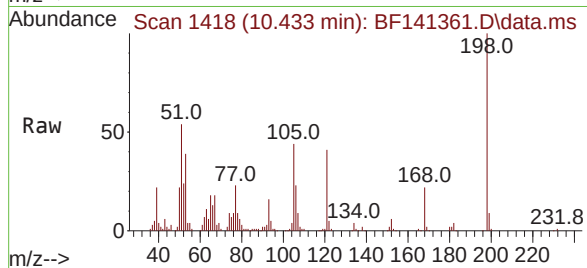
#65
4,6-Dinitro-2-methylphenol
Concen: 46.869 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 92720
Ion Ratio Lower Upper
198 100
51 53.7 33.4 73.4
105 43.7 24.4 64.4

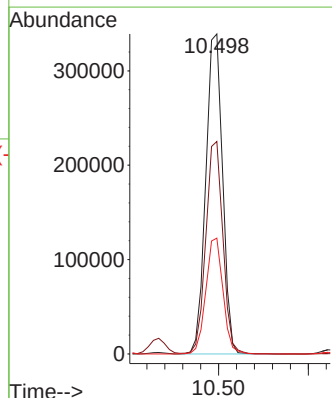
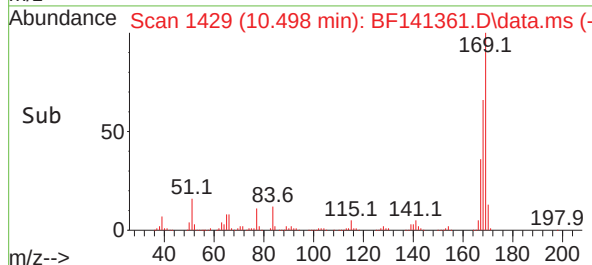
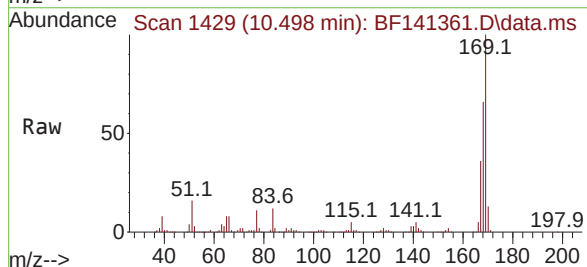
Manual Integrations
APPROVED

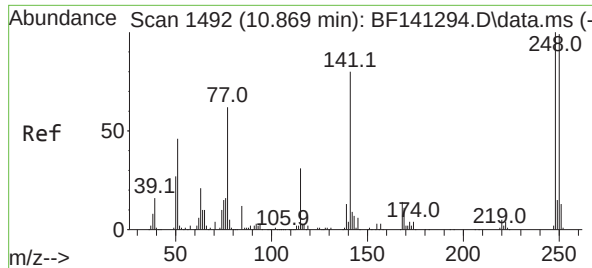
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 40.682 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:169 Resp: 440088
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.4
167 36.2 28.8 43.2





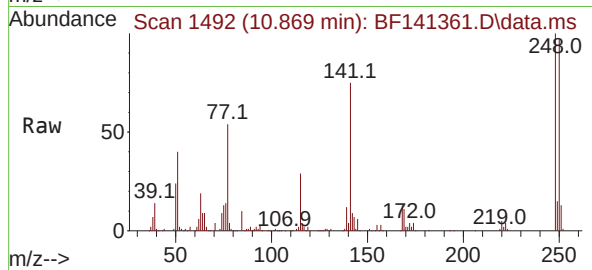
#67
4-Bromophenyl-phenylether
Concen: 41.715 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

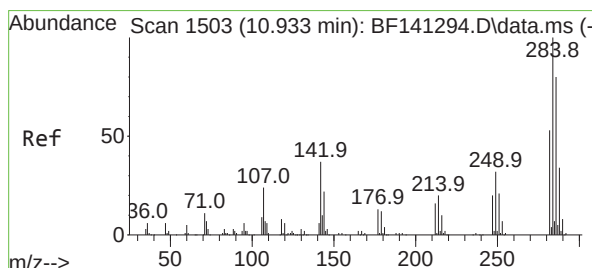
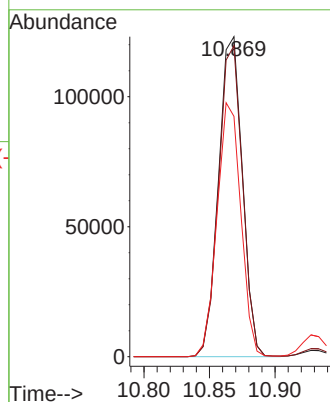
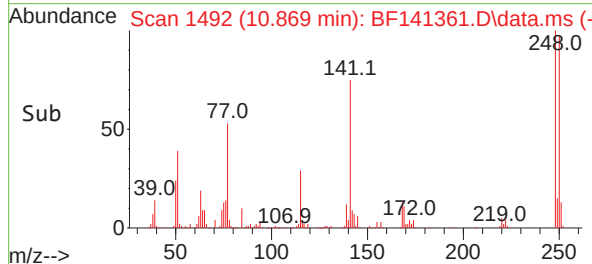


Tgt Ion:248 Resp: 156199
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.4
141 75.1 63.7 95.5

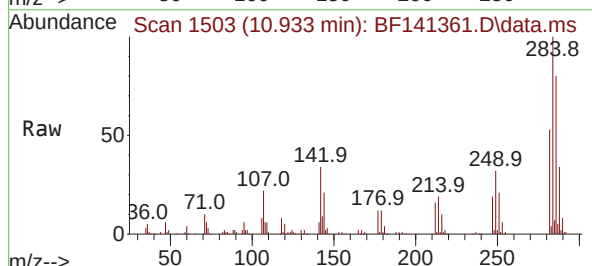
Manual Integrations

APPROVED

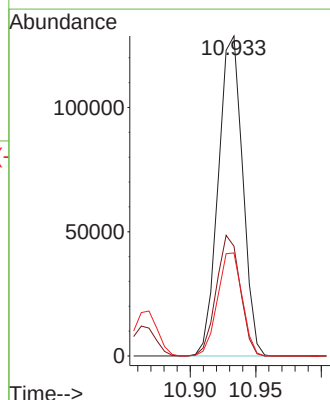
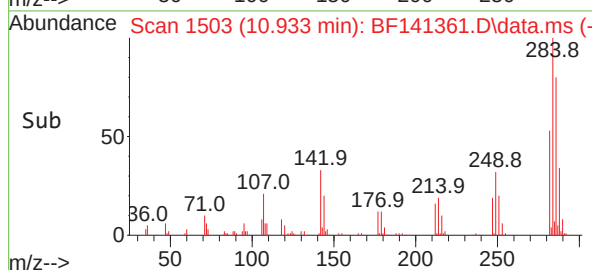
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

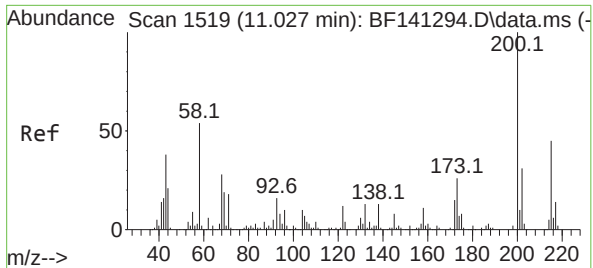


#68
Hexachlorobenzene
Concen: 41.866 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:284 Resp: 166289
Ion Ratio Lower Upper
284 100
142 34.3 29.5 44.3
249 32.2 25.4 38.2





#69

Atrazine

Concen: 39.975 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 14458

Ion Ratio Lower Upper

200 100

173 24.9 5.9 45.9

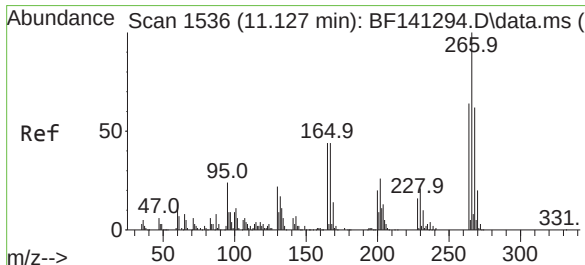
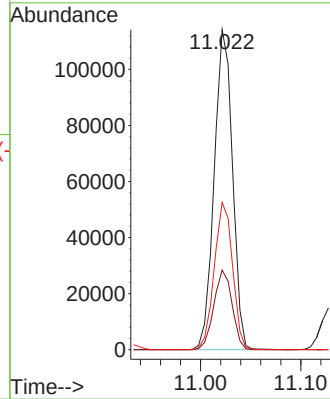
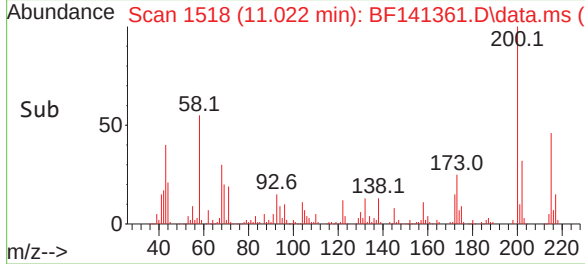
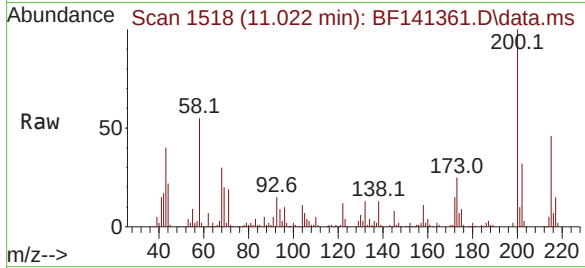
215 46.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 43.745 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

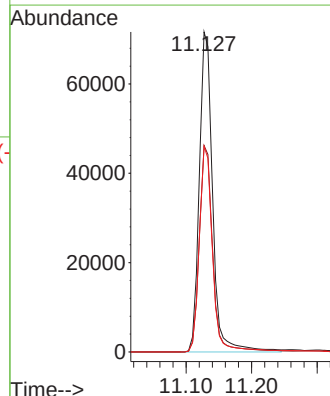
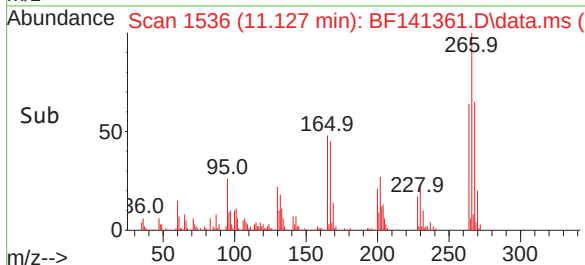
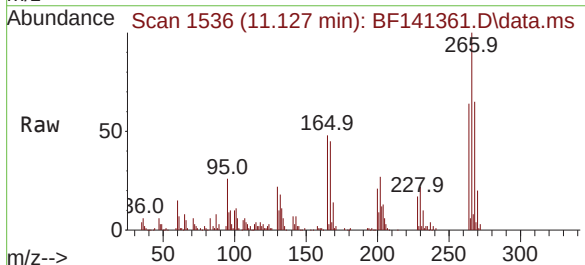
Tgt Ion:266 Resp: 101747

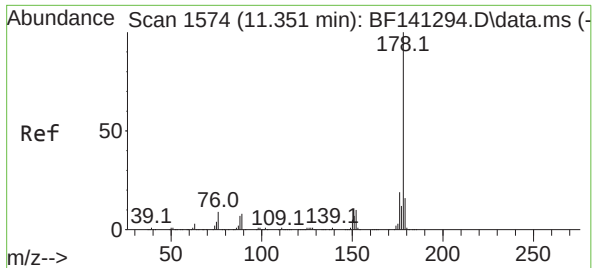
Ion Ratio Lower Upper

266 100

268 64.5 49.9 74.9

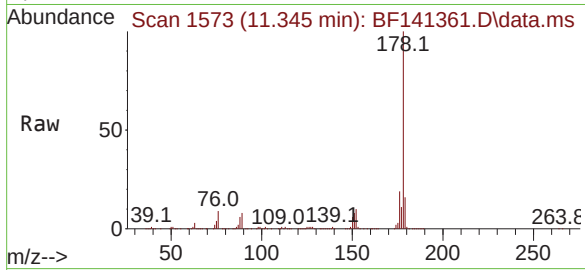
264 64.2 51.0 76.4





#71
Phenanthrene
Concen: 42.056 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

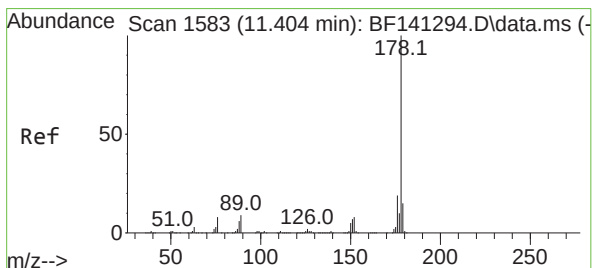
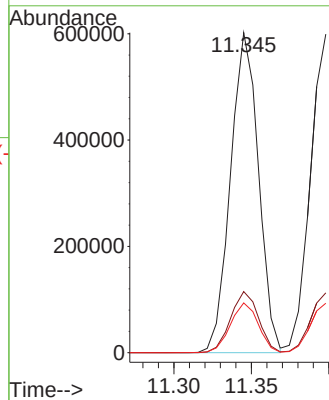
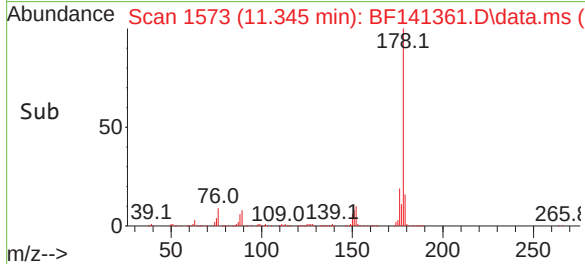
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



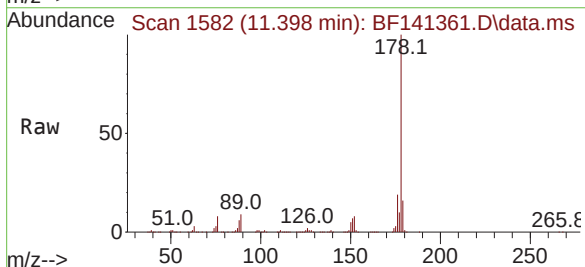
Tgt Ion:178 Resp: 756115
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

Manual Integrations
APPROVED

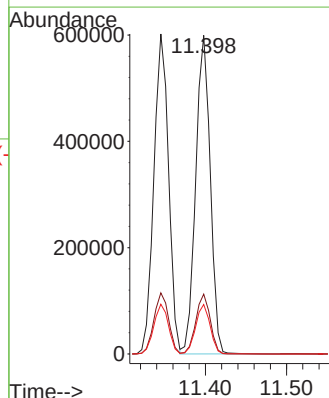
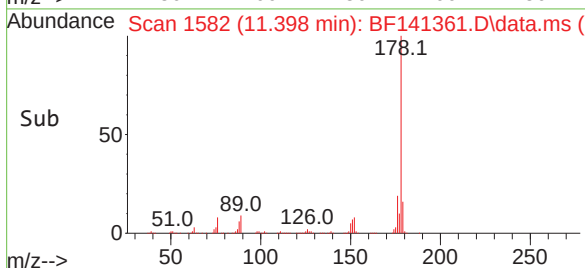
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

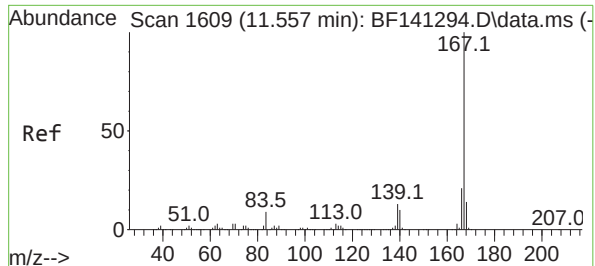


#72
Anthracene
Concen: 42.420 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:178 Resp: 747273
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.3 18.5





#73

Carbazole

Concen: 44.227 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:167 Resp: 69085

Ion Ratio Lower Upper

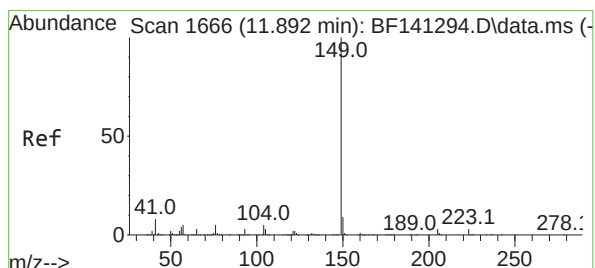
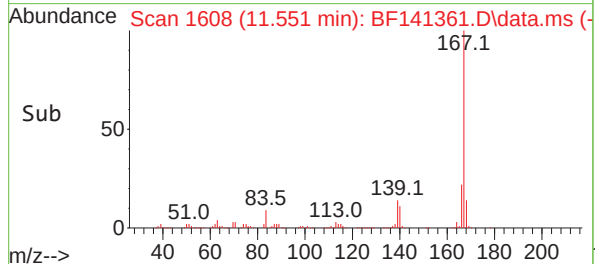
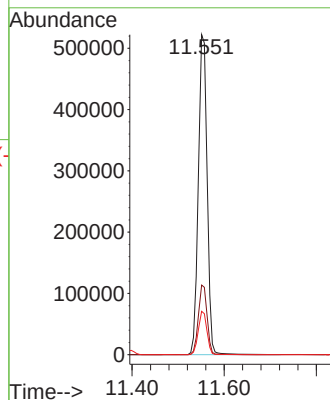
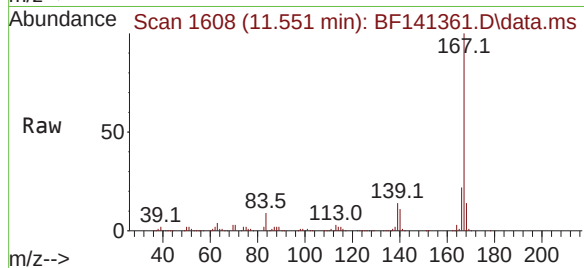
167 100

166 21.8 17.0 25.6

139 13.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#74

Di-n-butylphthalate

Concen: 43.100 ng

RT: 11.886 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

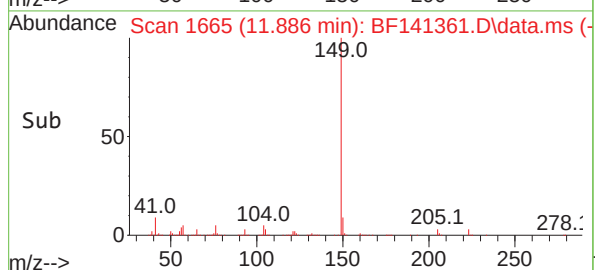
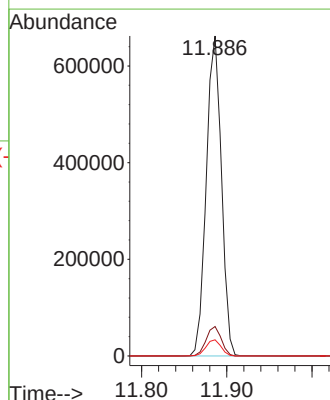
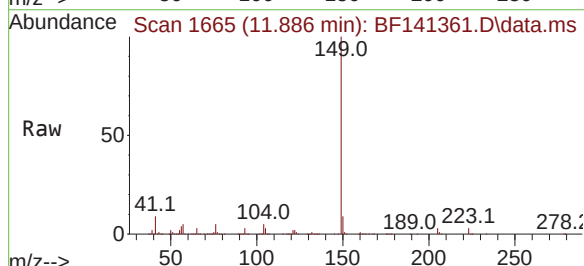
Tgt Ion:149 Resp: 815911

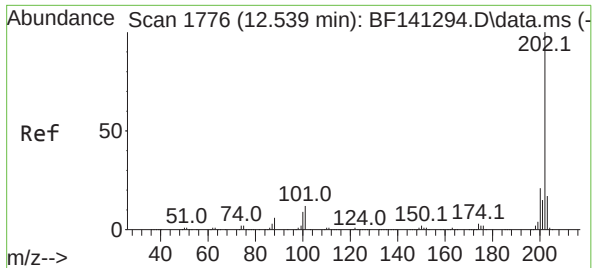
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

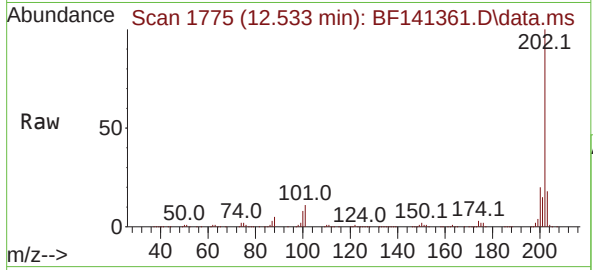
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 45.626 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

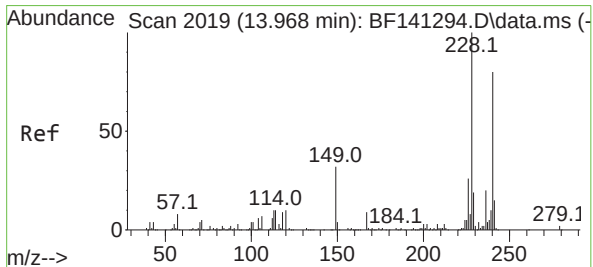
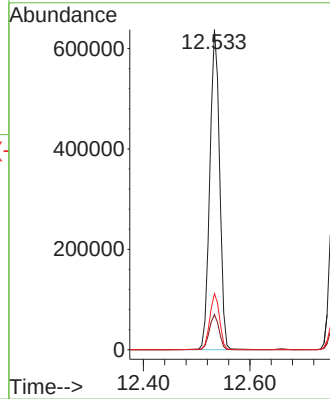
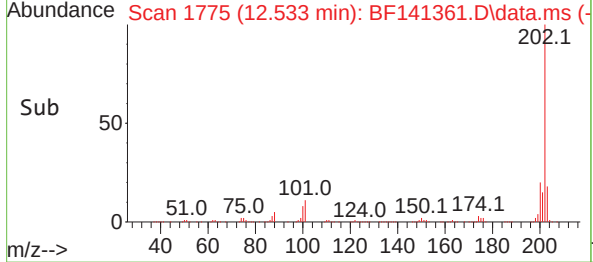
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 809964
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.7
203 17.5 0.0 37.5

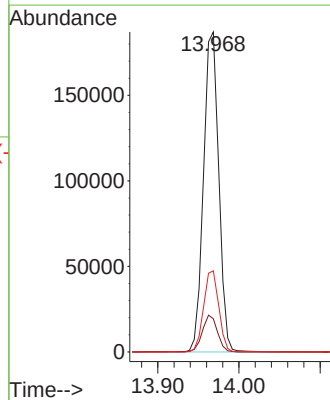
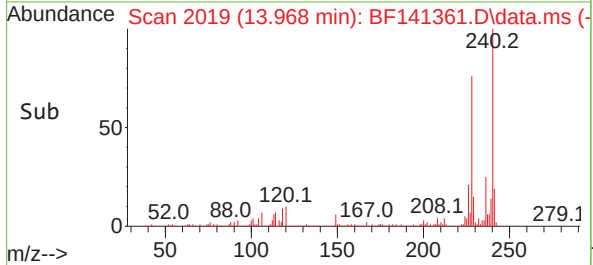
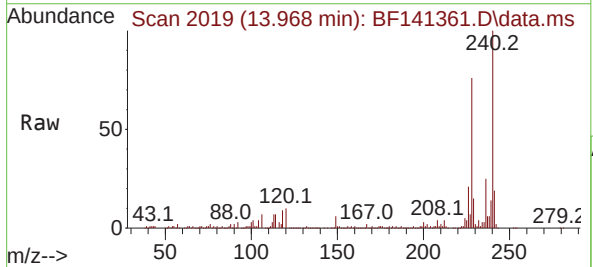
Manual Integrations
APPROVED

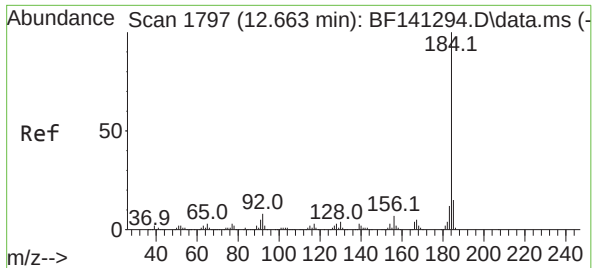
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

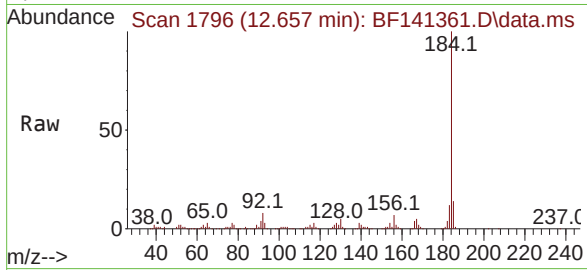
Tgt Ion:240 Resp: 243574
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.4 19.7 29.5





#77
Benzidine
Concen: 39.082 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

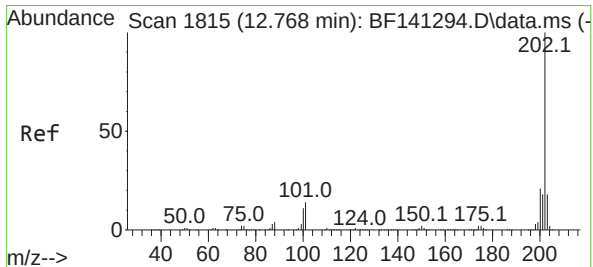
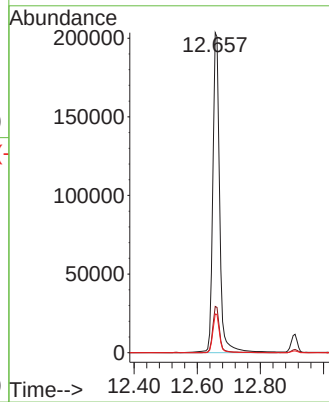
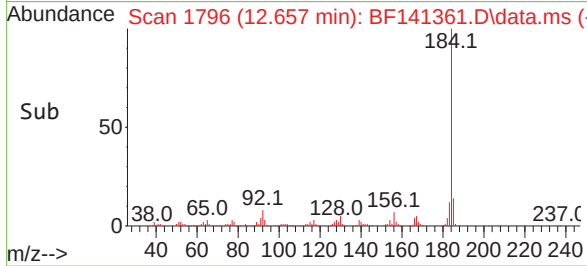
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 305172
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 12.1 9.5 14.3

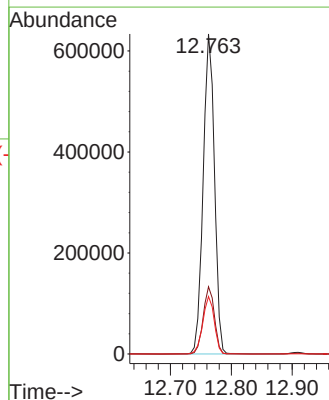
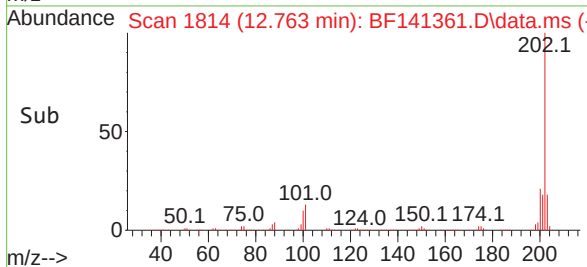
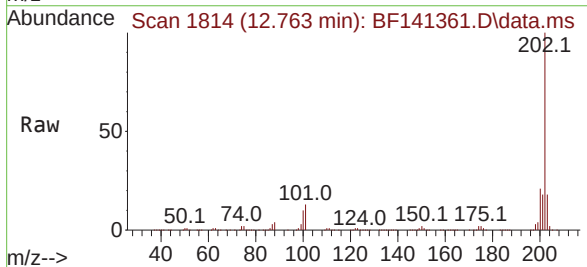
Manual Integrations
APPROVED

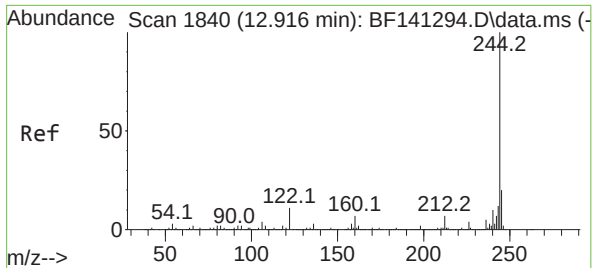
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 34.986 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:202 Resp: 817992
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.0 14.3 21.5





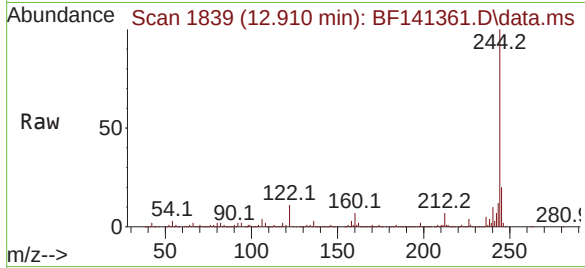
#79
Terphenyl-d14
Concen: 70.570 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

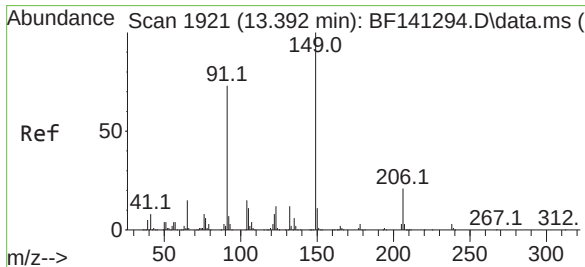
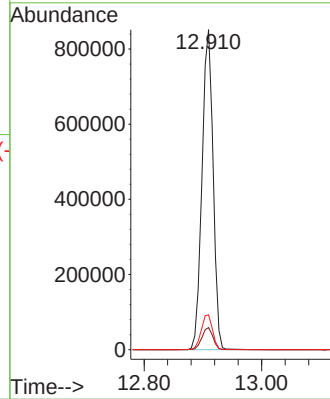
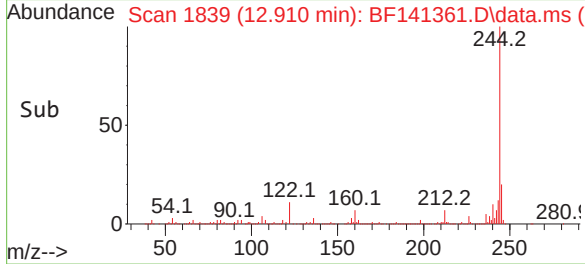


Tgt Ion:244 Resp: 111459
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 10.9 8.8 13.2

Manual Integrations

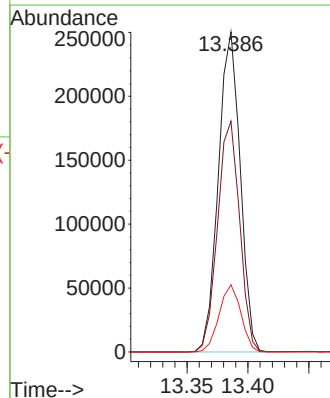
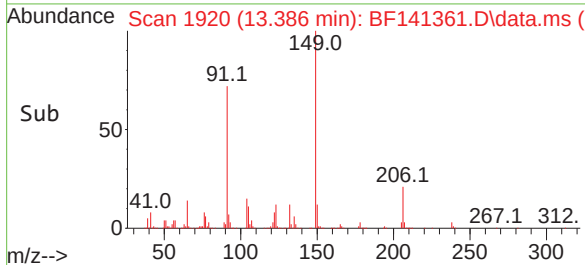
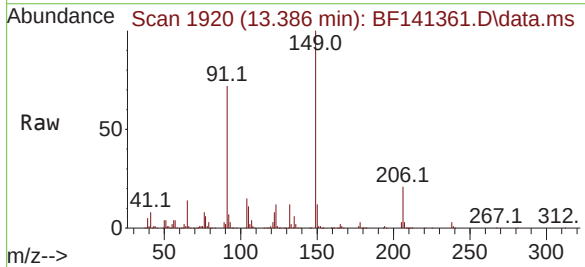
APPROVED

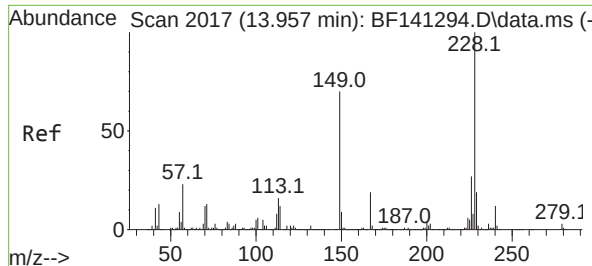
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#80
Butylbenzylphthalate
Concen: 38.308 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:149 Resp: 312910
Ion Ratio Lower Upper
149 100
91 72.1 58.6 87.8
206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 38.325 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141361.D

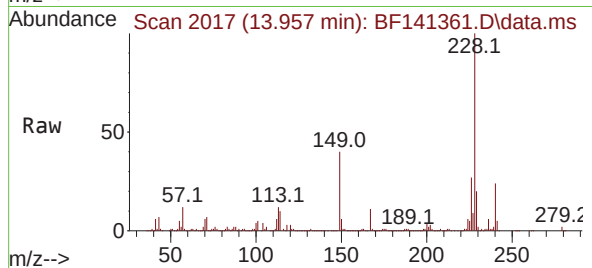
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:228 Resp: 64416

Ion Ratio Lower Upper

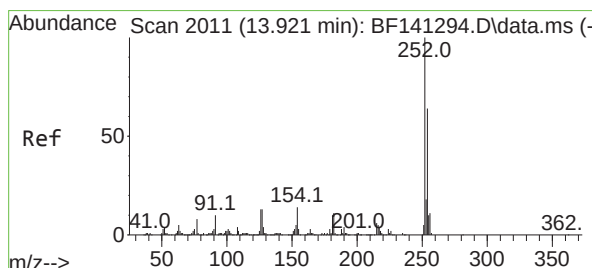
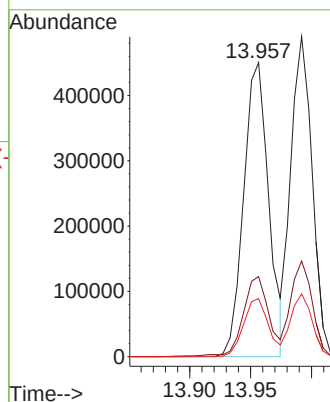
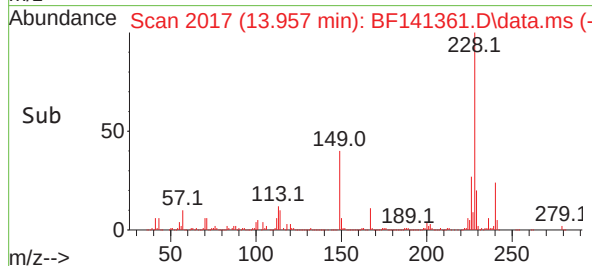
228 100

226 27.3 21.4 32.2

229 19.8 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#82

3,3'-Dichlorobenzidine

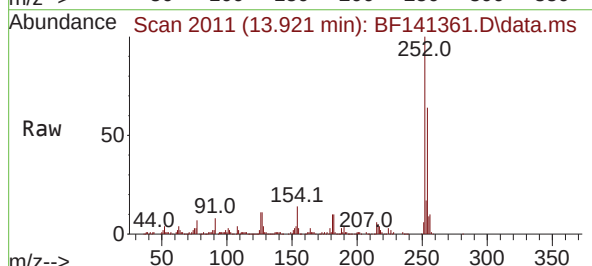
Concen: 39.687 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



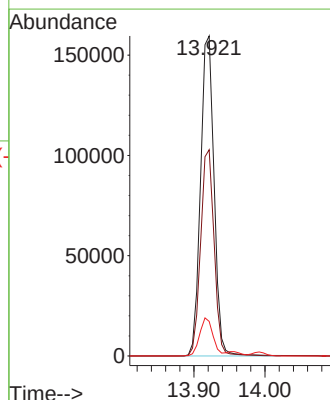
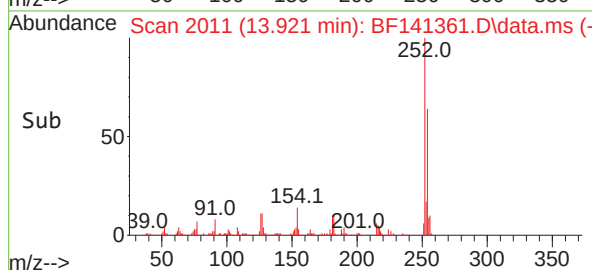
Tgt Ion:252 Resp: 212156

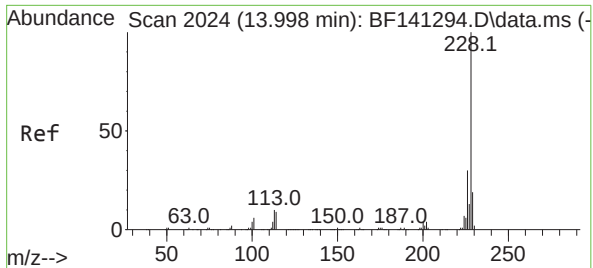
Ion Ratio Lower Upper

252 100

254 64.5 51.3 76.9

126 10.8 10.0 15.0





#83

Chrysene

Concen: 39.050 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 601529

Ion Ratio Lower Upper

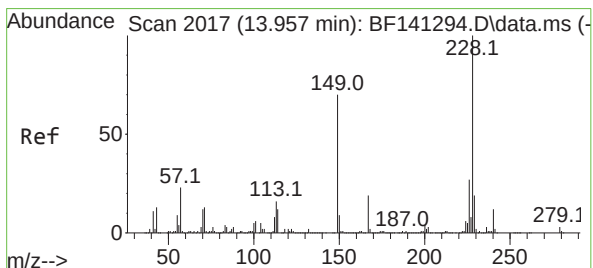
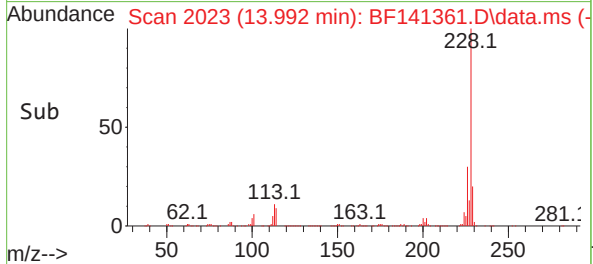
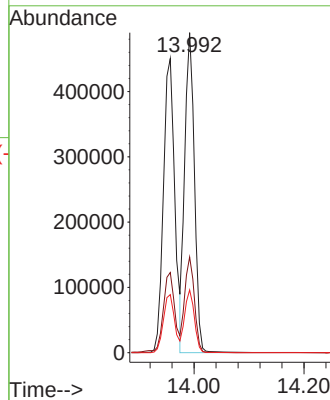
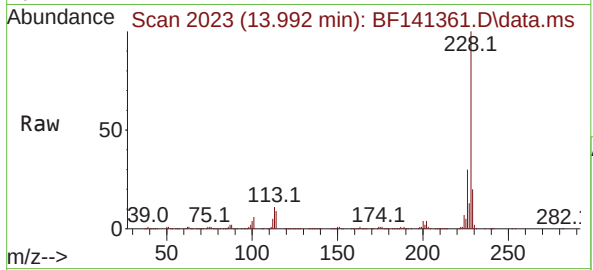
228 100

226 29.9 24.1 36.1

229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 42.145 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

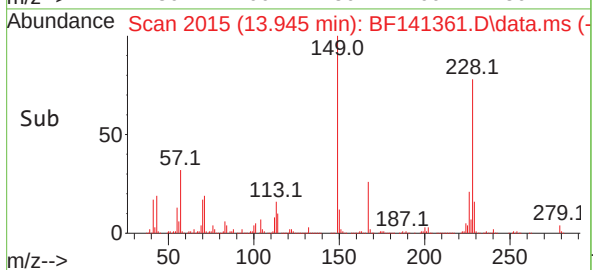
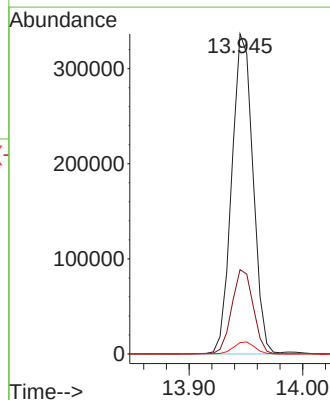
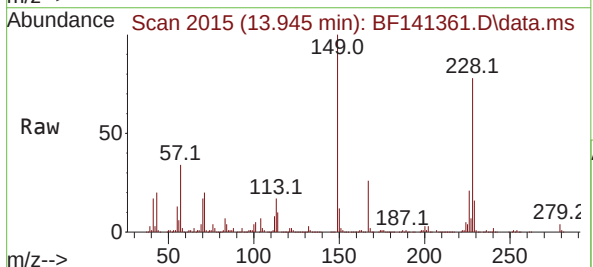
Tgt Ion:149 Resp: 436692

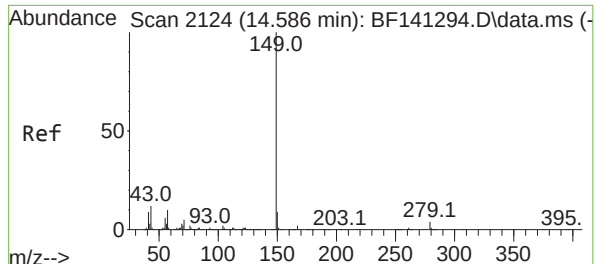
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 44.516 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 716424

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

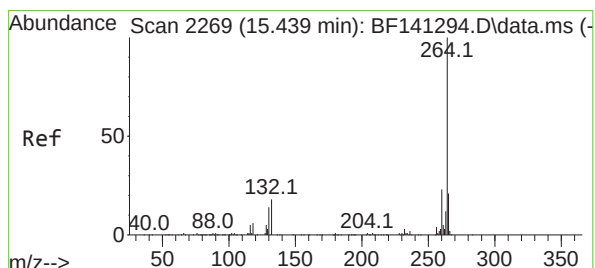
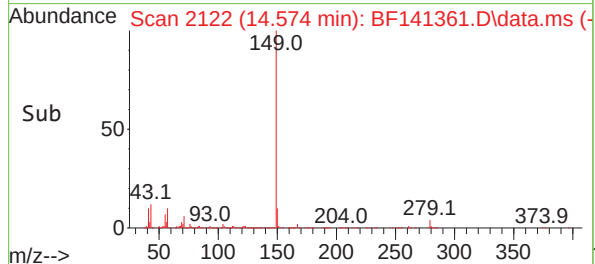
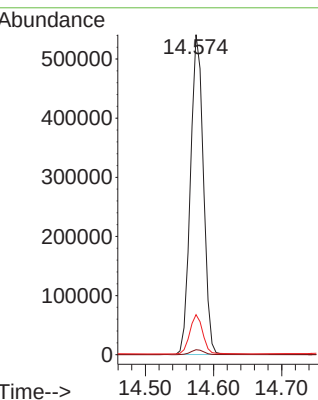
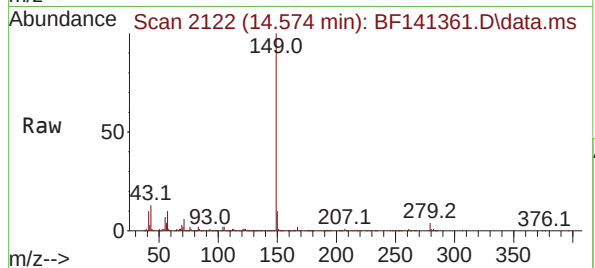
43 12.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

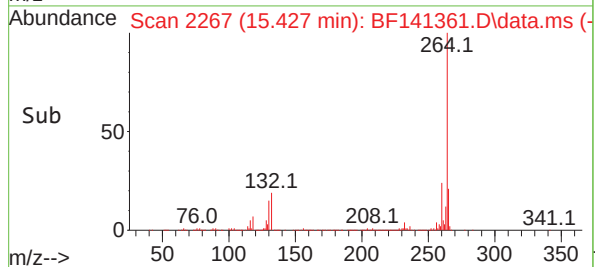
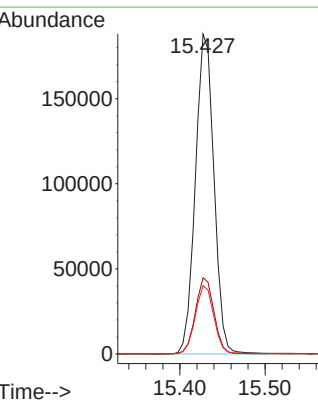
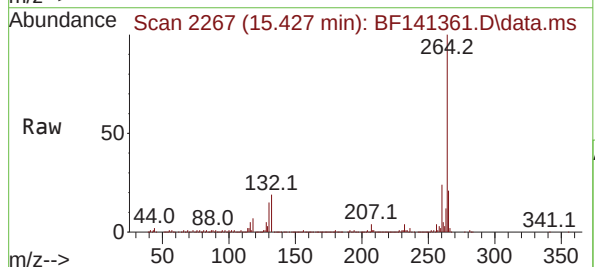
Tgt Ion:264 Resp: 284769

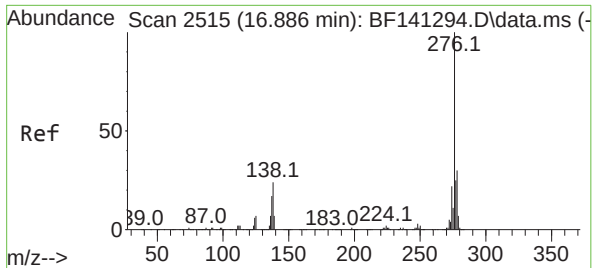
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.4 16.7 25.1





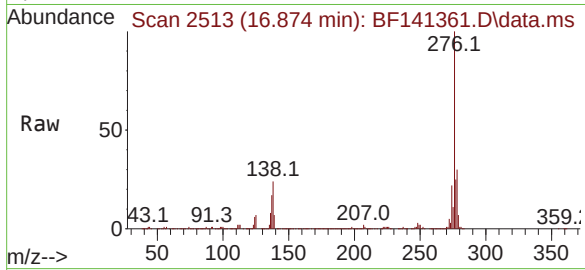
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.334 ng
RT: 16.874 min Scan# 2196
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

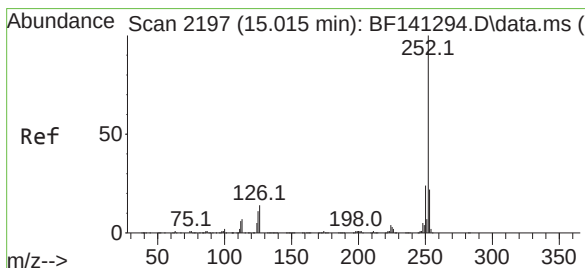
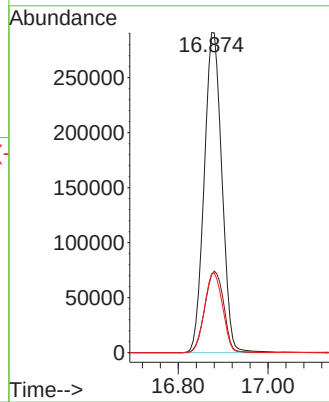
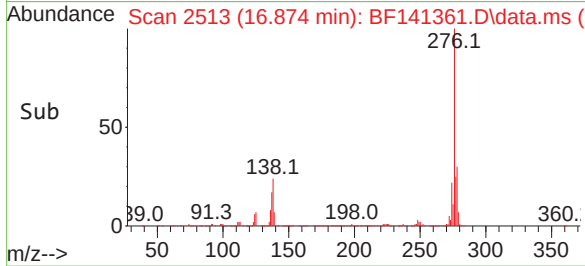


Tgt Ion:276 Resp: 79646
Ion Ratio Lower Upper
276 100
138 27.2 21.7 32.5
277 25.6 20.3 30.5

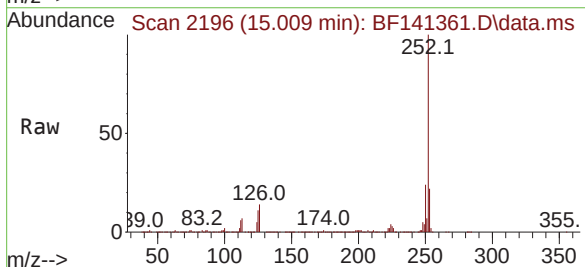
Manual Integrations

APPROVED

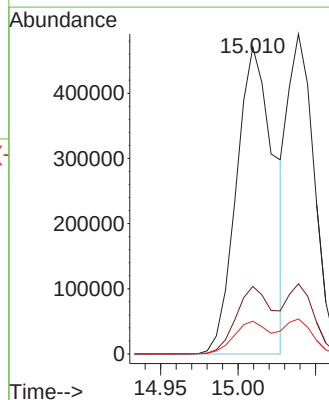
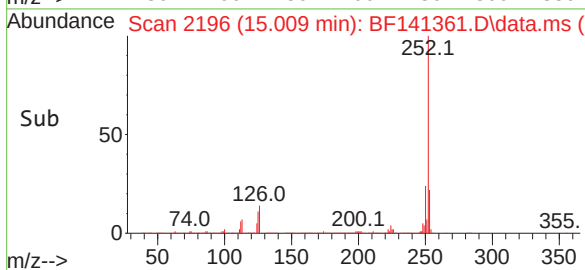
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

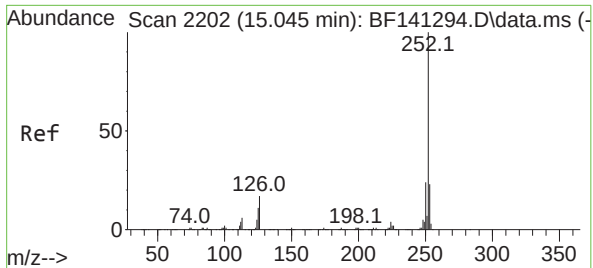


#88
Benzo(b)fluoranthene
Concen: 44.175 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:252 Resp: 791291
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 36.950 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 58634

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

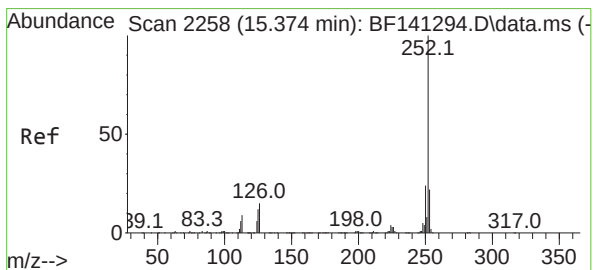
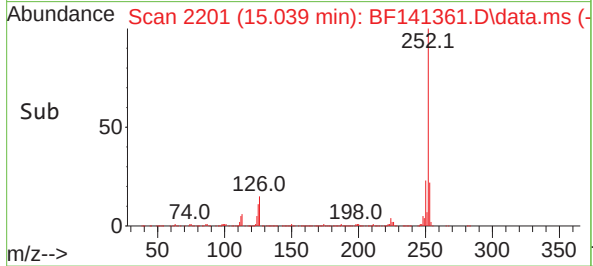
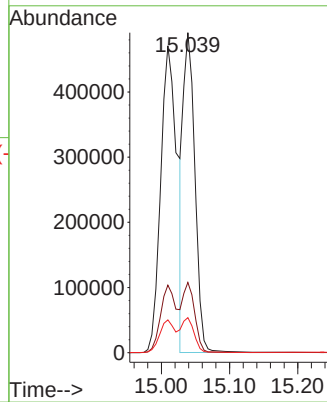
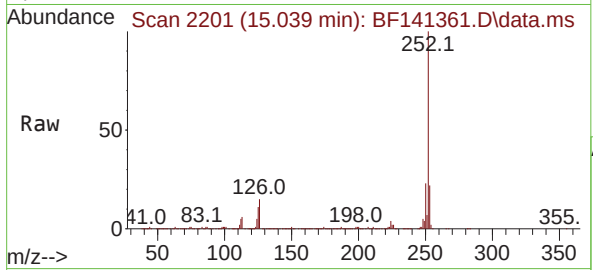
125 10.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 41.504 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

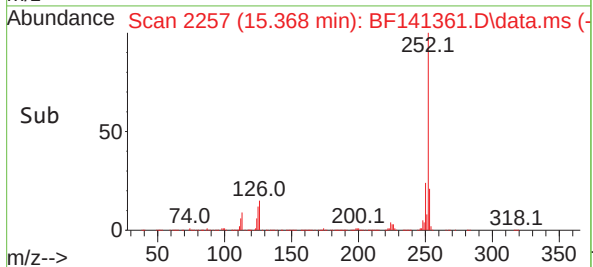
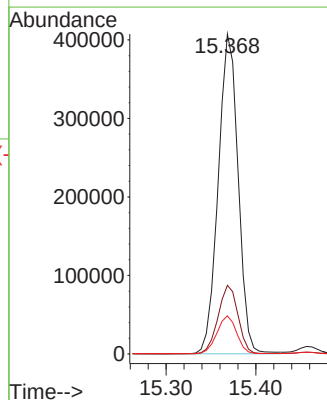
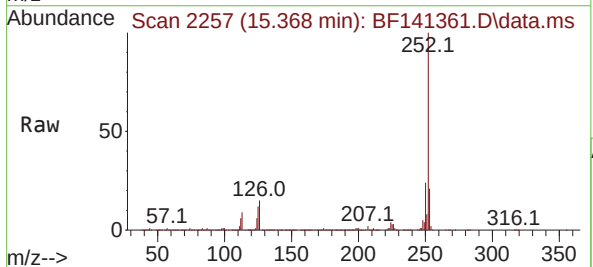
Tgt Ion:252 Resp: 628247

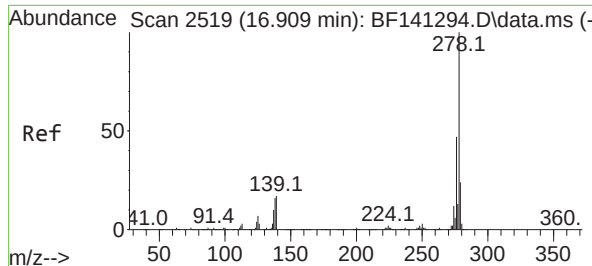
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.9 9.4 14.2





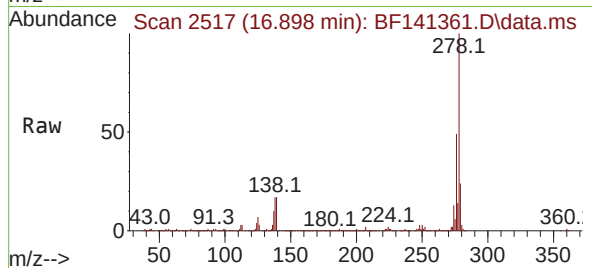
#91
Dibenzo(a,h)anthracene
Concen: 43.298 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

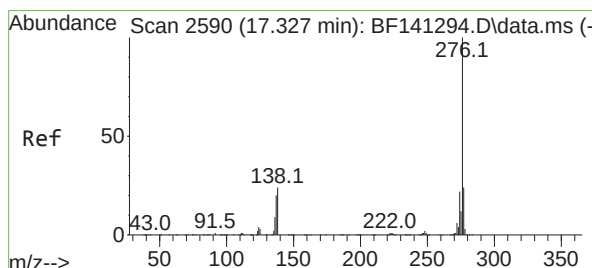
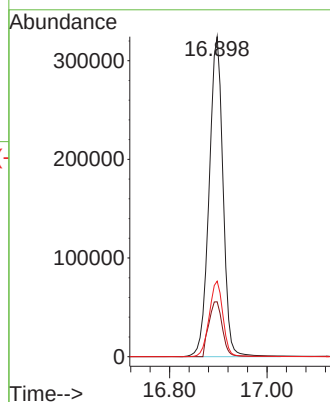
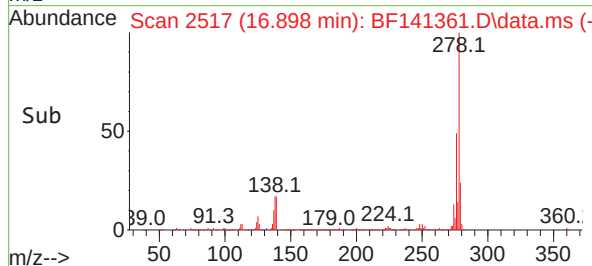


Tgt Ion:278 Resp: 64025
Ion Ratio Lower Upper
278 100
139 17.2 13.9 20.9
279 23.6 18.8 28.2

Manual Integrations

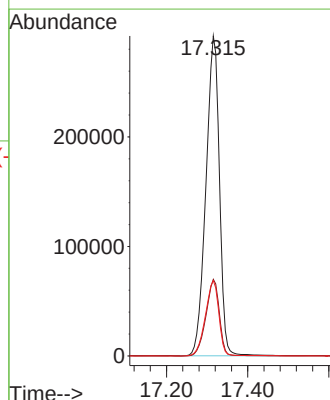
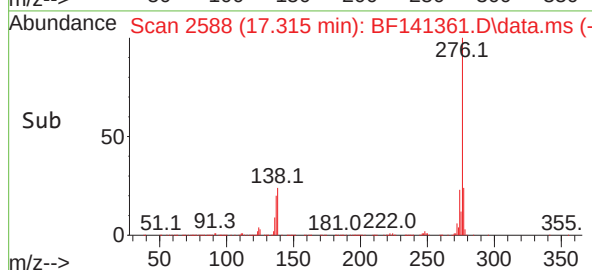
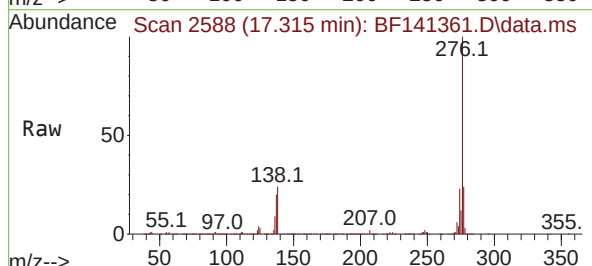
APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 43.768 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:276 Resp: 672962
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	0.00
2	1,4-Dioxane	0.573	0.630	-9.9	81	-0.02
3	Pyridine	1.380	1.326	3.9	69	-0.02
4	n-Nitrosodimethylamine	0.789	0.841	-6.6	77	-0.04
5 S	2-Fluorophenol	1.303	1.313	-0.8	75	0.00
6	Aniline	1.403	1.302	7.2	66	-0.01
7 S	Phenol-d6	1.657	1.641	1.0	74	0.00
8	2-Chlorophenol	1.396	1.420	-1.7	75	0.00
9	Benzaldehyde	0.960	0.989	-3.0	76	0.00
10 C	Phenol	1.757	1.726	1.8	72	0.00
11	bis(2-Chloroethyl)ether	1.347	1.302	3.3	73	-0.01
12	1,3-Dichlorobenzene	1.540	1.572	-2.1	76	0.00
13 C	1,4-Dichlorobenzene	1.547	1.568	-1.4	75	0.00
14	1,2-Dichlorobenzene	1.448	1.472	-1.7	76	0.00
15	Benzyl Alcohol	1.133	1.213	-7.1	77	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.200	6.1	69	0.00
17	2-Methylphenol	1.135	1.098	3.3	72	0.00
18	Hexachloroethane	0.571	0.590	-3.3	77	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.973	1.2	75	-0.02
20	3+4-Methylphenols	1.393	1.446	-3.8	77	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22	Acetophenone	0.475	0.501	-5.5	78	-0.01
23 S	Nitrobenzene-d5	0.379	0.397	-4.7	76	0.00
24	Nitrobenzene	0.393	0.407	-3.6	74	-0.01
25	Isophorone	0.656	0.653	0.5	73	-0.01
26 C	2-Nitrophenol	0.185	0.192	-3.8	74	0.00
27	2,4-Dimethylphenol	0.236	0.234	0.8	71	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.414	1.0	72	-0.01
29 C	2,4-Dichlorophenol	0.289	0.297	-2.8	75	0.00
30	1,2,4-Trichlorobenzene	0.330	0.335	-1.5	75	0.00
31	Naphthalene	1.057	1.079	-2.1	75	0.00
32	Benzoic acid	0.217	0.227	-4.6	70	-0.02
33	4-Chloroaniline	0.358	0.348	2.8	70	0.00
34 C	Hexachlorobutadiene	0.194	0.207	-6.7	79	0.00
35	Caprolactam	0.094	0.095	-1.1	72	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.324	-4.5	77	0.00
37	2-Methylnaphthalene	0.672	0.690	-2.7	75	0.00
38	1-Methylnaphthalene	0.660	0.672	-1.8	75	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.572	-0.5	75	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	75	0.00
42 S	2,4,6-Tribromophenol	0.183	0.200	-9.3	81	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.384	-3.2	74	0.00
44	2,4,5-Trichlorophenol	0.405	0.416	-2.7	77	0.00
45 S	2-Fluorobiphenyl	1.299	1.315	-1.2	78	0.00
46	1,1'-Biphenyl	1.560	1.548	0.8	75	0.00
47	2-Chloronaphthalene	1.216	1.208	0.7	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.392	-2.6	76	0.00
49	Acenaphthylene	1.702	1.699	0.2	75	0.00
50	Dimethylphthalate	1.351	1.368	-1.3	78	-0.01
51	2,6-Dinitrotoluene	0.314	0.315	-0.3	75	0.00
52 C	Acenaphthene	1.216	1.239	-1.9	77	0.00
53	3-Nitroaniline	0.307	0.322	-4.9	75	0.00
54 P	2,4-Dinitrophenol	0.146	0.163	-11.6	78	0.00
55	Dibenzofuran	1.627	1.650	-1.4	76	0.00
56 P	4-Nitrophenol	0.225	0.256	-13.8	80	0.02
57	2,4-Dinitrotoluene	0.406	0.426	-4.9	77	-0.01
58	Fluorene	1.262	1.311	-3.9	79	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.342	-7.2	79	0.00
60	Diethylphthalate	1.310	1.343	-2.5	77	-0.01
61	4-Chlorophenyl-phenylether	0.617	0.635	-2.9	78	0.00
62	4-Nitroaniline	0.302	0.331	-9.6	80	-0.01
63	Azobenzene	1.311	1.313	-0.2	75	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.139	-17.8	81	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.658	-1.7	77	0.00
67	4-Bromophenyl-phenylether	0.224	0.234	-4.5	79	0.00
68	Hexachlorobenzene	0.238	0.249	-4.6	79	0.00
69	Atrazine	0.216	0.216	0.0	74	-0.01
70 C	Pentachlorophenol	0.139	0.152	-9.4	77	0.00
71	Phenanthrene	1.075	1.130	-5.1	80	0.00
72	Anthracene	1.053	1.117	-6.1	81	0.00
73	Carbazole	0.934	1.033	-10.6	84	0.00
74	Di-n-butylphthalate	1.132	1.220	-7.8	82	0.00
75 C	Fluoranthene	1.062	1.211	-14.0	87	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77	Benzidine	0.641	0.626	2.3	80	0.00
78	Pyrene	1.920	1.679	12.6	89	0.00
79 S	Terphenyl-d14	1.297	1.144	11.8	90	0.00
80	Butylbenzylphthalate	0.671	0.642	4.3	96	0.00
81	Benzo(a)anthracene	1.380	1.322	4.2	97	0.00
82	3,3'-Dichlorobenzidine	0.439	0.436	0.7	97	0.00
83	Chrysene	1.265	1.235	2.4	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.896	-5.3	107	-0.01
85 c	Di-n-octyl phthalate	1.321	1.471	-11.4	112	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	102	-0.01
87	Indeno(1,2,3-cd)pyrene	1.291	1.398	-8.3	113	-0.02
88	Benzo(b)fluoranthene	1.258	1.389	-10.4	126	-0.01
89	Benzo(k)fluoranthene	1.114	1.030	7.5	97	-0.01
90 C	Benzo(a)pyrene	1.063	1.103	-3.8	111	-0.01
91	Dibenzo(a,h)anthracene	1.039	1.124	-8.2	113	-0.02
92	Benzo(g,h,i)perylene	1.080	1.182	-9.4	115	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
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Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	69	0.00
2	1,4-Dioxane	40.000	44.012	-10.0	81	-0.02
3	Pyridine	40.000	38.431	3.9	69	-0.02
4	n-Nitrosodimethylamine	40.000	42.660	-6.6	77	-0.04
5 S	2-Fluorophenol	80.000	80.639	-0.8	75	0.00
6	Aniline	40.000	37.112	7.2	66	-0.01
7 S	Phenol-d6	80.000	79.215	1.0	74	0.00
8	2-Chlorophenol	40.000	40.687	-1.7	75	0.00
9	Benzaldehyde	40.000	41.190	-3.0	76	0.00
10 C	Phenol	40.000	39.294	1.8	72	0.00
11	bis(2-Chloroethyl)ether	40.000	38.659	3.4	73	-0.01
12	1,3-Dichlorobenzene	40.000	40.844	-2.1	76	0.00
13 C	1,4-Dichlorobenzene	40.000	40.554	-1.4	75	0.00
14	1,2-Dichlorobenzene	40.000	40.649	-1.6	76	0.00
15	Benzyl Alcohol	40.000	42.844	-7.1	77	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.563	6.1	69	0.00
17	2-Methylphenol	40.000	38.689	3.3	72	0.00
18	Hexachloroethane	40.000	41.383	-3.5	77	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.542	1.1	75	-0.02
20	3+4-Methylphenols	40.000	41.520	-3.8	77	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22	Acetophenone	40.000	42.153	-5.4	78	-0.01
23 S	Nitrobenzene-d5	80.000	83.781	-4.7	76	0.00
24	Nitrobenzene	40.000	41.381	-3.5	74	-0.01
25	Isophorone	40.000	39.825	0.4	73	-0.01
26 C	2-Nitrophenol	40.000	41.467	-3.7	74	0.00
27	2,4-Dimethylphenol	40.000	39.629	0.9	71	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.540	1.2	72	-0.01
29 C	2,4-Dichlorophenol	40.000	41.114	-2.8	75	0.00
30	1,2,4-Trichlorobenzene	40.000	40.654	-1.6	75	0.00
31	Naphthalene	40.000	40.850	-2.1	75	0.00
32	Benzoic acid	40.000	41.864	-4.7	70	-0.02
33	4-Chloroaniline	40.000	38.830	2.9	70	0.00
34 C	Hexachlorobutadiene	40.000	42.830	-7.1	79	0.00
35	Caprolactam	40.000	40.128	-0.3	72	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.805	-4.5	77	0.00
37	2-Methylnaphthalene	40.000	41.088	-2.7	75	0.00
38	1-Methylnaphthalene	40.000	40.770	-1.9	75	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.237	-0.6	75	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.983	-10.0	75	0.00
42 S	2,4,6-Tribromophenol	80.000	87.321	-9.2	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.248	-3.1	74	0.00
44	2,4,5-Trichlorophenol	40.000	41.031	-2.6	77	0.00
45 S	2-Fluorobiphenyl	80.000	80.940	-1.2	78	0.00
46	1,1'-Biphenyl	40.000	39.699	0.8	75	0.00
47	2-Chloronaphthalene	40.000	39.740	0.6	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.055	-2.6	76	0.00
49	Acenaphthylene	40.000	39.923	0.2	75	0.00
50	Dimethylphthalate	40.000	40.523	-1.3	78	-0.01
51	2,6-Dinitrotoluene	40.000	40.149	-0.4	75	0.00
52 C	Acenaphthene	40.000	40.755	-1.9	77	0.00
53	3-Nitroaniline	40.000	41.859	-4.6	75	0.00
54 P	2,4-Dinitrophenol	40.000	44.625	-11.6	78	0.00
55	Dibenzofuran	40.000	40.548	-1.4	76	0.00
56 P	4-Nitrophenol	40.000	45.471	-13.7	80	0.02
57	2,4-Dinitrotoluene	40.000	41.946	-4.9	77	-0.01
58	Fluorene	40.000	41.554	-3.9	79	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.892	-7.2	79	0.00
60	Diethylphthalate	40.000	41.025	-2.6	77	-0.01
61	4-Chlorophenyl-phenylether	40.000	41.170	-2.9	78	0.00
62	4-Nitroaniline	40.000	43.865	-9.7	80	-0.01
63	Azobenzene	40.000	40.048	-0.1	75	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.869	-17.2	81	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.682	-1.7	77	0.00
67	4-Bromophenyl-phenylether	40.000	41.715	-4.3	79	0.00
68	Hexachlorobenzene	40.000	41.866	-4.7	79	0.00
69	Atrazine	40.000	39.975	0.1	74	-0.01
70 C	Pentachlorophenol	40.000	43.745	-9.4	77	0.00
71	Phenanthrene	40.000	42.056	-5.1	80	0.00
72	Anthracene	40.000	42.420	-6.1	81	0.00
73	Carbazole	40.000	44.227	-10.6	84	0.00
74	Di-n-butylphthalate	40.000	43.100	-7.8	82	0.00
75 C	Fluoranthene	40.000	45.626	-14.1	87	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77	Benzydine	40.000	39.082	2.3	80	0.00
78	Pyrene	40.000	34.986	12.5	89	0.00
79 S	Terphenyl-d14	80.000	70.570	11.8	90	0.00
80	Butylbenzylphthalate	40.000	38.308	4.2	96	0.00
81	Benzo(a)anthracene	40.000	38.325	4.2	97	0.00
82	3,3'-Dichlorobenzidine	40.000	39.687	0.8	97	0.00
83	Chrysene	40.000	39.050	2.4	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.145	-5.4	107	-0.01
85 c	Di-n-octyl phthalate	40.000	44.516	-11.3	112	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	102	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	43.334	-8.3	113	-0.02
88	Benzo(b)fluoranthene	40.000	44.175	-10.4	126	-0.01
89	Benzo(k)fluoranthene	40.000	36.950	7.6	97	-0.01
90 C	Benzo(a)pyrene	40.000	41.504	-3.8	111	-0.01
91	Dibenzo(a,h)anthracene	40.000	43.298	-8.2	113	-0.02
92	Benzo(g,h,i)perylene	40.000	43.768	-9.4	115	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
----------	--------	-------	------	-------	----------

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG No.: Q1232

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 17:14

Lab File ID: BF141373.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.232		-10.7	
2-Fluorophenol	1.303	1.302		-0.1	
Phenol-d6	1.657	1.598		-3.6	
1,4-Dichlorobenzene	1.547	1.570		1.5	20.0
2-Methylphenol	1.135	1.109		-2.3	
3+4-Methylphenols	1.393	1.420		1.9	
Nitrobenzene-d5	0.379	0.382		0.8	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.389		-1.0	
Hexachlorobutadiene	0.194	0.204		5.2	20.0
2,4,6-Trichlorophenol	0.372	0.380		2.2	20.0
2-Fluorobiphenyl	1.299	1.292		-0.5	
2,4,5-Trichlorophenol	0.405	0.413		2.0	
2,4-Dinitrotoluene	0.406	0.423		4.2	
2,4,6-Tribromophenol	0.183	0.194		6.0	
Hexachlorobenzene	0.238	0.244		2.5	
Pentachlorophenol	0.139	0.157		12.9	20.0
Terphenyl-d14	1.297	1.274		-1.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	104167	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	414412	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	226326	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	383558	20.000	ng	0.00
76) Chrysene-d12	13.963	240	233911	20.000	ng	-0.01
86) Perylene-d12	15.415	264	231577	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	542601	79.968	ng	0.00
7) Phenol-d6	6.439	99	665791	77.133	ng	0.00
23) Nitrobenzene-d5	7.363	82	632818	80.499	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	175756	84.706	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1169231	79.517	ng	0.00
79) Terphenyl-d14	12.910	244	1192221	78.604	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	121152	40.599	ng	100
3) Pyridine	3.210	79	256725	35.706	ng	99
4) n-Nitrosodimethylamine	3.163	42	171120	41.662	ng	93
6) Aniline	6.457	93	214496	29.356	ng	# 6
8) 2-Chlorophenol	6.587	128	289746	39.841	ng	97
9) Benzaldehyde	6.345	77	216223	43.247	ng	99
10) Phenol	6.451	94	352818	38.559	ng	79
11) bis(2-Chloroethyl)ether	6.534	93	272822	38.887	ng	100
12) 1,3-Dichlorobenzene	6.734	146	319939	39.899	ng	100
13) 1,4-Dichlorobenzene	6.816	146	327100	40.605	ng	99
14) 1,2-Dichlorobenzene	6.969	146	306404	40.620	ng	99
15) Benzyl Alcohol	6.939	79	249700	42.330	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	456565	37.424	ng	76
17) 2-Methylphenol	7.063	107	231097	39.098	ng	# 91
18) Hexachloroethane	7.310	117	122966	41.378	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	204348	39.842	ng	99
20) 3+4-Methylphenols	7.210	107	295742	40.751	ng	96
22) Acetophenone	7.204	105	403113	40.923	ng	# 97
24) Nitrobenzene	7.381	77	322702	39.612	ng	98
25) Isophorone	7.616	82	541055	39.816	ng	99
26) 2-Nitrophenol	7.692	139	155896	40.576	ng	96
27) 2,4-Dimethylphenol	7.739	122	196433m	40.168	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	338131	39.010	ng	99
29) 2,4-Dichlorophenol	7.945	162	242512	40.508	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	271821	39.757	ng	100
31) Naphthalene	8.098	128	867292	39.616	ng	100
32) Benzoic acid	7.857	122	193009	42.934	ng	98
33) 4-Chloroaniline	8.151	127	242580	32.676	ng	99
34) Hexachlorobutadiene	8.216	225	168912	42.128	ng	99
35) Caprolactam	8.516	113	79702	40.764	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	263711	41.066	ng	96
37) 2-Methylnaphthalene	8.792	142	556906	40.024	ng	99
38) 1-Methylnaphthalene	8.886	142	547195	40.034	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	258626	40.167	ng	100
41) Hexachlorocyclopentadiene	8.939	237	83996	44.173	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	171810	40.768	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 00:16:39 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	186902	40.747	ng	100
46) 1,1'-Biphenyl	9.257	154	695314	39.393	ng	99
47) 2-Chloronaphthalene	9.280	162	541319	39.346	ng	99
48) 2-Nitroaniline	9.375	65	175746	40.613	ng	96
49) Acenaphthylene	9.692	152	761884	39.561	ng	100
50) Dimethylphthalate	9.557	163	614225	40.182	ng	99
51) 2,6-Dinitrotoluene	9.622	165	142423	40.128	ng	100
52) Acenaphthene	9.869	154	554750	40.321	ng	99
53) 3-Nitroaniline	9.786	138	140545	40.403	ng	98
54) 2,4-Dinitrophenol	9.892	184	76994	46.667	ng	91
55) Dibenzofuran	10.039	168	727950	39.528	ng	98
56) 4-Nitrophenol	9.969	139	106562	41.887	ng	94
57) 2,4-Dinitrotoluene	10.022	165	191425	41.657	ng	97
58) Fluorene	10.380	166	581931	40.737	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	152033	42.131	ng	98
60) Diethylphthalate	10.257	149	609242	41.105	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	280983	40.268	ng	97
62) 4-Nitroaniline	10.404	138	147941	43.258	ng	96
63) Azobenzene	10.533	77	585808	39.486	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	107093	47.204	ng	97
66) n-Nitrosodiphenylamine	10.492	169	492539	39.703	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	179324	41.761	ng	98
68) Hexachlorobenzene	10.927	284	186820	41.015	ng	98
69) Atrazine	11.022	200	166008	40.023	ng	99
70) Pentachlorophenol	11.127	266	120209	45.068	ng	98
71) Phenanthrene	11.345	178	840073	40.745	ng	100
72) Anthracene	11.398	178	829686	41.070	ng	100
73) Carbazole	11.551	167	749638	41.848	ng	99
74) Di-n-butylphthalate	11.886	149	917962	42.285	ng	100
75) Fluoranthene	12.533	202	861847	42.335	ng	98
77) Benzidine	12.657	184	219025	29.208	ng	99
78) Pyrene	12.763	202	860076	38.305	ng	100
80) Butylbenzylphthalate	13.380	149	328897	41.929	ng	99
81) Benzo(a)anthracene	13.951	228	604276	37.437	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	198361	38.639	ng	99
83) Chrysene	13.986	228	580099	39.215	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436237	43.840	ng	99
85) Di-n-octyl phthalate	14.562	149	689323	44.601	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	626825	41.938	ng	98
88) Benzo(b)fluoranthene	14.998	252	571343	39.222	ng	99
89) Benzo(k)fluoranthene	15.027	252	534749	41.439	ng	99
90) Benzo(a)pyrene	15.357	252	503731	40.922	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	510363	42.442	ng	98
92) Benzo(g,h,i)perylene	17.298	276	518300	41.452	ng	98

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

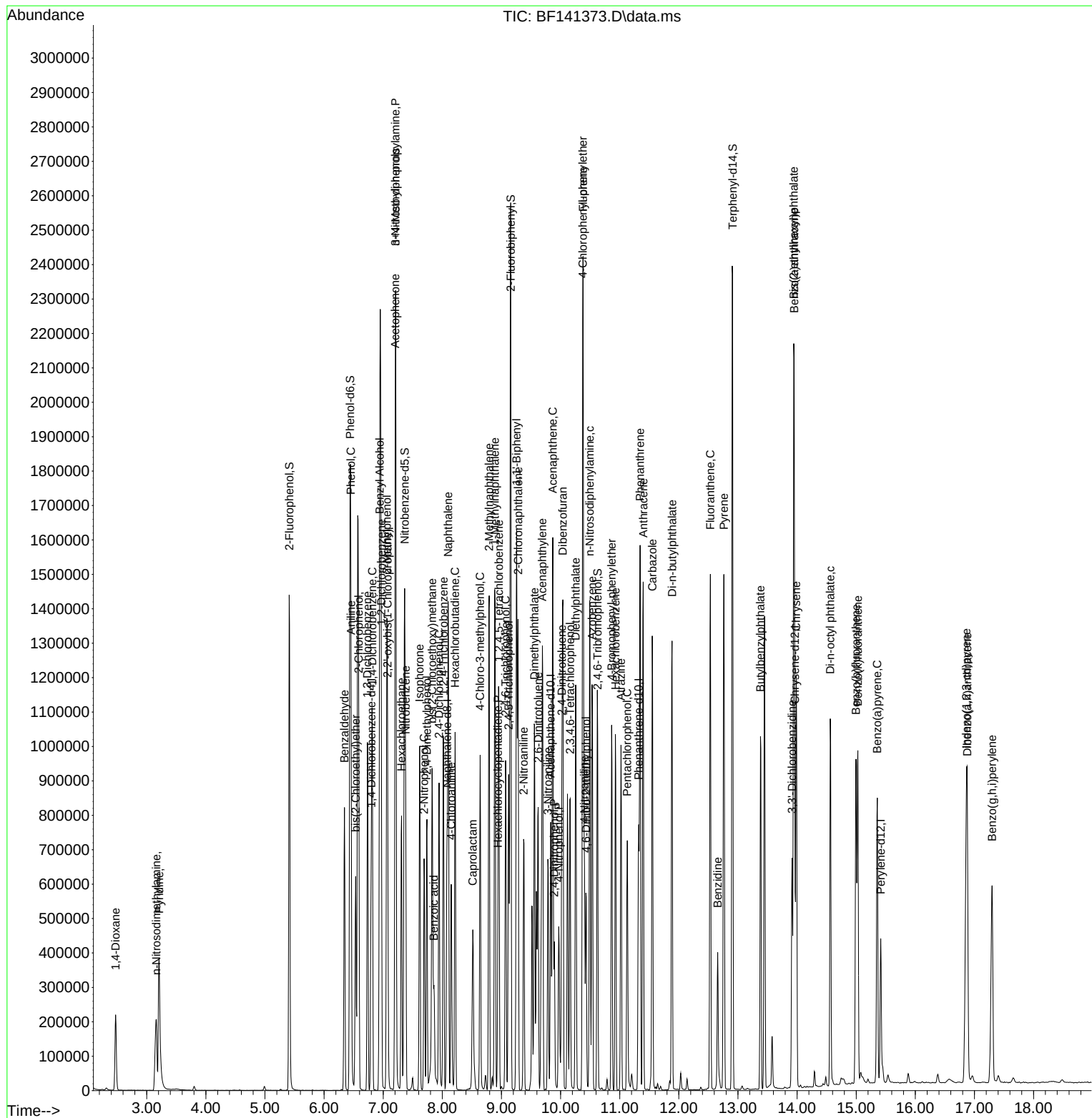
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 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

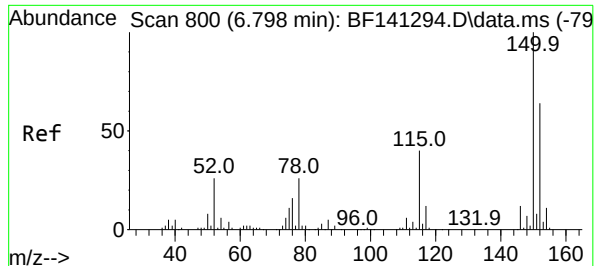
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

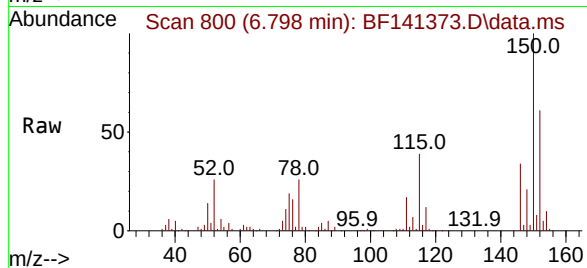
Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

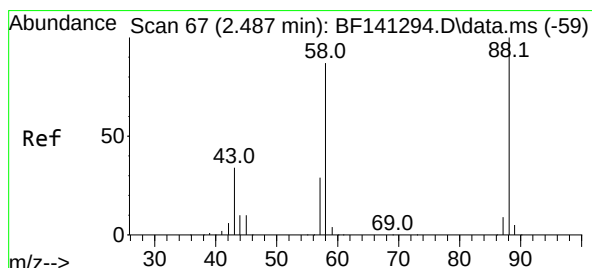
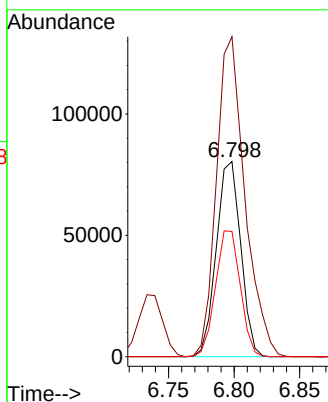
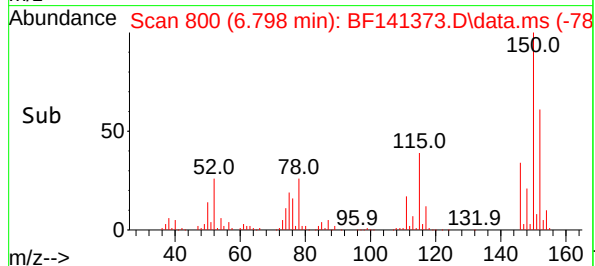
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 10416
Ion Ratio Lower Upper
152 100
150 163.9 125.9 188.9
115 64.2 49.7 74.5

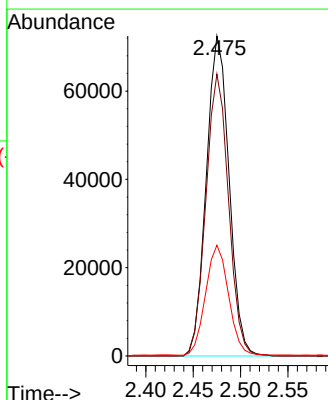
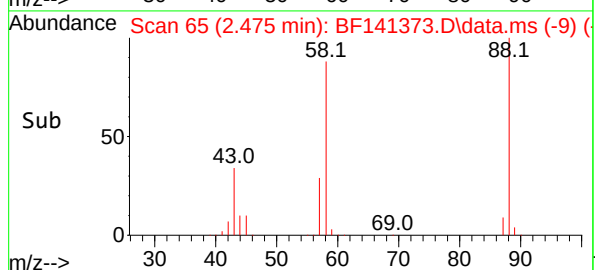
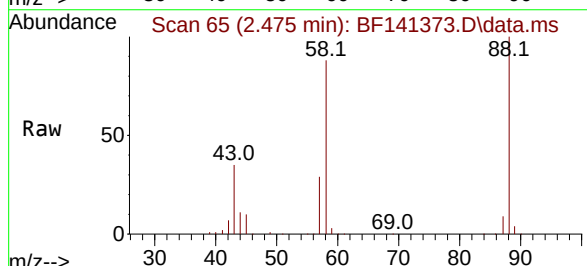
Manual Integrations
APPROVED

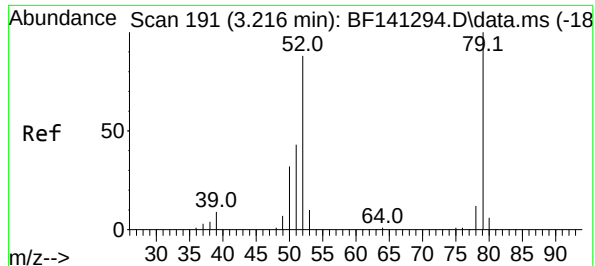
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 40.599 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

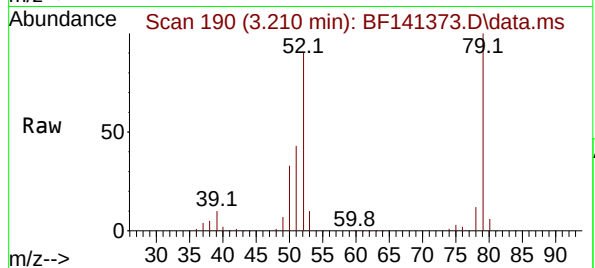
Tgt Ion: 88 Resp: 121152
Ion Ratio Lower Upper
88 100
58 87.5 70.2 105.4
43 34.6 27.6 41.4





#3
Pyridine
Concen: 35.706 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

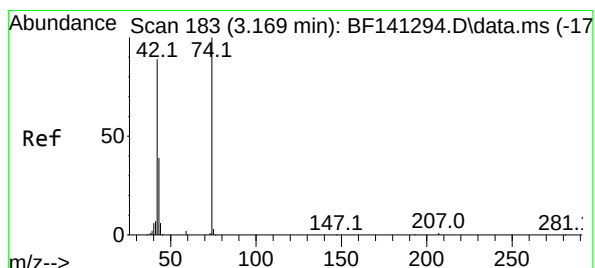
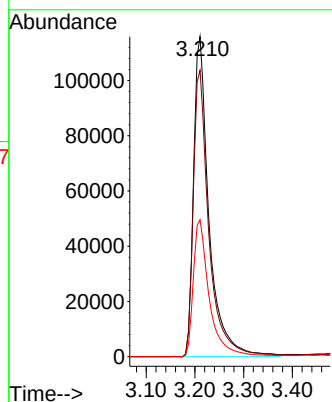
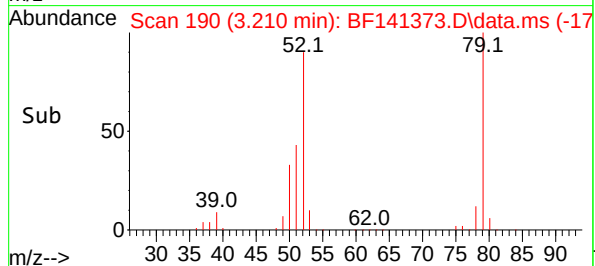
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



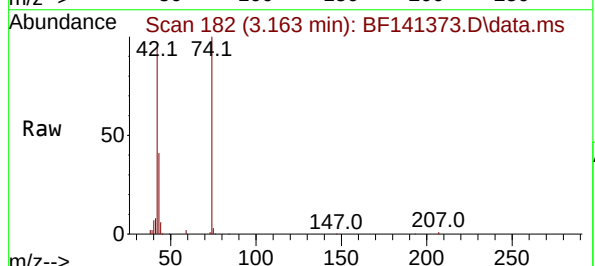
Tgt Ion: 79 Resp: 256725
Ion Ratio Lower Upper
79 100
52 89.5 70.3 105.5
51 42.8 34.3 51.5

Manual Integrations
APPROVED

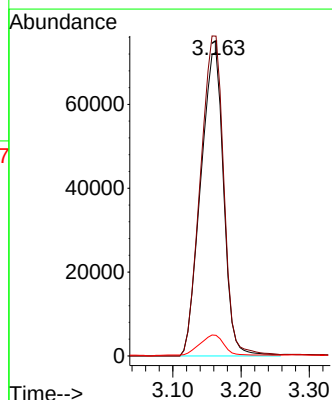
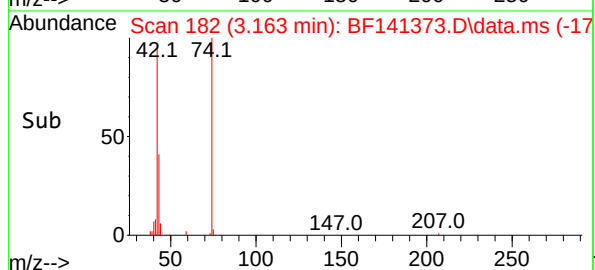
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

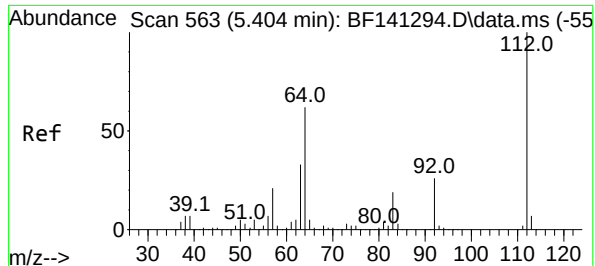


#4
n-Nitrosodimethylamine
Concen: 41.662 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion: 42 Resp: 171120
Ion Ratio Lower Upper
42 100
74 105.3 90.3 135.5
44 6.8 5.7 8.5





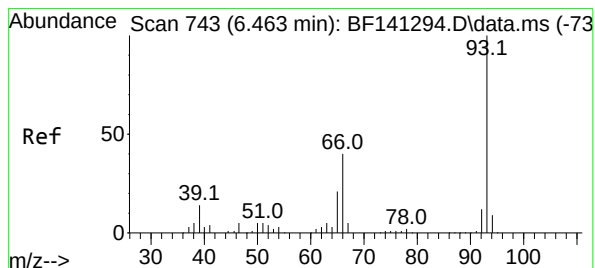
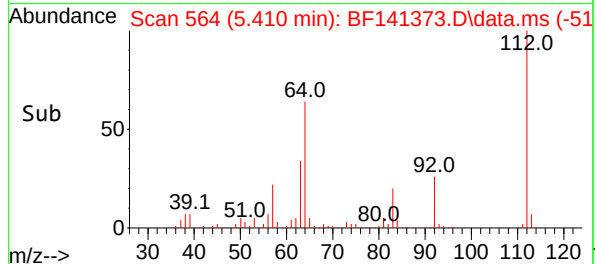
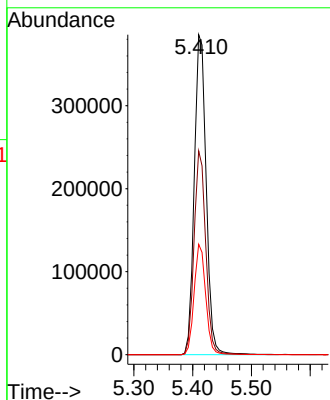
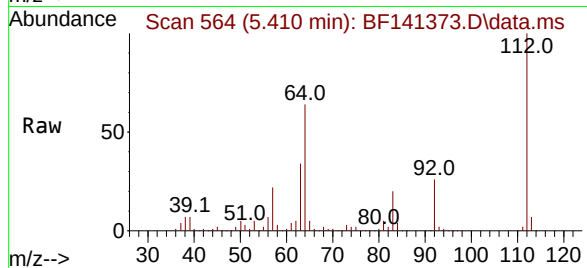
#5
2-Fluorophenol
Concen: 79.968 ng
RT: 5.410 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 54260
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 34.5 26.1 39.1

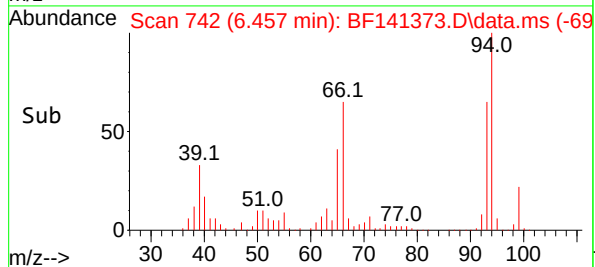
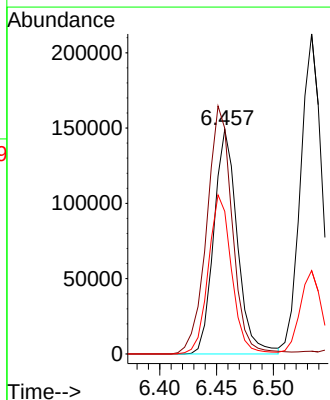
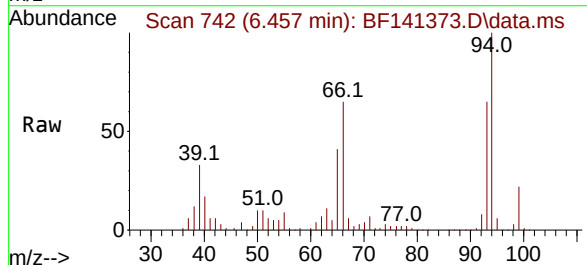
Manual Integrations
APPROVED

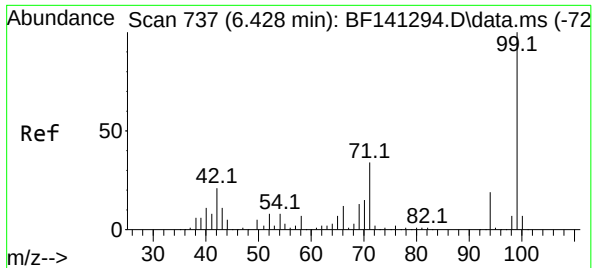
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 29.356 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

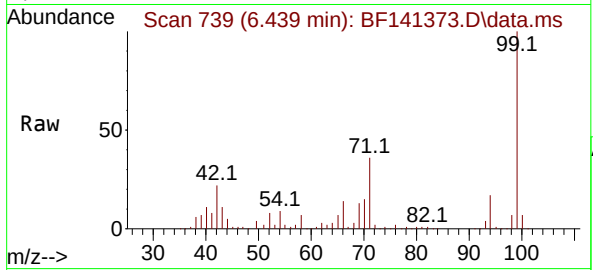
Tgt Ion: 93 Resp: 214496
Ion Ratio Lower Upper
93 100
66 100.5 32.5 48.7#
65 63.5 17.0 25.6#





#7
Phenol-d6
Concen: 77.133 ng
RT: 6.439 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

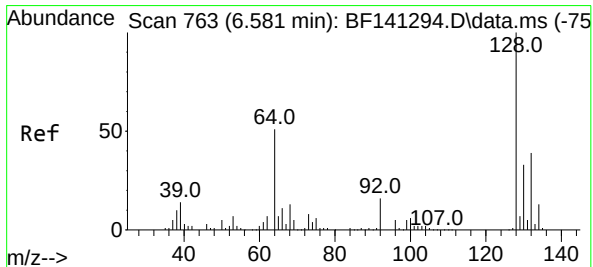
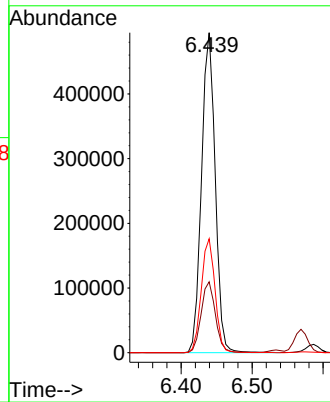
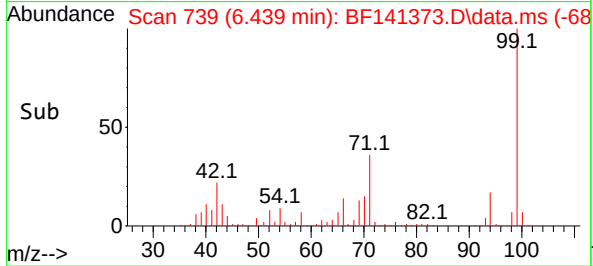
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 66579
Ion Ratio Lower Upper
99 100
42 22.1 17.1 25.7
71 35.6 26.9 40.3

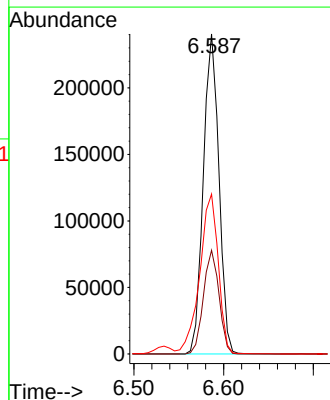
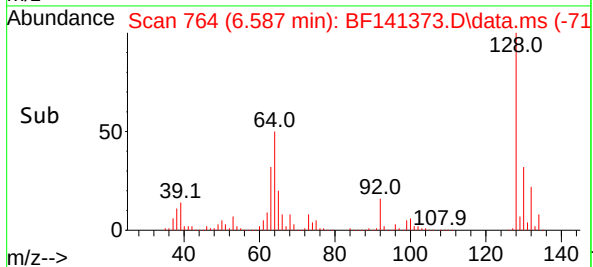
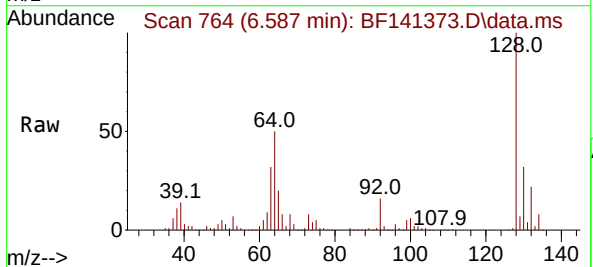
Manual Integrations
APPROVED

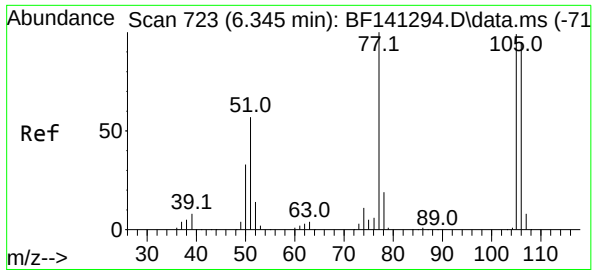
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 39.841 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

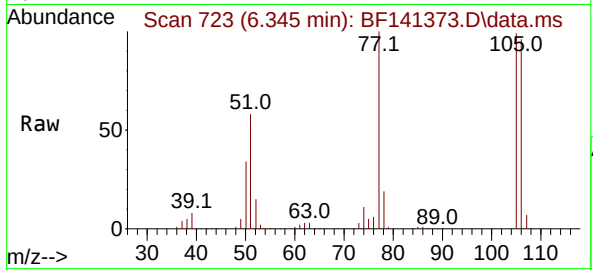
Tgt Ion:128 Resp: 289746
Ion Ratio Lower Upper
128 100
130 32.4 12.5 52.5
64 50.0 32.9 72.9





#9
Benzaldehyde
Concen: 43.247 ng
RT: 6.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

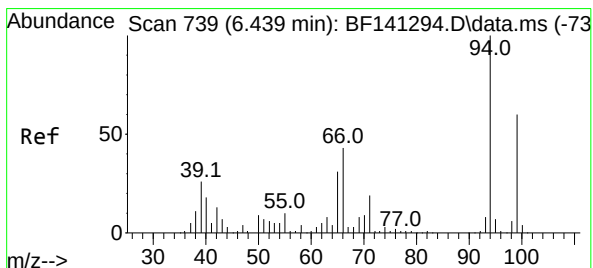
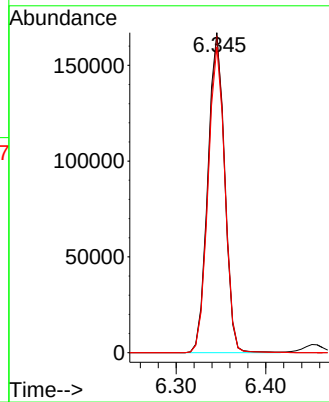
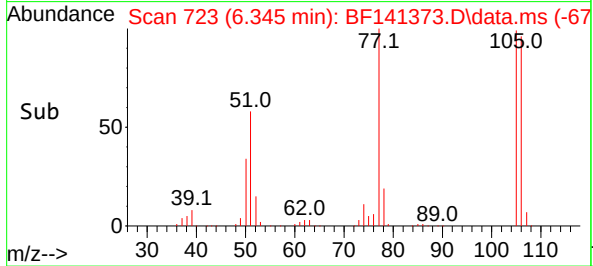
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 21622
Ion Ratio Lower Upper
77 100
105 99.0 79.4 119.4
106 95.5 74.6 114.6

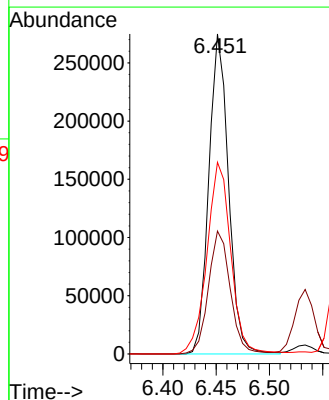
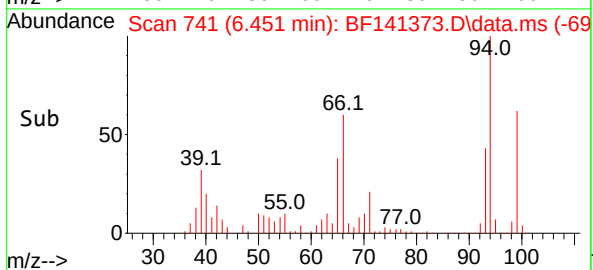
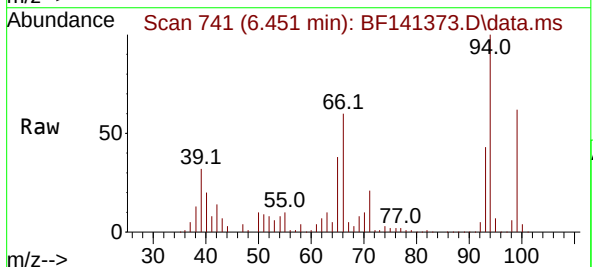
Manual Integrations
APPROVED

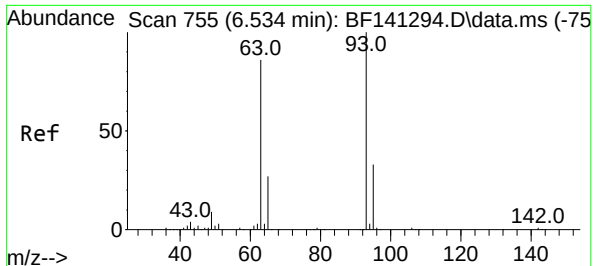
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 38.559 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 94 Resp: 352818
Ion Ratio Lower Upper
94 100
65 38.4 10.8 50.8
66 59.9 23.3 63.3





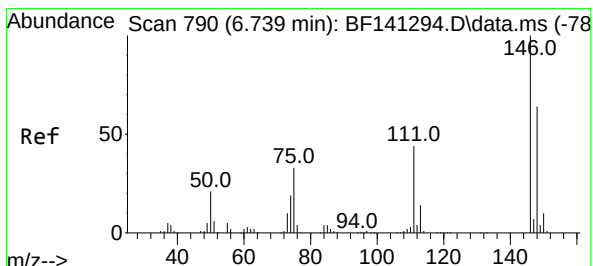
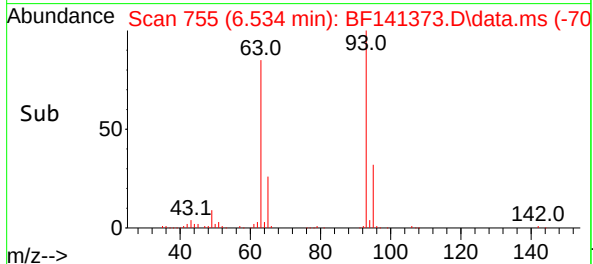
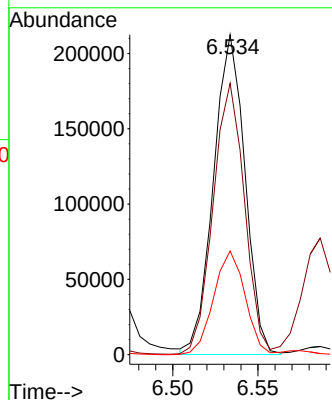
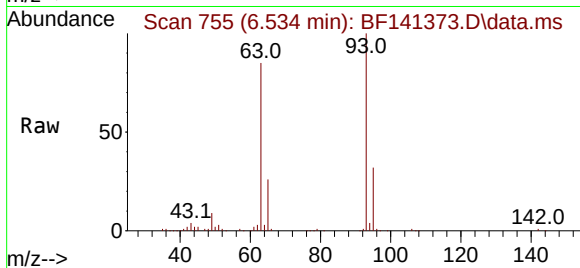
#11
bis(2-Chloroethyl)ether
Concen: 38.887 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 27282
Ion Ratio Lower Upper
93 100
63 84.8 65.0 105.0
95 32.4 12.4 52.4

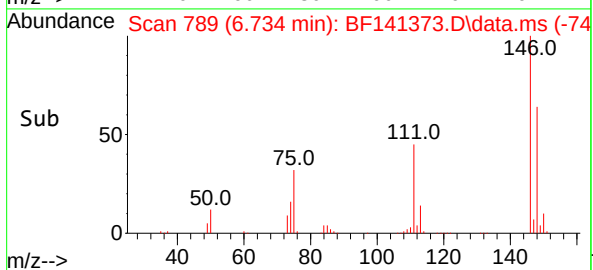
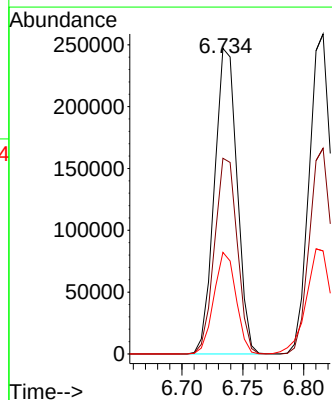
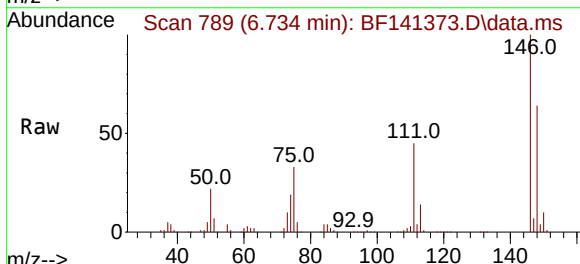
Manual Integrations
APPROVED

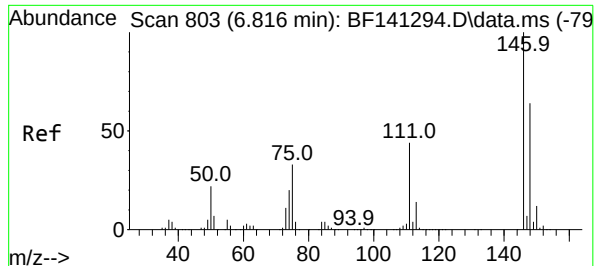
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 39.899 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 319939
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 33.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.605 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 327100

Ion Ratio Lower Upper

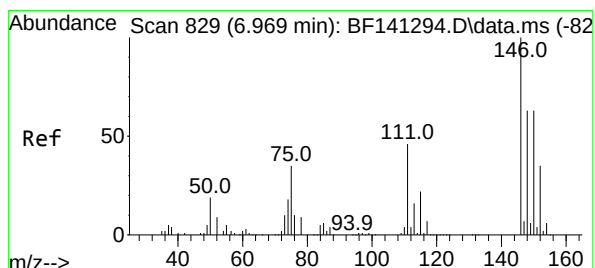
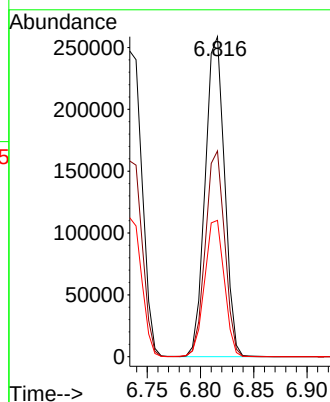
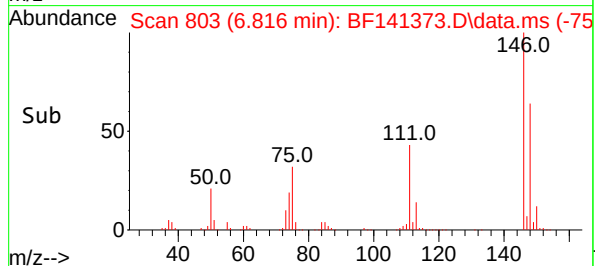
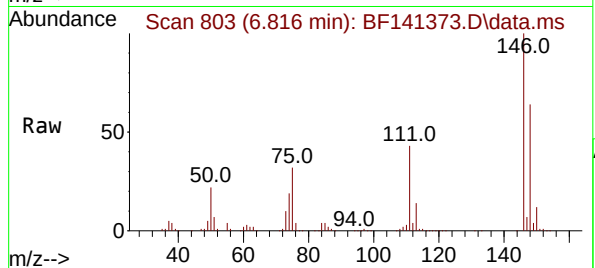
146 100

148 64.3 51.2 76.8

111 42.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#14

1,2-Dichlorobenzene

Concen: 40.620 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

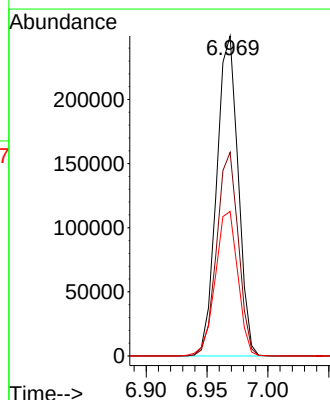
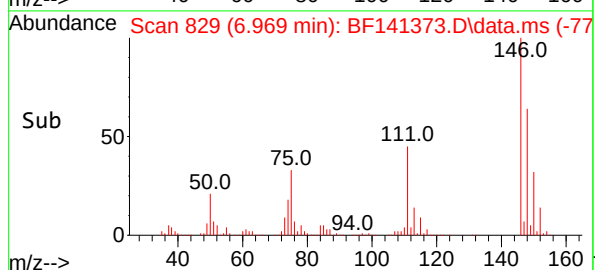
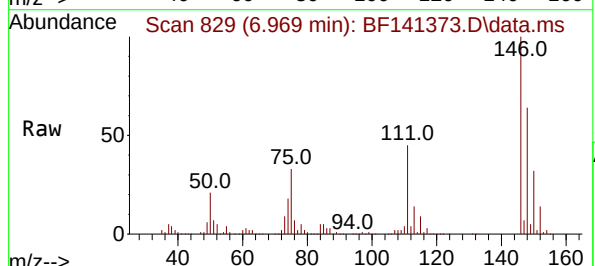
Tgt Ion:146 Resp: 306404

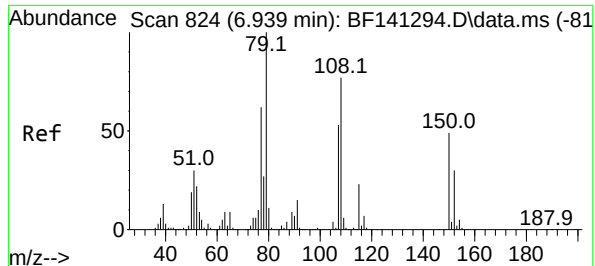
Ion Ratio Lower Upper

146 100

148 63.6 50.5 75.7

111 45.2 36.6 55.0





#15

Benzyl Alcohol

Concen: 42.330 ng

RT: 6.939 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 249700

Ion Ratio Lower Upper

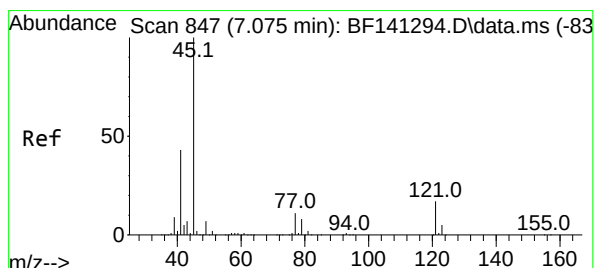
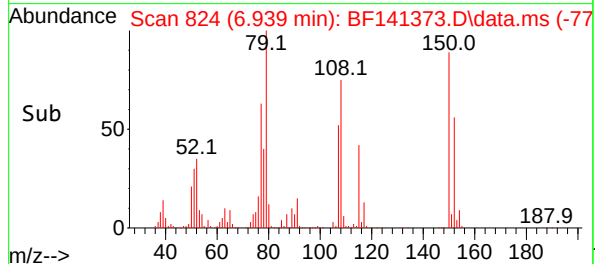
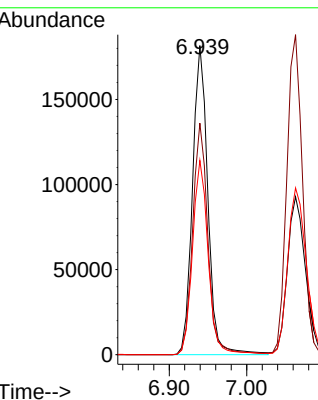
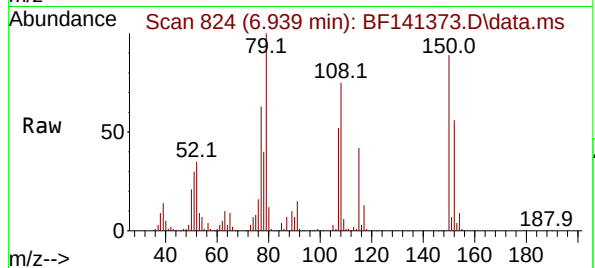
79 100

108 74.9 61.4 92.0

77 62.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.424 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

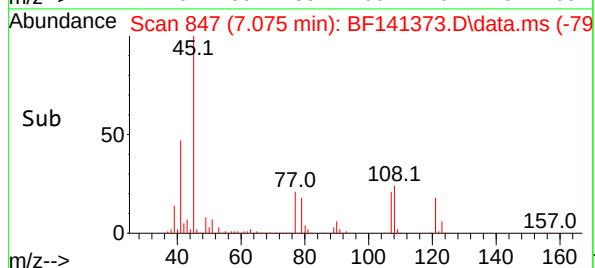
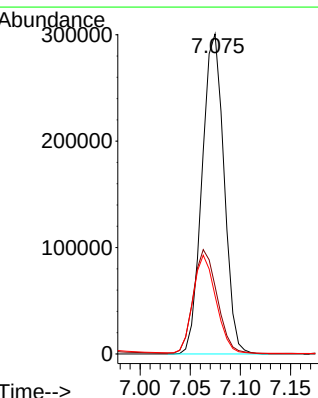
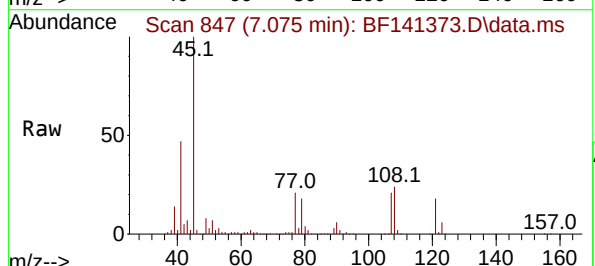
Tgt Ion: 45 Resp: 456565

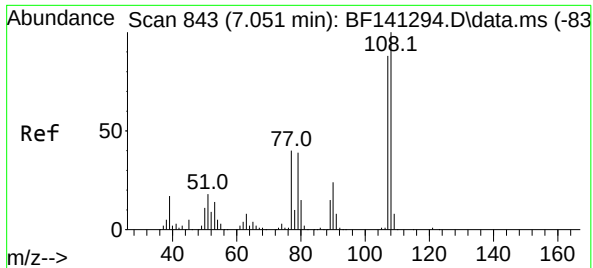
Ion Ratio Lower Upper

45 100

77 21.1 0.0 31.8

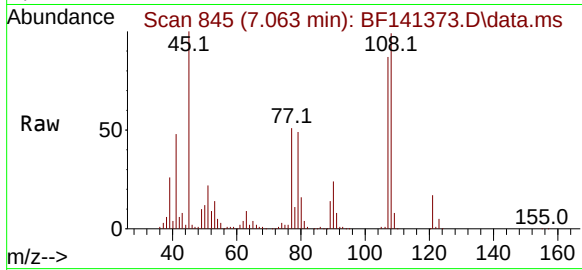
79 18.1 0.0 29.1





#17
2-Methylphenol
Concen: 39.098 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

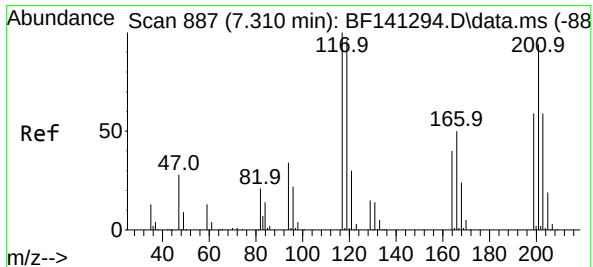
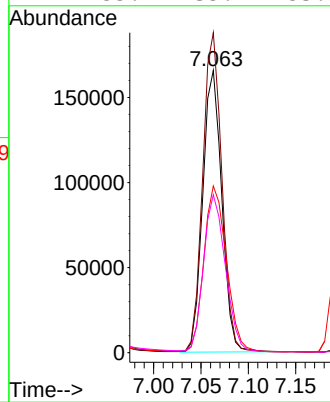
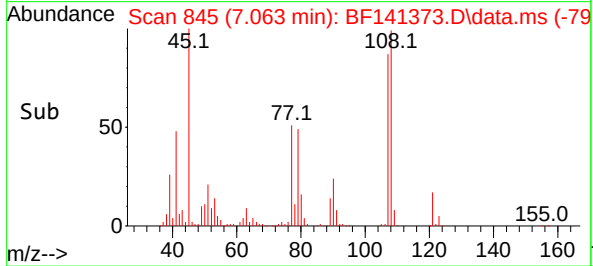
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 231097
Ion Ratio Lower Upper
107 100
108 113.4 90.8 136.2
77 59.1 36.2 54.4
79 55.9 35.7 53.5#

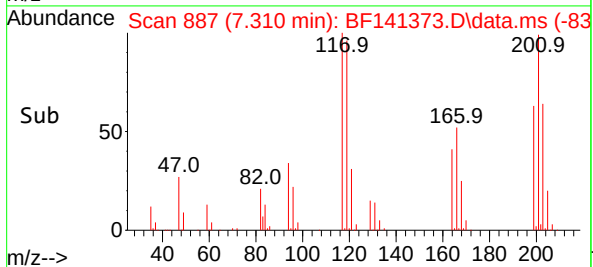
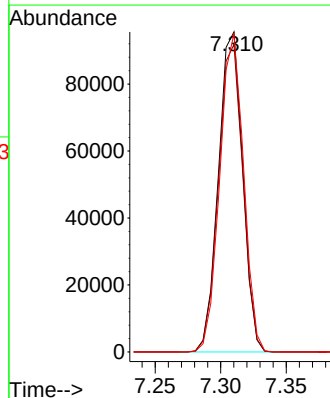
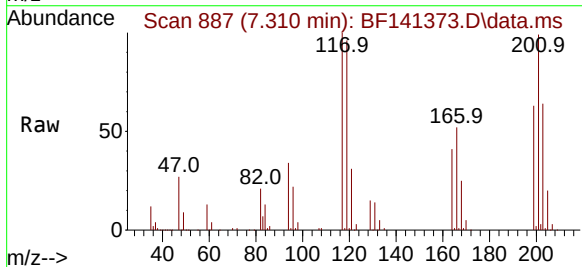
Manual Integrations
APPROVED

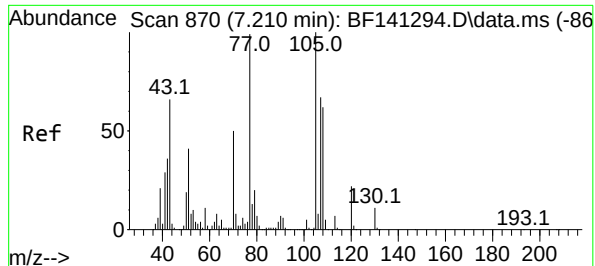
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 41.378 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:117 Resp: 122966
Ion Ratio Lower Upper
117 100
119 96.1 76.6 114.8
201 99.4 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.842 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 20434

Ion Ratio Lower Upper

70 100

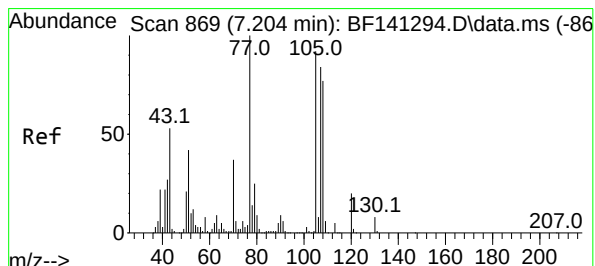
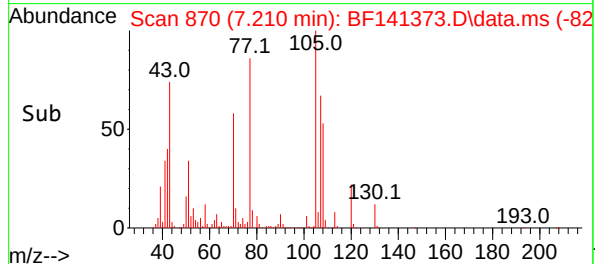
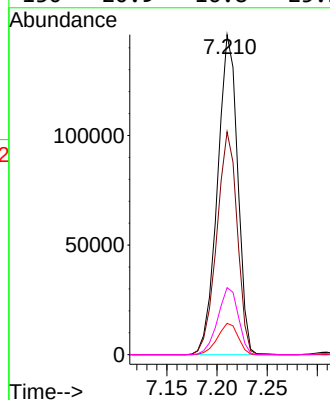
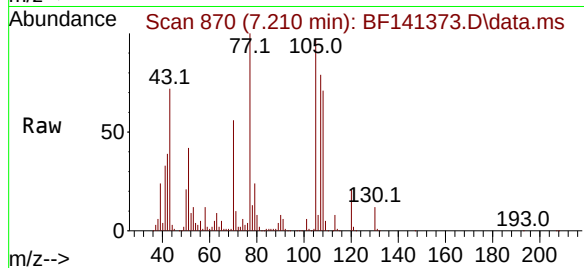
42 69.6 56.8 85.2

101 9.8 7.7 11.5

130 20.9 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#20

3+4-Methylphenols

Concen: 40.751 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 295742

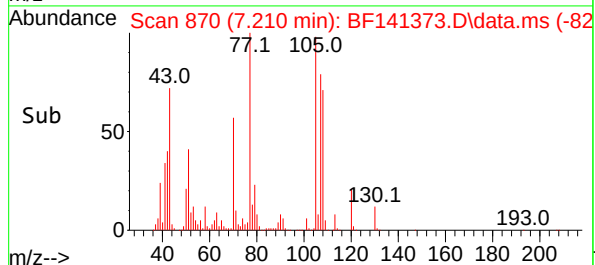
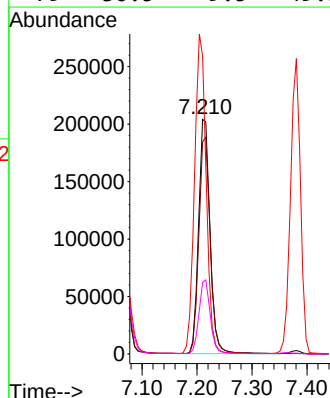
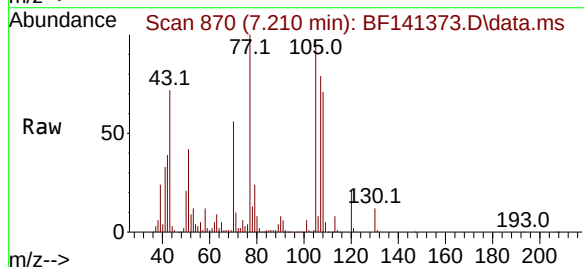
Ion Ratio Lower Upper

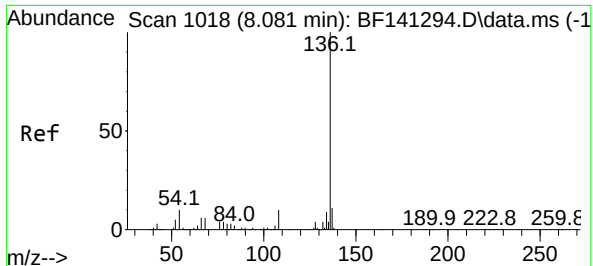
107 100

108 90.3 70.9 110.9

77 126.9 98.5 138.5

79 30.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 41441

Ion Ratio Lower Upper

136 100

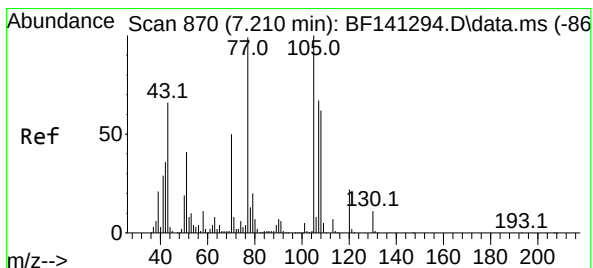
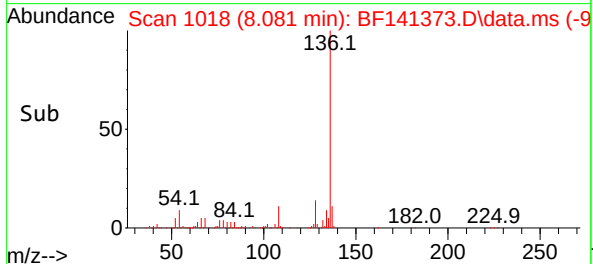
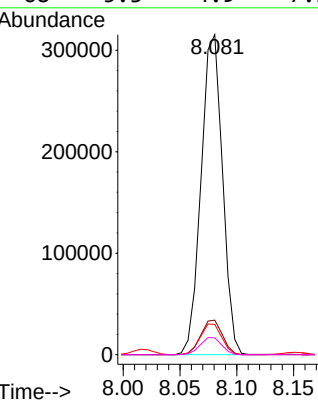
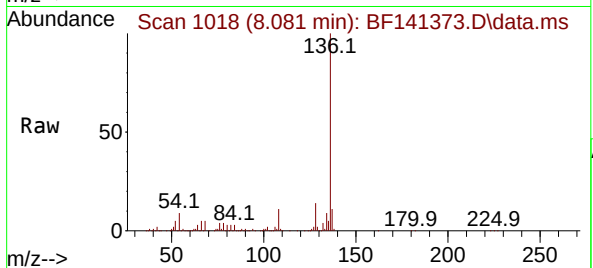
137 10.8 8.6 13.0

54 9.5 7.8 11.8

68 5.3 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#22

Acetophenone

Concen: 40.923 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:105 Resp: 403113

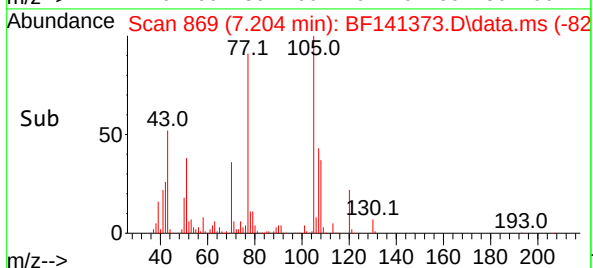
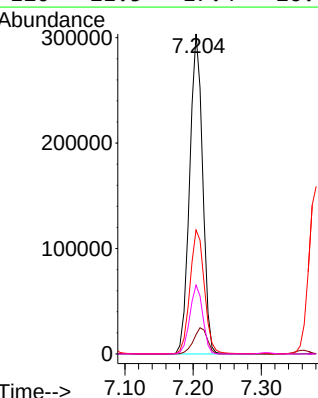
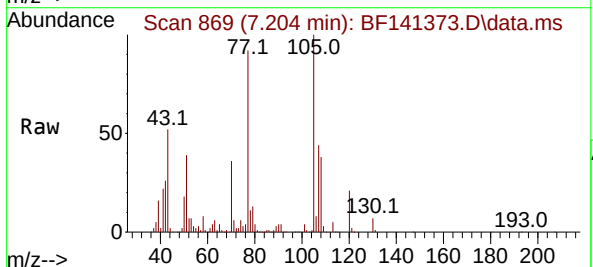
Ion Ratio Lower Upper

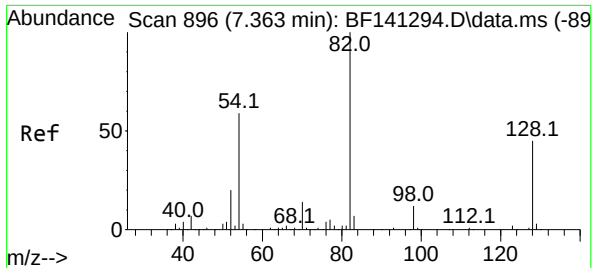
105 100

71 6.0 6.8 10.2#

51 38.8 32.6 49.0

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 80.499 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141373.D

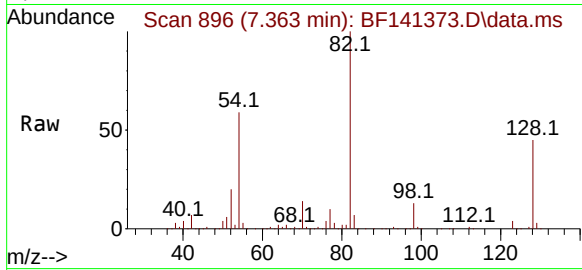
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 82 Resp: 632818

Ion Ratio Lower Upper

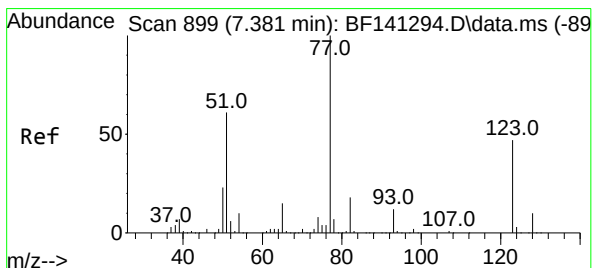
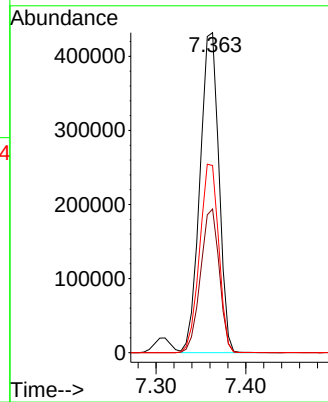
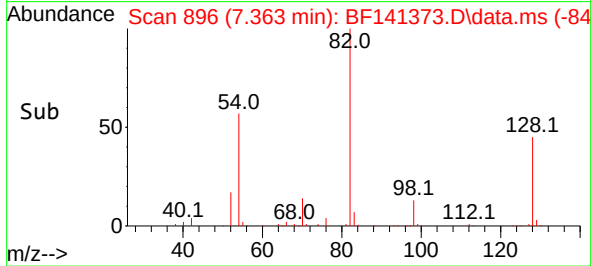
82 100

128 44.9 35.7 53.5

54 58.5 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#24

Nitrobenzene

Concen: 39.612 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

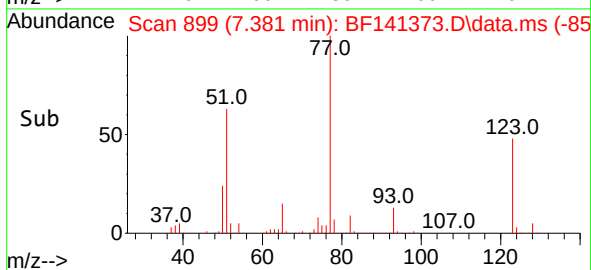
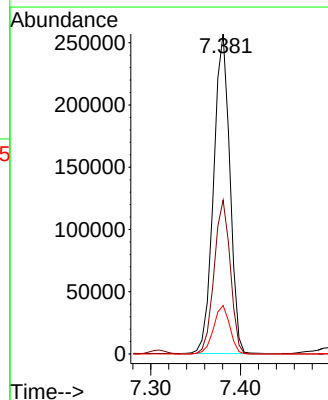
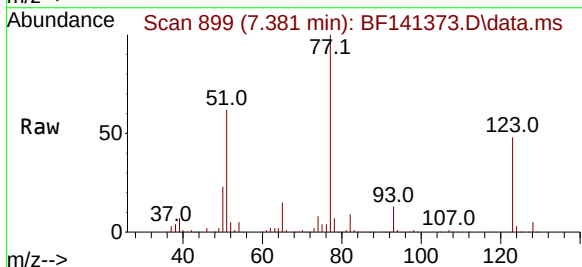
Tgt Ion: 77 Resp: 322702

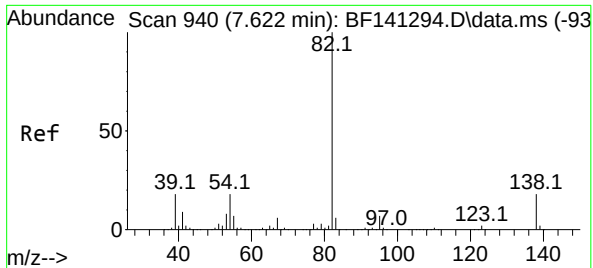
Ion Ratio Lower Upper

77 100

123 48.1 37.3 55.9

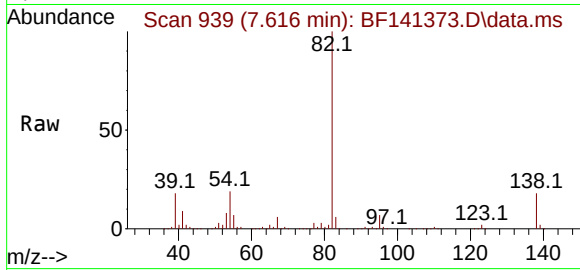
65 15.1 11.8 17.6





#25
Isophorone
Concen: 39.816 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

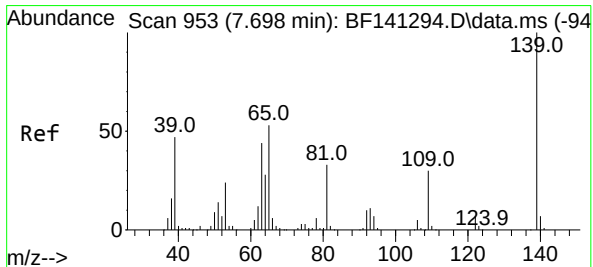
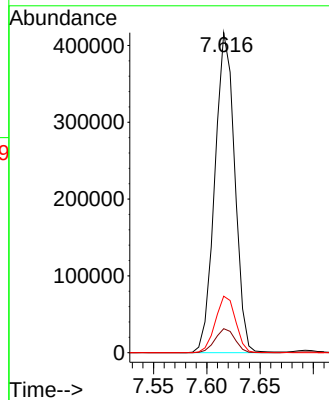
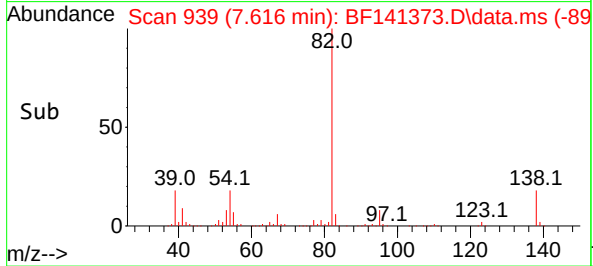
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



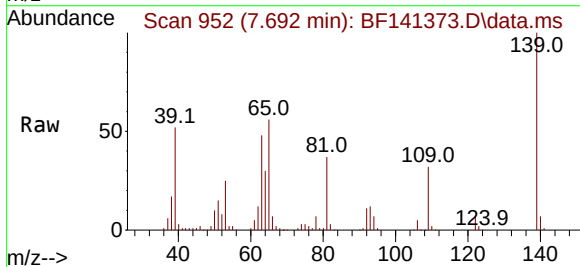
Tgt Ion: 82 Resp: 54105
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
APPROVED

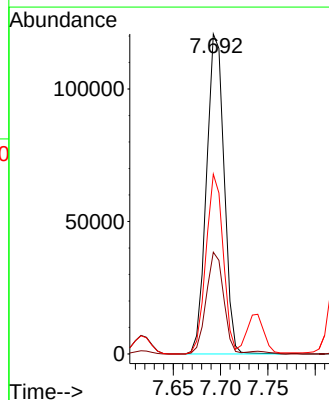
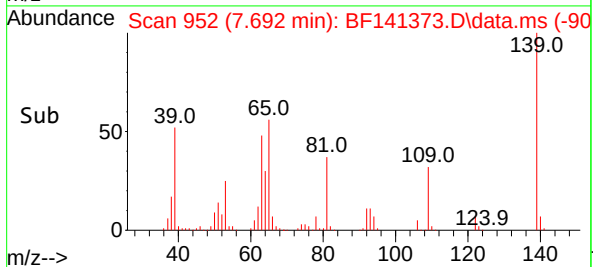
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

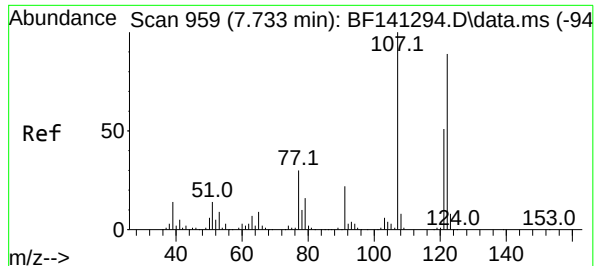


#26
2-Nitrophenol
Concen: 40.576 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:139 Resp: 155896
Ion Ratio Lower Upper
139 100
109 31.8 23.8 35.6
65 56.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 40.168 ng m

RT: 7.739 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 19643

Ion Ratio Lower Upper

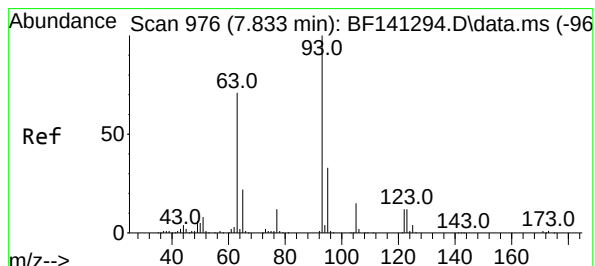
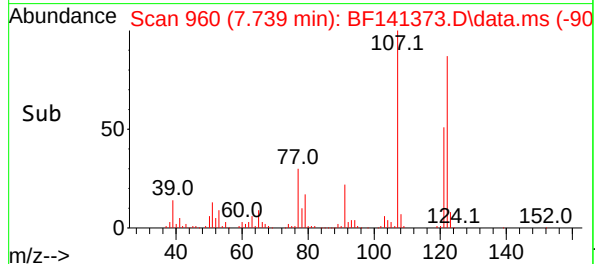
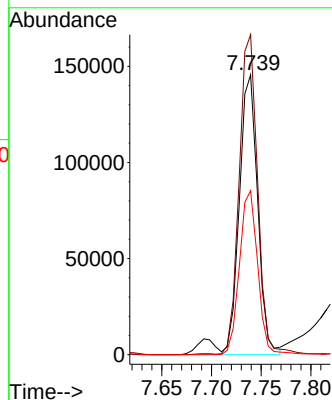
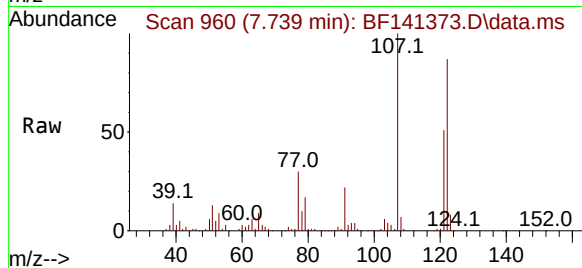
122 100

107 114.4 89.9 134.9

121 58.6 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#28

bis(2-Chloroethoxy)methane

Concen: 39.010 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

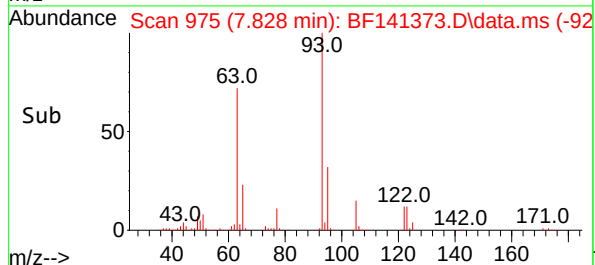
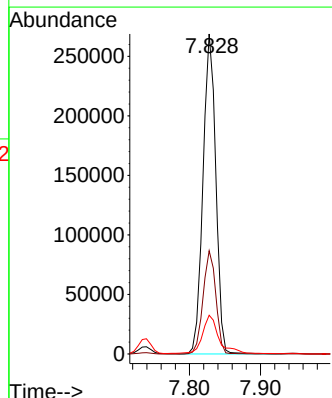
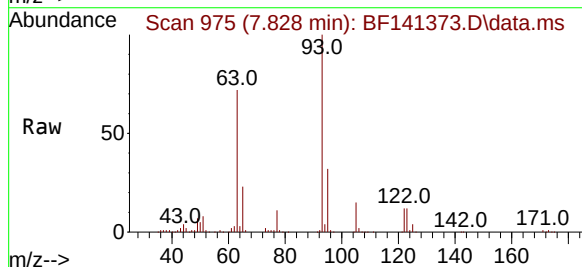
Tgt Ion: 93 Resp: 338131

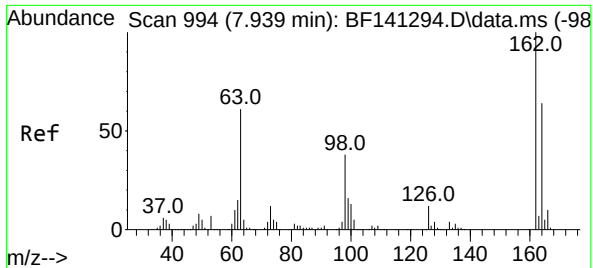
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 40.508 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141373.D

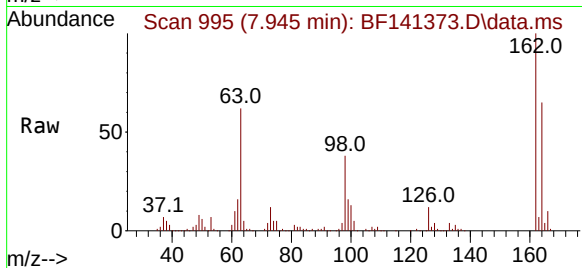
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 24251

Ion Ratio Lower Upper

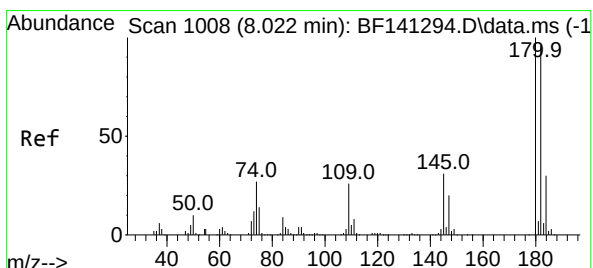
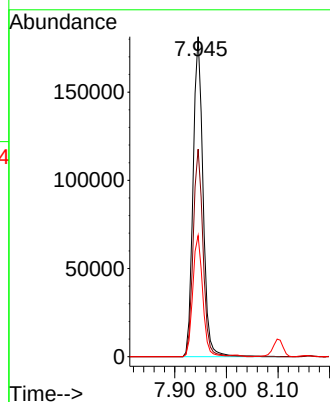
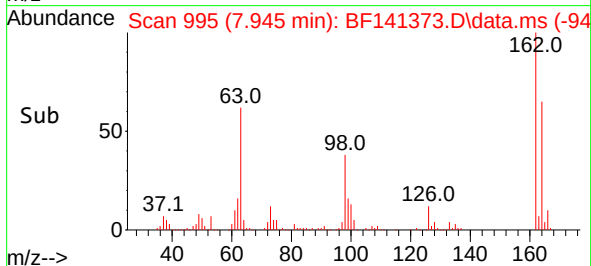
162 100

164 64.8 44.2 84.2

98 37.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#30

1,2,4-Trichlorobenzene

Concen: 39.757 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

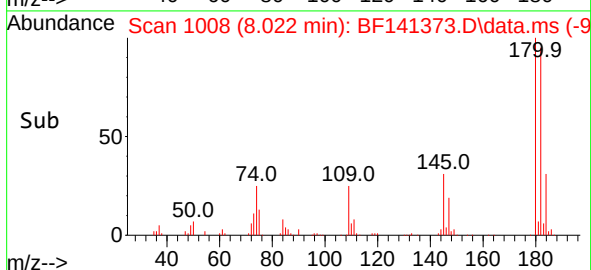
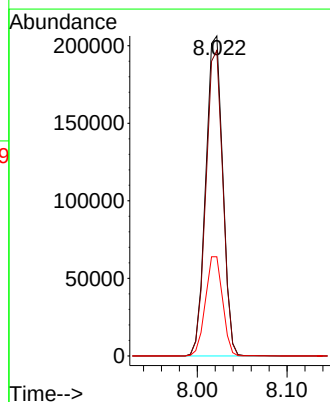
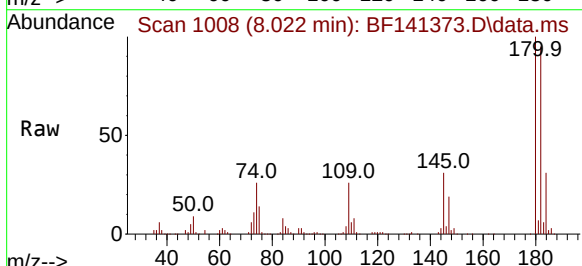
Tgt Ion:180 Resp: 271821

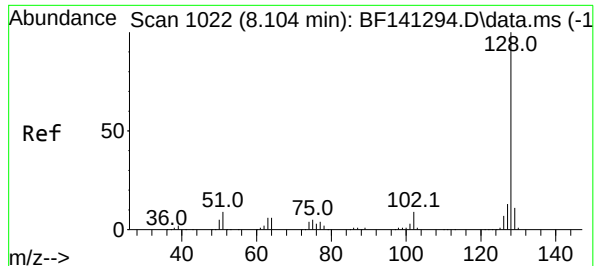
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 39.616 ng

RT: 8.098 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 86729

Ion Ratio Lower Upper

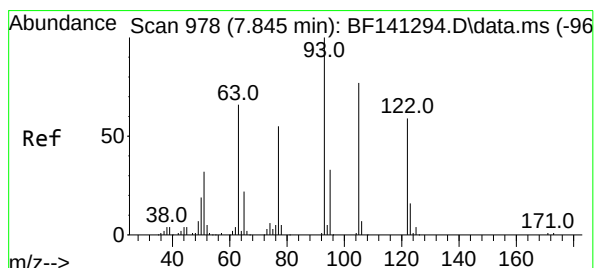
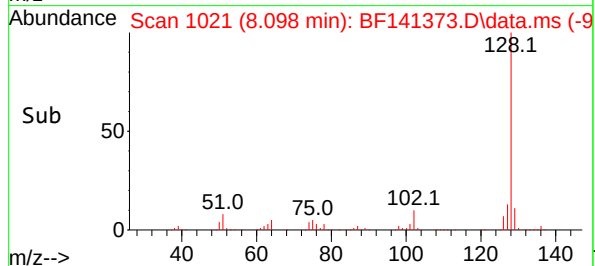
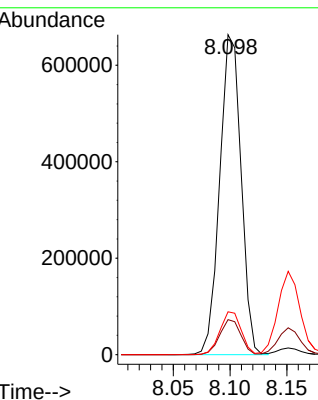
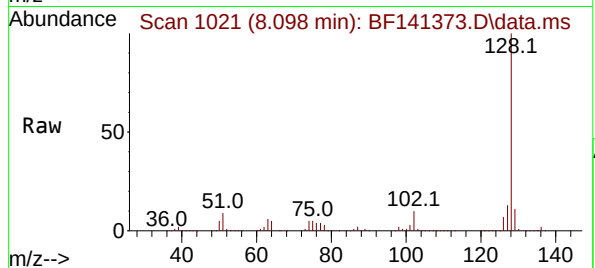
128 100

129 10.9 8.9 13.3

127 13.4 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#32

Benzoic acid

Concen: 42.934 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

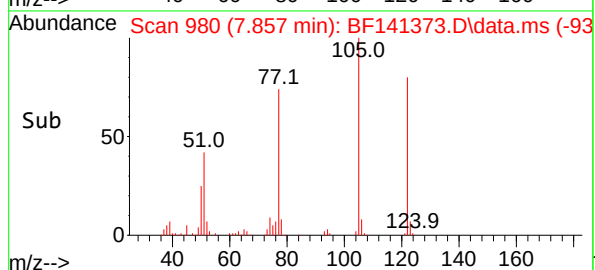
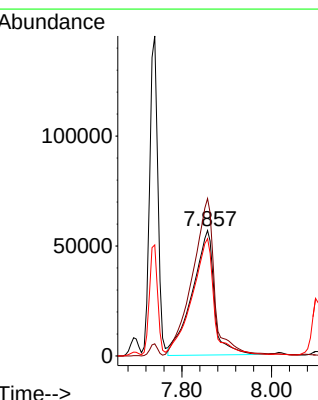
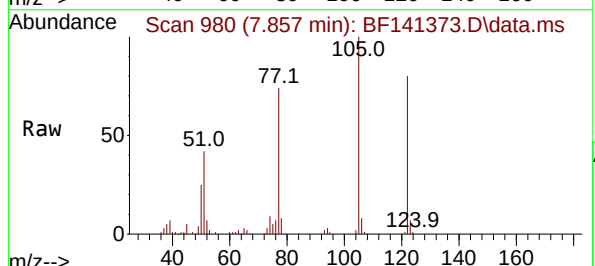
Tgt Ion:122 Resp: 193009

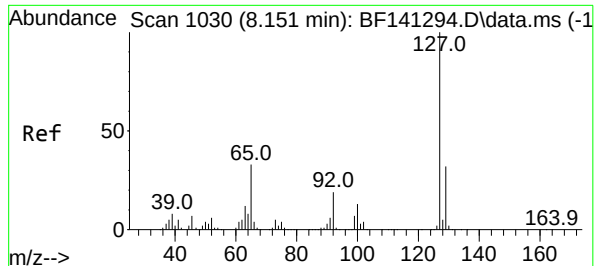
Ion Ratio Lower Upper

122 100

105 125.4 103.4 143.4

77 93.4 70.9 110.9





#33

4-Chloroaniline

Concen: 32.676 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 242580

Ion Ratio Lower Upper

127 100

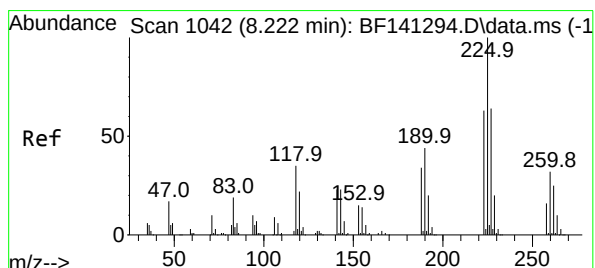
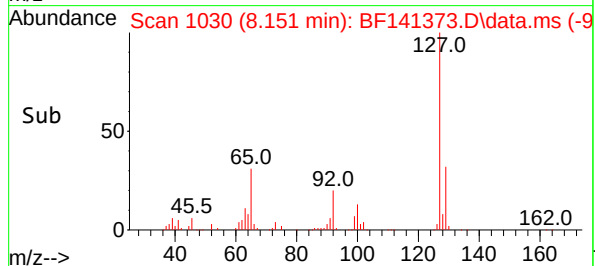
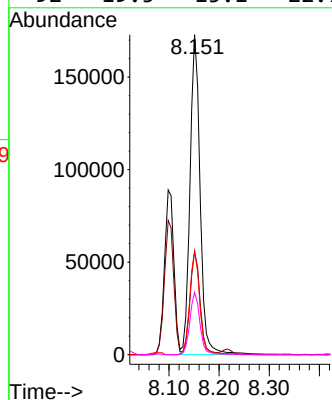
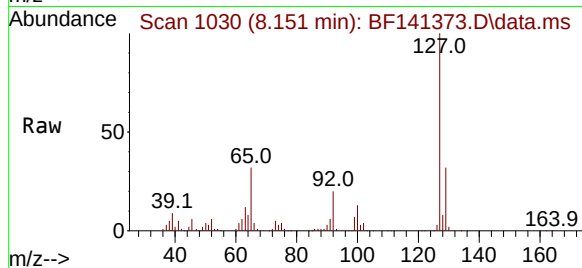
129 32.3 25.7 38.5

65 32.4 26.4 39.6

92 19.5 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#34

Hexachlorobutadiene

Concen: 42.128 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

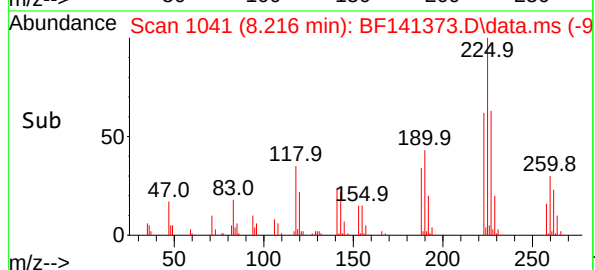
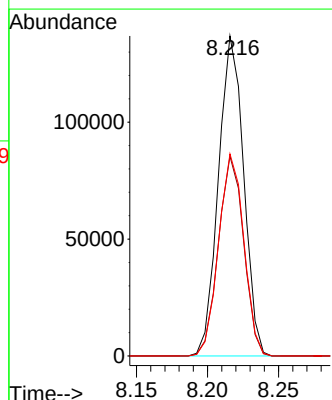
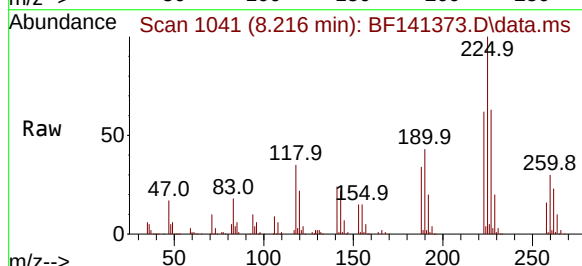
Tgt Ion:225 Resp: 168912

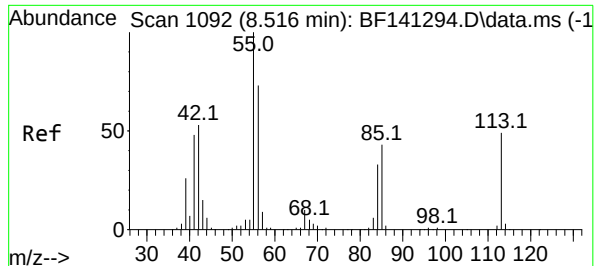
Ion Ratio Lower Upper

225 100

223 62.4 50.4 75.6

227 63.2 51.3 76.9





#35

Caprolactam

Concen: 40.764 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.030 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 79702

Ion Ratio Lower Upper

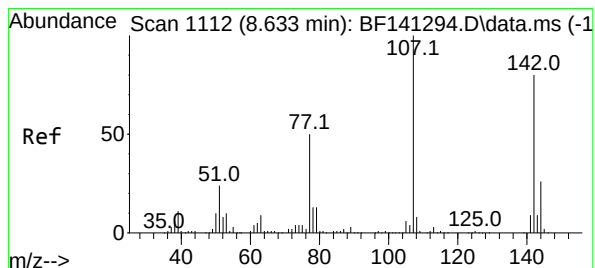
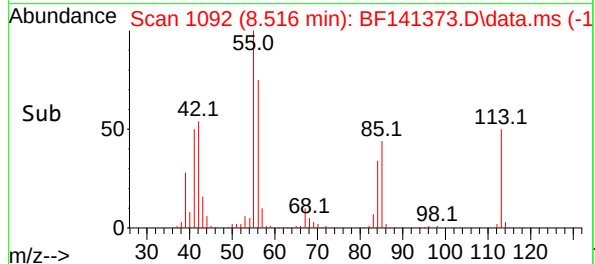
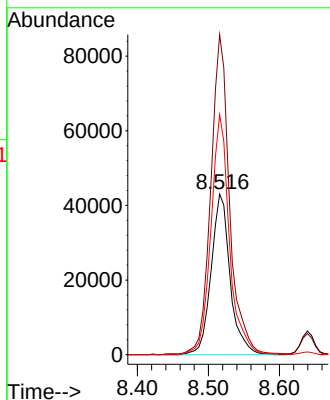
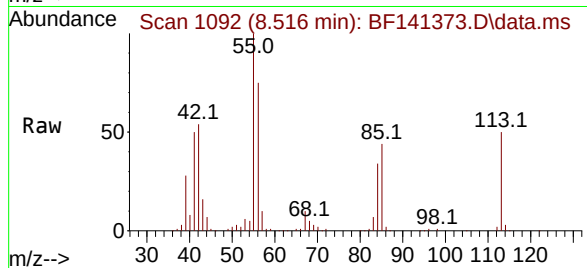
113 100

55 199.2 182.9 222.9

56 149.3 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#36

4-Chloro-3-methylphenol

Concen: 41.066 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

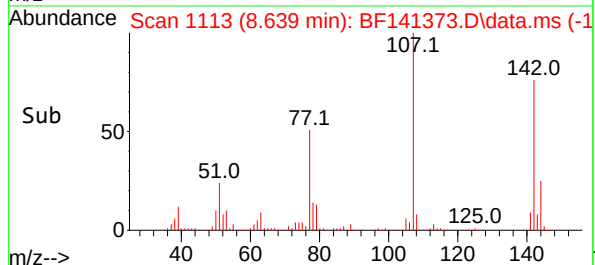
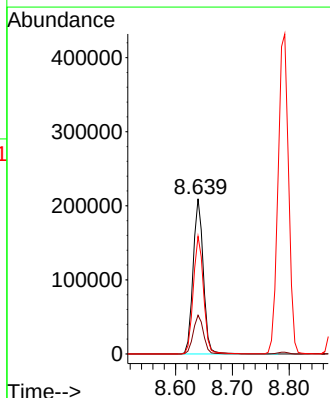
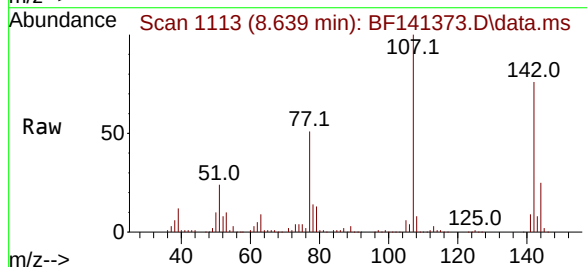
Tgt Ion:107 Resp: 263711

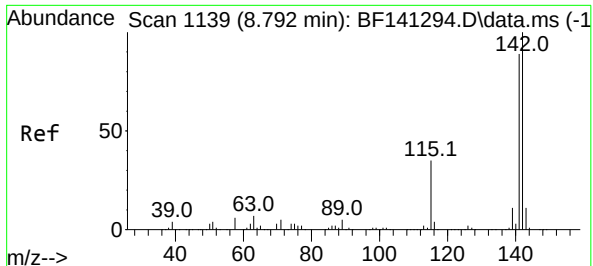
Ion Ratio Lower Upper

107 100

144 24.9 20.7 31.1

142 75.7 63.8 95.8





#37
2-Methylnaphthalene
Concen: 40.024 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

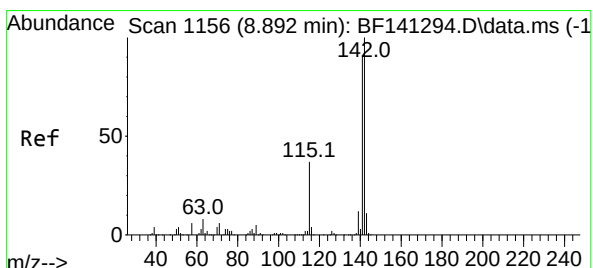
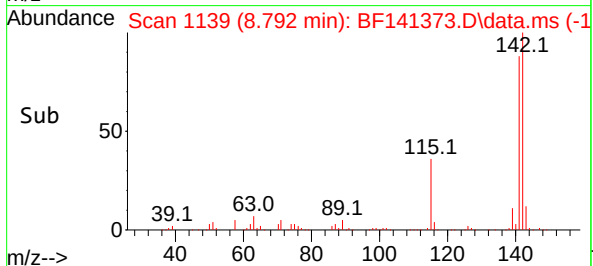
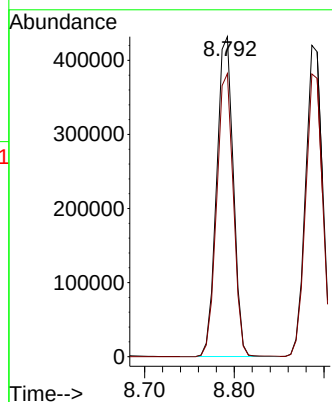
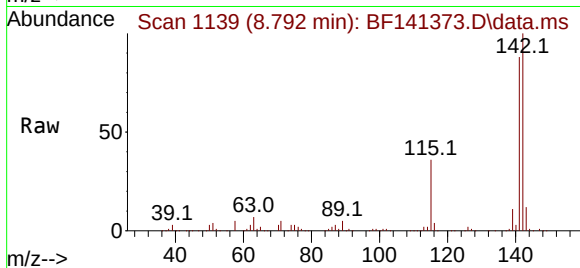
SSTDCCC040

Tgt Ion:142 Resp: 556900
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9

Manual Integrations

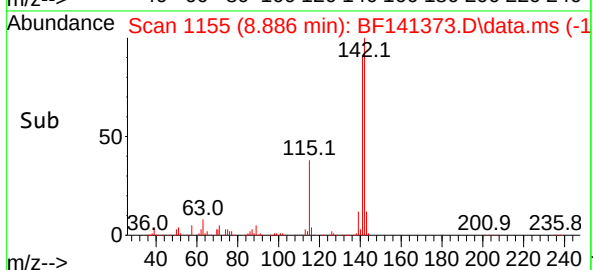
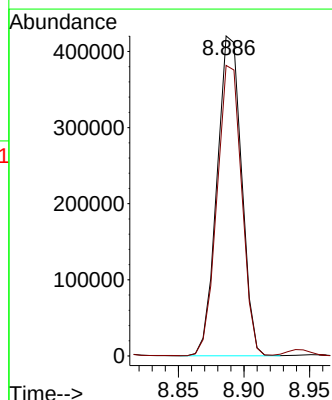
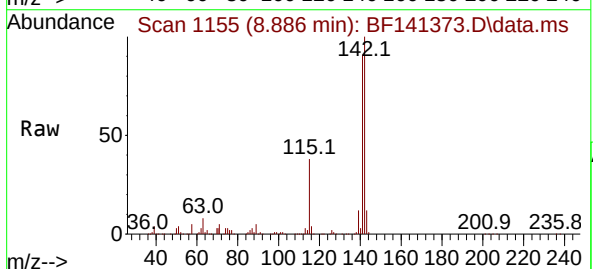
APPROVED

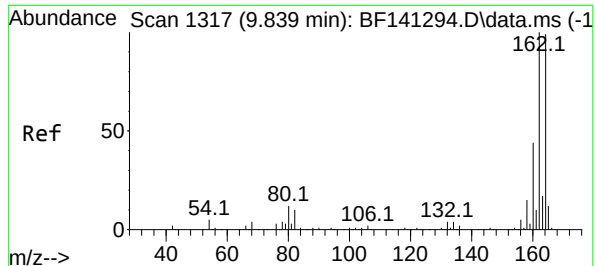
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 40.034 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 547195
Ion Ratio Lower Upper
142 100
141 90.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 226320

Ion Ratio Lower Upper

164 100

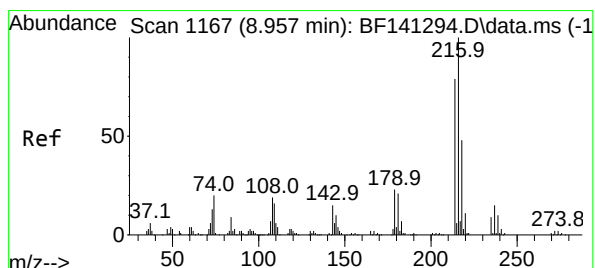
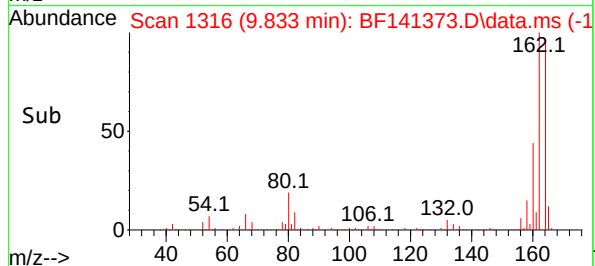
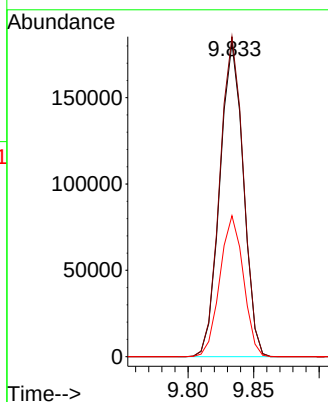
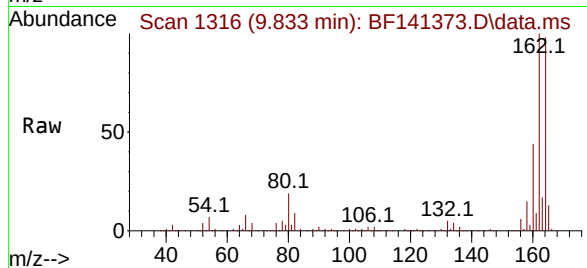
162 102.0 80.6 121.0

160 44.9 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.167 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:216 Resp: 258626

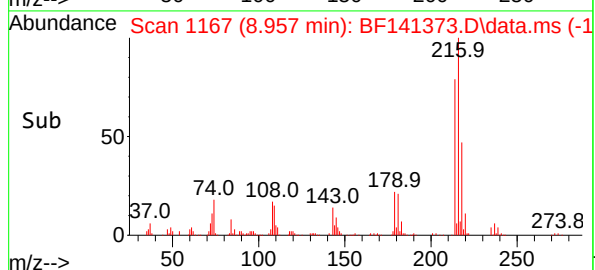
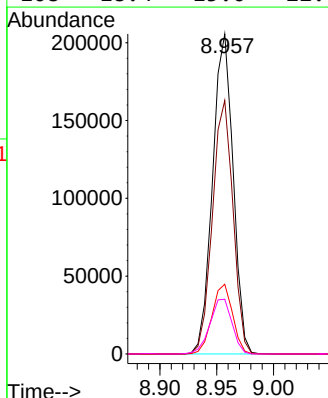
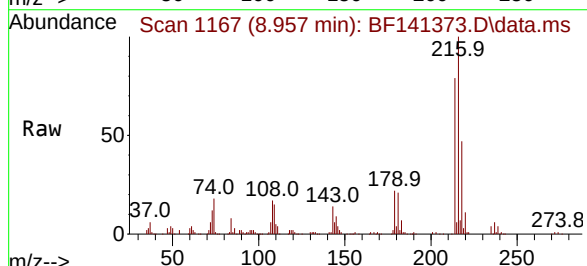
Ion Ratio Lower Upper

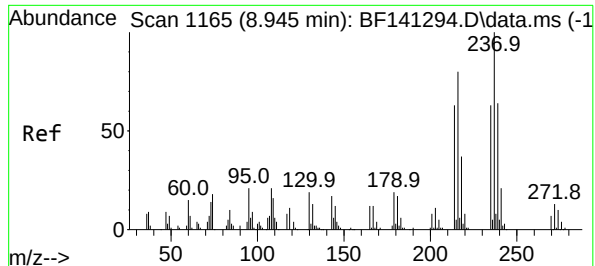
216 100

214 79.1 63.2 94.8

179 21.8 17.8 26.8

108 18.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 44.173 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 83990

Ion Ratio Lower Upper

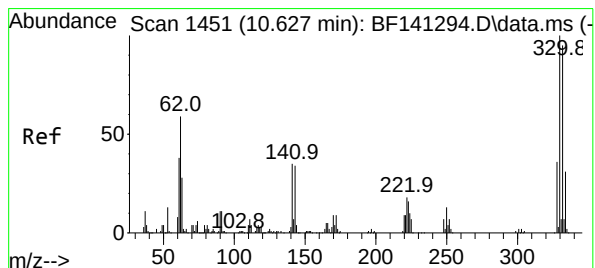
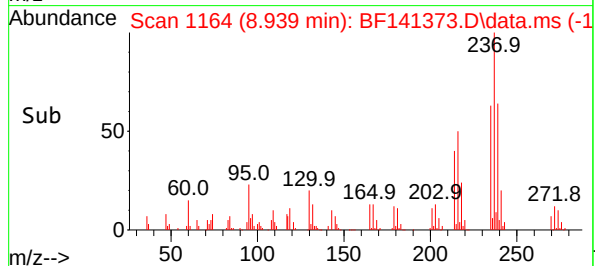
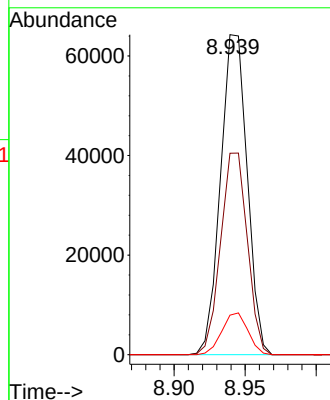
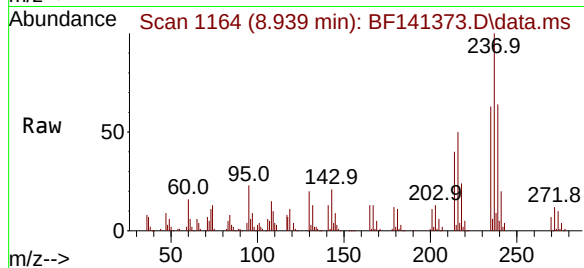
237 100

235 63.0 42.9 82.9

272 12.4 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#42

2,4,6-Tribromophenol

Concen: 84.706 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

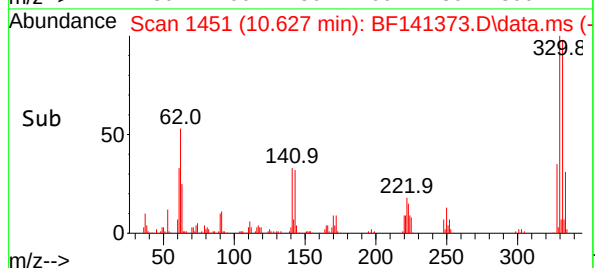
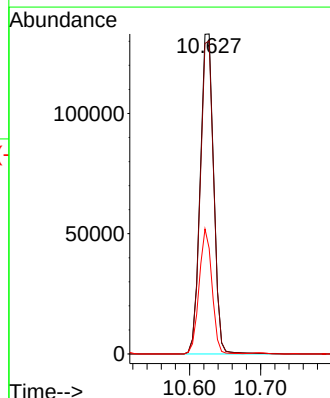
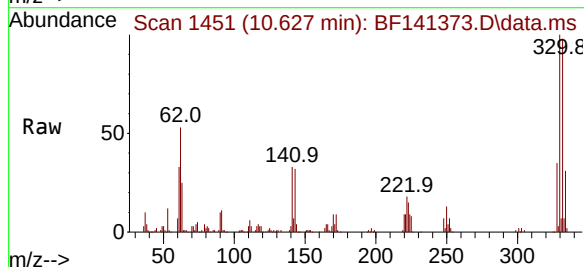
Tgt Ion:330 Resp: 175756

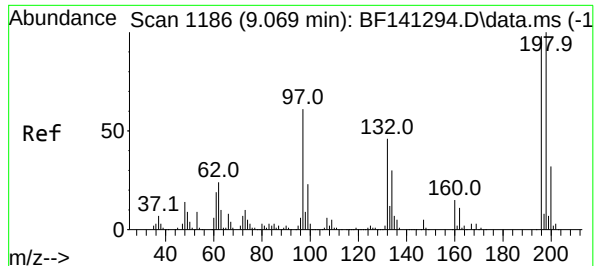
Ion Ratio Lower Upper

330 100

332 97.6 76.1 114.1

141 37.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 40.768 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 171810

Ion Ratio Lower Upper

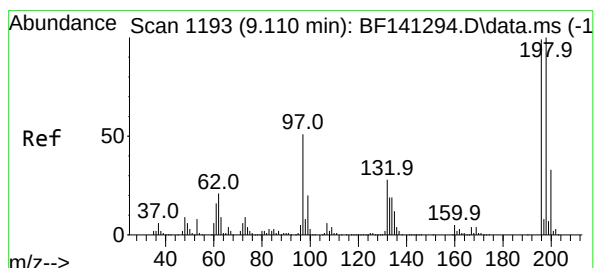
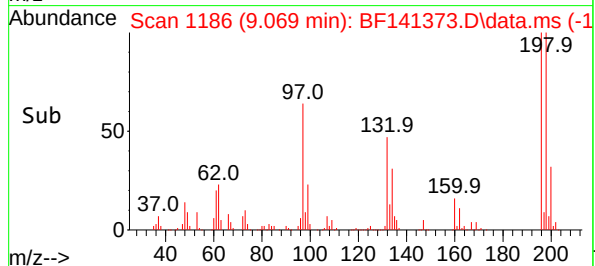
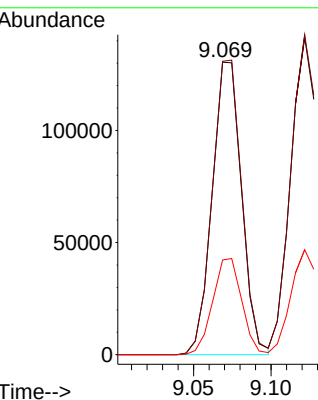
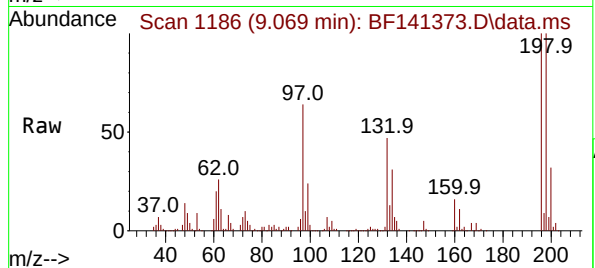
196 100

198 100.3 81.8 122.6

200 32.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#44

2,4,5-Trichlorophenol

Concen: 40.747 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Tgt Ion:196 Resp: 186902

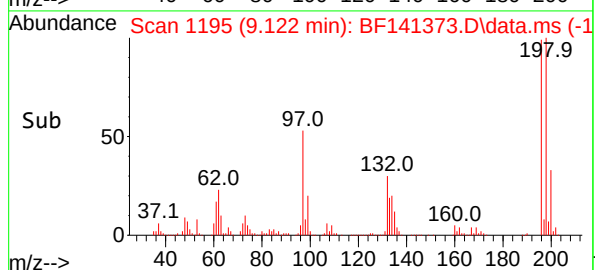
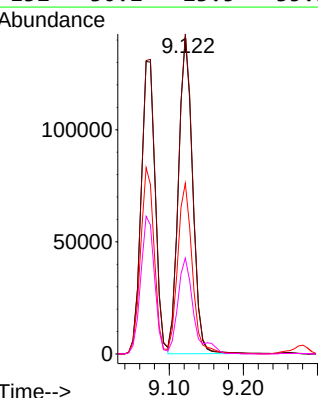
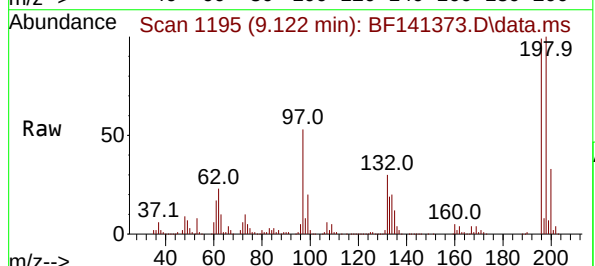
Ion Ratio Lower Upper

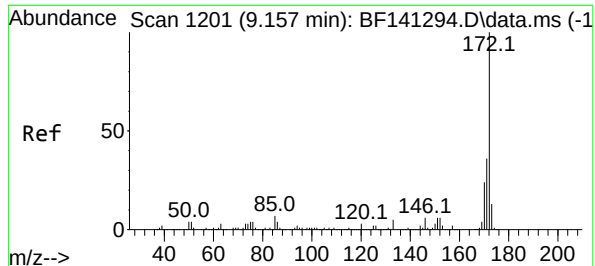
196 100

198 100.8 80.5 120.7

97 53.8 42.8 64.2

132 30.2 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 79.517 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 116923

Ion Ratio Lower Upper

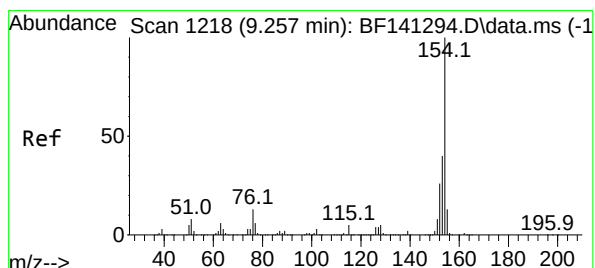
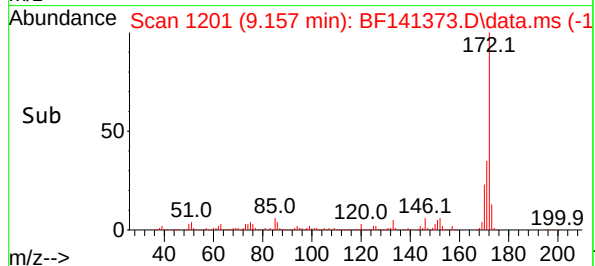
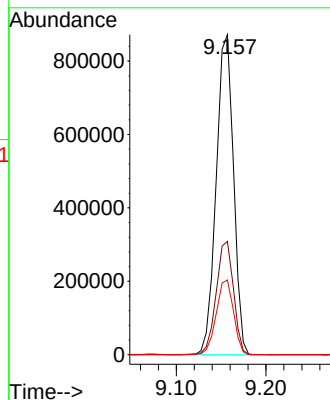
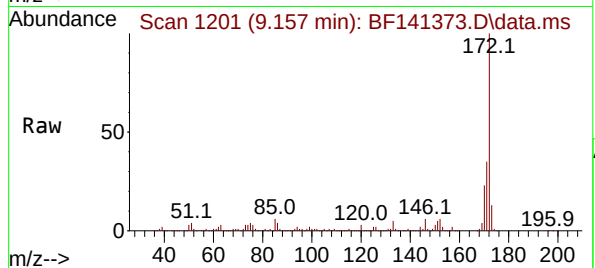
172 100

171 35.4 28.8 43.2

170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#46

1,1'-Biphenyl

Concen: 39.393 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

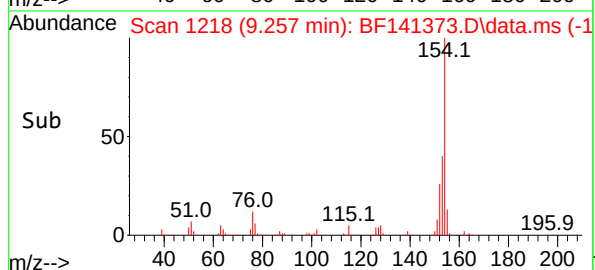
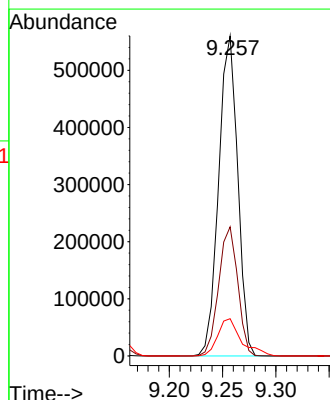
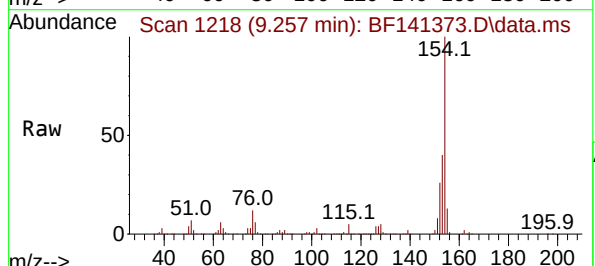
Tgt Ion:154 Resp: 695314

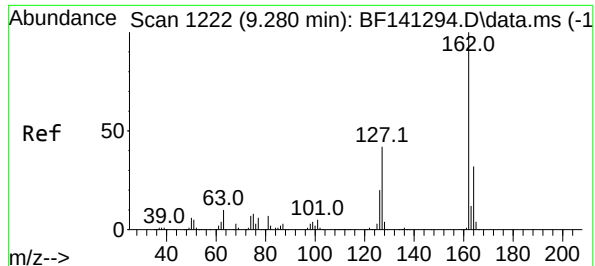
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 11.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.346 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 541319

Ion Ratio Lower Upper

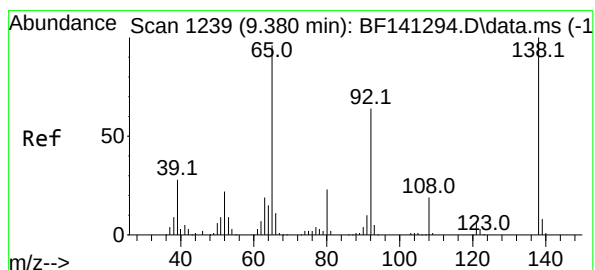
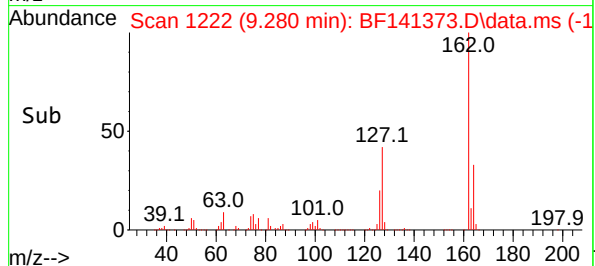
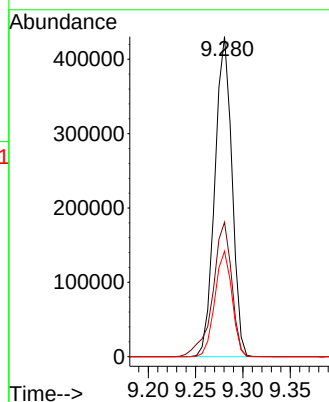
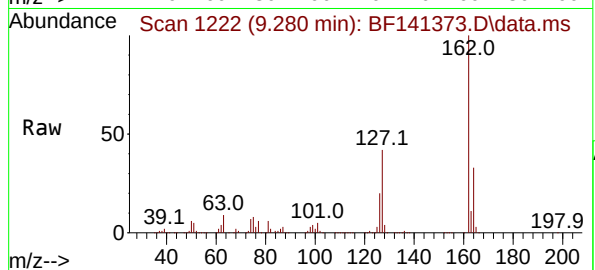
162 100

127 42.0 33.7 50.5

164 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#48

2-Nitroaniline

Concen: 40.613 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

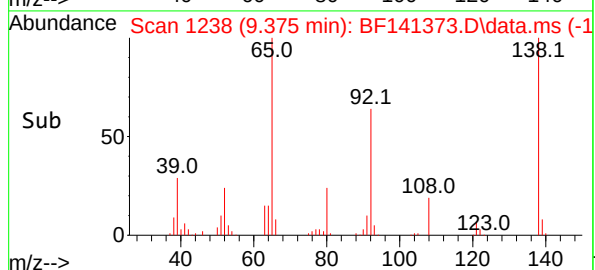
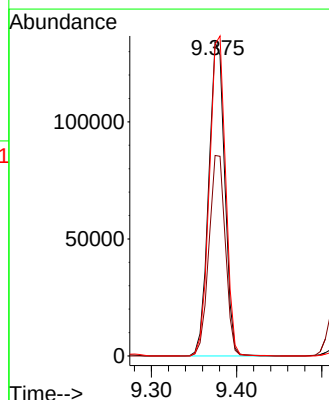
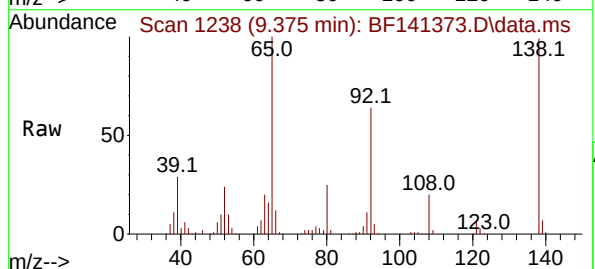
Tgt Ion: 65 Resp: 175746

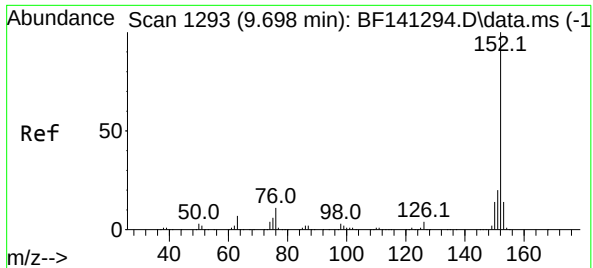
Ion Ratio Lower Upper

65 100

92 63.9 53.3 79.9

138 99.3 83.6 125.4





#49

Acenaphthylene

Concen: 39.561 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141373.D

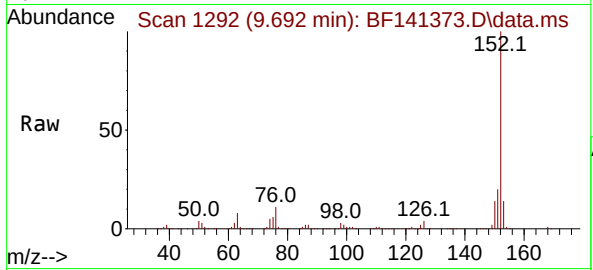
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 761884

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

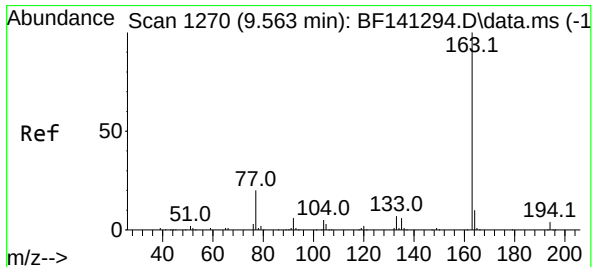
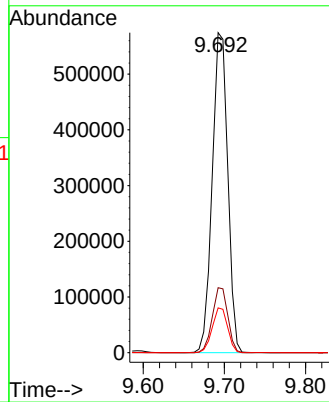
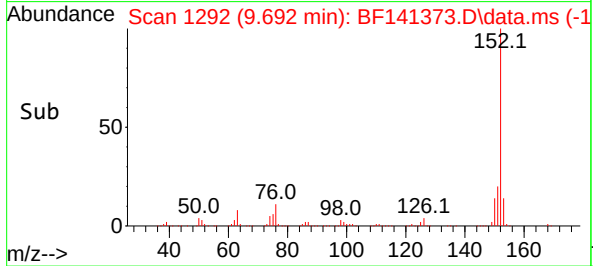
153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

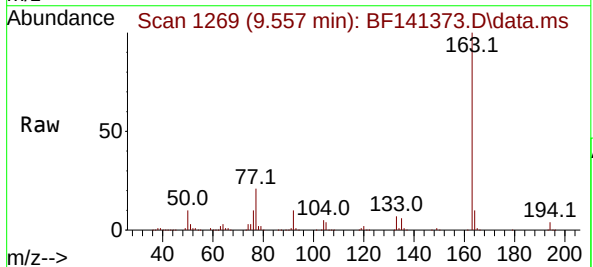
Concen: 40.182 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14



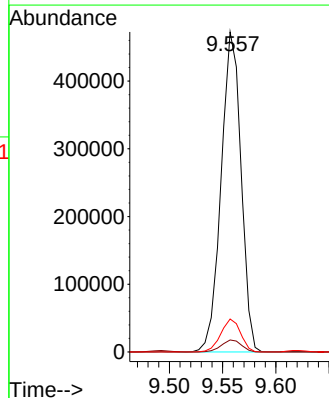
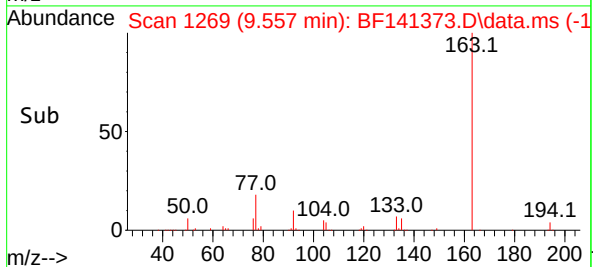
Tgt Ion:163 Resp: 614225

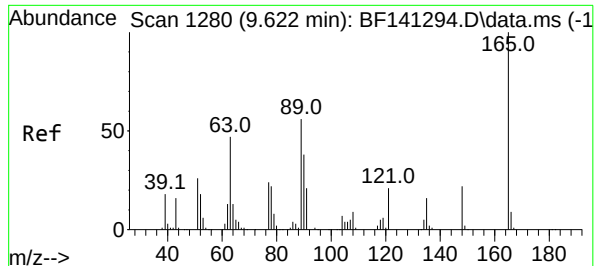
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.3 8.0 12.0





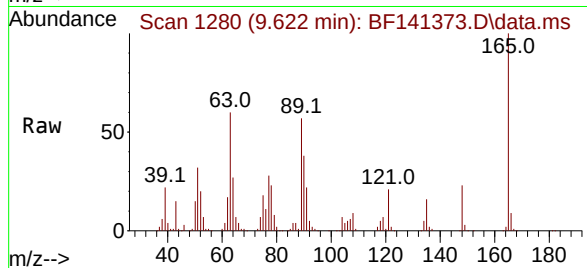
#51
2,6-Dinitrotoluene
Concen: 40.128 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

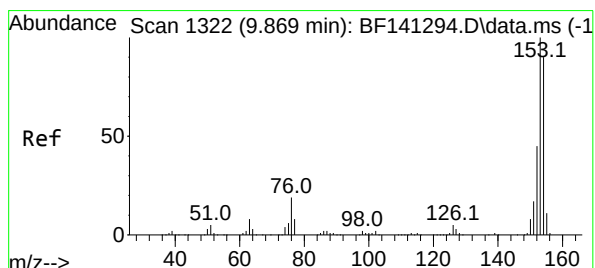
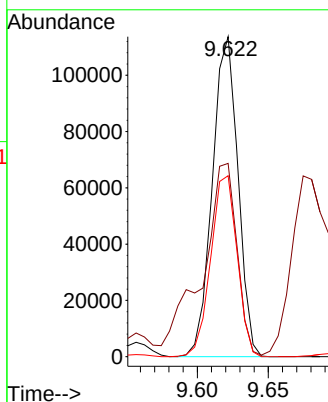
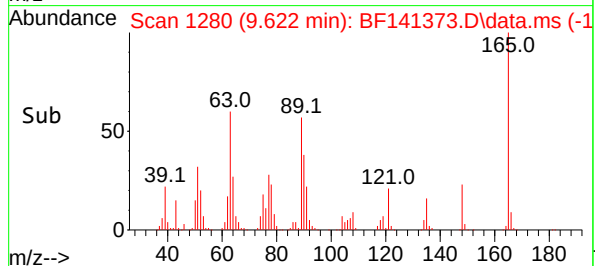


Tgt Ion:165 Resp: 142420
Ion Ratio Lower Upper
165 100
63 60.4 48.1 72.1
89 56.5 44.9 67.3

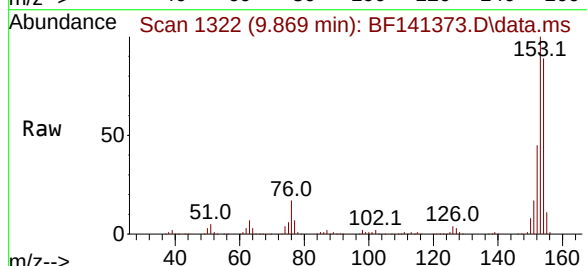
Manual Integrations

APPROVED

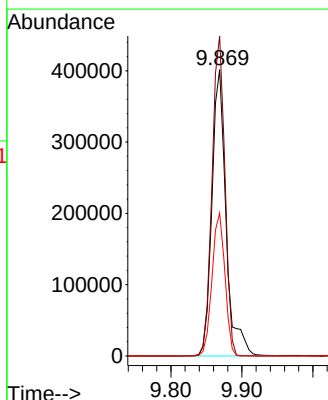
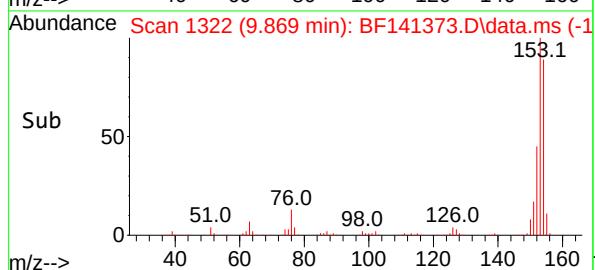
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

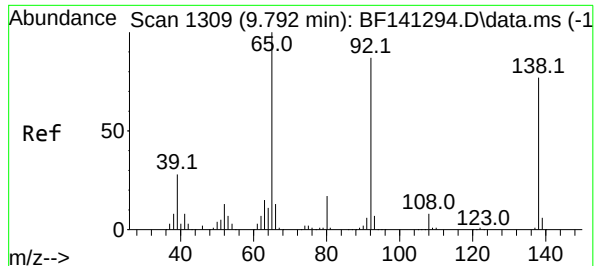


#52
Acenaphthene
Concen: 40.321 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:154 Resp: 554750
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 49.9 40.2 60.4





#53

3-Nitroaniline

Concen: 40.403 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 140549

Ion Ratio Lower Upper

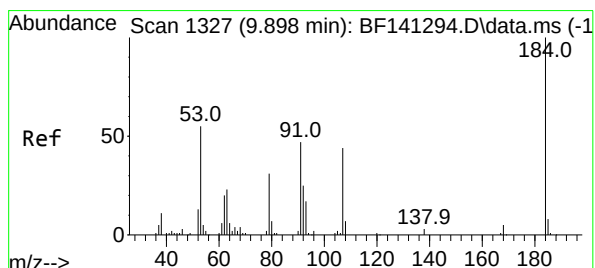
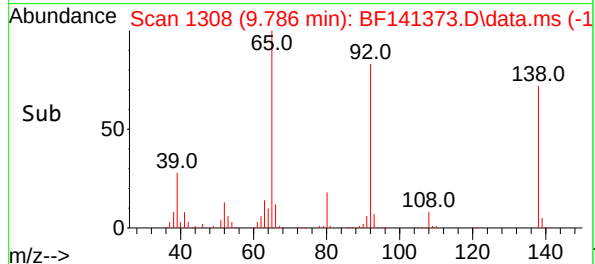
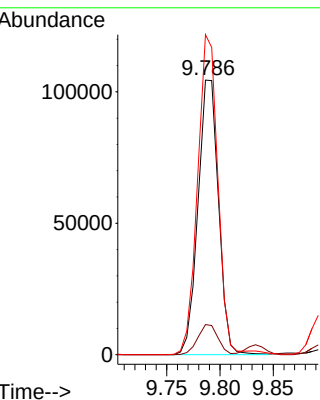
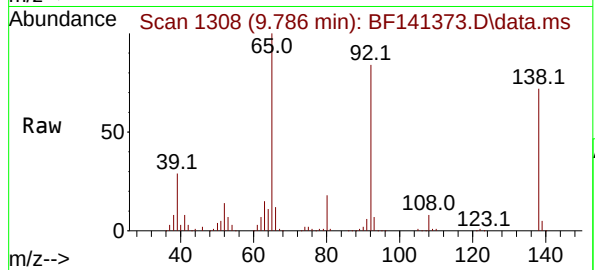
138 100

108 10.9 8.6 12.8

92 116.5 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#54

2,4-Dinitrophenol

Concen: 46.667 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

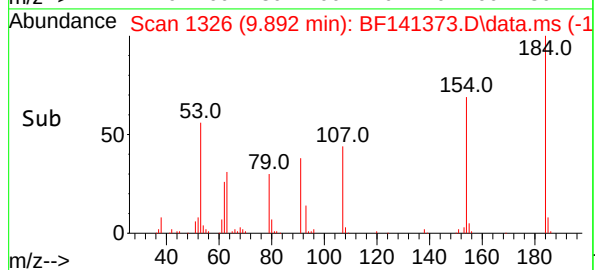
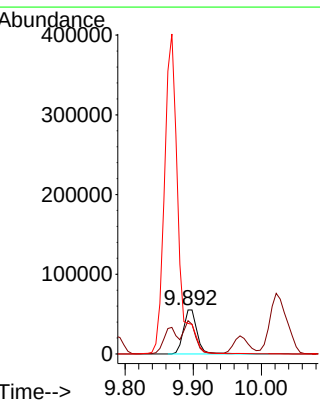
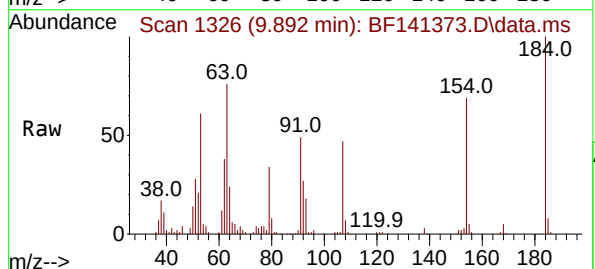
Tgt Ion:184 Resp: 76994

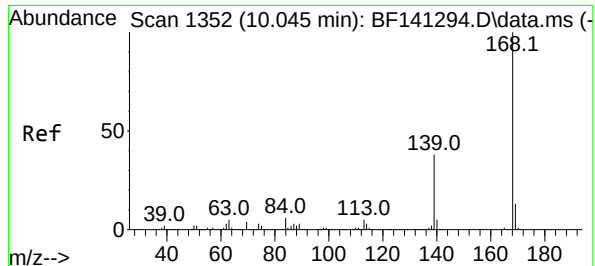
Ion Ratio Lower Upper

184 100

63 75.5 54.1 81.1

154 69.4 50.7 76.1





#55

Dibenzenofuran

Concen: 39.528 ng

RT: 10.039 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 727950

Ion Ratio Lower Upper

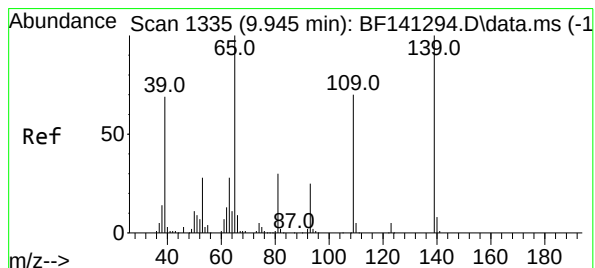
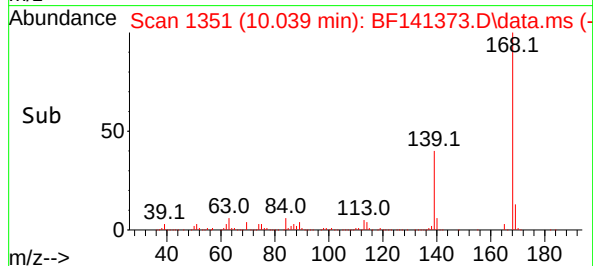
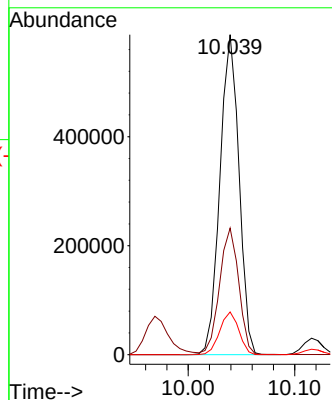
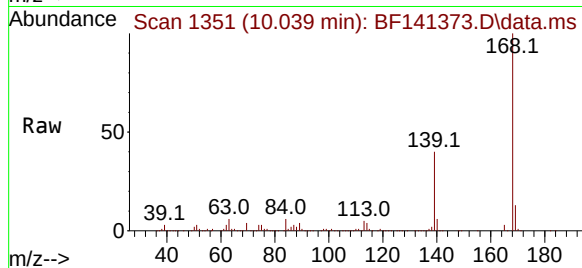
168 100

139 39.6 30.6 46.0

169 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#56

4-Nitrophenol

Concen: 41.887 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

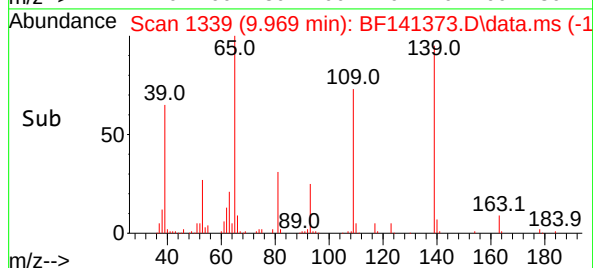
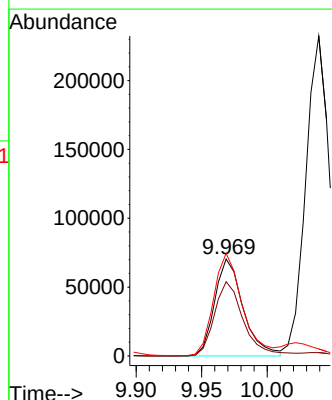
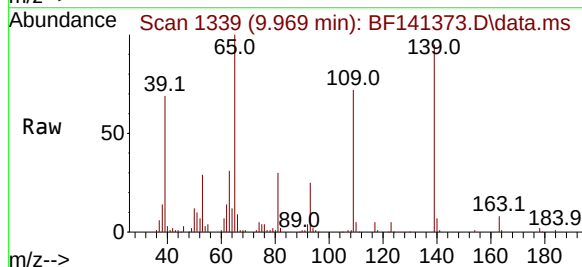
Tgt Ion:139 Resp: 106562

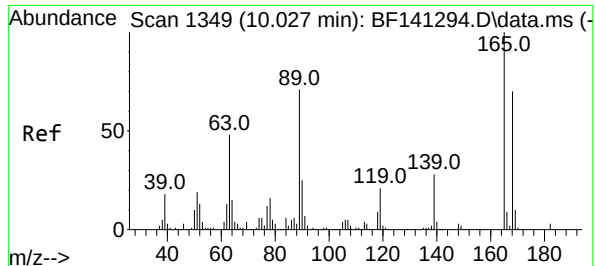
Ion Ratio Lower Upper

139 100

109 76.5 50.2 90.2

65 105.7 80.6 120.6





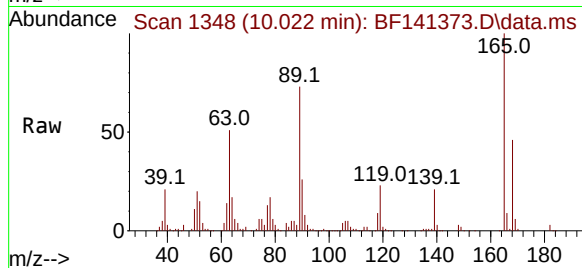
#57
2,4-Dinitrotoluene
Concen: 41.657 ng
RT: 10.022 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

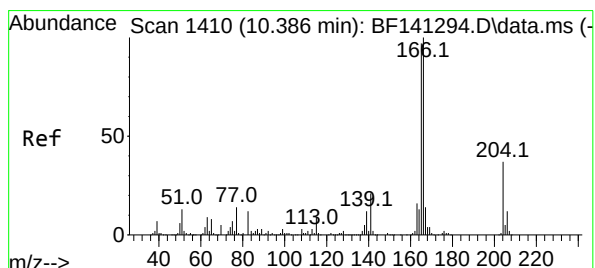
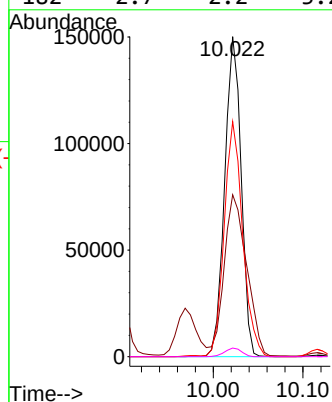
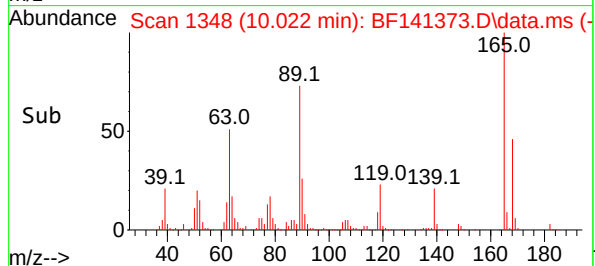


Tgt Ion:165 Resp: 191429
Ion Ratio Lower Upper
165 100
63 50.6 39.2 58.8
89 73.5 56.9 85.3
182 2.7 2.2 3.2

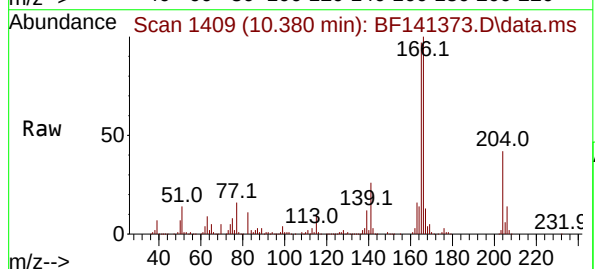
Manual Integrations

APPROVED

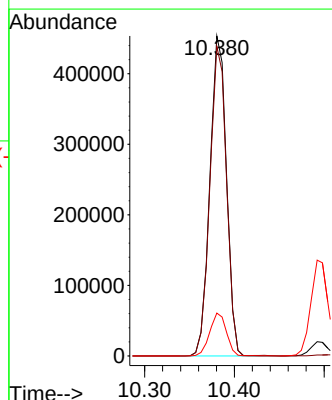
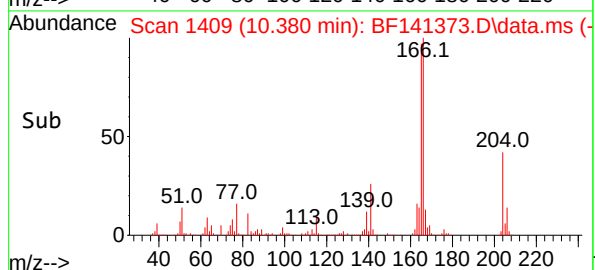
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

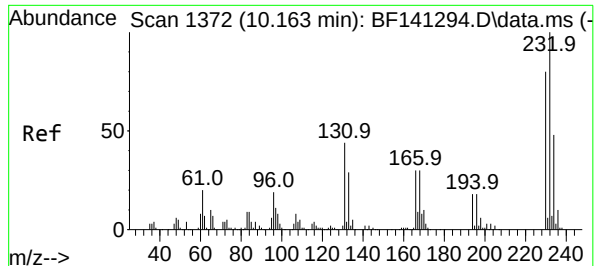


#58
Fluorene
Concen: 40.737 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



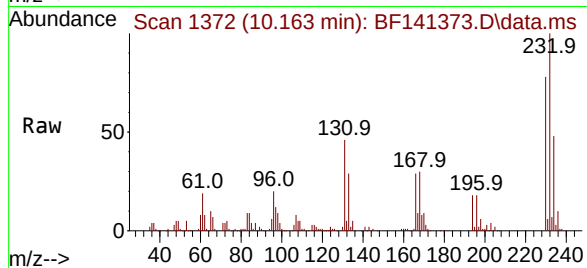
Tgt Ion:166 Resp: 581931
Ion Ratio Lower Upper
166 100
165 96.7 77.5 116.3
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.131 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

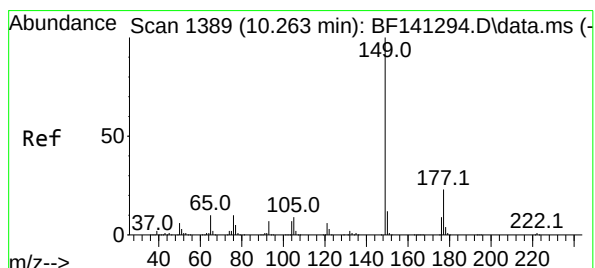
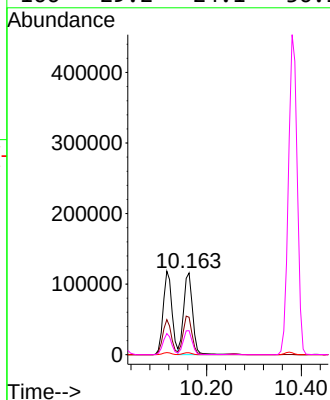
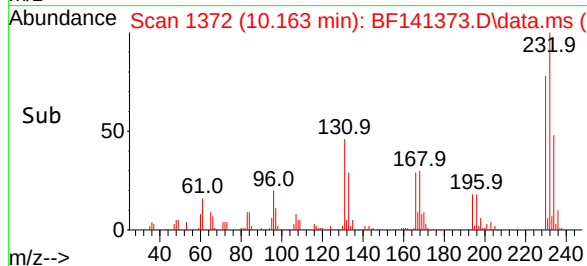
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 152031
Ion Ratio Lower Upper
232 100
131 47.1 36.4 54.6
130 2.3 1.9 2.9
166 29.2 24.1 36.1

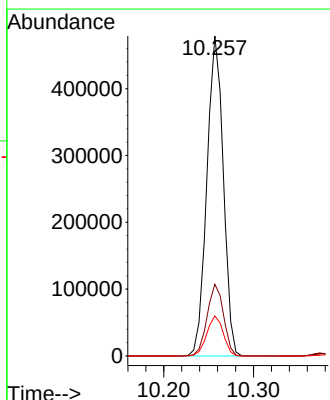
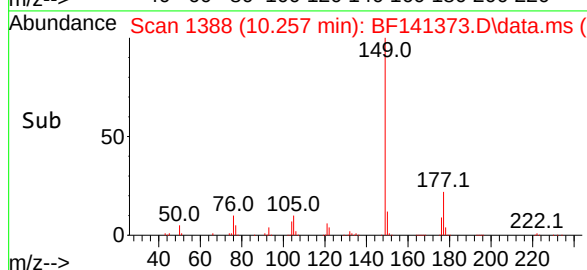
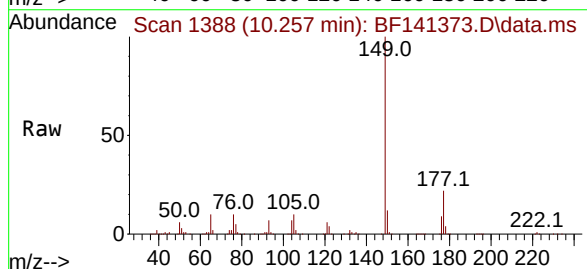
Manual Integrations
APPROVED

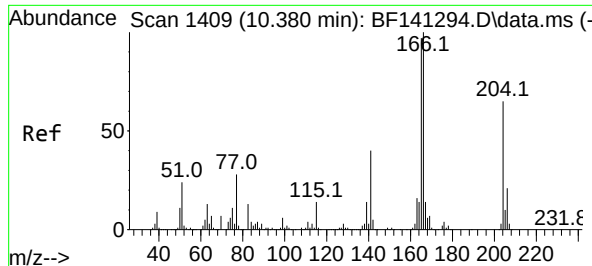
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 41.105 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 609242
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0





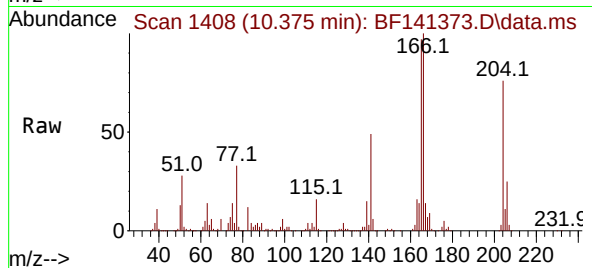
#61
4-Chlorophenyl-phenylether
Concen: 40.268 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

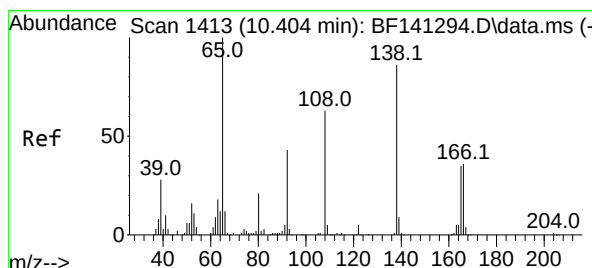
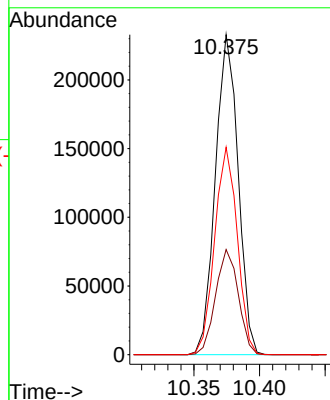
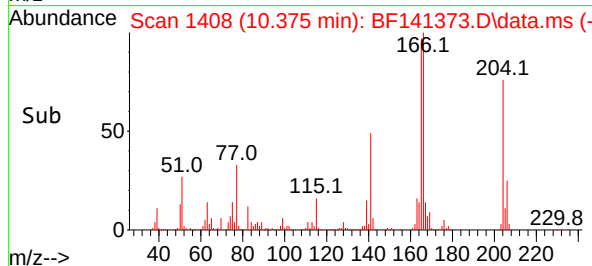


Tgt Ion:204 Resp: 28098
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 64.8 49.5 74.3

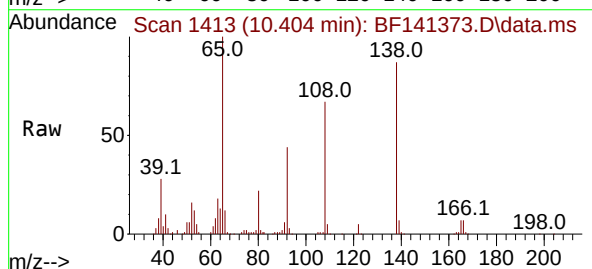
Manual Integrations

APPROVED

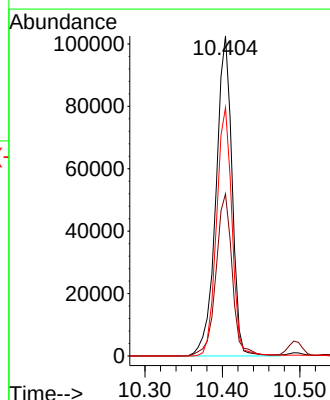
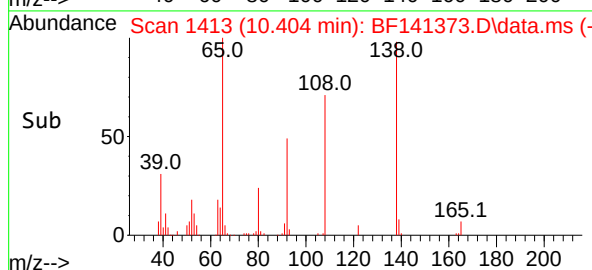
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

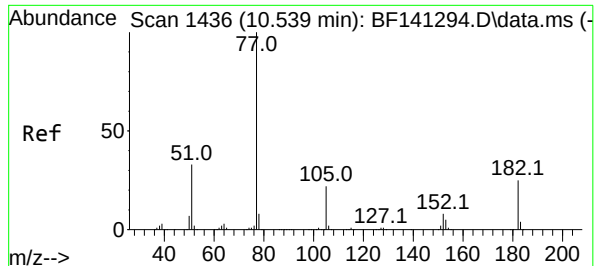


#62
4-Nitroaniline
Concen: 43.258 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:138 Resp: 147941
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 77.6 53.1 93.1





#63
Azobenzene
Concen: 39.486 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

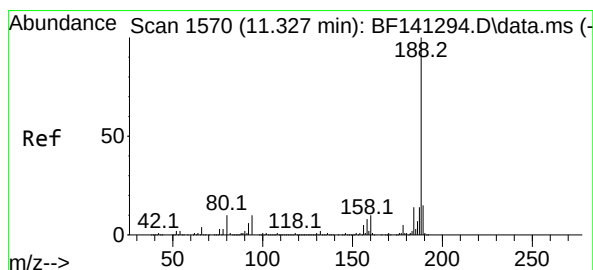
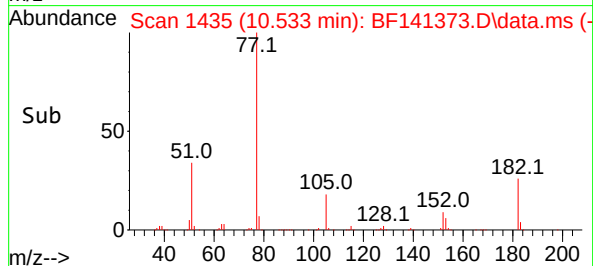
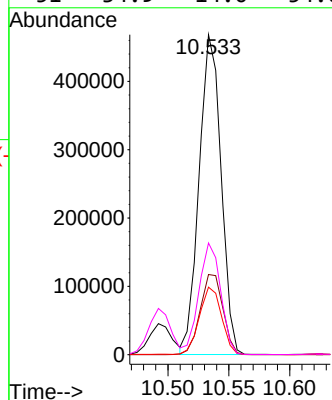
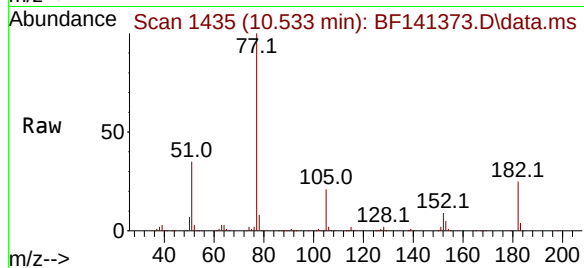
SSTDCCC040

Tgt Ion: 77 Resp: 585808
Ion Ratio Lower Upper
77 100
182 25.1 5.1 45.1
105 21.1 1.8 41.8
51 34.9 14.0 54.0

Manual Integrations

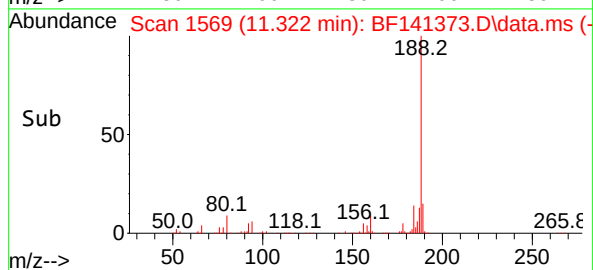
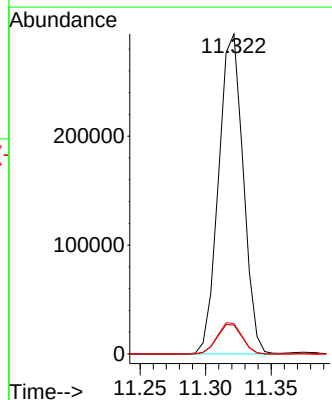
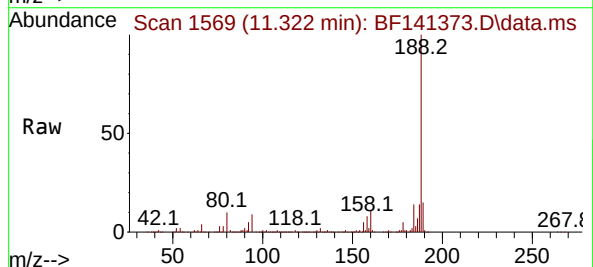
APPROVED

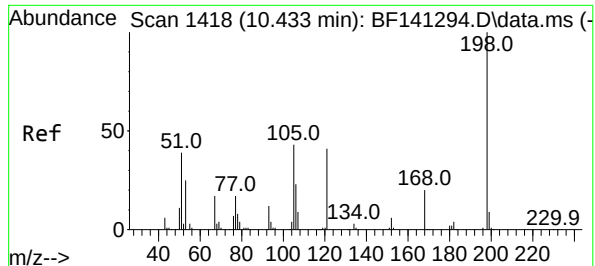
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:188 Resp: 383558
Ion Ratio Lower Upper
188 100
94 9.0 7.8 11.6
80 9.5 8.2 12.4





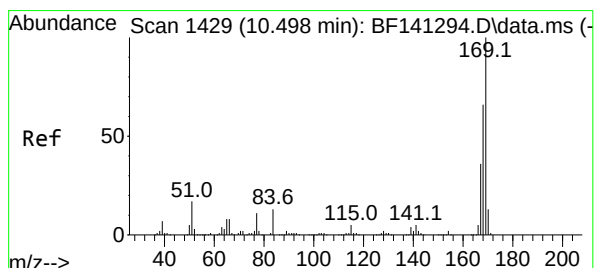
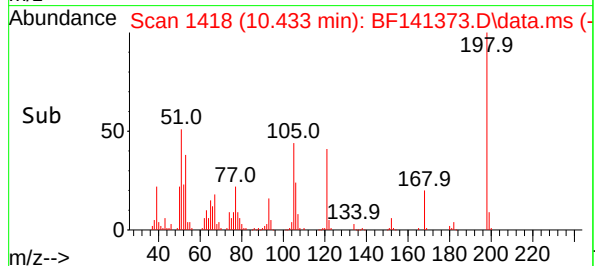
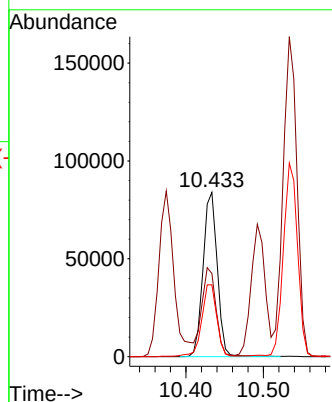
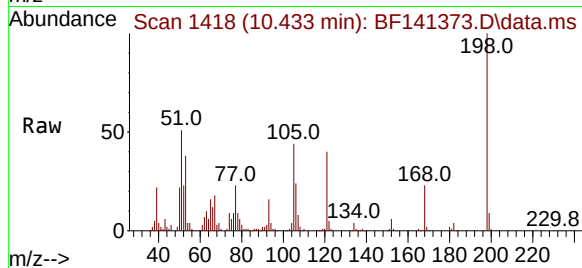
#65
4,6-Dinitro-2-methylphenol
Concen: 47.204 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 107091
Ion Ratio Lower Upper
198 100
51 50.6 33.4 73.4
105 43.7 24.4 64.4

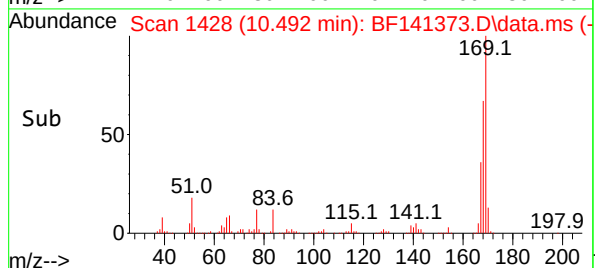
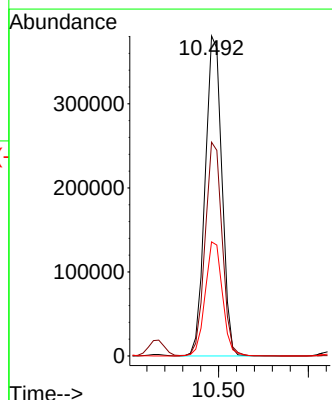
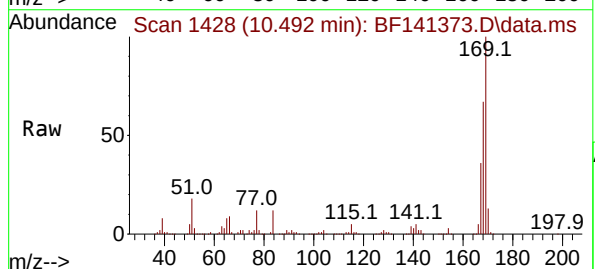
Manual Integrations
APPROVED

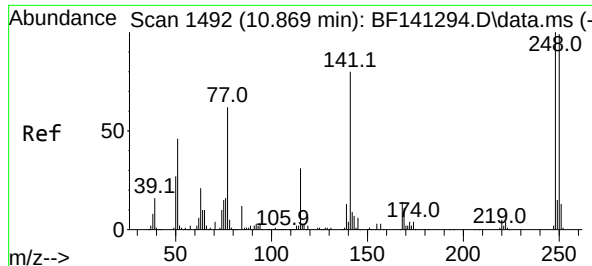
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 39.703 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

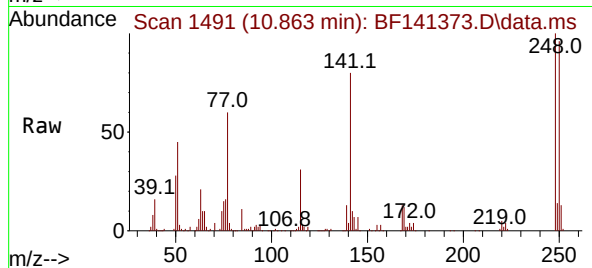
Tgt Ion:169 Resp: 492539
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.4
167 35.6 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 41.761 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

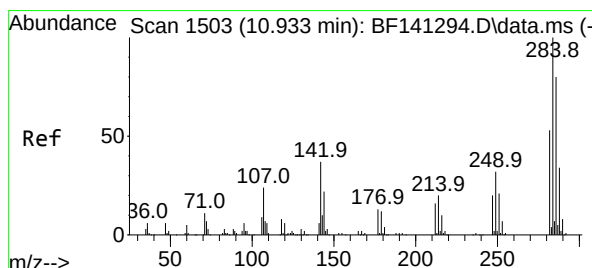
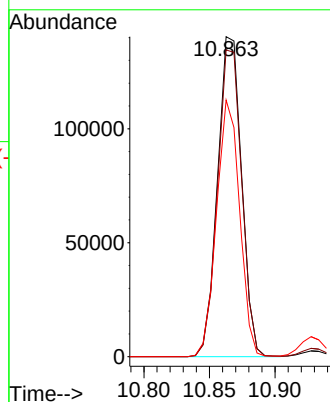
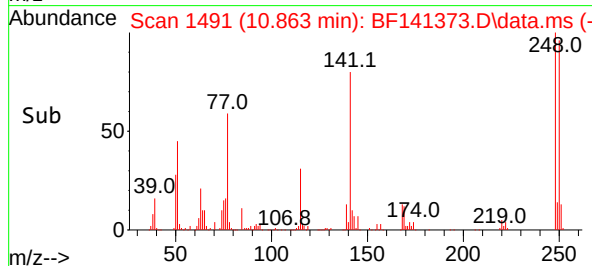
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



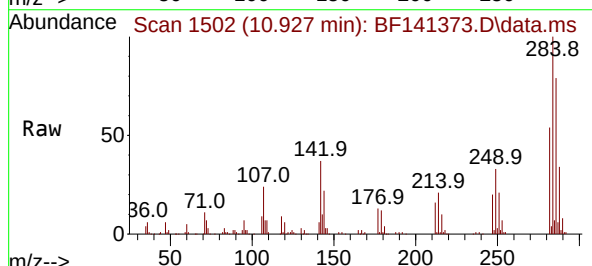
Tgt Ion:248 Resp: 179324
Ion Ratio Lower Upper
248 100
250 95.9 79.0 118.4
141 80.2 63.7 95.5

Manual Integrations
APPROVED

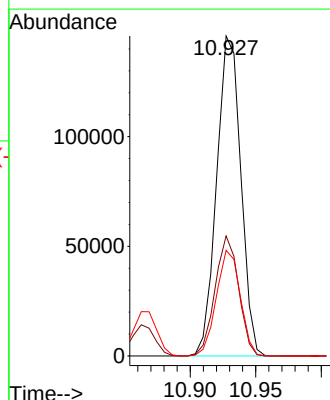
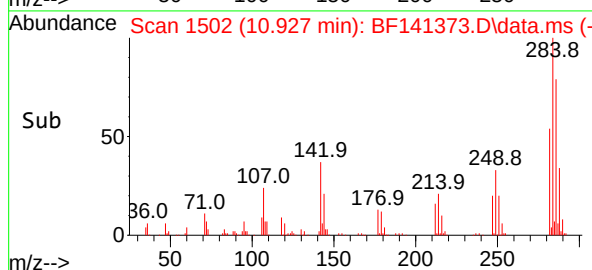
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

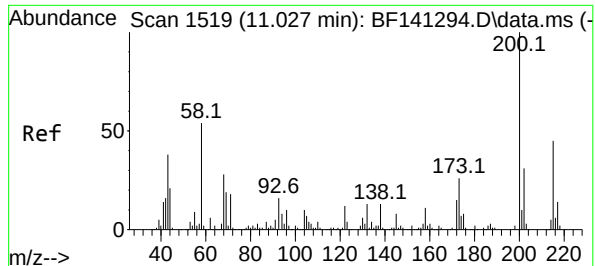


#68
Hexachlorobenzene
Concen: 41.015 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:284 Resp: 186820
Ion Ratio Lower Upper
284 100
142 37.5 29.5 44.3
249 33.0 25.4 38.2





#69

Atrazine

Concen: 40.023 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 166000

Ion Ratio Lower Upper

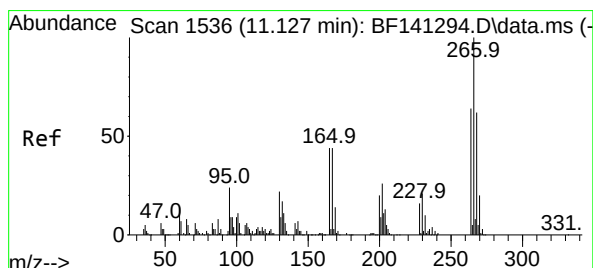
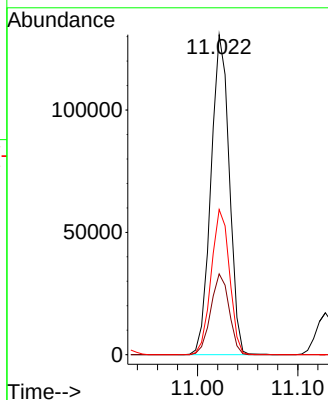
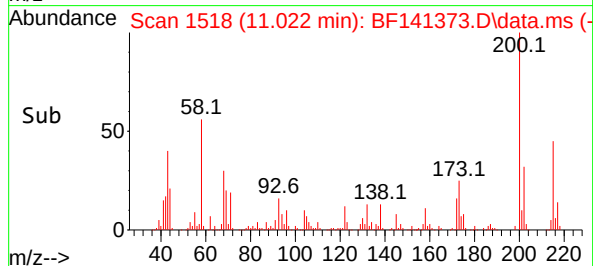
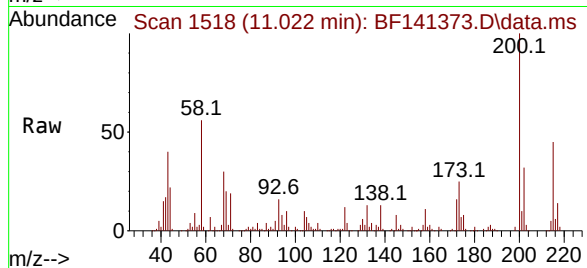
200 100

173 25.3 5.9 45.9

215 45.3 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#70

Pentachlorophenol

Concen: 45.068 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

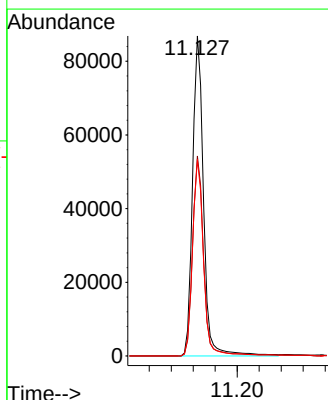
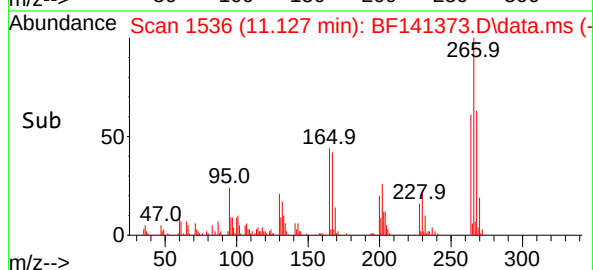
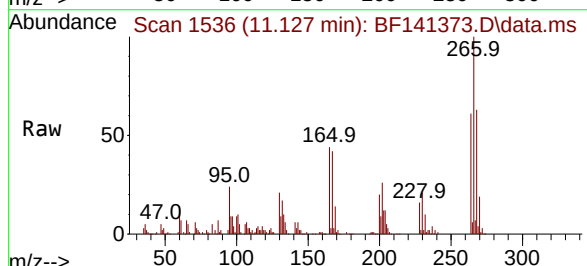
Tgt Ion:266 Resp: 120209

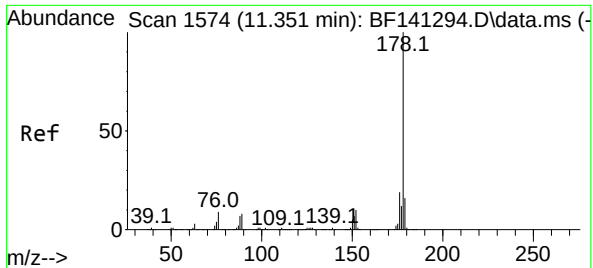
Ion Ratio Lower Upper

266 100

268 62.5 49.9 74.9

264 61.4 51.0 76.4





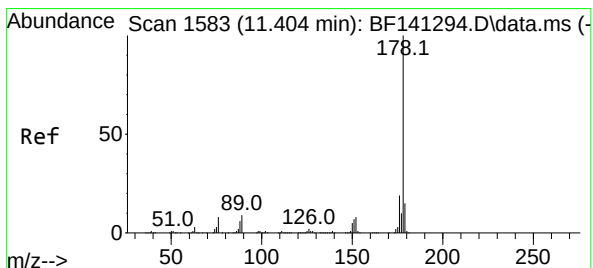
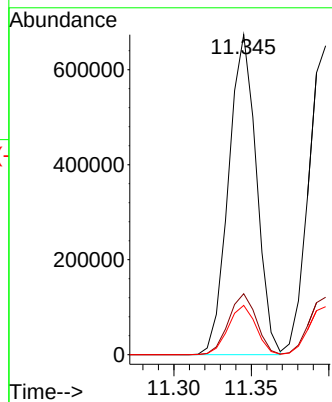
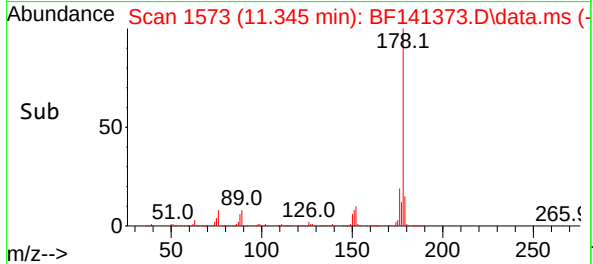
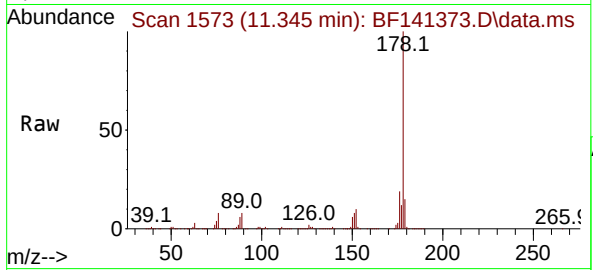
#71
Phenanthrene
Concen: 40.745 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 840073
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.4 12.5 18.7

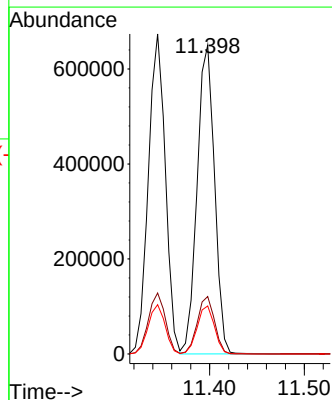
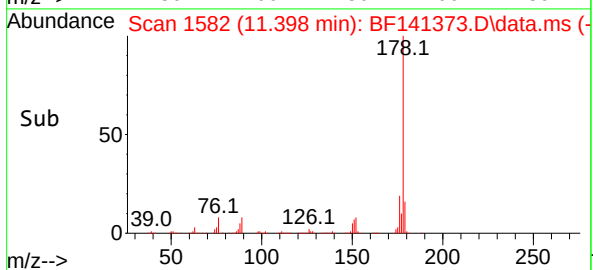
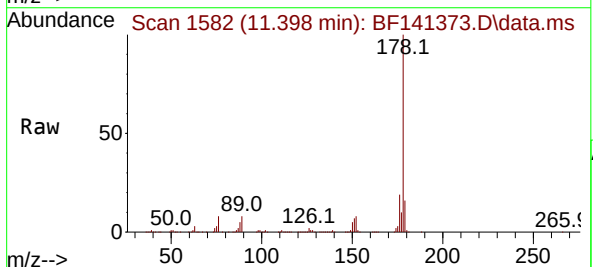
Manual Integrations
APPROVED

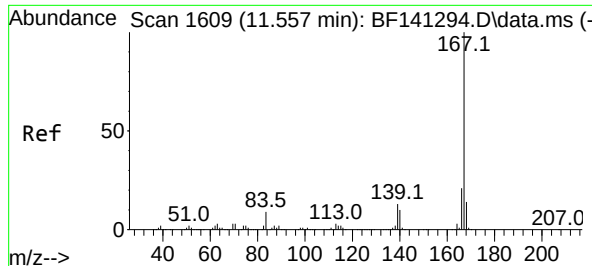
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 41.070 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

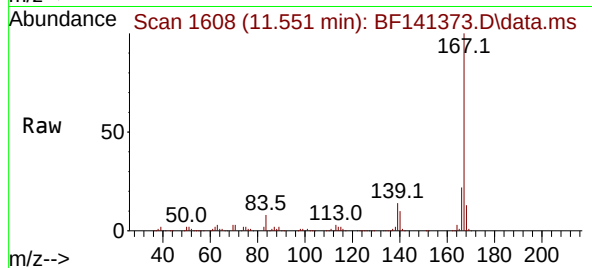
Tgt Ion:178 Resp: 829686
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5





#73
 Carbazole
 Concen: 41.848 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141373.D
 Acq: 03 Feb 2025 17:14

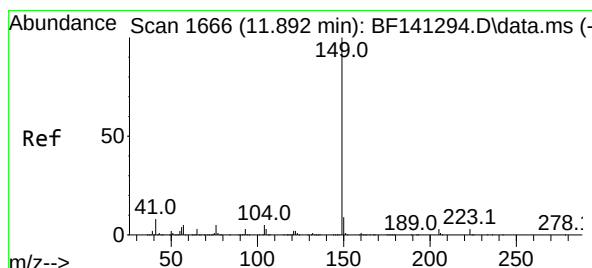
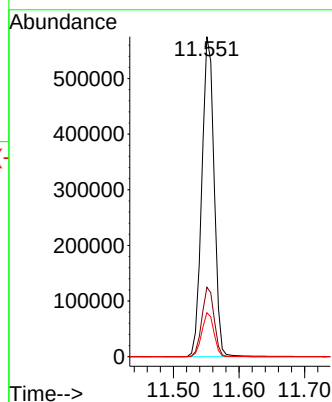
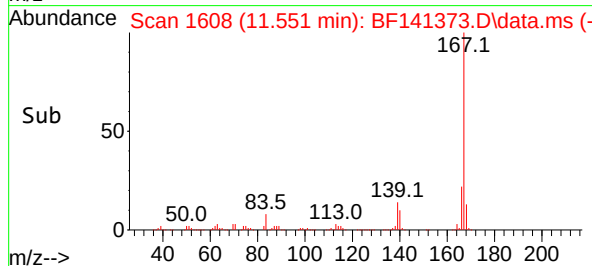
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



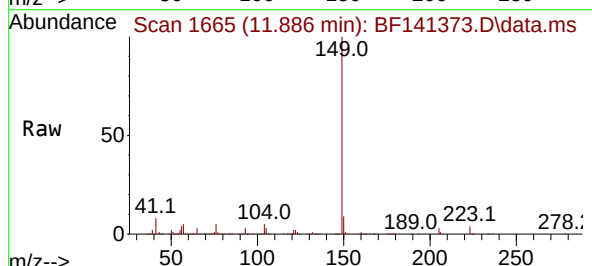
Tgt Ion:167 Resp: 749638
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.8 10.6 16.0

Manual Integrations
 APPROVED

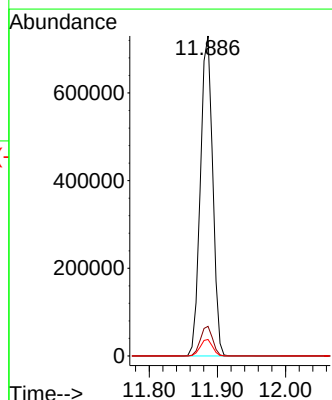
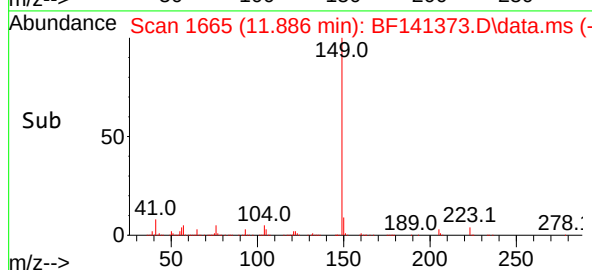
Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

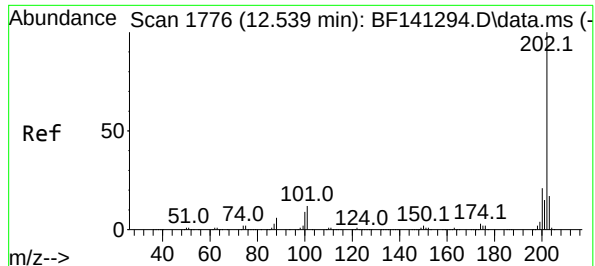


#74
 Di-n-butylphthalate
 Concen: 42.285 ng
 RT: 11.886 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF141373.D
 Acq: 03 Feb 2025 17:14



Tgt Ion:149 Resp: 917962
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 42.335 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 86184

Ion Ratio Lower Upper

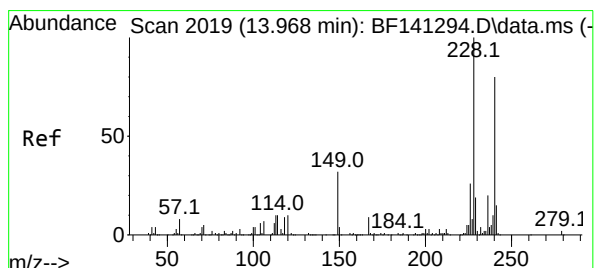
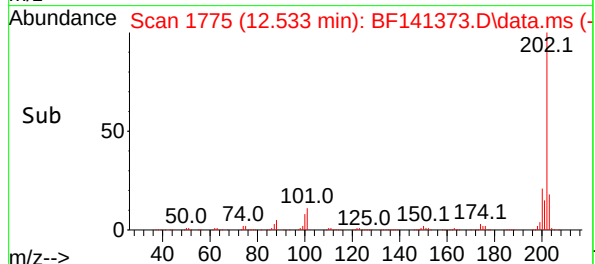
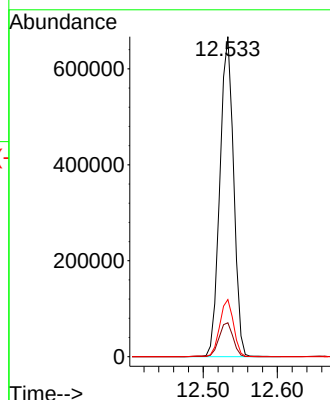
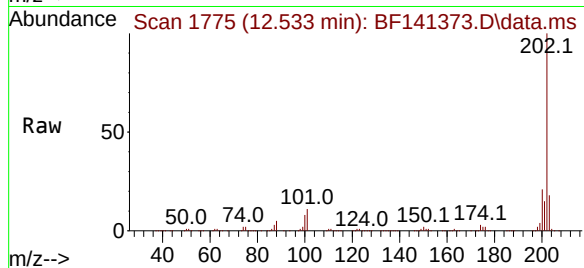
202 100

101 10.6 0.0 31.7

203 17.8 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

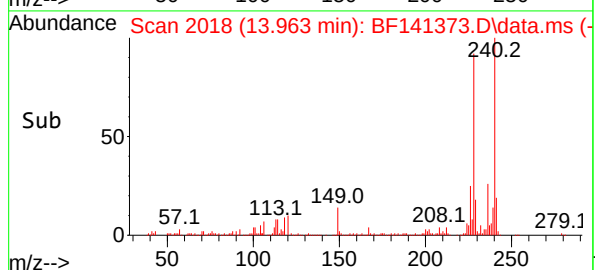
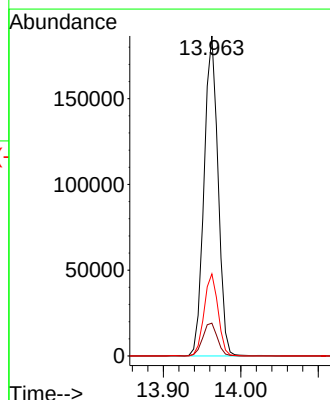
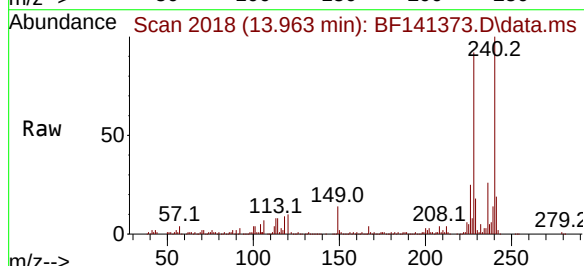
Tgt Ion:240 Resp: 233911

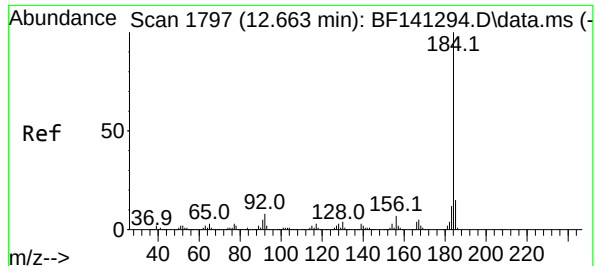
Ion Ratio Lower Upper

240 100

120 10.3 10.0 15.0

236 25.7 19.7 29.5





#77

Benzidine

Concen: 29.208 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 21902

Ion Ratio Lower Upper

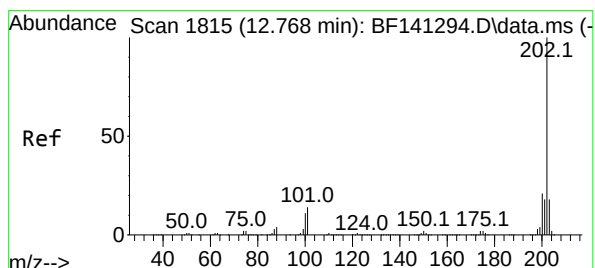
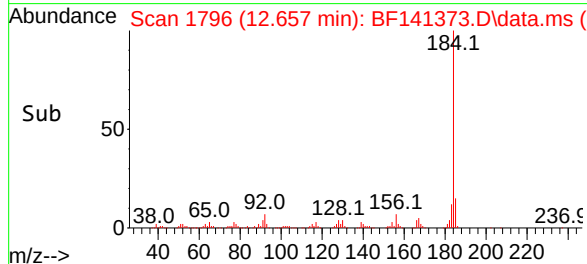
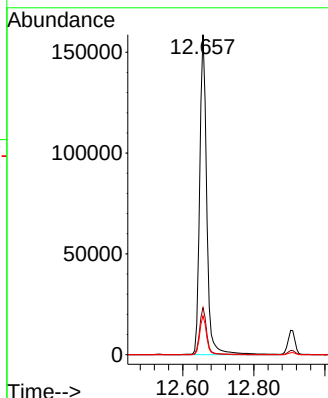
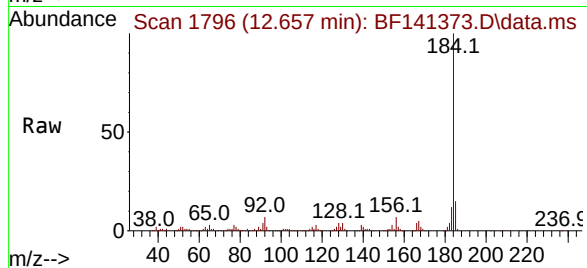
184 100

185 14.7 11.9 17.9

183 12.2 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#78

Pyrene

Concen: 38.305 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

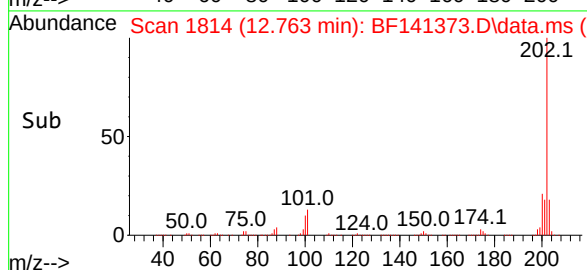
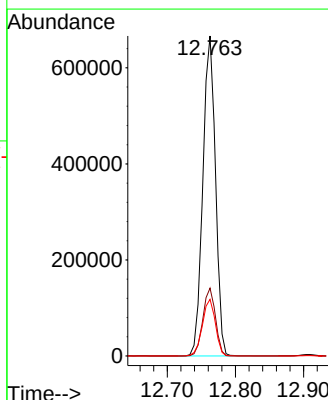
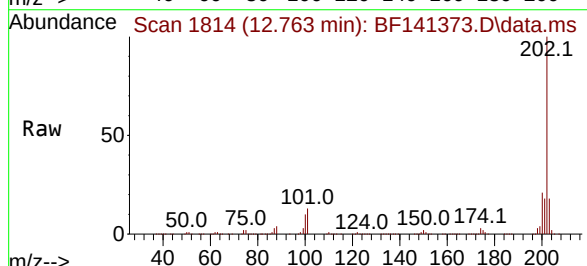
Tgt Ion:202 Resp: 860076

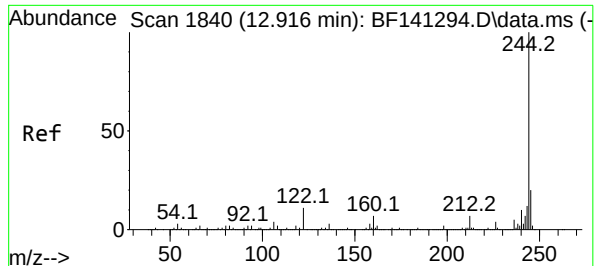
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 78.604 ng

RT: 12.910 min Scan# 119222

Delta R.T. -0.006 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 119222

Ion Ratio Lower Upper

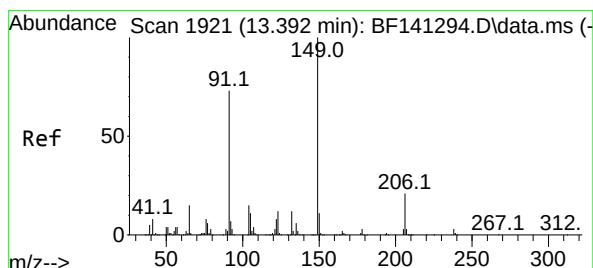
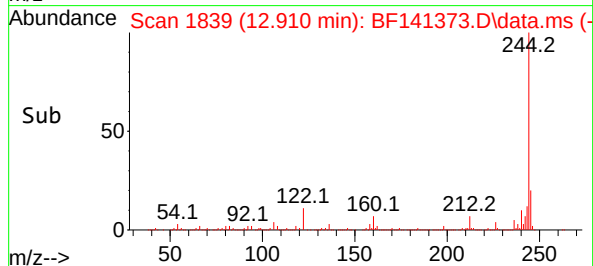
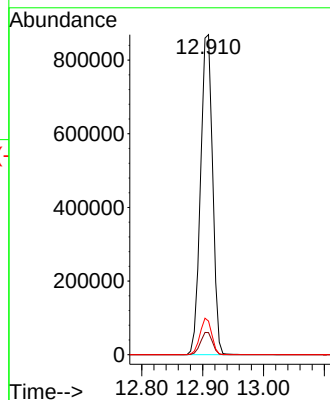
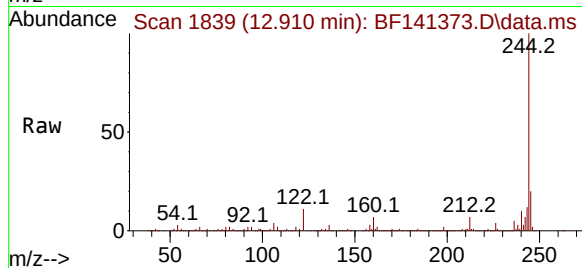
244 100

212 6.9 5.4 8.0

122 10.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#80

Butylbenzylphthalate

Concen: 41.929 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

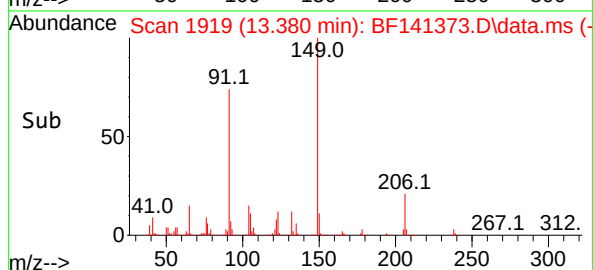
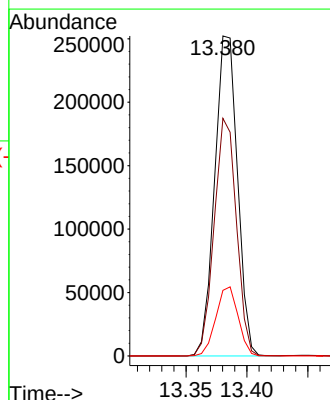
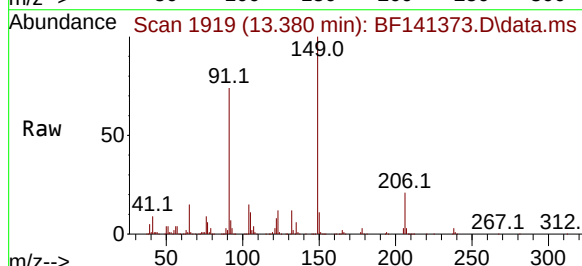
Tgt Ion:149 Resp: 328897

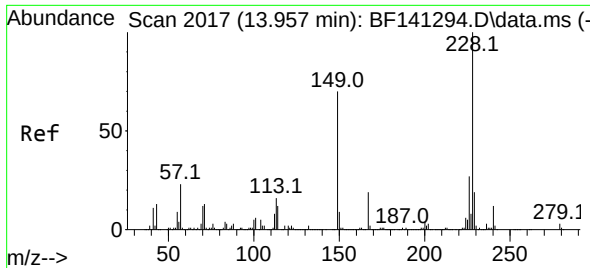
Ion Ratio Lower Upper

149 100

91 74.2 58.6 87.8

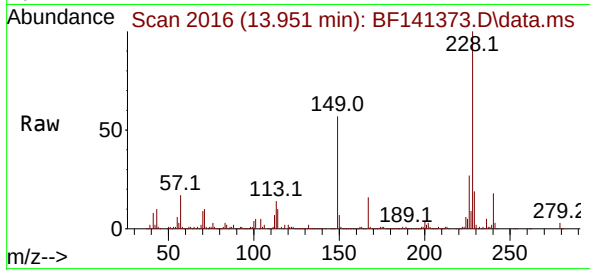
206 20.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 37.437 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

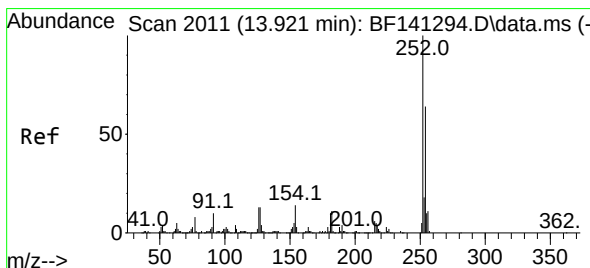
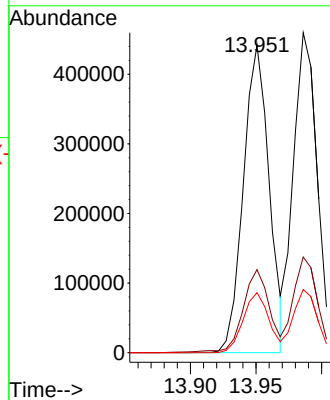
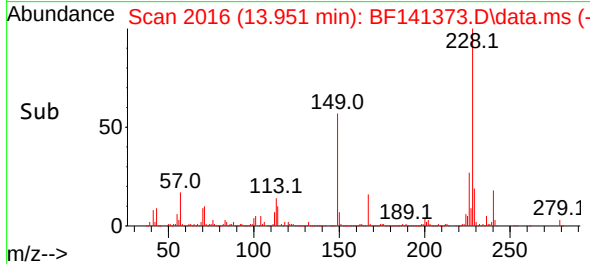
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



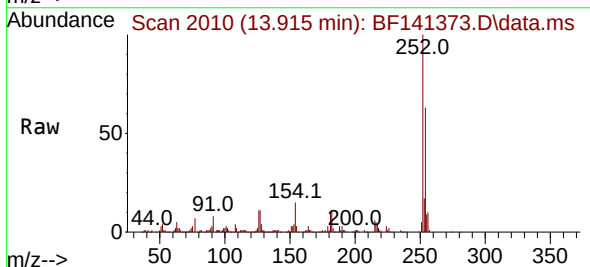
Tgt Ion:228 Resp: 604270
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.5 15.5 23.3

Manual Integrations
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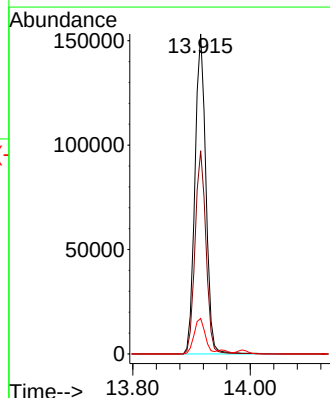
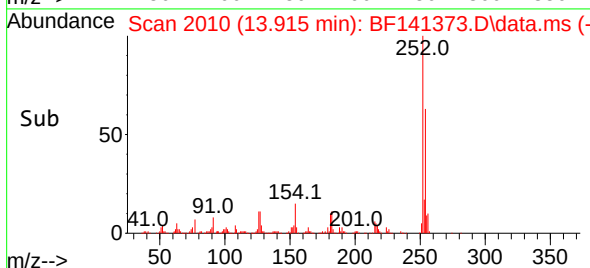
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

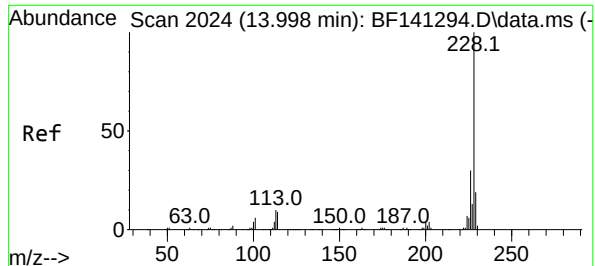


#82
3,3'-Dichlorobenzidine
Concen: 38.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:252 Resp: 198361
Ion Ratio Lower Upper
252 100
254 63.5 51.3 76.9
126 11.1 10.0 15.0





#83

Chrysene

Concen: 39.215 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 580099

Ion Ratio Lower Upper

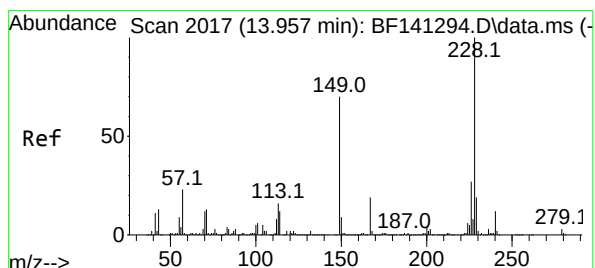
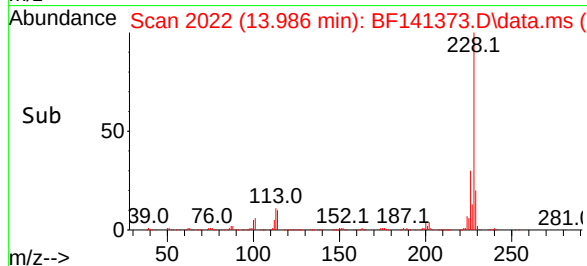
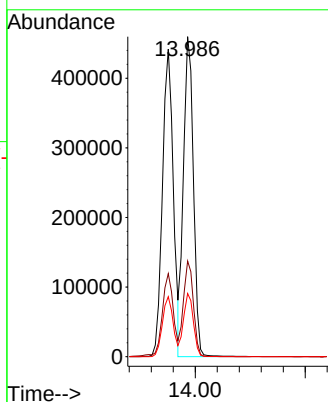
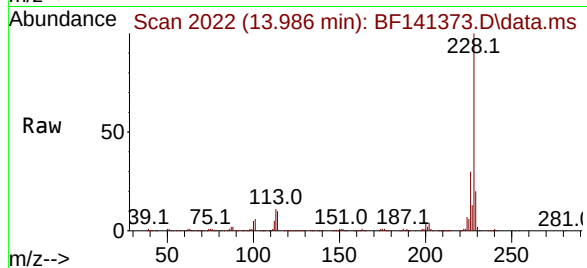
228 100

226 29.9 24.1 36.1

229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 43.840 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

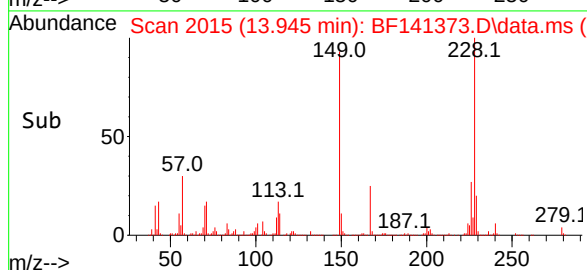
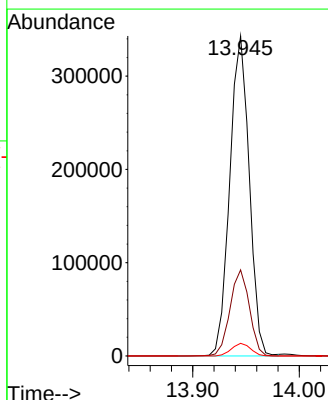
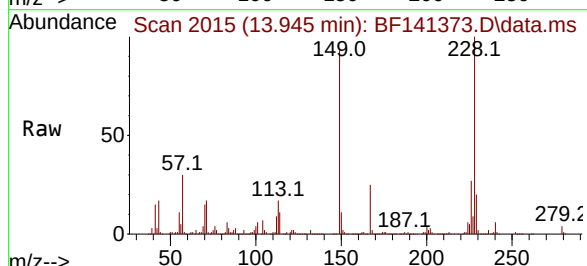
Tgt Ion:149 Resp: 436237

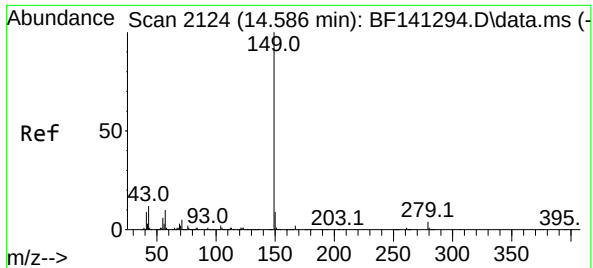
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

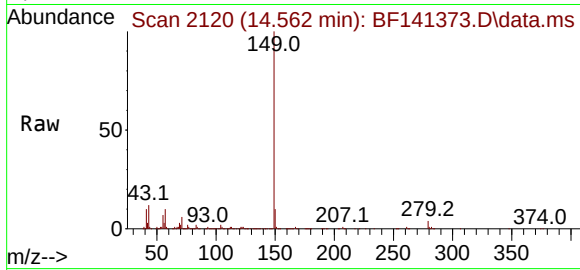
279 4.0 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 44.601 ng
RT: 14.562 min Scan# 2120
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

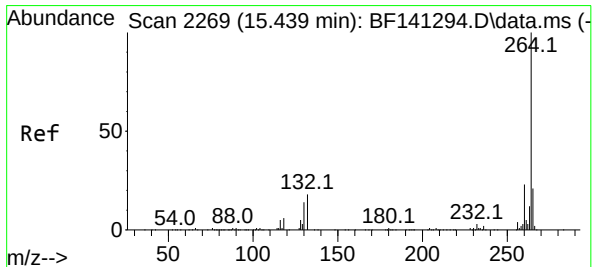
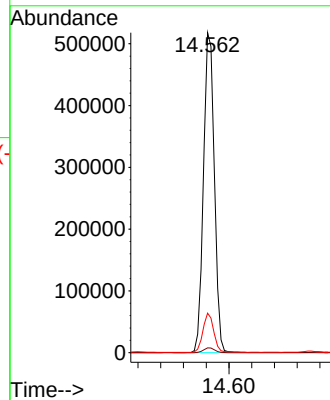
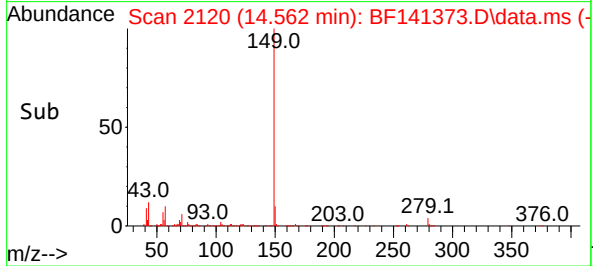
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



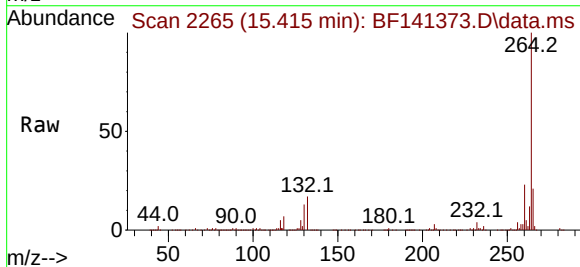
Tgt Ion:149 Resp: 68932
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.2 9.8 14.8

Manual Integrations
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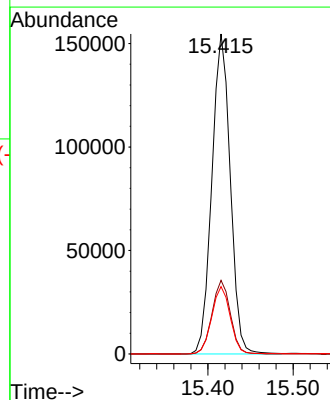
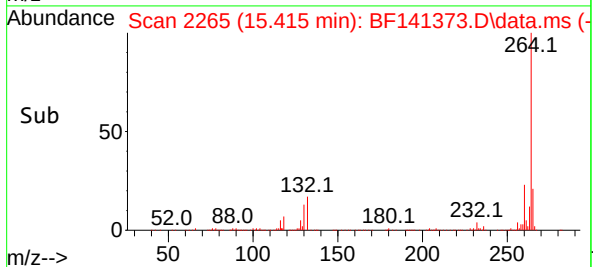
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

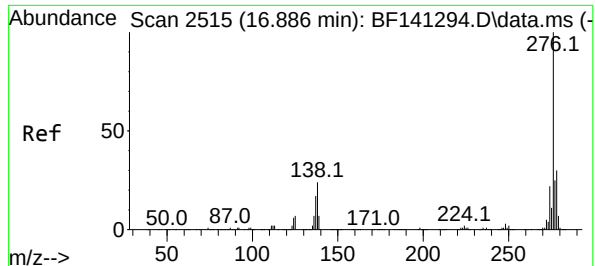


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:264 Resp: 231577
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.938 ng

RT: 16.862 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 62682

Ion Ratio Lower Upper

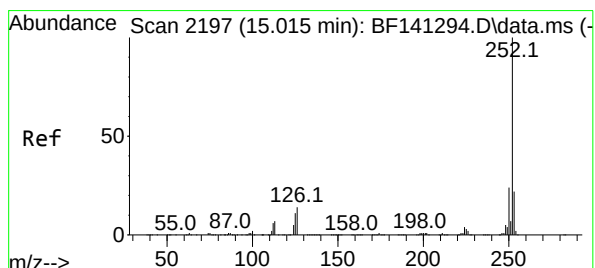
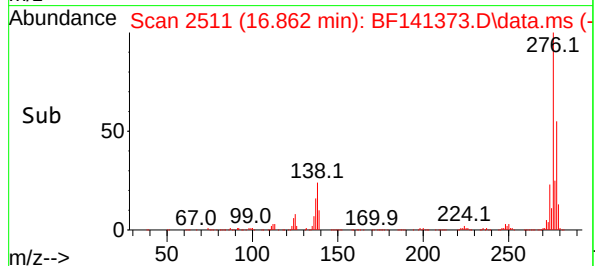
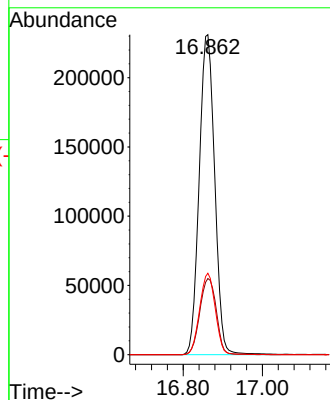
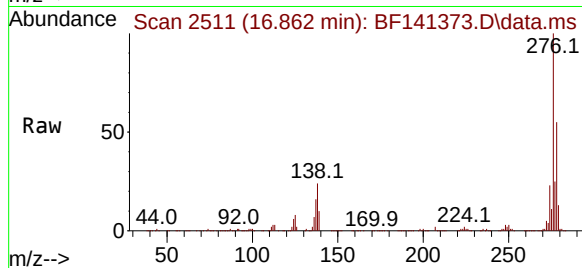
276 100

138 25.3 21.7 32.5

277 25.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#88

Benzo(b)fluoranthene

Concen: 39.222 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

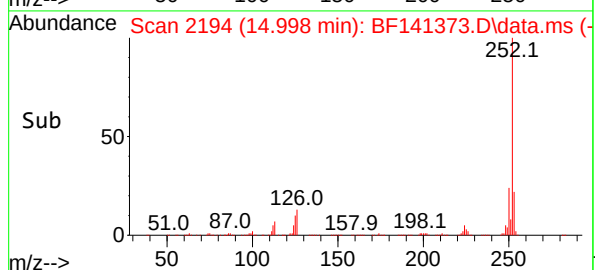
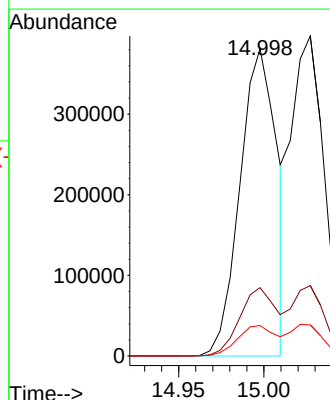
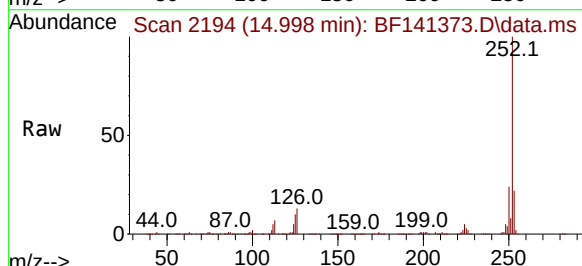
Tgt Ion:252 Resp: 571343

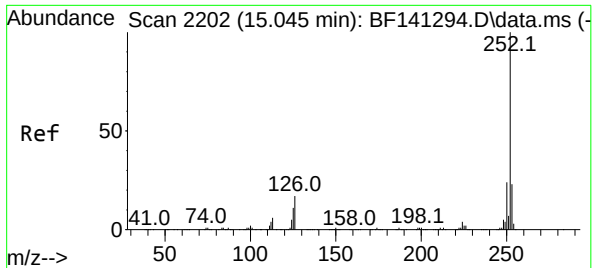
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.9 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 41.439 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 534749

Ion Ratio Lower Upper

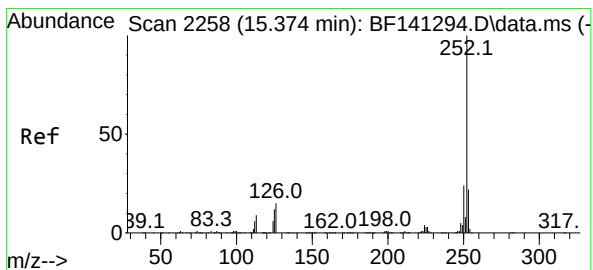
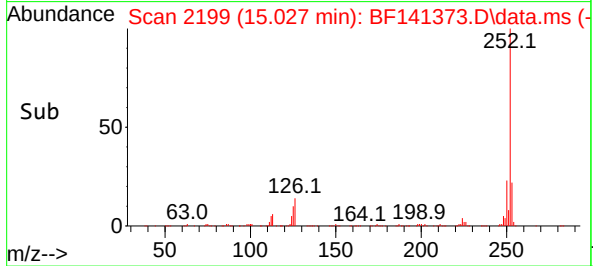
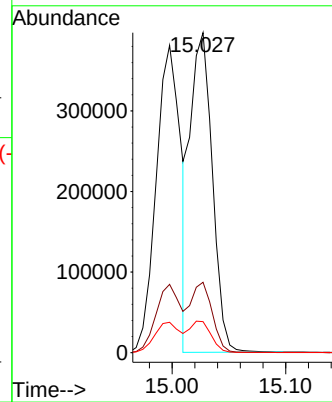
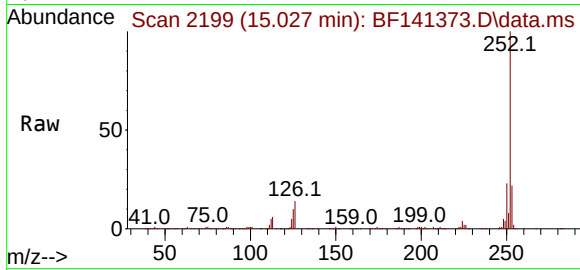
252 100

253 22.0 17.6 26.4

125 9.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

#90

Benzo(a)pyrene

Concen: 40.922 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.024 min

Lab File: BF141373.D

Acq: 03 Feb 2025 17:14

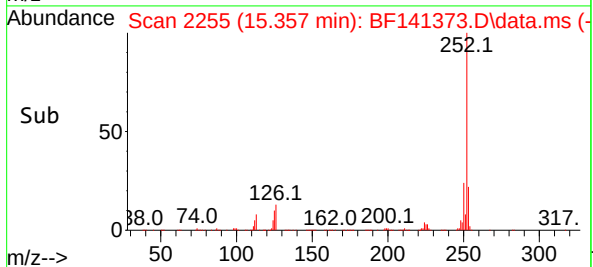
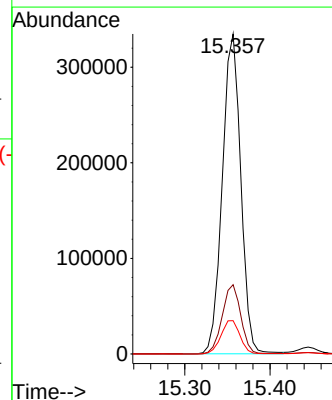
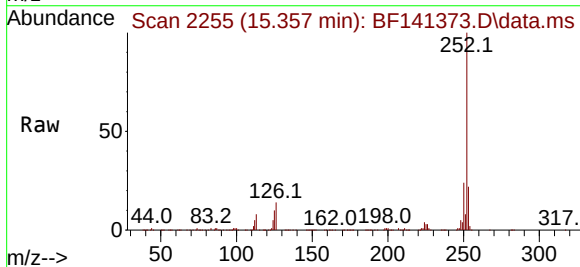
Tgt Ion:252 Resp: 503731

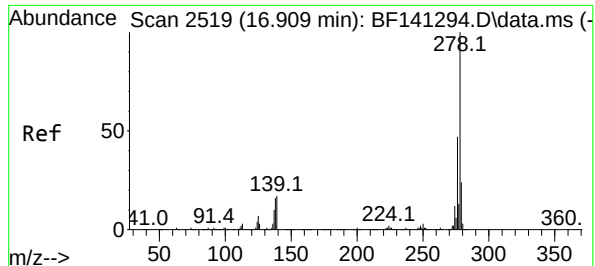
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 10.4 9.4 14.2





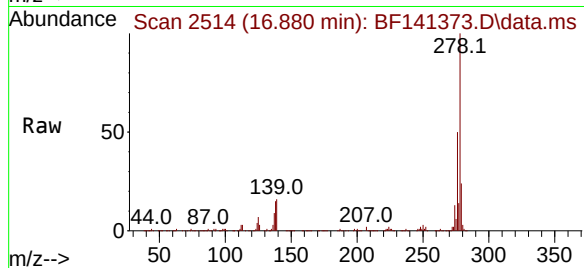
#91
Dibenzo(a,h)anthracene
Concen: 42.442 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.041 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

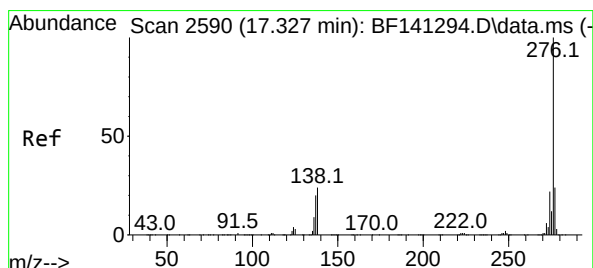
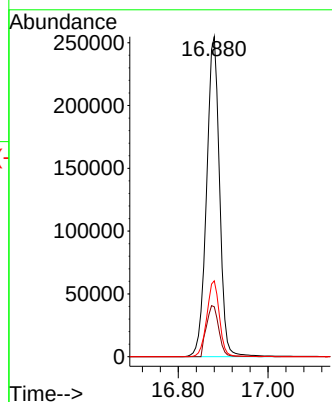
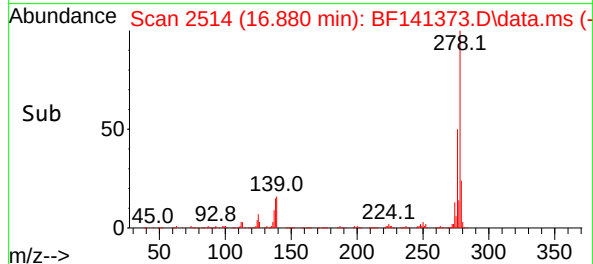


Tgt Ion:278 Resp: 51036
Ion Ratio Lower Upper
278 100
139 15.6 13.9 20.9
279 23.7 18.8 28.2

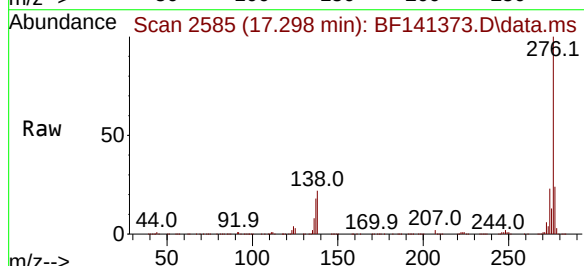
Manual Integrations

APPROVED

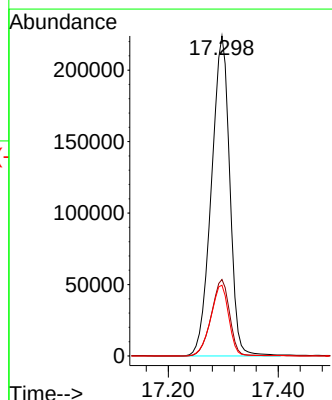
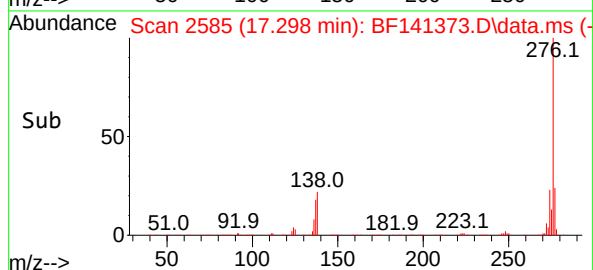
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 41.452 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14



Tgt Ion:276 Resp: 518300
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 22.1 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
2	1,4-Dioxane	0.573	0.582	-1.6	83	-0.02
3	Pyridine	1.380	1.232	10.7	71	-0.02
4	n-Nitrosodimethylamine	0.789	0.821	-4.1	83	-0.04
5 S	2-Fluorophenol	1.303	1.302	0.1	83	0.00
6	Aniline	1.403	1.030	26.6#	58	-0.01
7 S	Phenol-d6	1.657	1.598	3.6	80	0.00
8	2-Chlorophenol	1.396	1.391	0.4	82	0.00
9	Benzaldehyde	0.960	1.038	-8.1	88	0.00
10 C	Phenol	1.757	1.694	3.6	79	0.00
11	bis(2-Chloroethyl)ether	1.347	1.310	2.7	81	-0.01
12	1,3-Dichlorobenzene	1.540	1.536	0.3	82	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.570	-1.5	84	0.00
14	1,2-Dichlorobenzene	1.448	1.471	-1.6	84	0.00
15	Benzyl Alcohol	1.133	1.199	-5.8	85	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.192	6.4	76	0.00
17	2-Methylphenol	1.135	1.109	2.3	81	0.00
18	Hexachloroethane	0.571	0.590	-3.3	85	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.981	0.4	84	-0.02
20	3+4-Methylphenols	1.393	1.420	-1.9	84	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22	Acetophenone	0.475	0.486	-2.3	87	-0.01
23 S	Nitrobenzene-d5	0.379	0.382	-0.8	84	0.00
24	Nitrobenzene	0.393	0.389	1.0	81	-0.01
25	Isophorone	0.656	0.653	0.5	83	-0.01
26 C	2-Nitrophenol	0.185	0.188	-1.6	83	-0.01
27	2,4-Dimethylphenol	0.236	0.237	-0.4	82	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.408	2.4	82	-0.01
29 C	2,4-Dichlorophenol	0.289	0.293	-1.4	84	0.00
30	1,2,4-Trichlorobenzene	0.330	0.328	0.6	84	0.00
31	Naphthalene	1.057	1.046	1.0	83	-0.01
32	Benzoic acid	0.217	0.233	-7.4	82	-0.02
33	4-Chloroaniline	0.358	0.293	18.2	67	0.00
34 C	Hexachlorobutadiene	0.194	0.204	-5.2	89	0.00
35	Caprolactam	0.094	0.096	-2.1	84	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.318	-2.6	86	0.00
37	2-Methylnaphthalene	0.672	0.672	0.0	84	0.00
38	1-Methylnaphthalene	0.660	0.660	0.0	85	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.571	-0.4	86	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.186	-10.7	86	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.194	-6.0	90	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.380	-2.2	83	0.00
44	2,4,5-Trichlorophenol	0.405	0.413	-2.0	88	0.00
45 S	2-Fluorobiphenyl	1.299	1.292	0.5	87	0.00
46	1,1'-Biphenyl	1.560	1.536	1.5	84	0.00
47	2-Chloronaphthalene	1.216	1.196	1.6	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.388	-1.6	85	0.00
49	Acenaphthylene	1.702	1.683	1.1	84	-0.01
50	Dimethylphthalate	1.351	1.357	-0.4	88	-0.01
51	2,6-Dinitrotoluene	0.314	0.315	-0.3	85	0.00
52 C	Acenaphthene	1.216	1.226	-0.8	87	0.00
53	3-Nitroaniline	0.307	0.310	-1.0	82	-0.01
54 P	2,4-Dinitrophenol	0.146	0.170	-16.4	92	-0.01
55	Dibenzofuran	1.627	1.608	1.2	85	0.00
56 P	4-Nitrophenol	0.225	0.235	-4.4	84	0.01
57	2,4-Dinitrotoluene	0.406	0.423	-4.2	88	-0.01
58	Fluorene	1.262	1.286	-1.9	88	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	88	0.00
60	Diethylphthalate	1.310	1.346	-2.7	88	-0.01
61	4-Chlorophenyl-phenylether	0.617	0.621	-0.6	88	0.00
62	4-Nitroaniline	0.302	0.327	-8.3	90	-0.01
63	Azobenzene	1.311	1.294	1.3	85	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.140	-18.6	93	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.642	0.8	86	-0.01
67	4-Bromophenyl-phenylether	0.224	0.234	-4.5	90	-0.01
68	Hexachlorobenzene	0.238	0.244	-2.5	89	-0.01
69	Atrazine	0.216	0.216	0.0	85	-0.01
70 C	Pentachlorophenol	0.139	0.157	-12.9	92	0.00
71	Phenanthrene	1.075	1.095	-1.9	89	0.00
72	Anthracene	1.053	1.082	-2.8	90	0.00
73	Carbazole	0.934	0.977	-4.6	91	0.00
74	Di-n-butylphthalate	1.132	1.197	-5.7	92	0.00
75 C	Fluoranthene	1.062	1.123	-5.7	93	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzidine	0.641	0.468	27.0#	58	0.00
78	Pyrene	1.920	1.838	4.3	94	0.00
79 S	Terphenyl-d14	1.297	1.274	1.8	97	0.00
80	Butylbenzylphthalate	0.671	0.703	-4.8	101	-0.01
81	Benzo(a)anthracene	1.380	1.292	6.4	91	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.424	3.4	91	-0.01
83	Chrysene	1.265	1.240	2.0	98	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.932	-9.5	107	-0.01
85 c	Di-n-octyl phthalate	1.321	1.473	-11.5	108	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	83	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.353	-4.8	89	-0.04
88	Benzo(b)fluoranthene	1.258	1.234	1.9	91	-0.02
89	Benzo(k)fluoranthene	1.114	1.155	-3.7	88	-0.02
90 C	Benzo(a)pyrene	1.063	1.088	-2.4	89	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.102	-6.1	90	-0.04
92	Benzo(g,h,i)perylene	1.080	1.119	-3.6	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
 BNA_F
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 SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	76	0.00
2	1,4-Dioxane	40.000	40.599	-1.5	83	-0.02
3	Pyridine	40.000	35.706	10.7	71	-0.02
4	n-Nitrosodimethylamine	40.000	41.662	-4.2	83	-0.04
5 S	2-Fluorophenol	80.000	79.968	0.0	83	0.00
6	Aniline	40.000	29.356	26.6#	58	-0.01
7 S	Phenol-d6	80.000	77.133	3.6	80	0.00
8	2-Chlorophenol	40.000	39.841	0.4	82	0.00
9	Benzaldehyde	40.000	43.247	-8.1	88	0.00
10 C	Phenol	40.000	38.559	3.6	79	0.00
11	bis(2-Chloroethyl)ether	40.000	38.887	2.8	81	-0.01
12	1,3-Dichlorobenzene	40.000	39.899	0.3	82	-0.01
13 C	1,4-Dichlorobenzene	40.000	40.605	-1.5	84	0.00
14	1,2-Dichlorobenzene	40.000	40.620	-1.5	84	0.00
15	Benzyl Alcohol	40.000	42.330	-5.8	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.424	6.4	76	0.00
17	2-Methylphenol	40.000	39.098	2.3	81	0.00
18	Hexachloroethane	40.000	41.378	-3.4	85	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.842	0.4	84	-0.02
20	3+4-Methylphenols	40.000	40.751	-1.9	84	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	78	0.00
22	Acetophenone	40.000	40.923	-2.3	87	-0.01
23 S	Nitrobenzene-d5	80.000	80.499	-0.6	84	0.00
24	Nitrobenzene	40.000	39.612	1.0	81	-0.01
25	Isophorone	40.000	39.816	0.5	83	-0.01
26 C	2-Nitrophenol	40.000	40.576	-1.4	83	-0.01
27	2,4-Dimethylphenol	40.000	40.168	-0.4	82	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.010	2.5	82	-0.01
29 C	2,4-Dichlorophenol	40.000	40.508	-1.3	84	0.00
30	1,2,4-Trichlorobenzene	40.000	39.757	0.6	84	0.00
31	Naphthalene	40.000	39.616	1.0	83	-0.01
32	Benzoic acid	40.000	42.934	-7.3	82	-0.02
33	4-Chloroaniline	40.000	32.676	18.3	67	0.00
34 C	Hexachlorobutadiene	40.000	42.128	-5.3	89	0.00
35	Caprolactam	40.000	40.764	-1.9	84	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.066	-2.7	86	0.00
37	2-Methylnaphthalene	40.000	40.024	-0.1	84	0.00
38	1-Methylnaphthalene	40.000	40.034	-0.1	85	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.167	-0.4	86	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.173	-10.4	86	-0.01
42 S	2,4,6-Tribromophenol	80.000	84.706	-5.9	90	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.768	-1.9	83	0.00
44	2,4,5-Trichlorophenol	40.000	40.747	-1.9	88	0.00
45 S	2-Fluorobiphenyl	80.000	79.517	0.6	87	0.00
46	1,1'-Biphenyl	40.000	39.393	1.5	84	0.00
47	2-Chloronaphthalene	40.000	39.346	1.6	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141373.D
 Acq On : 03 Feb 2025 17:14
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.613	-1.5	85	0.00
49	Acenaphthylene	40.000	39.561	1.1	84	-0.01
50	Dimethylphthalate	40.000	40.182	-0.5	88	-0.01
51	2,6-Dinitrotoluene	40.000	40.128	-0.3	85	0.00
52 C	Acenaphthene	40.000	40.321	-0.8	87	0.00
53	3-Nitroaniline	40.000	40.403	-1.0	82	-0.01
54 P	2,4-Dinitrophenol	40.000	46.667	-16.7	92	-0.01
55	Dibenzofuran	40.000	39.528	1.2	85	0.00
56 P	4-Nitrophenol	40.000	41.887	-4.7	84	0.01
57	2,4-Dinitrotoluene	40.000	41.657	-4.1	88	-0.01
58	Fluorene	40.000	40.737	-1.8	88	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.131	-5.3	88	0.00
60	Diethylphthalate	40.000	41.105	-2.8	88	-0.01
61	4-Chlorophenyl-phenylether	40.000	40.268	-0.7	88	0.00
62	4-Nitroaniline	40.000	43.258	-8.1	90	-0.01
63	Azobenzene	40.000	39.486	1.3	85	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	47.204	-18.0	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.703	0.7	86	-0.01
67	4-Bromophenyl-phenylether	40.000	41.761	-4.4	90	-0.01
68	Hexachlorobenzene	40.000	41.015	-2.5	89	-0.01
69	Atrazine	40.000	40.023	-0.1	85	-0.01
70 C	Pentachlorophenol	40.000	45.068	-12.7	92	0.00
71	Phenanthrene	40.000	40.745	-1.9	89	0.00
72	Anthracene	40.000	41.070	-2.7	90	0.00
73	Carbazole	40.000	41.848	-4.6	91	0.00
74	Di-n-butylphthalate	40.000	42.285	-5.7	92	0.00
75 C	Fluoranthene	40.000	42.335	-5.8	93	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzidine	40.000	29.208	27.0#	58	0.00
78	Pyrene	40.000	38.305	4.2	94	0.00
79 S	Terphenyl-d14	80.000	78.604	1.7	97	0.00
80	Butylbenzylphthalate	40.000	41.929	-4.8	101	-0.01
81	Benzo(a)anthracene	40.000	37.437	6.4	91	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.639	3.4	91	-0.01
83	Chrysene	40.000	39.215	2.0	98	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	43.840	-9.6	107	-0.01
85 c	Di-n-octyl phthalate	40.000	44.601	-11.5	108	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	83	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.938	-4.8	89	-0.04
88	Benzo(b)fluoranthene	40.000	39.222	1.9	91	-0.02
89	Benzo(k)fluoranthene	40.000	41.439	-3.6	88	-0.02
90 C	Benzo(a)pyrene	40.000	40.922	-2.3	89	-0.02
91	Dibenzo(a,h)anthracene	40.000	42.442	-6.1	90	-0.04
92	Benzo(g,h,i)perylene	40.000	41.452	-3.6	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
----------	--------	-------	------	-------	----------

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG No.: Q1232

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.380	1.270		-8.0	
2-Fluorophenol	1.303	1.302		-0.1	
Phenol-d6	1.657	1.560		-5.9	
1,4-Dichlorobenzene	1.547	1.539		-0.5	20.0
2-Methylphenol	1.135	1.074		-5.4	
3+4-Methylphenols	1.393	1.375		-1.3	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
2,4,6-Trichlorophenol	0.372	0.382		2.7	20.0
2-Fluorobiphenyl	1.299	1.328		2.2	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
2,4-Dinitrotoluene	0.406	0.441		8.6	
2,4,6-Tribromophenol	0.183	0.202		10.4	
Hexachlorobenzene	0.238	0.243		2.1	
Pentachlorophenol	0.139	0.161		15.8	20.0
Terphenyl-d14	1.297	1.200		-7.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	87552	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	331835	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	180473	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	318826	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	235294	20.000	ng	-0.01
86) Perylene-d12	15.421	264	201713	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	455924	79.945	ng	0.00
7) Phenol-d6	6.434	99	546451	75.322	ng	0.00
23) Nitrobenzene-d5	7.357	82	519110	82.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	145841	88.147	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	958786	81.771	ng	-0.01
79) Terphenyl-d14	12.904	244	1129373	74.022	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.440	88	97099	38.714	ng	98
3) Pyridine	3.175	79	222403	36.803	ng	97
4) n-Nitrosodimethylamine	3.122	42	142862m	41.383	ng	
6) Aniline	6.451	93	220322	35.876	ng	# 16
8) 2-Chlorophenol	6.581	128	242879	39.734	ng	96
9) Benzaldehyde	6.340	77	156434	37.226	ng	99
10) Phenol	6.445	94	288967	37.574	ng	# 71
11) bis(2-Chloroethyl)ether	6.528	93	221049	37.487	ng	98
12) 1,3-Dichlorobenzene	6.734	146	262908	39.009	ng	99
13) 1,4-Dichlorobenzene	6.810	146	269514	39.806	ng	100
14) 1,2-Dichlorobenzene	6.963	146	251753	39.708	ng	99
15) Benzyl Alcohol	6.934	79	203978	41.142	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	369176	36.004	ng	80
17) 2-Methylphenol	7.057	107	188055	37.854	ng	# 92
18) Hexachloroethane	7.304	117	102015	40.842	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	162661	37.733	ng	100
20) 3+4-Methylphenols	7.210	107	240839	39.483	ng	# 88
22) Acetophenone	7.198	105	326166	41.351	ng	# 98
24) Nitrobenzene	7.375	77	264172	40.497	ng	100
25) Isophorone	7.610	82	426672	39.213	ng	99
26) 2-Nitrophenol	7.692	139	122977	39.973	ng	97
27) 2,4-Dimethylphenol	7.734	122	152342m	38.904	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	267181	38.495	ng	99
29) 2,4-Dichlorophenol	7.939	162	196668	41.025	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	222442	40.631	ng	99
31) Naphthalene	8.098	128	703917	40.155	ng	100
32) Benzoic acid	7.845	122	152241	42.292	ng	100
33) 4-Chloroaniline	8.151	127	230545	38.783	ng	99
34) Hexachlorobutadiene	8.216	225	137723	42.897	ng	99
35) Caprolactam	8.510	113	62051	39.634	ng	95
36) 4-Chloro-3-methylphenol	8.634	107	215967	42.000	ng	95
37) 2-Methylnaphthalene	8.787	142	453714	40.722	ng	98
38) 1-Methylnaphthalene	8.886	142	443121	40.487	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	211825	41.257	ng	100
41) Hexachlorocyclopentadiene	8.939	237	66678	43.974	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	137805	41.007	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

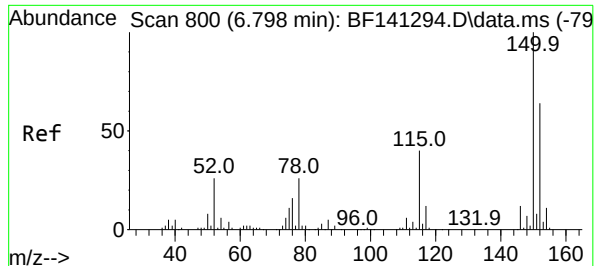
Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	152071	41.577	ng	100
46) 1,1'-Biphenyl	9.251	154	564241	40.089	ng	99
47) 2-Chloronaphthalene	9.275	162	436455	39.785	ng	99
48) 2-Nitroaniline	9.375	65	140664	40.764	ng	99
49) Acenaphthylene	9.692	152	619791	40.360	ng	100
50) Dimethylphthalate	9.557	163	494930	40.604	ng	100
51) 2,6-Dinitrotoluene	9.616	165	115835	40.929	ng	98
52) Acenaphthene	9.863	154	453408	41.328	ng	100
53) 3-Nitroaniline	9.786	138	115797	41.746	ng	98
54) 2,4-Dinitrophenol	9.892	184	59519	45.240	ng	92
55) Dibenzofuran	10.033	168	602409	41.022	ng	97
56) 4-Nitrophenol	9.963	139	92908	45.798	ng	96
57) 2,4-Dinitrotoluene	10.022	165	159291	43.471	ng	98
58) Fluorene	10.381	166	471526	41.395	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	123166	42.803	ng	98
60) Diethylphthalate	10.251	149	495870	41.956	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	233902	42.037	ng	100
62) 4-Nitroaniline	10.398	138	123996	45.468	ng	93
63) Azobenzene	10.533	77	475982	40.234	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	87646	46.476	ng	97
66) n-Nitrosodiphenylamine	10.492	169	404177	39.195	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	143325	40.154	ng	99
68) Hexachlorobenzene	10.928	284	155137	40.974	ng	99
69) Atrazine	11.022	200	136423	39.568	ng	99
70) Pentachlorophenol	11.128	266	102799	46.366	ng	100
71) Phenanthrene	11.339	178	707114	41.259	ng	99
72) Anthracene	11.392	178	696374	41.470	ng	99
73) Carbazole	11.551	167	655823	44.044	ng	99
74) Di-n-butylphthalate	11.880	149	774119	42.899	ng	100
75) Fluoranthene	12.533	202	790425	46.710	ng	98
77) Benzidine	12.657	184	284455	37.710	ng	99
78) Pyrene	12.763	202	813495	36.018	ng	100
80) Butylbenzylphthalate	13.386	149	325399	41.239	ng	97
81) Benzo(a)anthracene	13.951	228	614138	37.824	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193800	37.529	ng	99
83) Chrysene	13.986	228	597592	40.160	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	428215	42.781	ng	98
85) Di-n-octyl phthalate	14.568	149	666025	42.840	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	539887	41.469	ng	97
88) Benzo(b)fluoranthene	15.004	252	541045	42.641	ng	99
89) Benzo(k)fluoranthene	15.027	252	459921	40.917	ng	99
90) Benzo(a)pyrene	15.363	252	432427	40.330	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430740	41.123	ng	98
92) Benzo(g,h,i)perylene	17.304	276	448843	41.212	ng	96

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

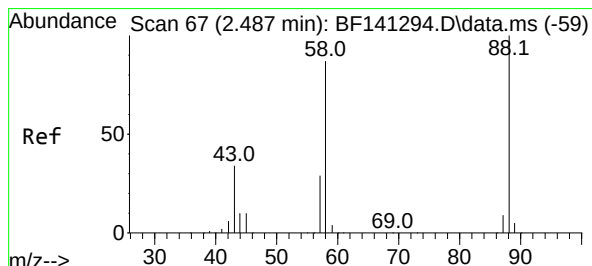
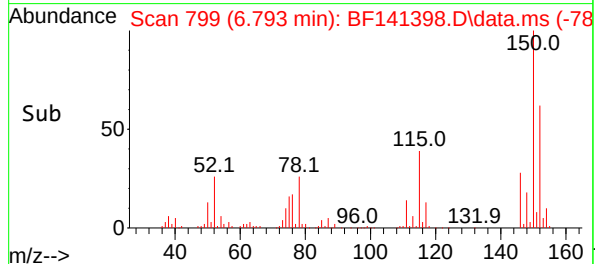
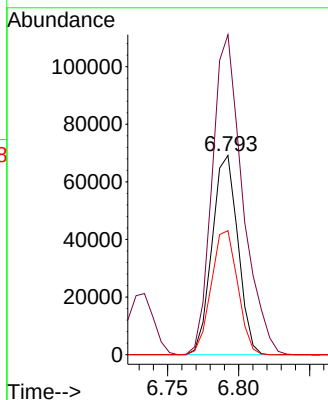
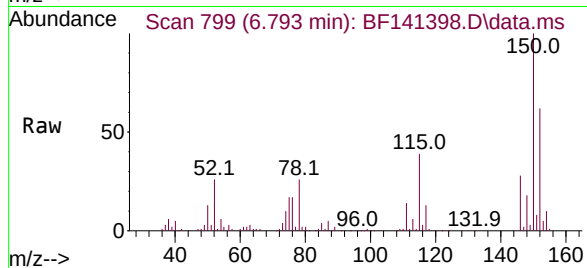
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

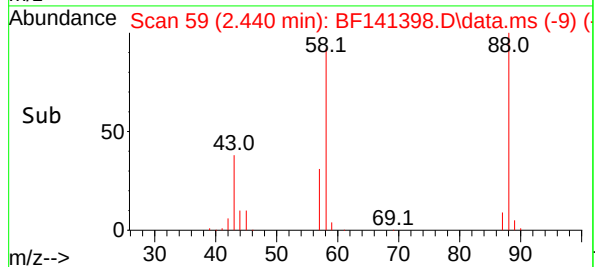
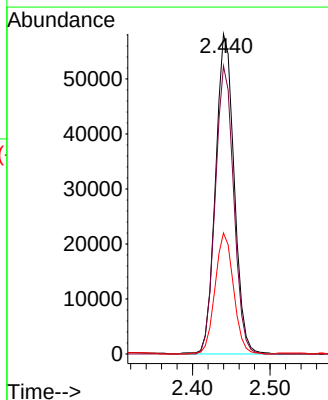
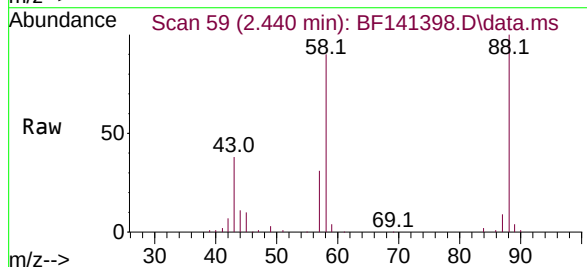
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

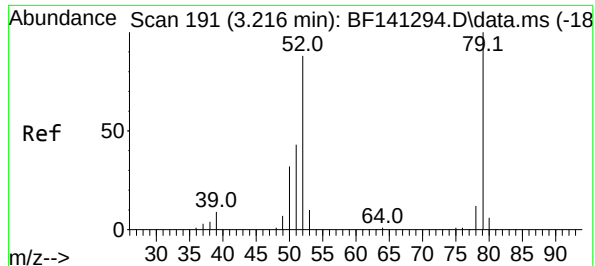
Tgt Ion:152 Resp: 87552
 Ion Ratio Lower Upper
 152 100
 150 160.6 125.9 188.9
 115 62.3 49.7 74.5



#2
 1,4-Dioxane
 Concen: 38.714 ng
 RT: 2.440 min Scan# 59
 Delta R.T. -0.053 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

Tgt Ion: 88 Resp: 97099
 Ion Ratio Lower Upper
 88 100
 58 89.1 70.2 105.4
 43 37.5 27.6 41.4

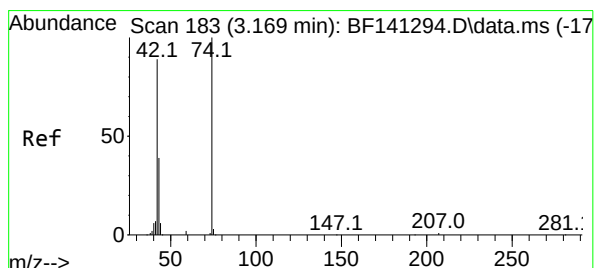
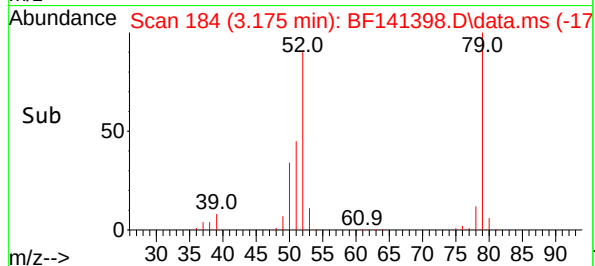
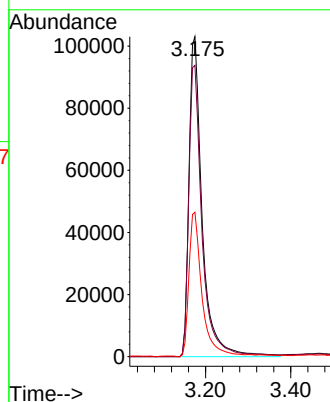
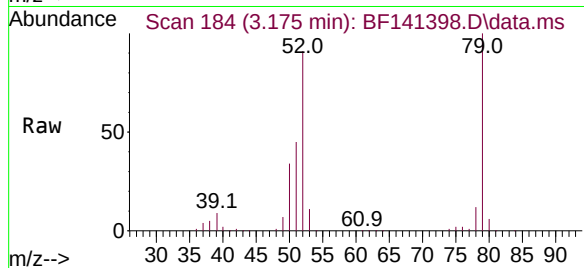




#3
Pyridine
Concen: 36.803 ng
RT: 3.175 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

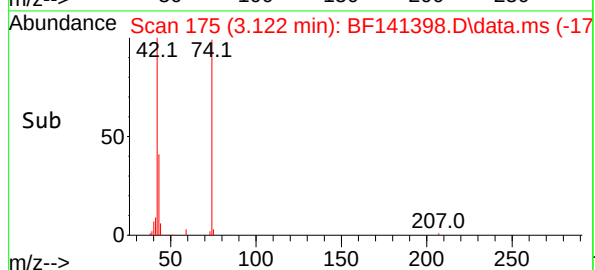
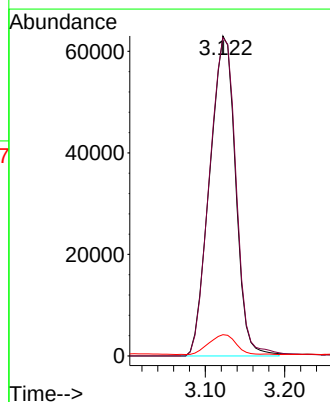
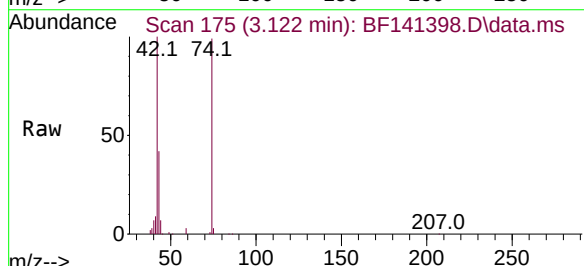
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

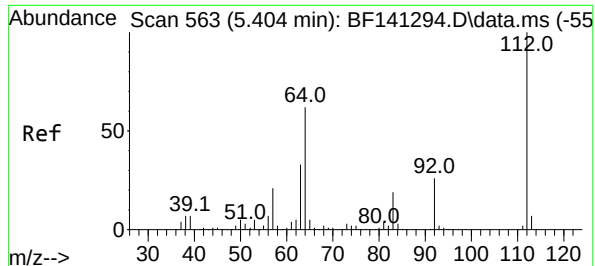
Tgt Ion: 79 Resp: 222403
Ion Ratio Lower Upper
79 100
52 91.1 70.3 105.5
51 45.1 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 41.383 ng m
RT: 3.122 min Scan# 175
Delta R.T. -0.077 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 42 Resp: 142862
Ion Ratio Lower Upper
42 100
74 99.4 90.3 135.5
44 6.7 5.7 8.5

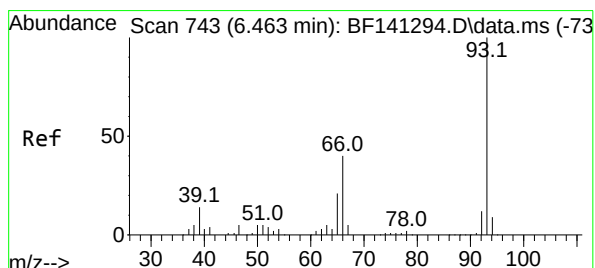
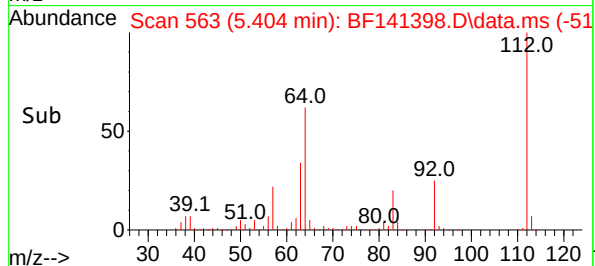
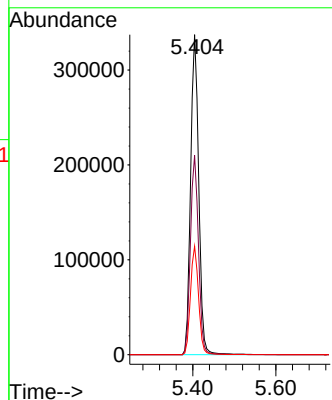
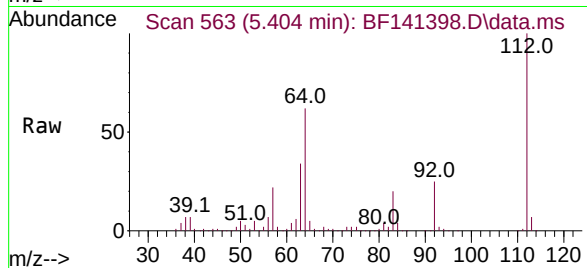




#5
2-Fluorophenol
Concen: 79.945 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

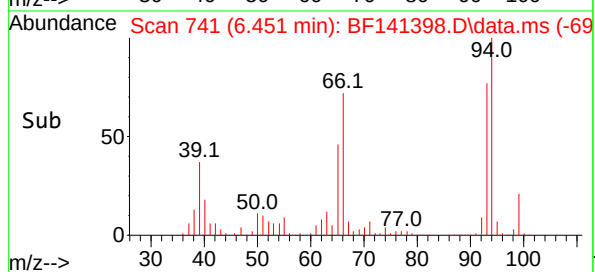
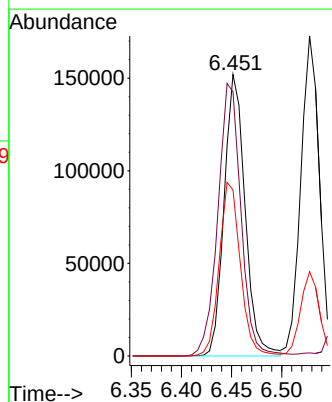
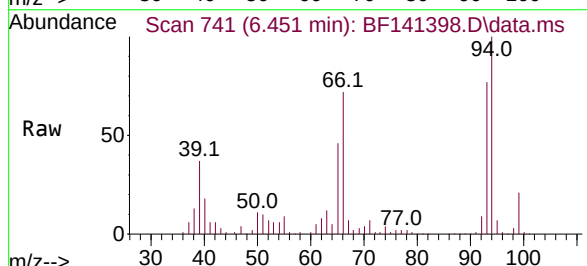
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

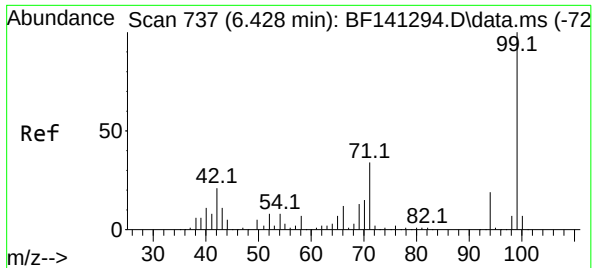
Tgt Ion:112 Resp: 455924
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.9 26.1 39.1



#6
Aniline
Concen: 35.876 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 220322
Ion Ratio Lower Upper
93 100
66 93.9 32.5 48.7#
65 59.0 17.0 25.6#

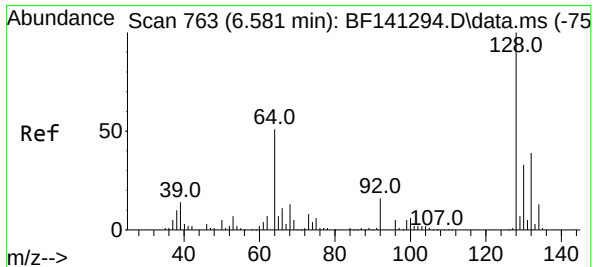
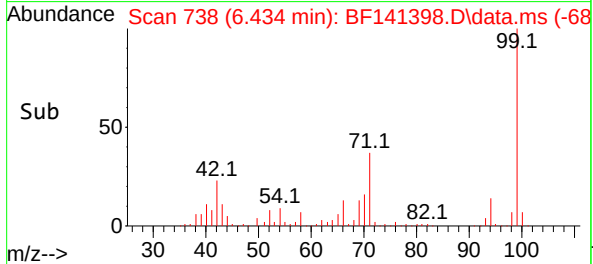
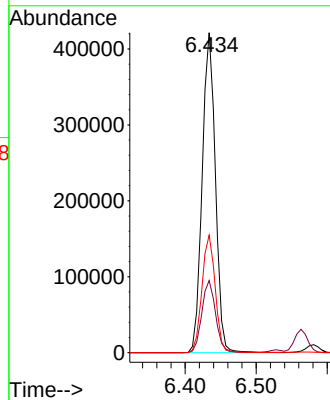
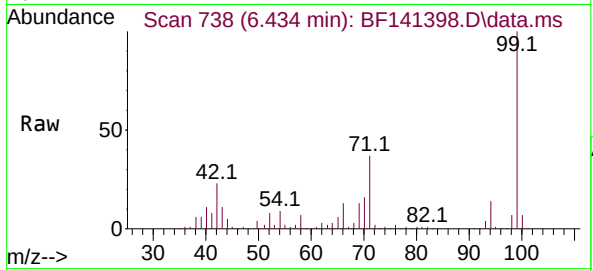




#7
Phenol-d6
Concen: 75.322 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

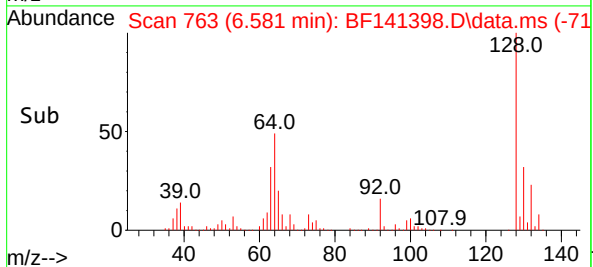
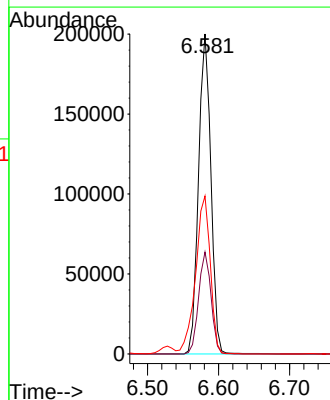
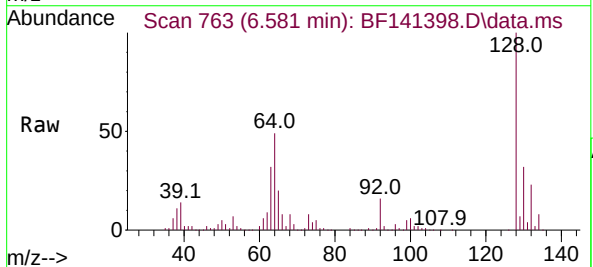
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

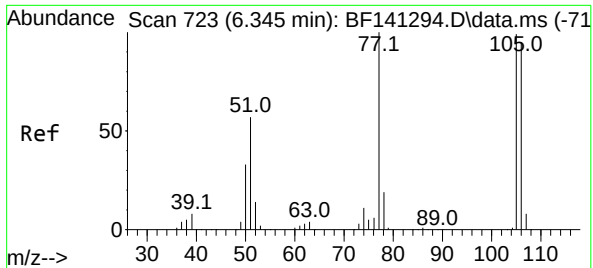
Tgt Ion: 99 Resp: 546451
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.7 26.9 40.3



#8
2-Chlorophenol
Concen: 39.734 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:128 Resp: 242879
Ion Ratio Lower Upper
128 100
130 31.8 12.5 52.5
64 49.3 32.9 72.9





#9

Benzaldehyde

Concen: 37.226 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

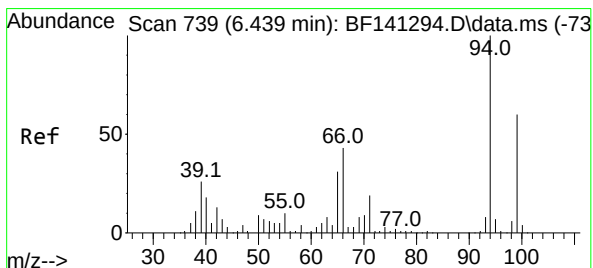
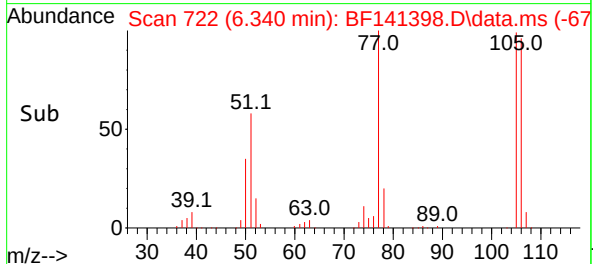
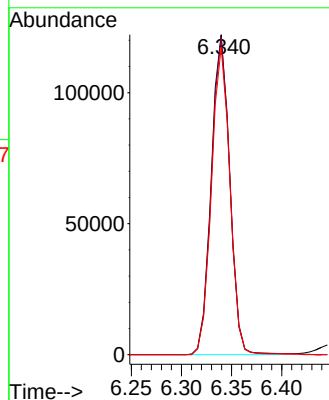
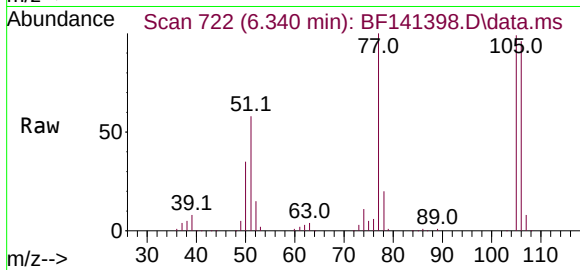
Tgt Ion: 77 Resp: 156434

Ion Ratio Lower Upper

77 100

105 99.2 79.4 119.4

106 96.0 74.6 114.6



#10

Phenol

Concen: 37.574 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

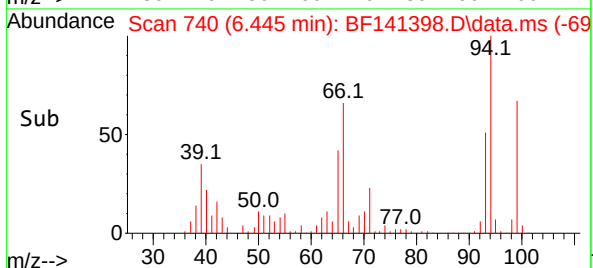
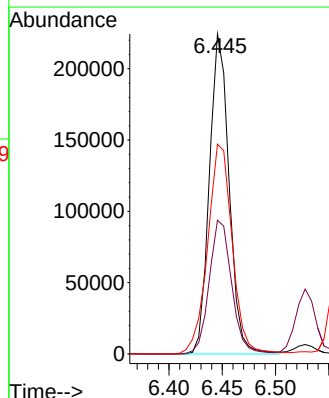
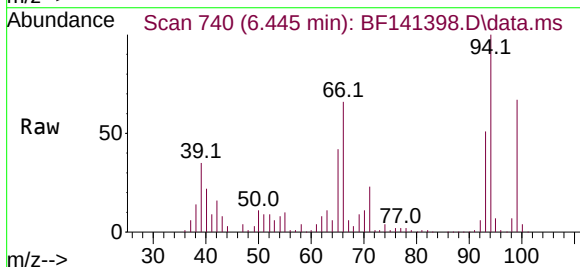
Tgt Ion: 94 Resp: 288967

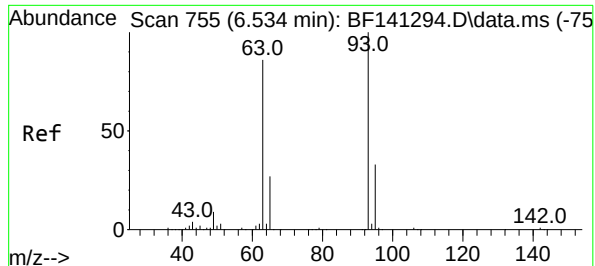
Ion Ratio Lower Upper

94 100

65 41.8 10.8 50.8

66 65.6 23.3 63.3#

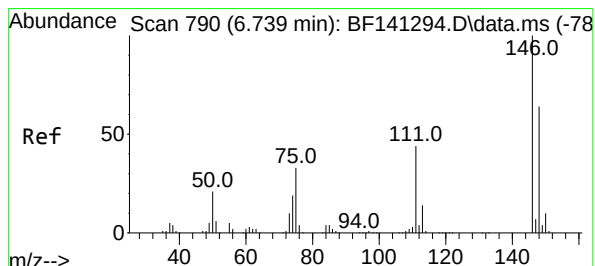
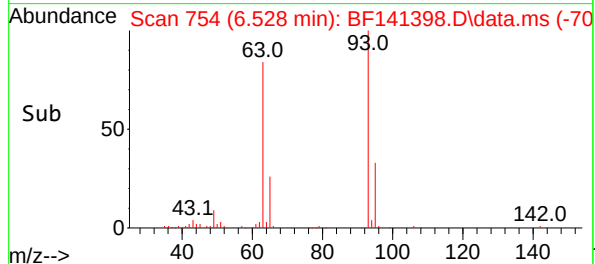
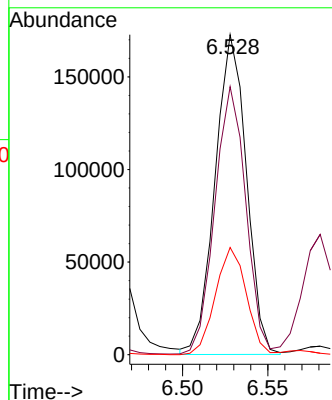
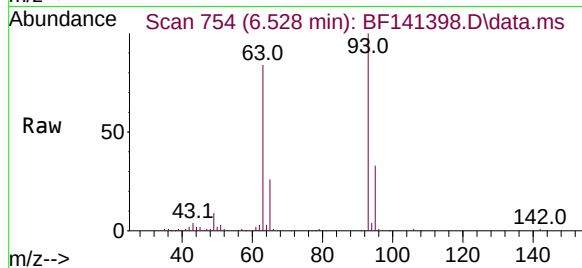




#11
bis(2-Chloroethyl)ether
Concen: 37.487 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

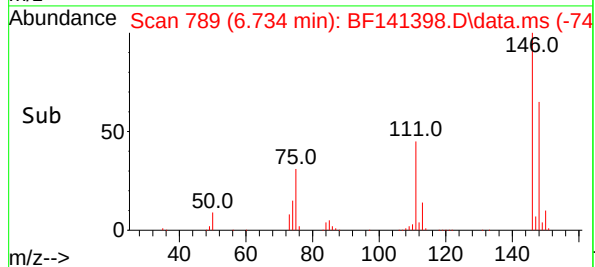
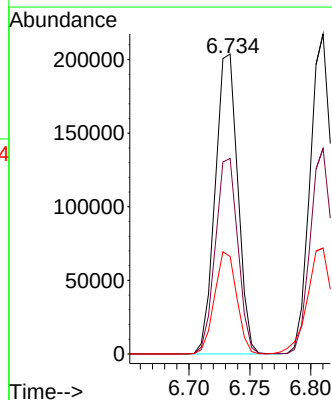
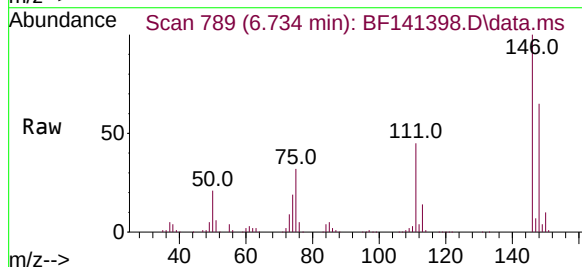
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

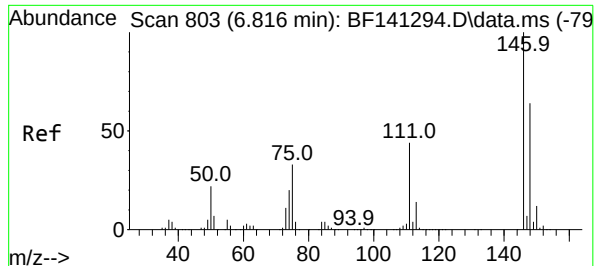
Tgt Ion: 93 Resp: 221049
Ion Ratio Lower Upper
93 100
63 83.7 65.0 105.0
95 33.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.009 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 146 Resp: 262908
Ion Ratio Lower Upper
146 100
148 65.1 51.2 76.8
75 32.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 39.806 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

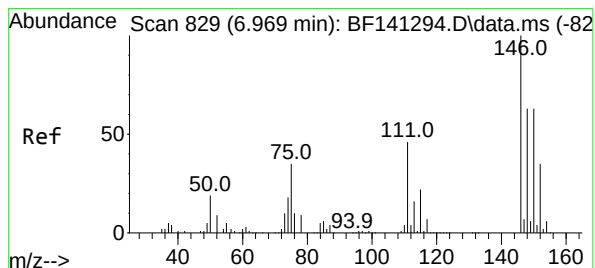
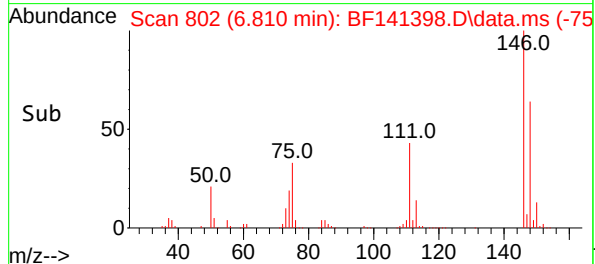
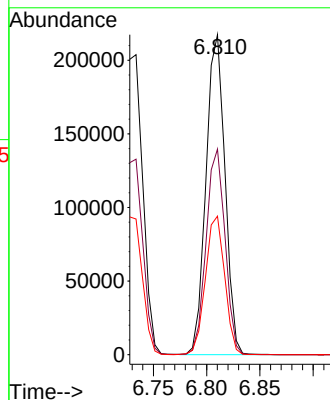
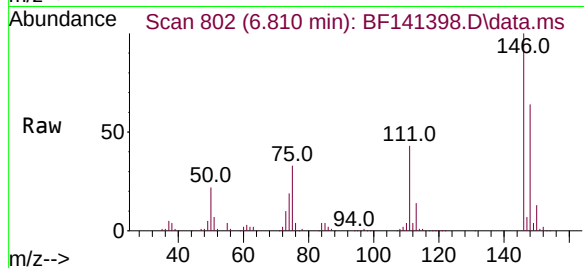
Tgt Ion:146 Resp: 269514

Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

111 43.3 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 39.708 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

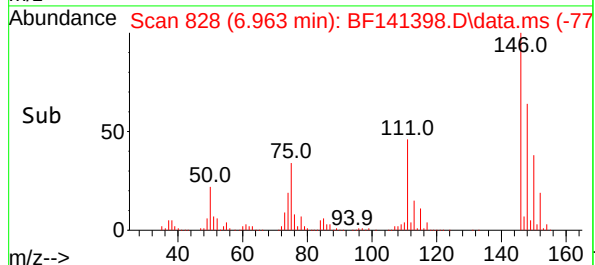
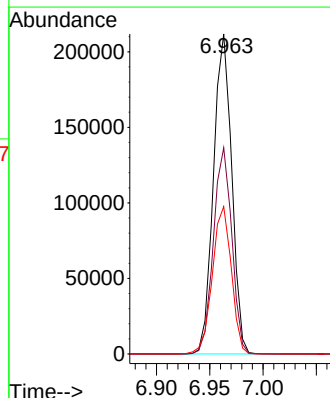
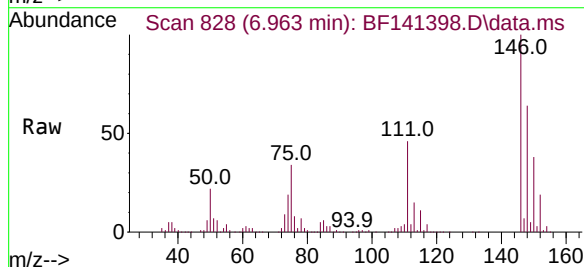
Tgt Ion:146 Resp: 251753

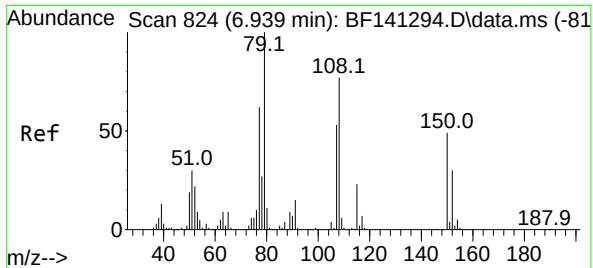
Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

111 46.1 36.6 55.0

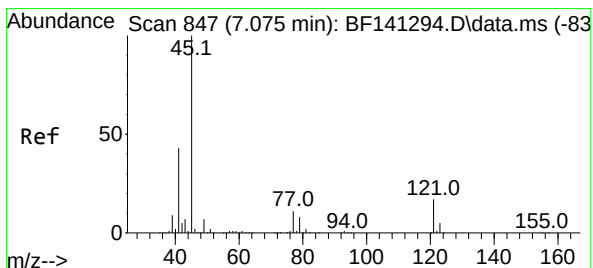
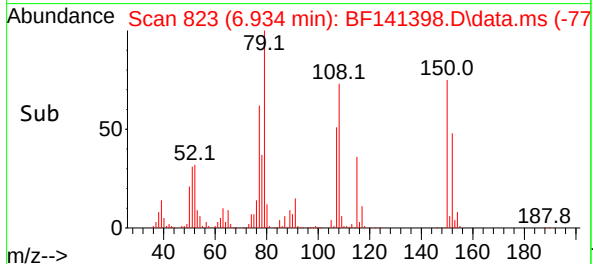
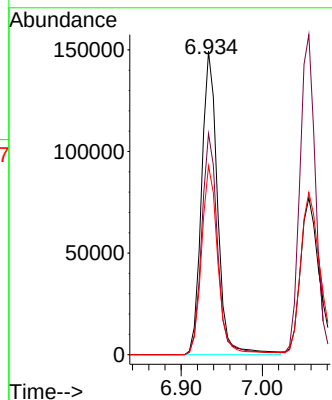
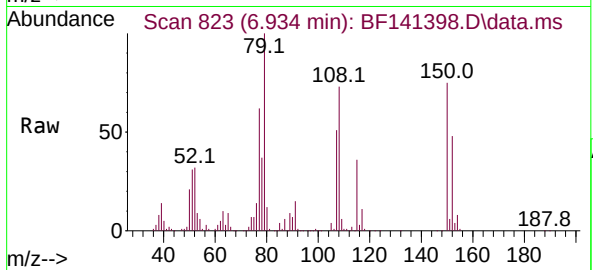




#15
Benzyl Alcohol
Concen: 41.142 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

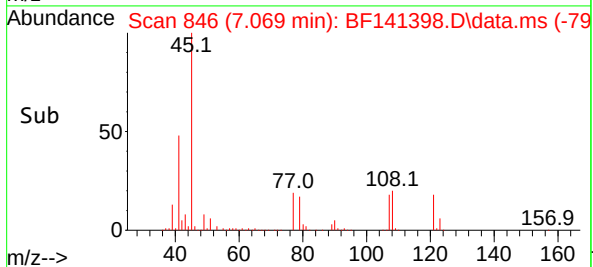
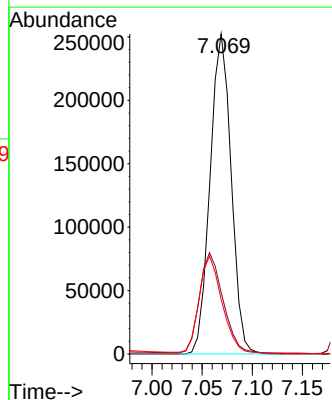
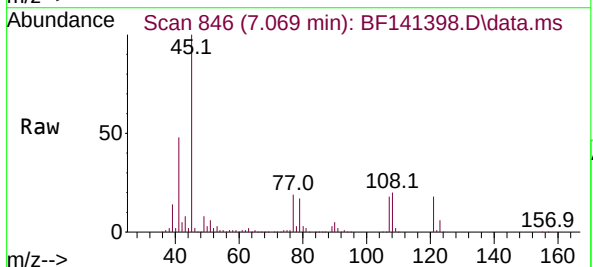
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

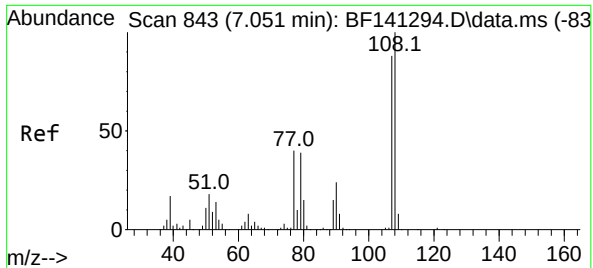
Tgt Ion: 79 Resp: 203978
Ion Ratio Lower Upper
79 100
108 72.9 61.4 92.0
77 62.3 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.004 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 45 Resp: 369176
Ion Ratio Lower Upper
45 100
77 19.2 0.0 31.8
79 17.0 0.0 29.1

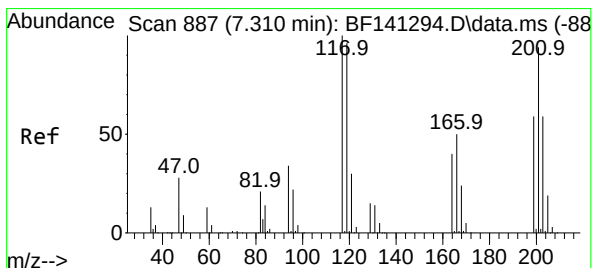
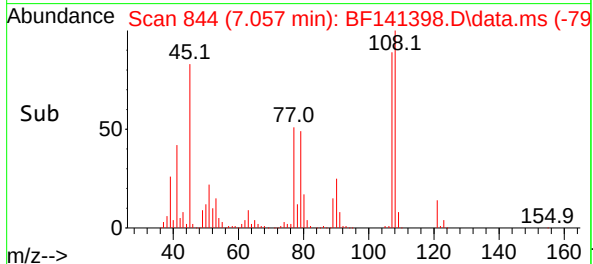
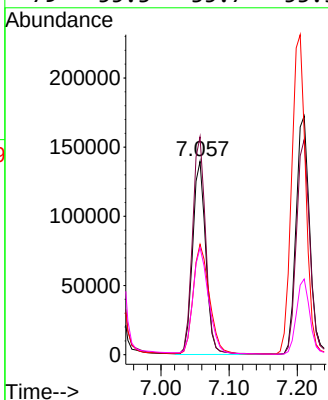
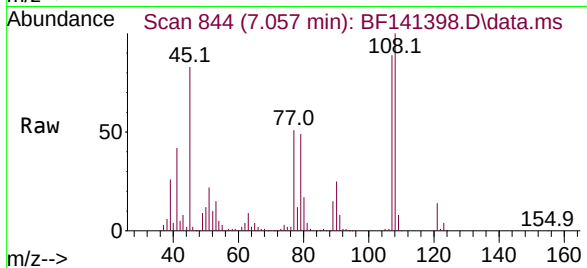




#17
2-Methylphenol
Concen: 37.854 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

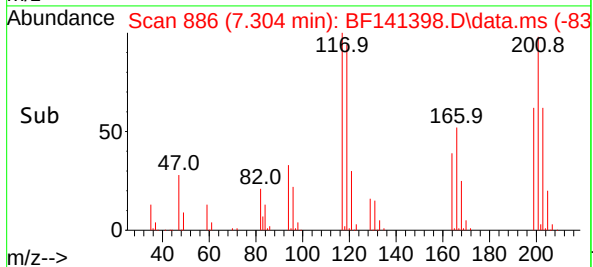
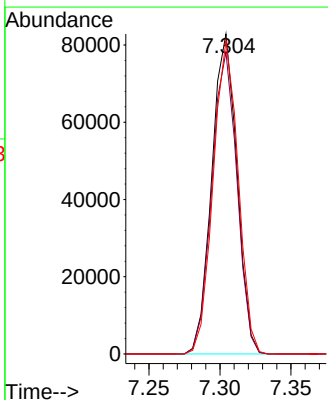
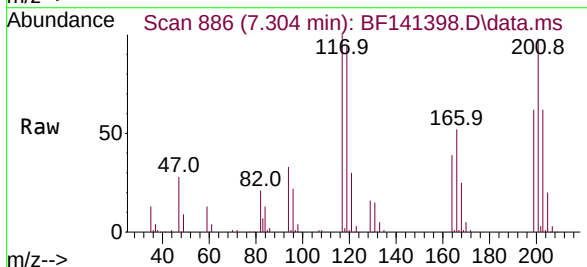
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

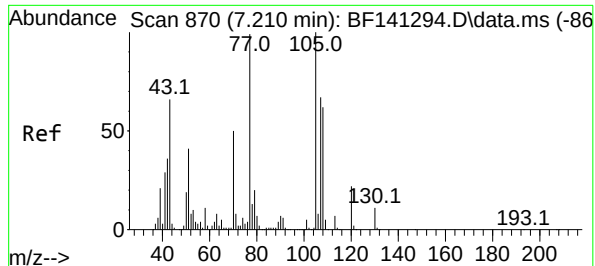
Tgt Ion:107 Resp: 188055
Ion Ratio Lower Upper
107 100
108 112.7 90.8 136.2
77 57.1 36.2 54.4#
79 55.3 35.7 53.5#



#18
Hexachloroethane
Concen: 40.842 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:117 Resp: 102015
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 97.9 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 37.733 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.024 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 162661

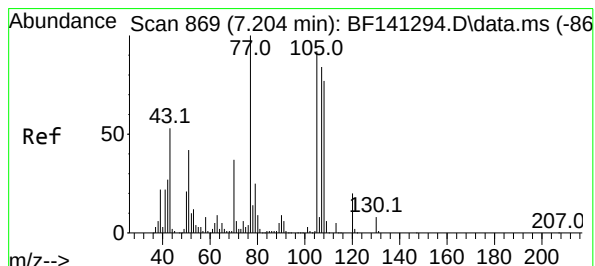
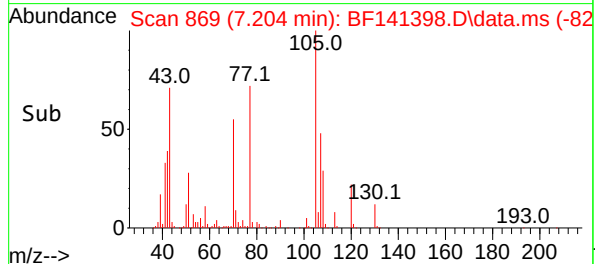
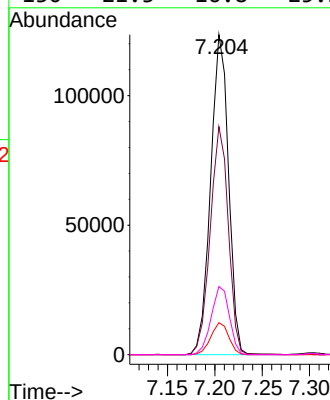
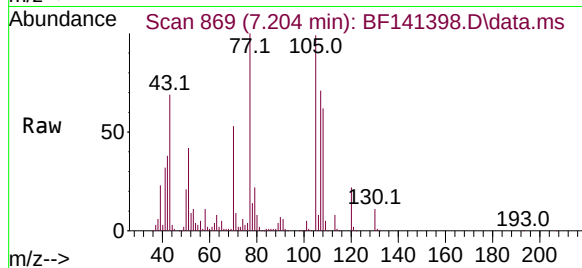
Ion Ratio Lower Upper

70 100

42 71.2 56.8 85.2

101 10.0 7.7 11.5

130 21.3 16.8 25.2



#20

3+4-Methylphenols

Concen: 39.483 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion: 107 Resp: 240839

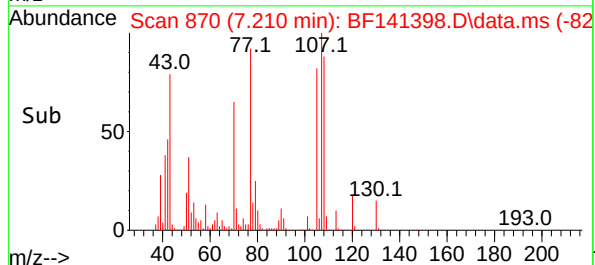
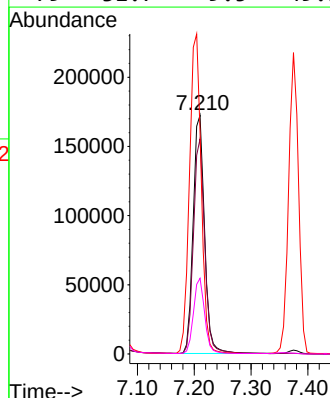
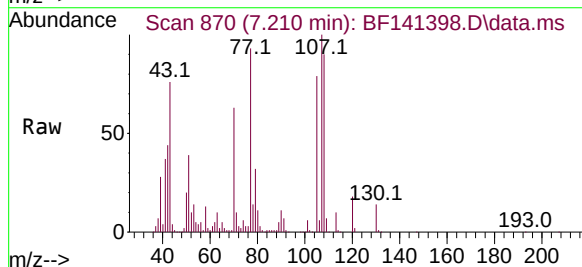
Ion Ratio Lower Upper

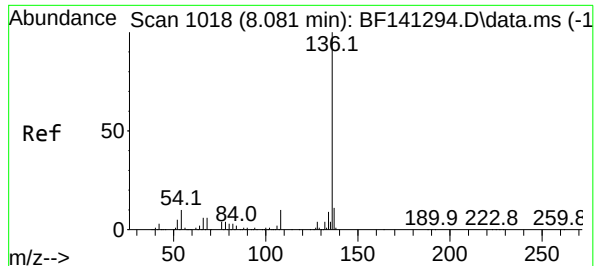
107 100

108 90.0 70.9 110.9

77 93.0 98.5 138.5#

79 31.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141398.D

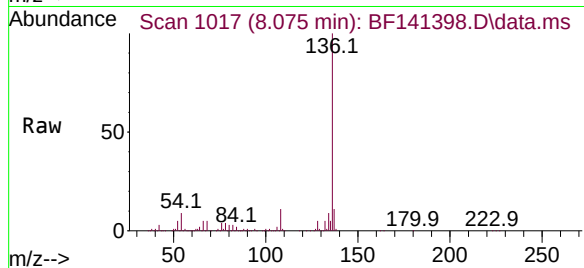
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 331835

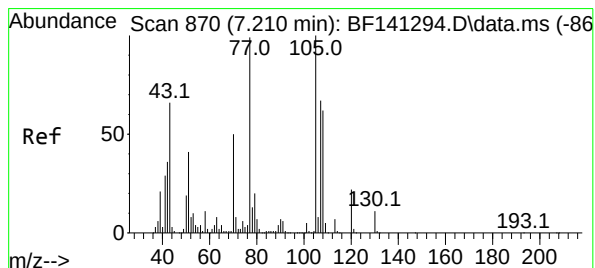
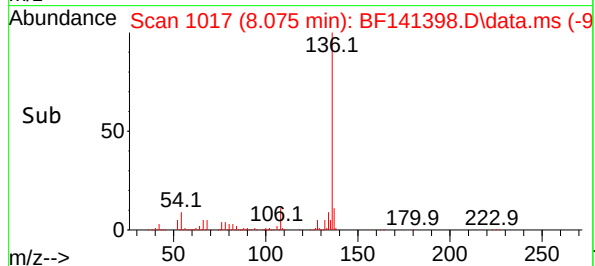
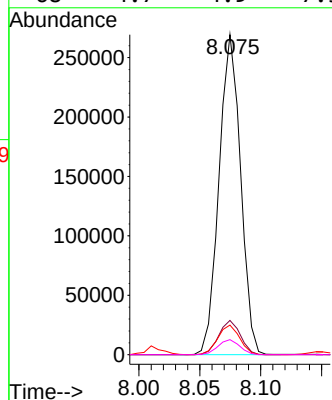
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 41.351 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:105 Resp: 326166

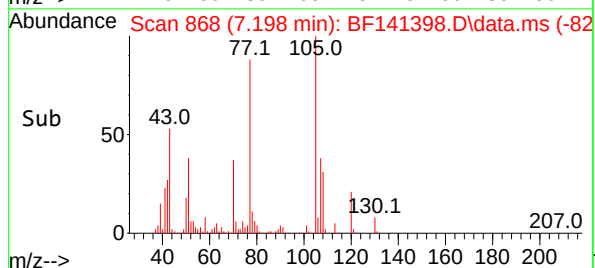
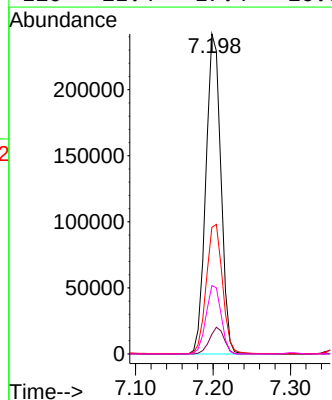
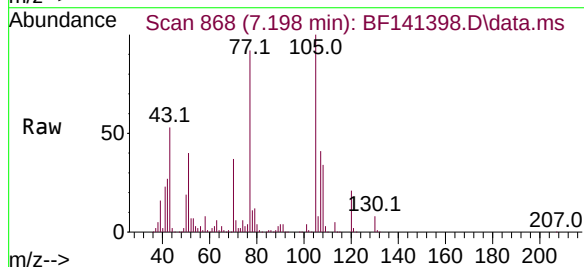
Ion Ratio Lower Upper

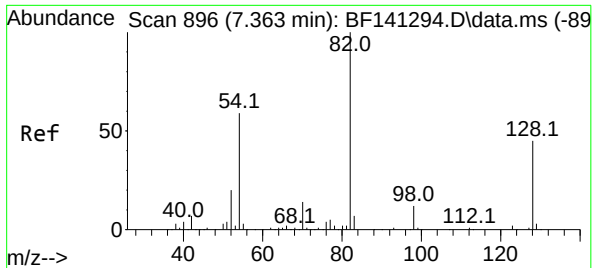
105 100

71 6.2 6.8 10.2#

51 39.6 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 82.468 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

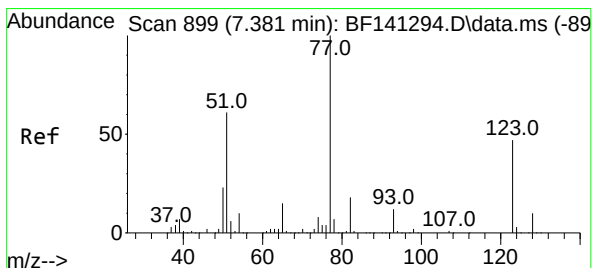
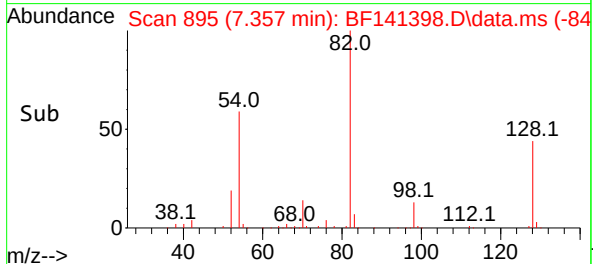
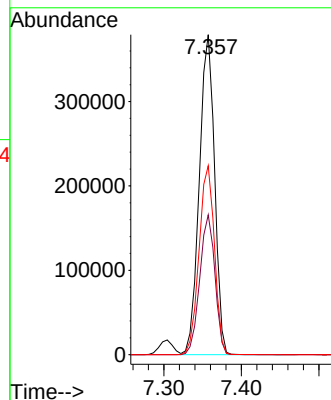
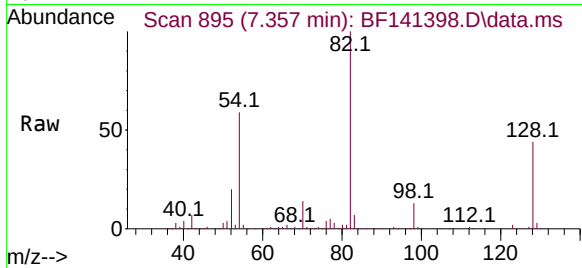
Tgt Ion: 82 Resp: 519110

Ion Ratio Lower Upper

82 100

128 43.7 35.7 53.5

54 59.0 47.1 70.7



#24

Nitrobenzene

Concen: 40.497 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

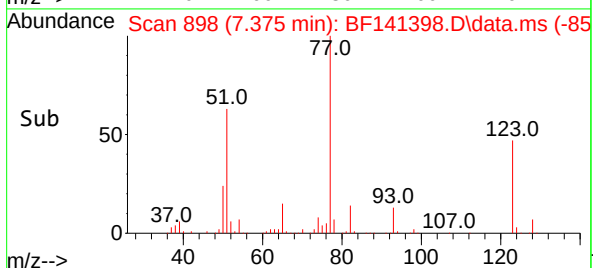
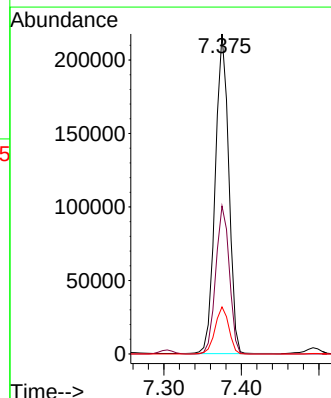
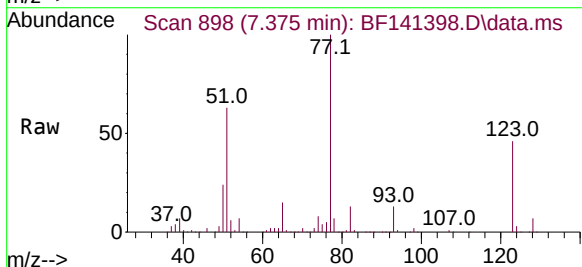
Tgt Ion: 77 Resp: 264172

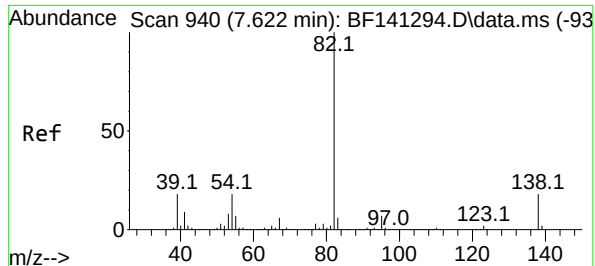
Ion Ratio Lower Upper

77 100

123 46.3 37.3 55.9

65 14.7 11.8 17.6





#25

Isophorone

Concen: 39.213 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

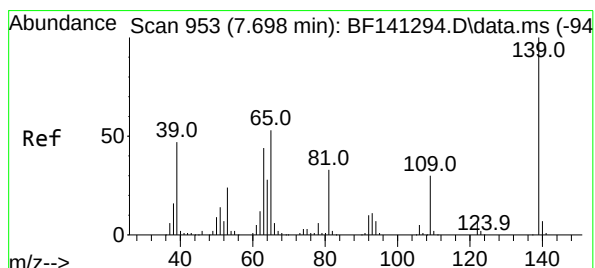
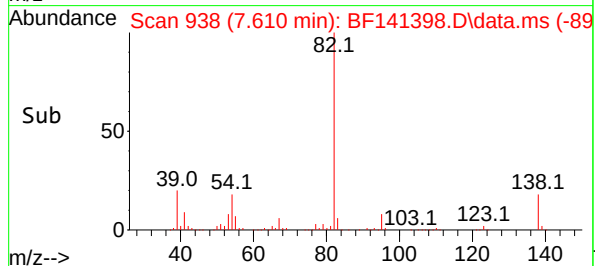
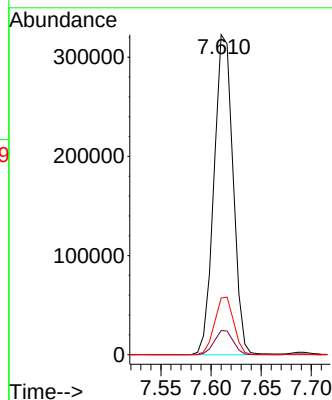
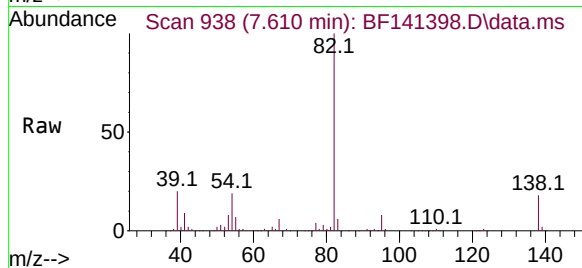
Tgt Ion: 82 Resp: 426672

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

138 17.7 14.7 22.1



#26

2-Nitrophenol

Concen: 39.973 ng

RT: 7.692 min Scan# 952

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

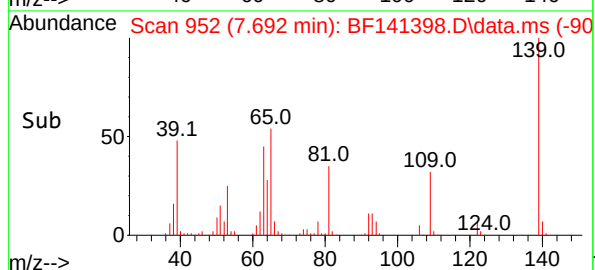
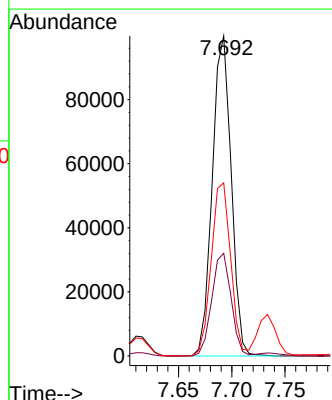
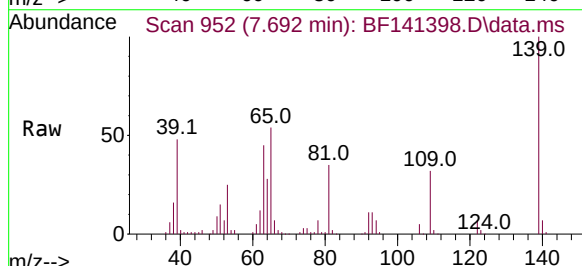
Tgt Ion:139 Resp: 122977

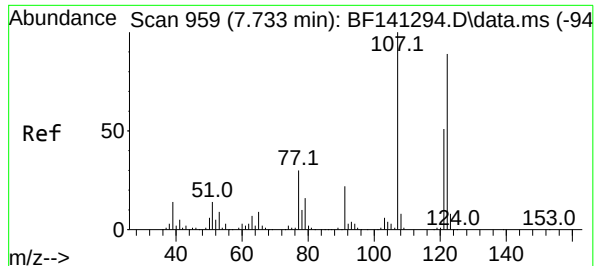
Ion Ratio Lower Upper

139 100

109 32.1 23.8 35.6

65 54.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.904 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

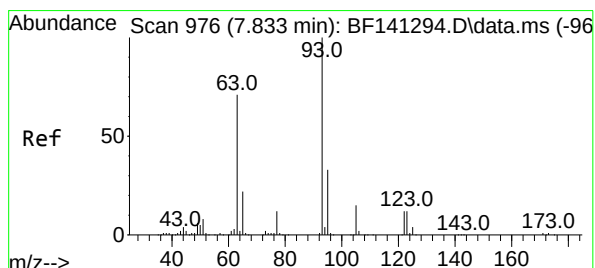
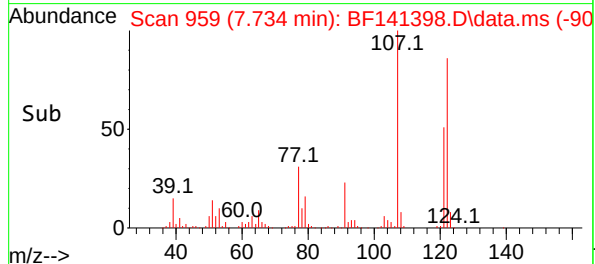
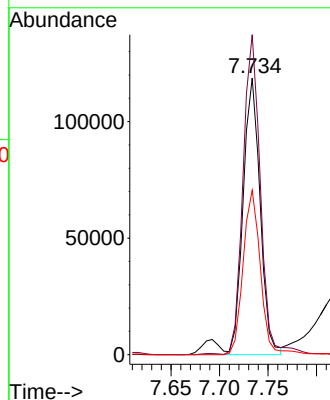
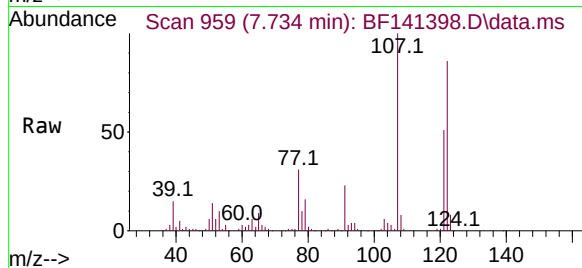
Tgt Ion:122 Resp: 152342

Ion Ratio Lower Upper

122 100

107 115.7 89.9 134.9

121 59.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 38.495 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

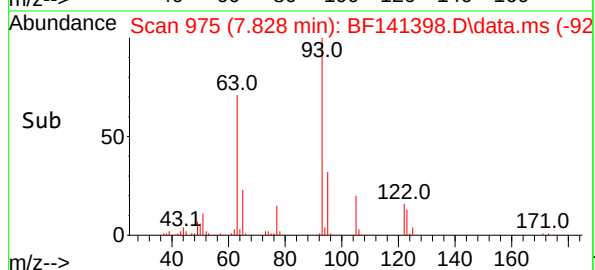
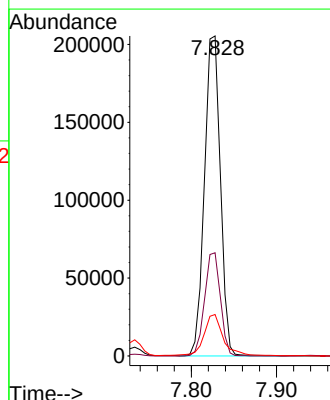
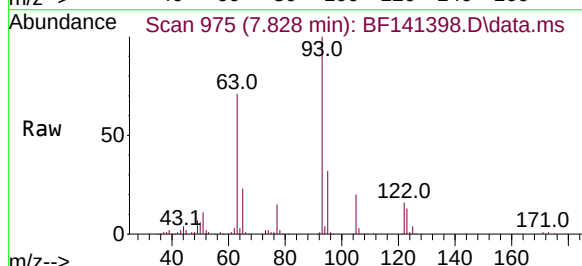
Tgt Ion: 93 Resp: 267181

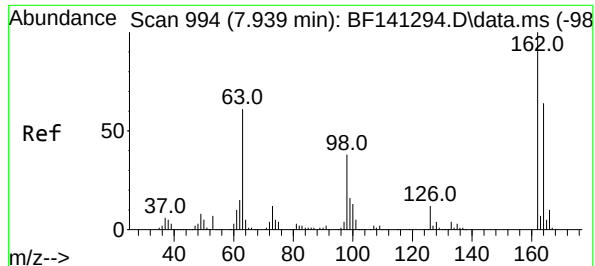
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.025 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

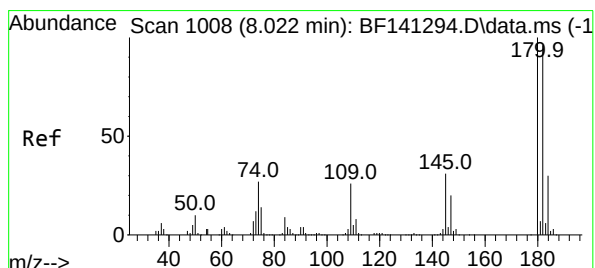
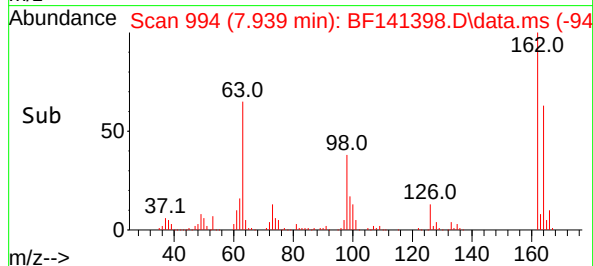
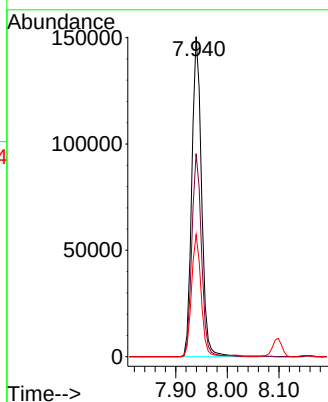
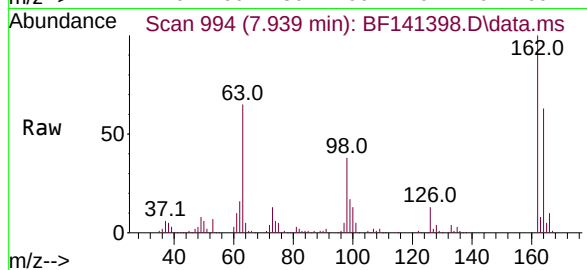
Tgt Ion:162 Resp: 196668

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 40.631 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

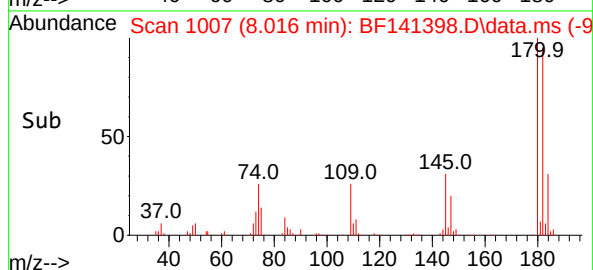
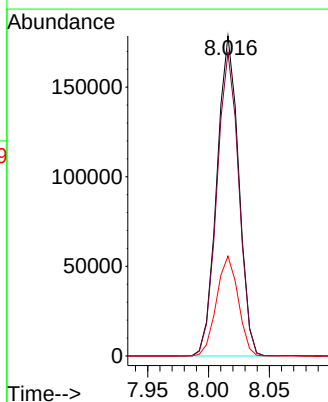
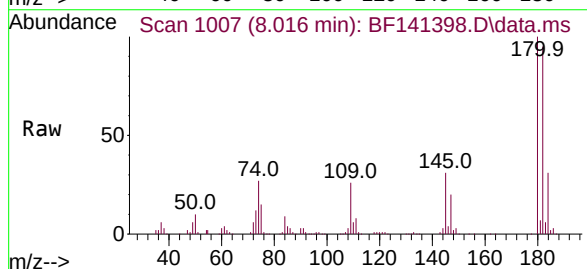
Tgt Ion:180 Resp: 222442

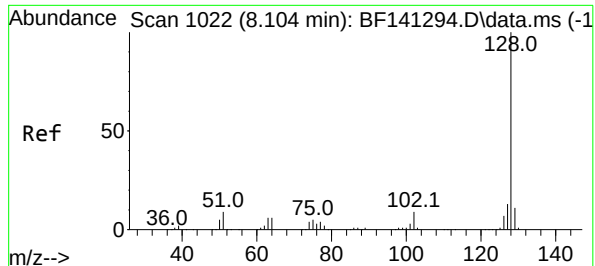
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

145 31.2 24.9 37.3





#31

Naphthalene

Concen: 40.155 ng

RT: 8.098 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

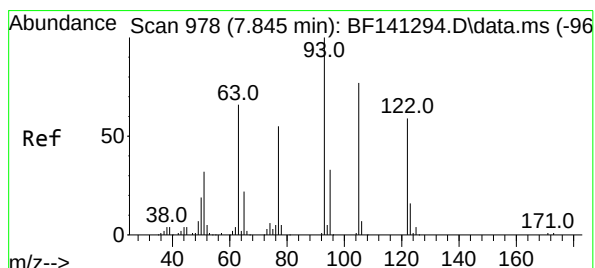
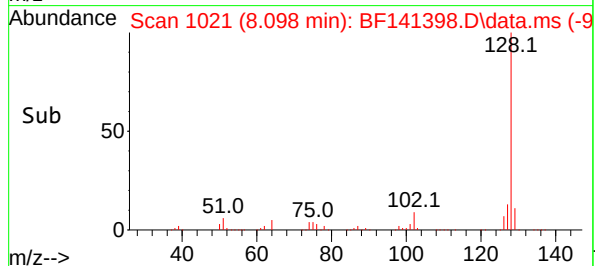
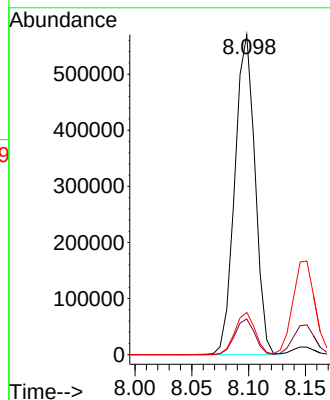
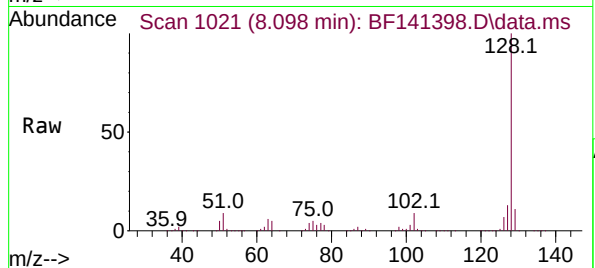
Tgt Ion:128 Resp: 703917

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 42.292 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

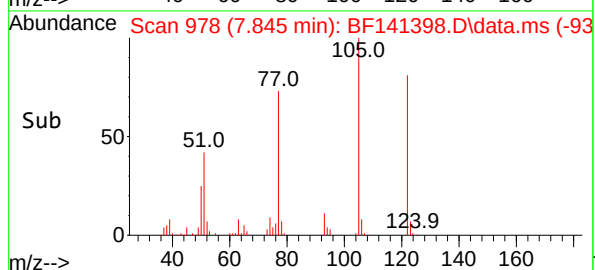
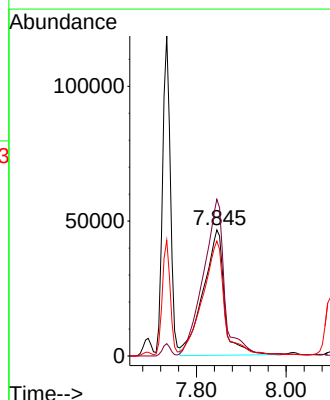
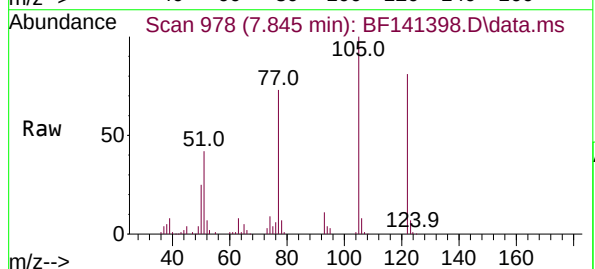
Tgt Ion:122 Resp: 152241

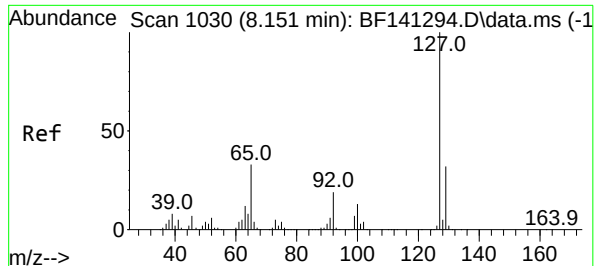
Ion Ratio Lower Upper

122 100

105 124.2 103.4 143.4

77 91.1 70.9 110.9





#33

4-Chloroaniline

Concen: 38.783 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 230545

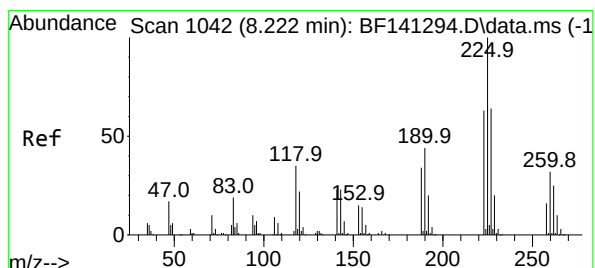
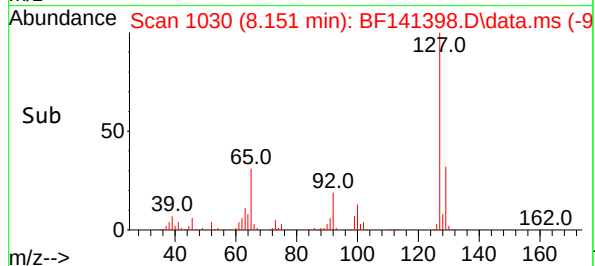
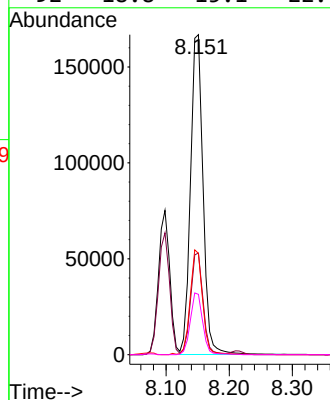
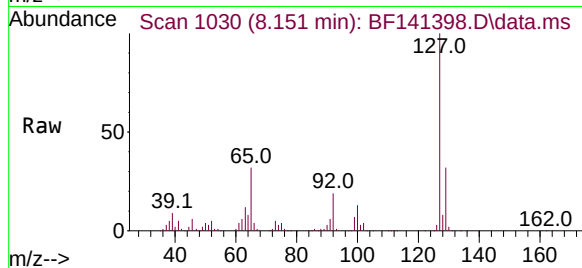
Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 31.7 26.4 39.6

92 18.8 15.1 22.7



#34

Hexachlorobutadiene

Concen: 42.897 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

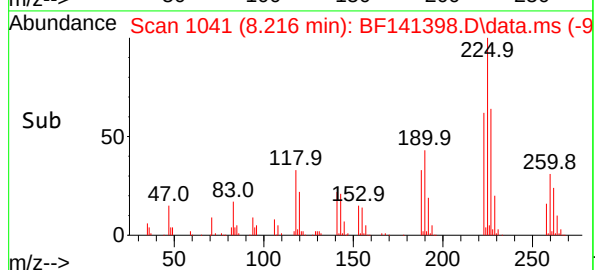
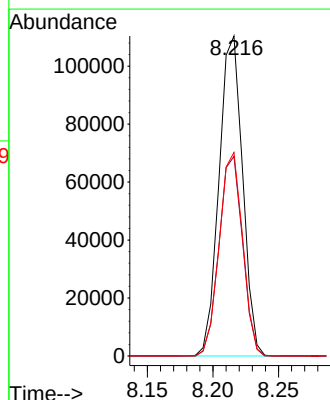
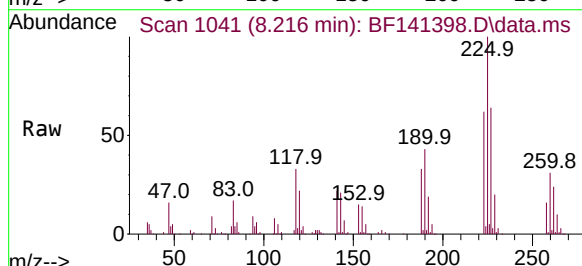
Tgt Ion:225 Resp: 137723

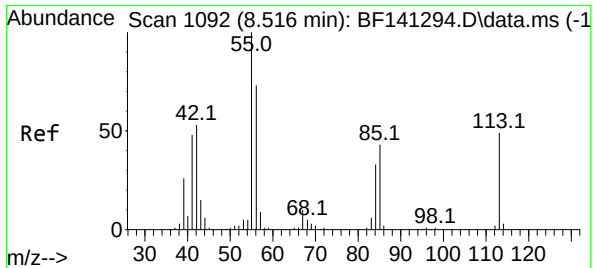
Ion Ratio Lower Upper

225 100

223 62.3 50.4 75.6

227 63.6 51.3 76.9





#35

Caprolactam

Concen: 39.634 ng

RT: 8.510 min Scan# 1092

Delta R.T. -0.035 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

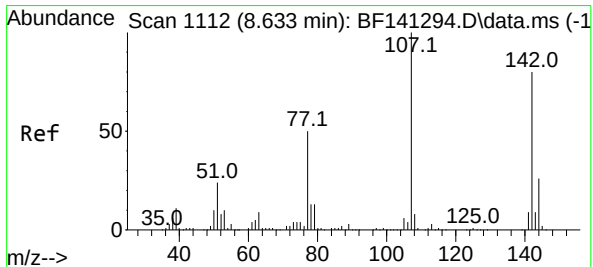
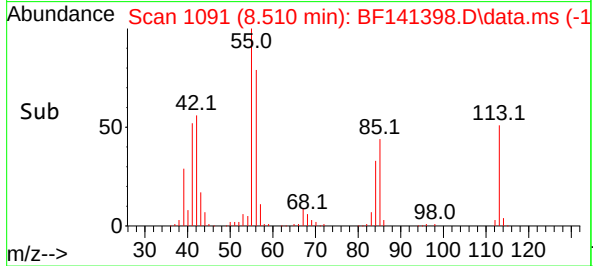
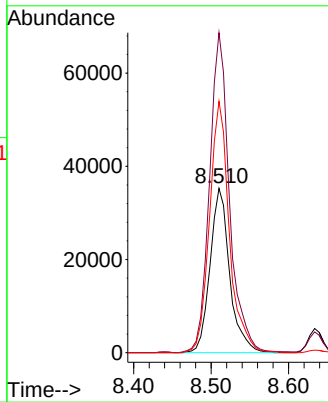
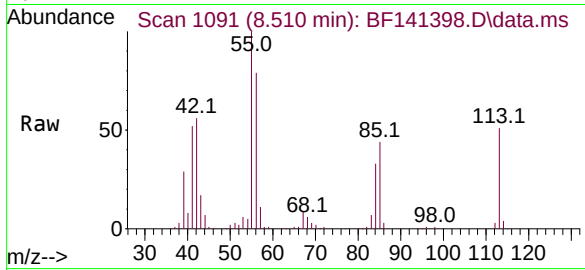
Tgt Ion:113 Resp: 62051

Ion Ratio Lower Upper

113 100

55 194.6 182.9 222.9

56 152.9 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 42.000 ng

RT: 8.634 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

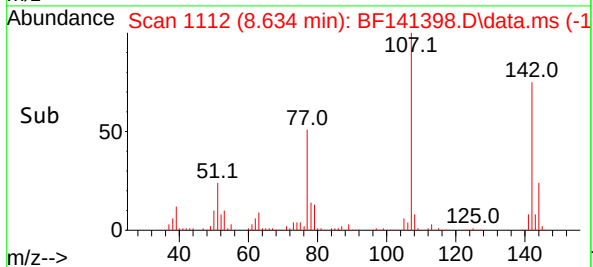
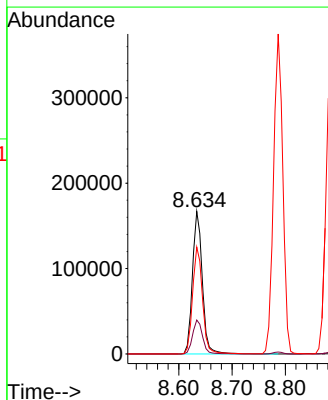
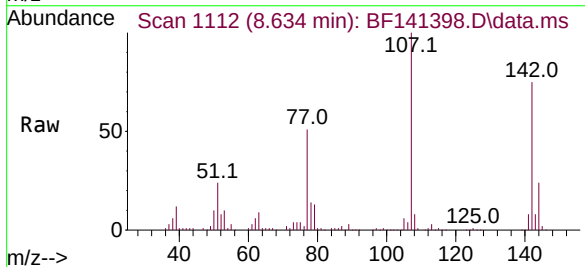
Tgt Ion:107 Resp: 215967

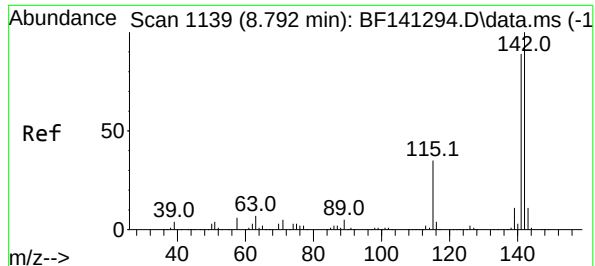
Ion Ratio Lower Upper

107 100

144 23.9 20.7 31.1

142 75.0 63.8 95.8

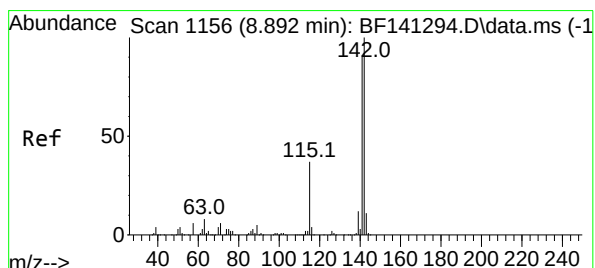
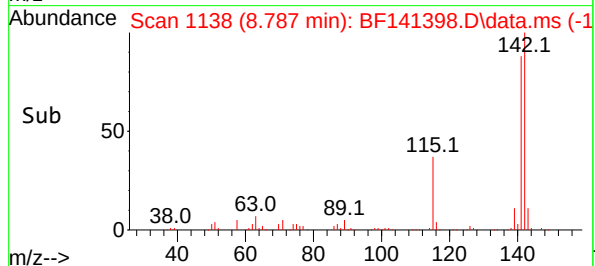
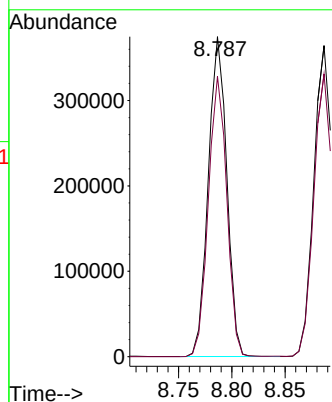
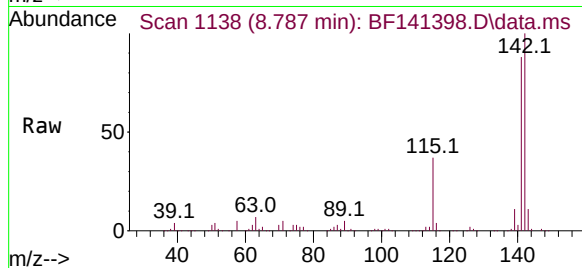




#37
2-Methylnaphthalene
Concen: 40.722 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

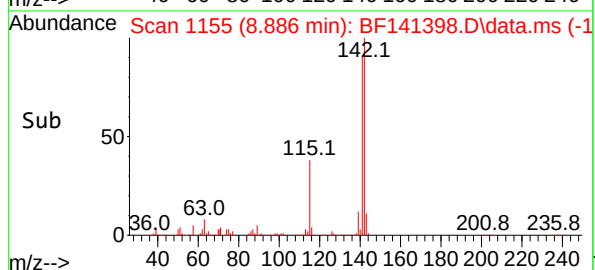
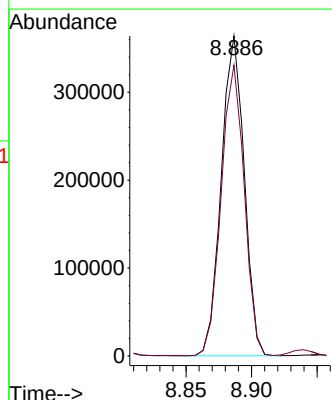
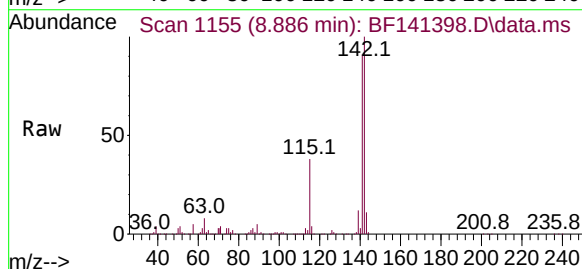
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

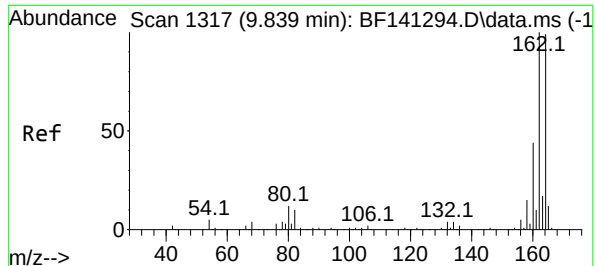
Tgt Ion:142 Resp: 453714
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9



#38
1-Methylnaphthalene
Concen: 40.487 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:142 Resp: 443121
Ion Ratio Lower Upper
142 100
141 90.9 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

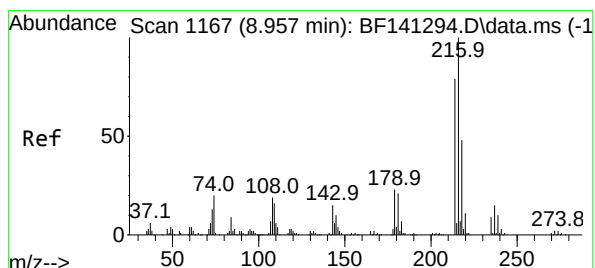
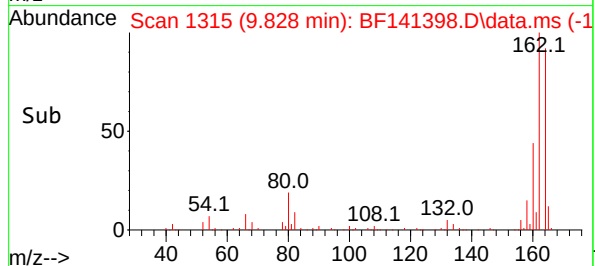
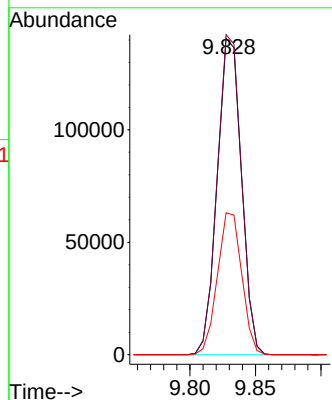
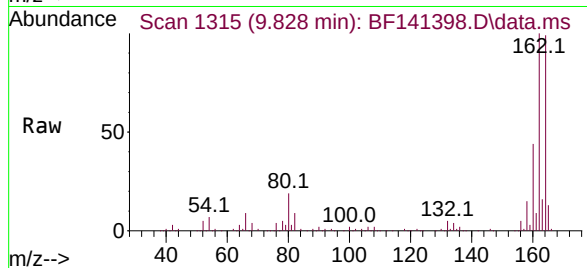
Tgt Ion:164 Resp: 180473

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.257 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:216 Resp: 211825

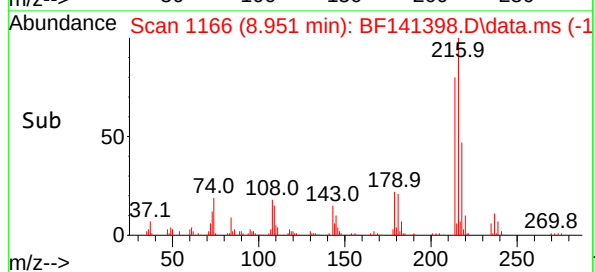
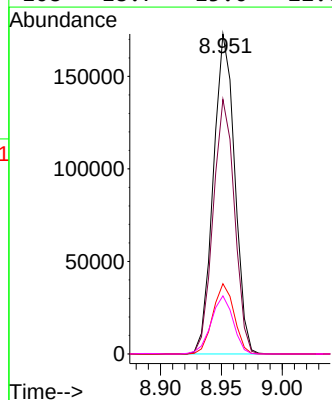
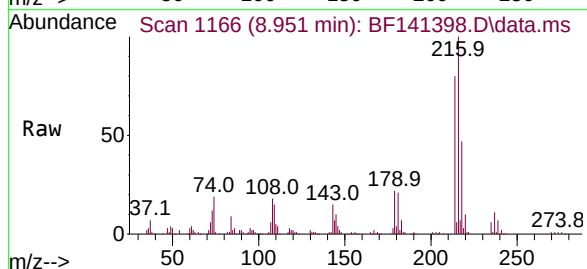
Ion Ratio Lower Upper

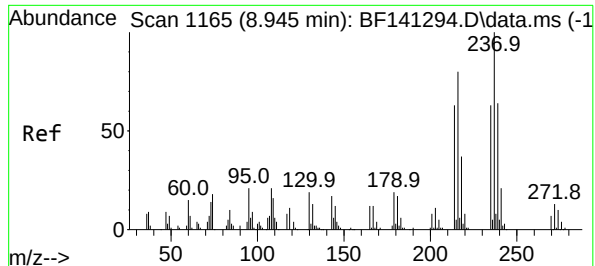
216 100

214 79.2 63.2 94.8

179 21.7 17.8 26.8

108 18.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 43.974 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

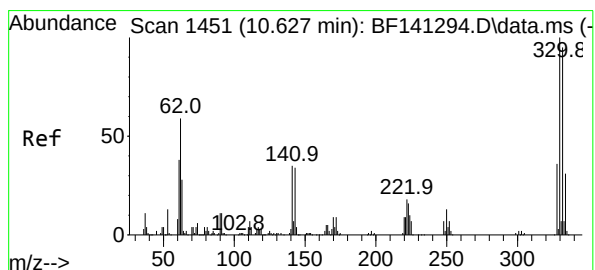
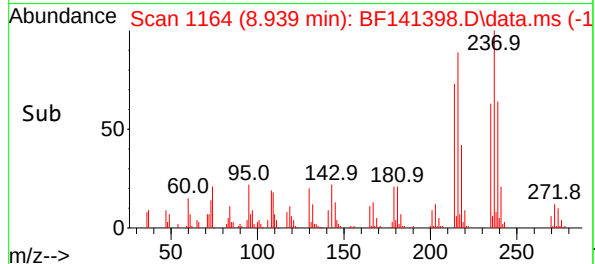
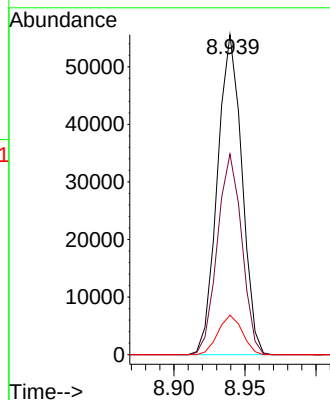
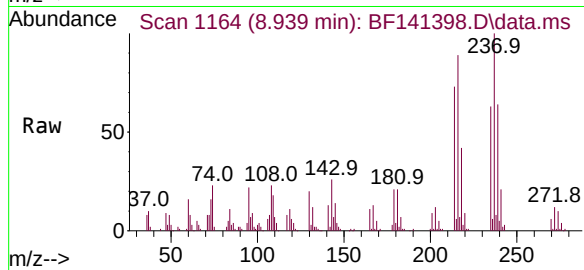
Tgt Ion:237 Resp: 66678

Ion Ratio Lower Upper

237 100

235 62.7 42.9 82.9

272 12.4 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 88.147 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

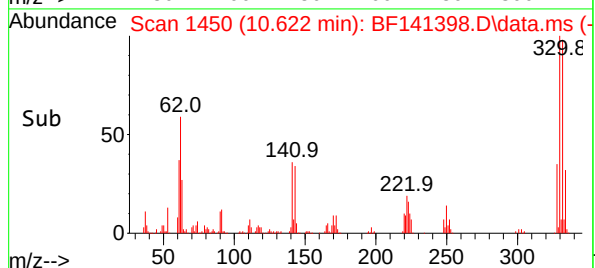
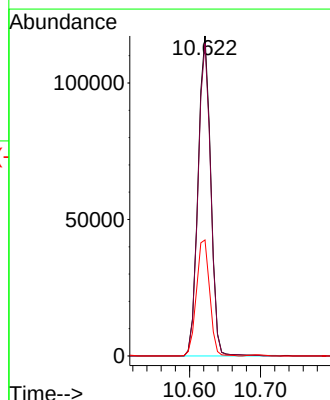
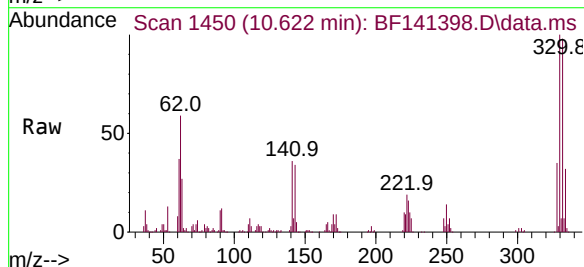
Tgt Ion:330 Resp: 145841

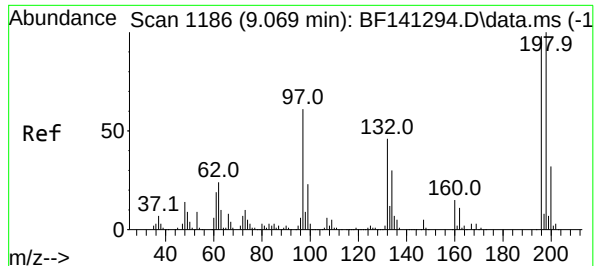
Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 37.8 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.007 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

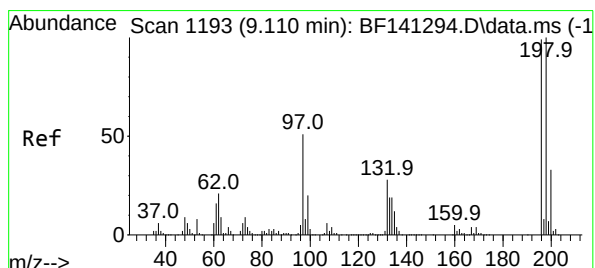
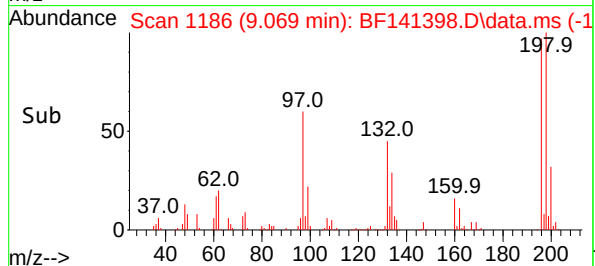
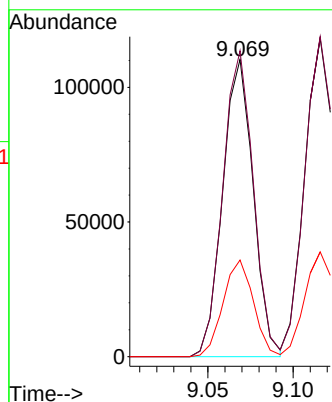
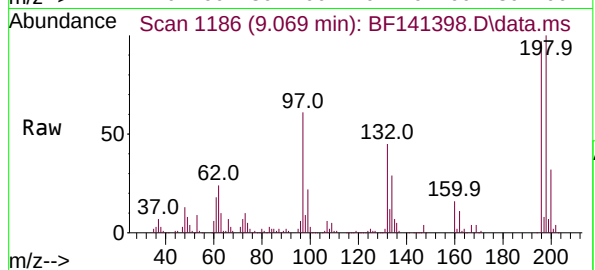
Tgt Ion:196 Resp: 137805

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 41.577 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:196 Resp: 152071

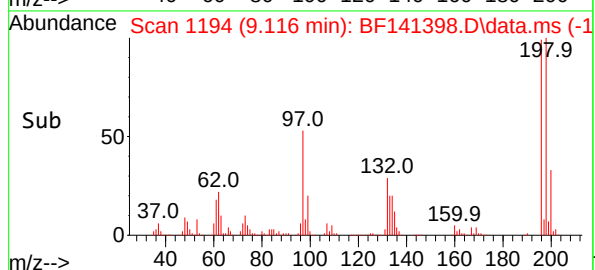
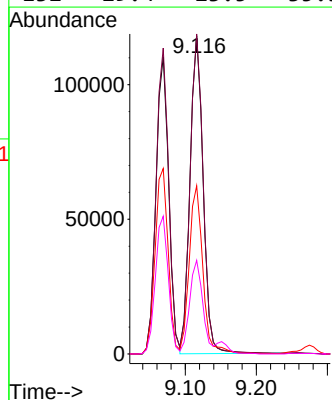
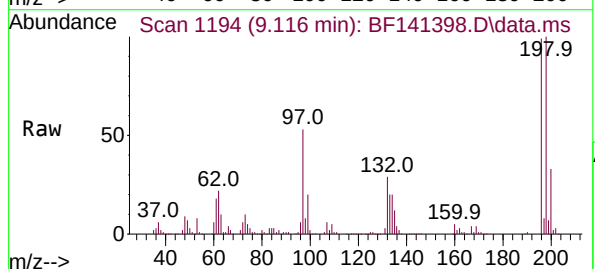
Ion Ratio Lower Upper

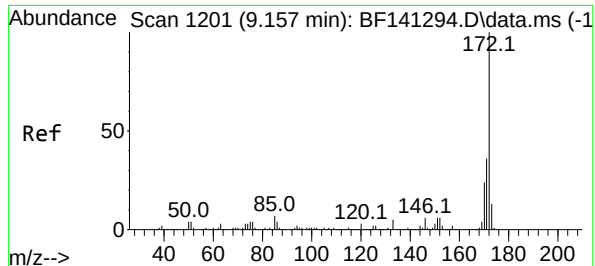
196 100

198 100.5 80.5 120.7

97 52.8 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 81.771 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

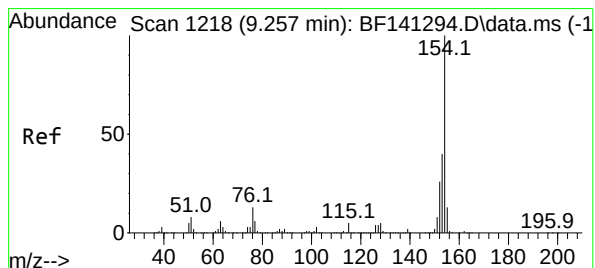
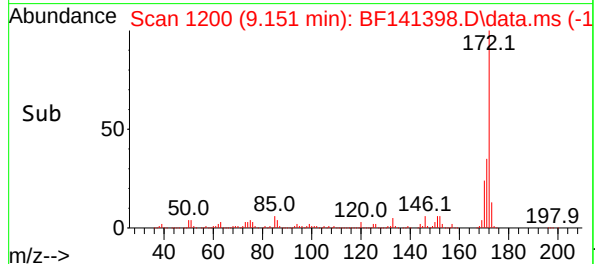
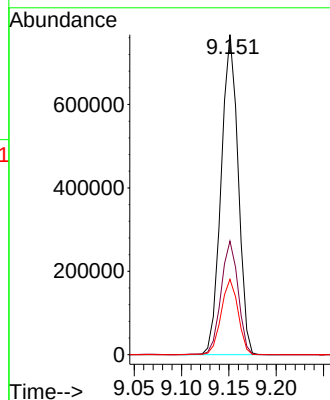
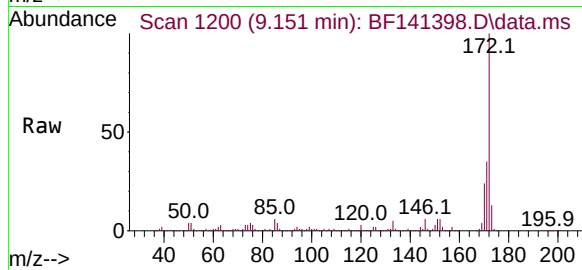
Tgt Ion:172 Resp: 958786

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.0 28.6



#46

1,1'-Biphenyl

Concen: 40.089 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

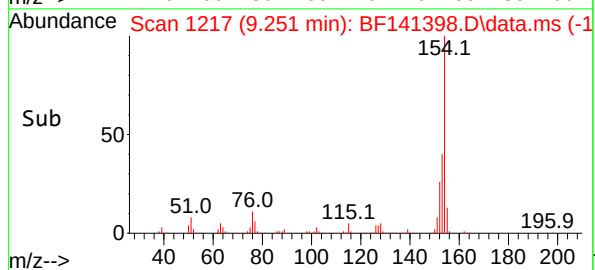
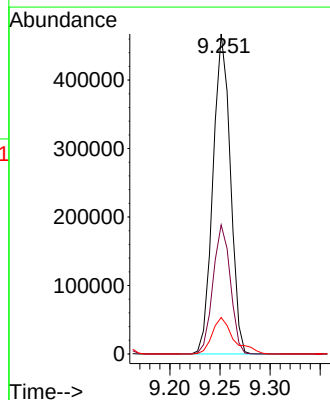
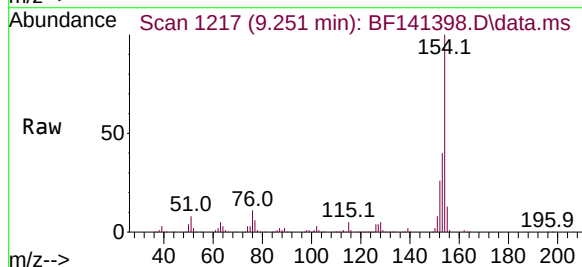
Tgt Ion:154 Resp: 564241

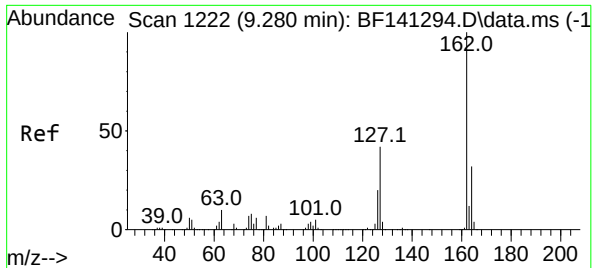
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.785 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

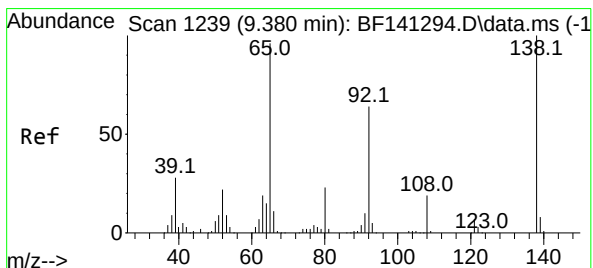
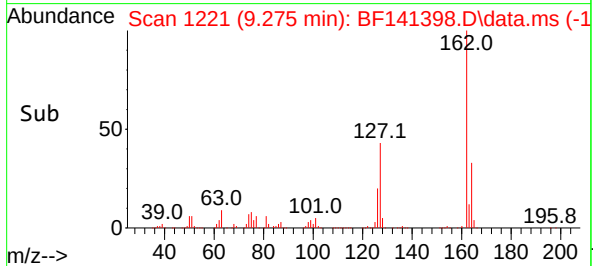
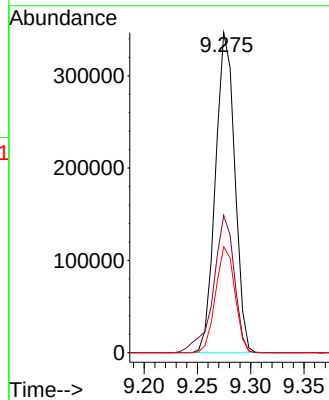
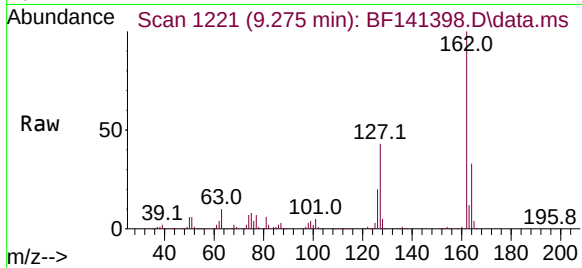
Tgt Ion:162 Resp: 436455

Ion Ratio Lower Upper

162 100

127 42.9 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 40.764 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

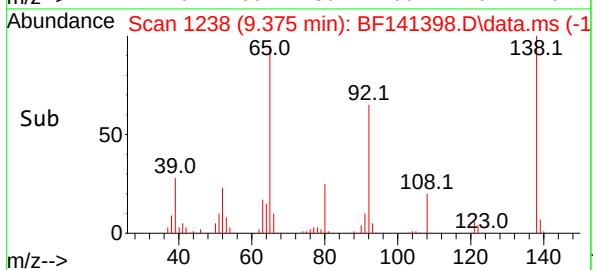
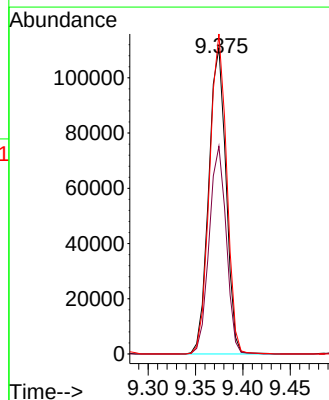
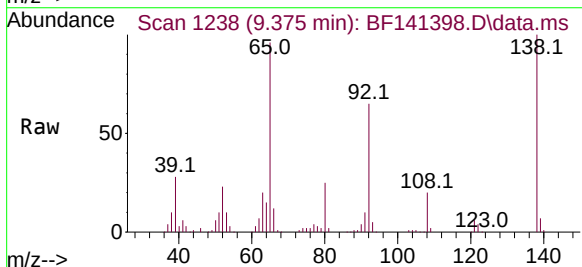
Tgt Ion: 65 Resp: 140664

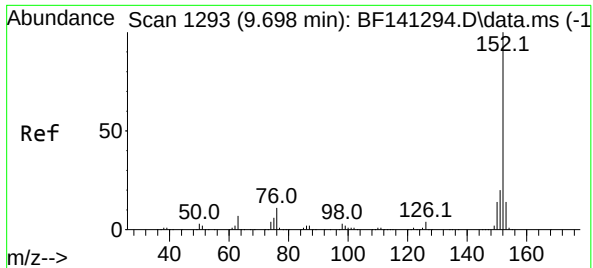
Ion Ratio Lower Upper

65 100

92 67.8 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 40.360 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

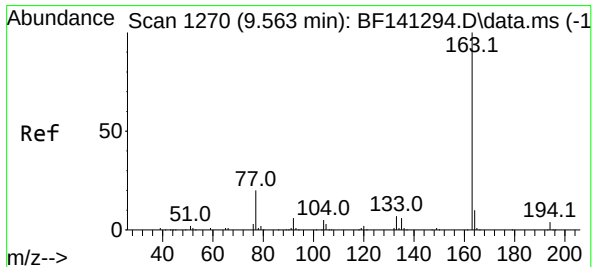
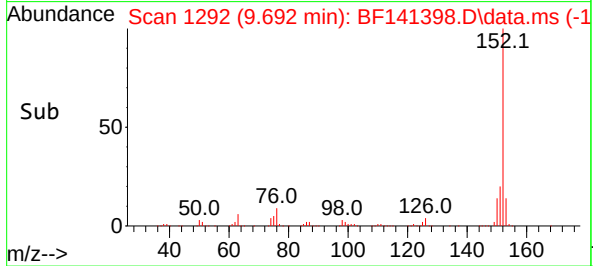
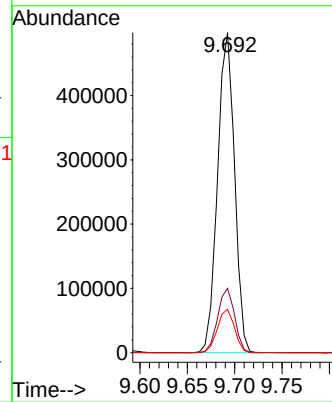
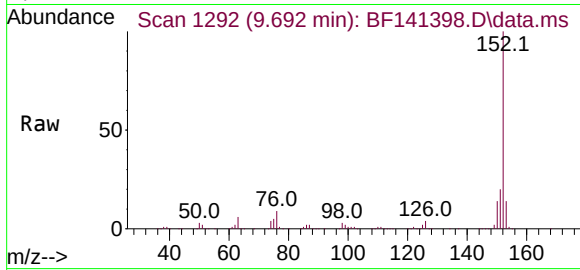
Tgt Ion:152 Resp: 619791

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.6 11.0 16.6



#50

Dimethylphthalate

Concen: 40.604 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

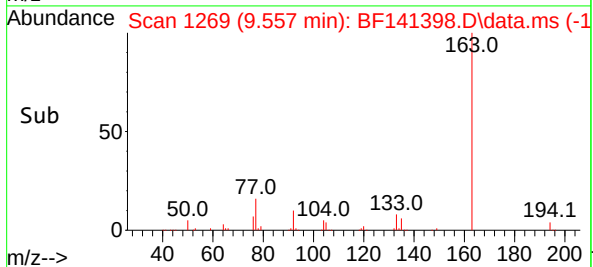
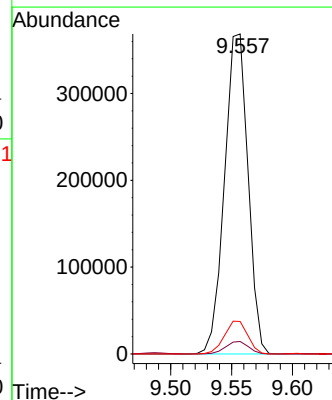
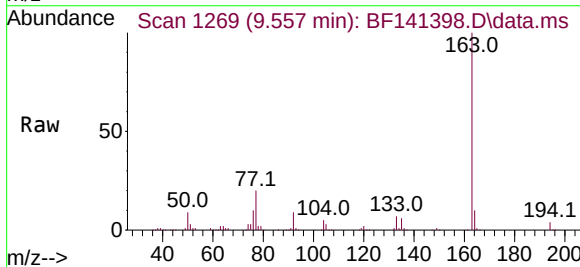
Tgt Ion:163 Resp: 494930

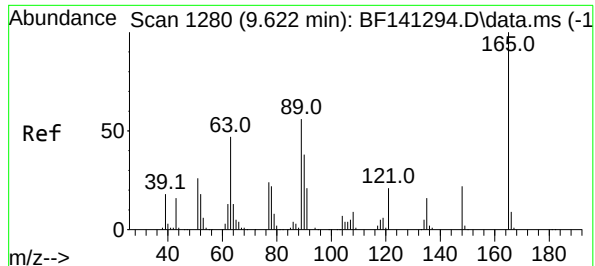
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 40.929 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

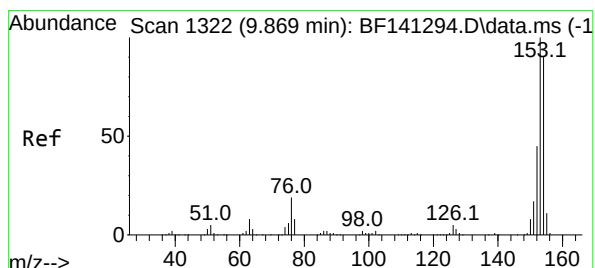
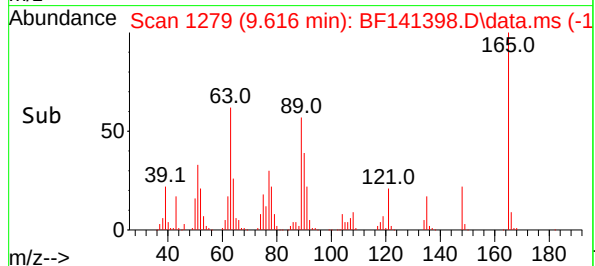
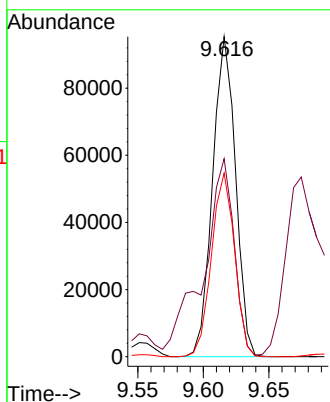
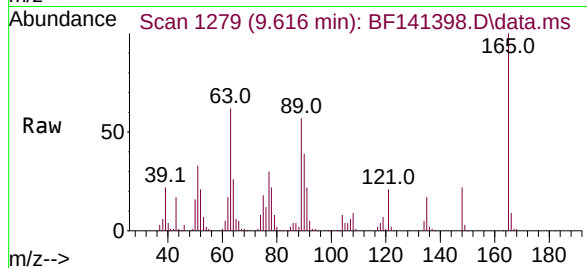
Tgt Ion:165 Resp: 115835

Ion Ratio Lower Upper

165 100

63 61.9 48.1 72.1

89 57.4 44.9 67.3



#52

Acenaphthene

Concen: 41.328 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

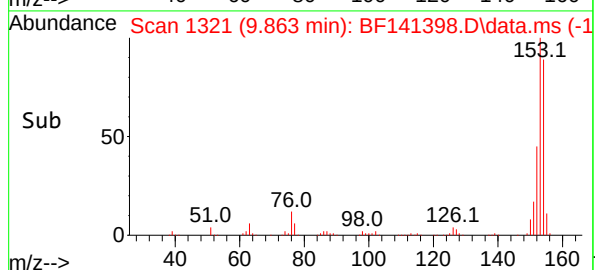
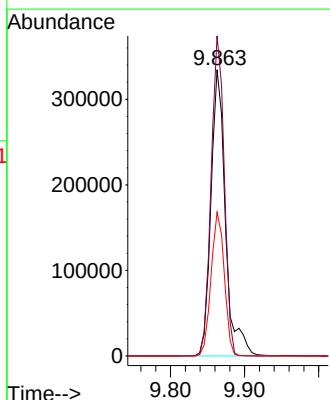
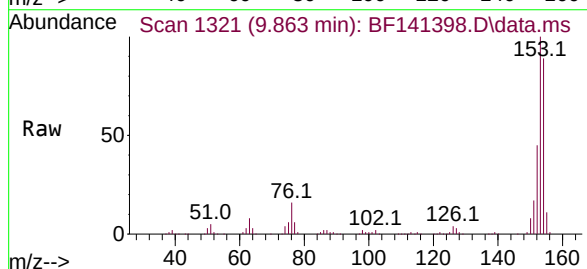
Tgt Ion:154 Resp: 453408

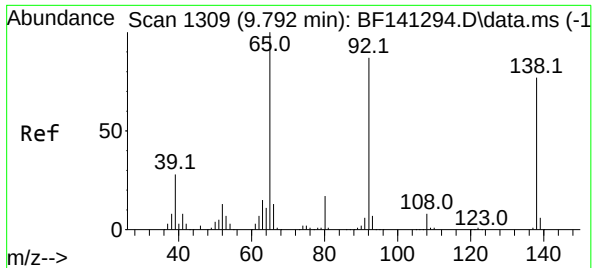
Ion Ratio Lower Upper

154 100

153 111.8 89.0 133.4

152 50.2 40.2 60.4

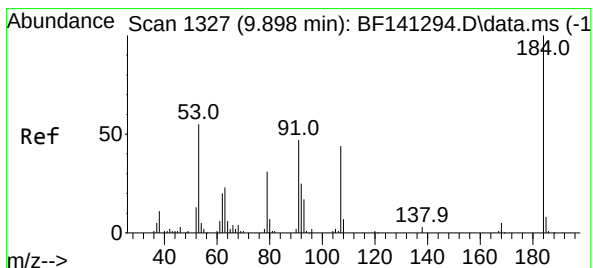
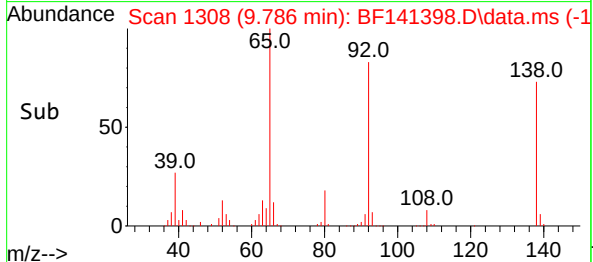
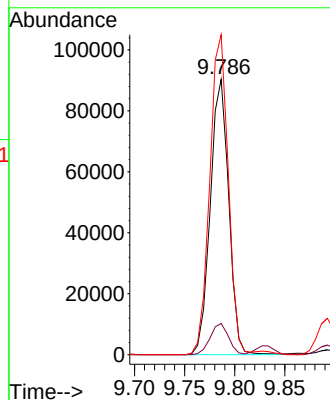
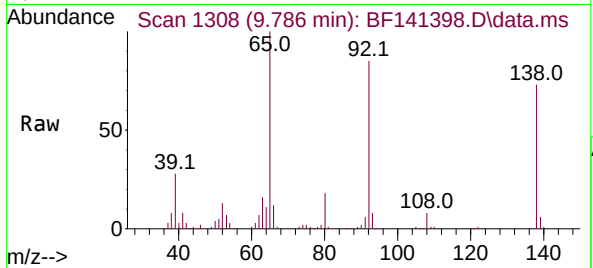




#53
3-Nitroaniline
Concen: 41.746 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

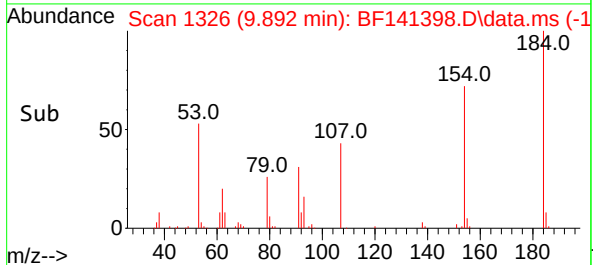
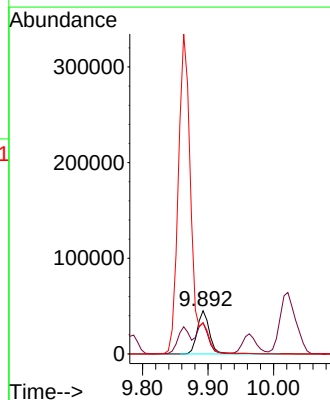
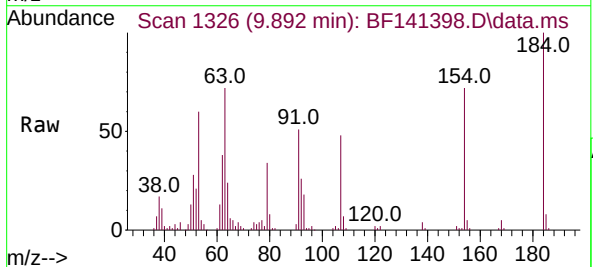
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

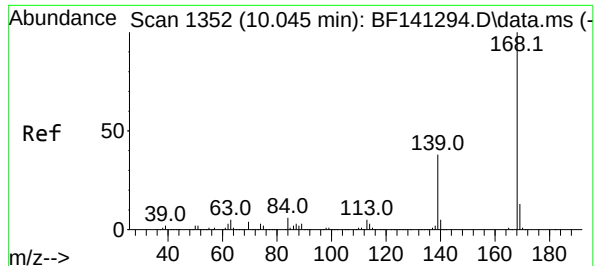
Tgt Ion:138 Resp: 115797
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 116.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:184 Resp: 59519
Ion Ratio Lower Upper
184 100
63 72.2 54.1 81.1
154 71.9 50.7 76.1





#55

Dibenzenofuran

Concen: 41.022 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

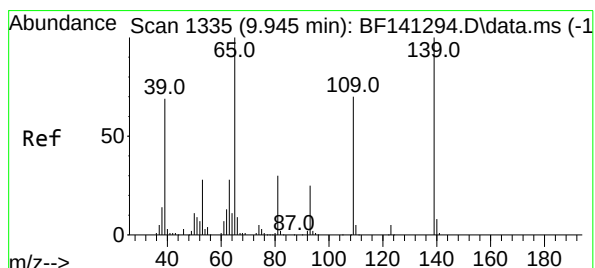
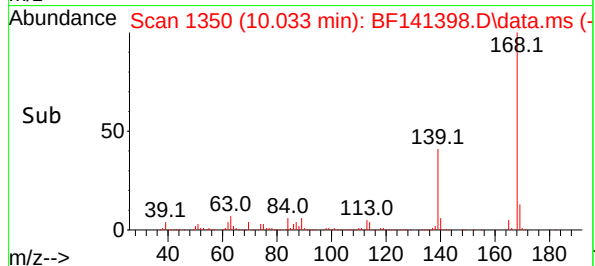
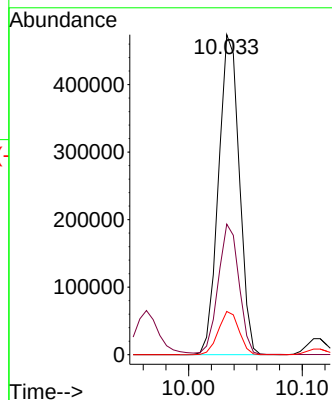
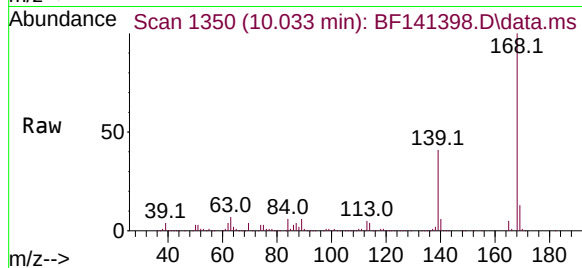
Tgt Ion:168 Resp: 602409

Ion Ratio Lower Upper

168 100

139 40.8 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 45.798 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

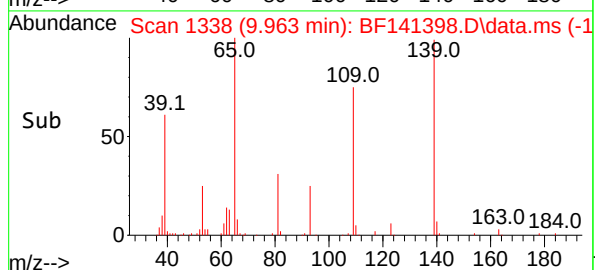
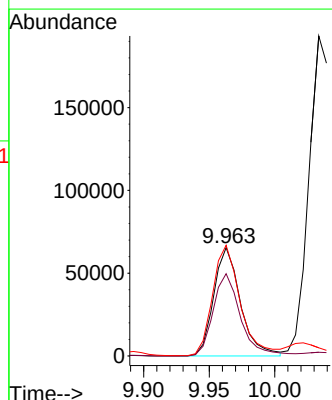
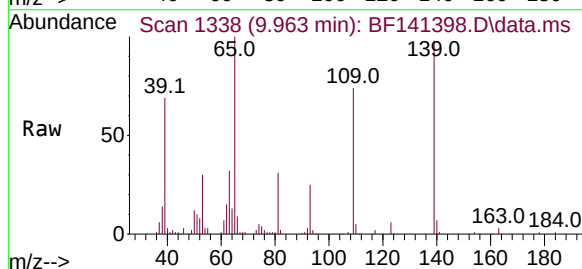
Tgt Ion:139 Resp: 92908

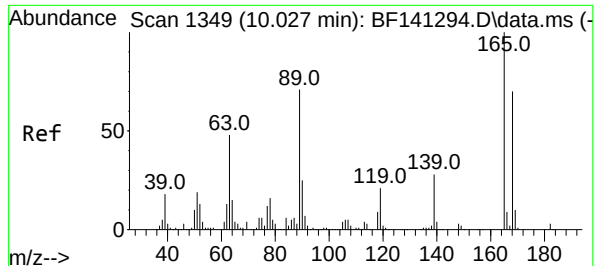
Ion Ratio Lower Upper

139 100

109 76.0 50.2 90.2

65 102.3 80.6 120.6

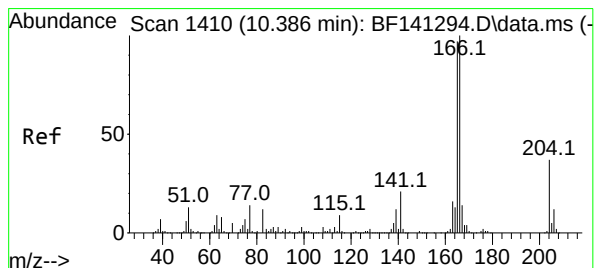
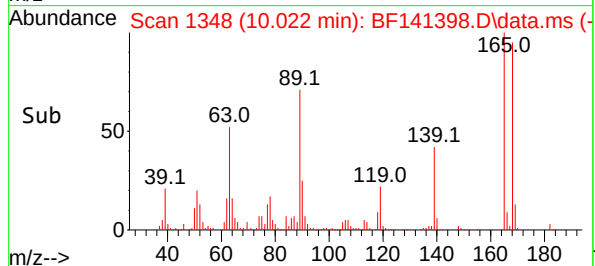
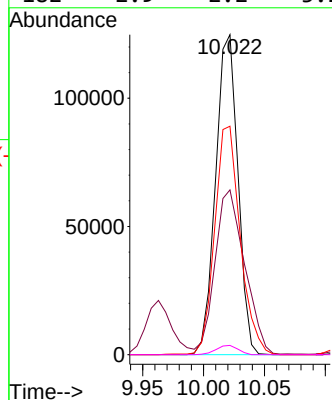
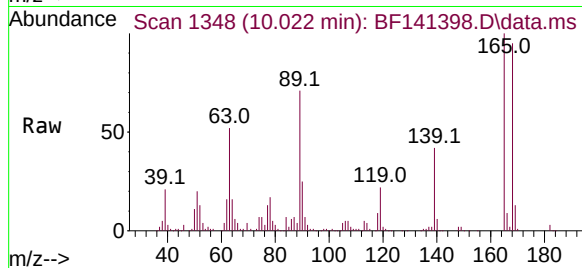




#57
2,4-Dinitrotoluene
Concen: 43.471 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

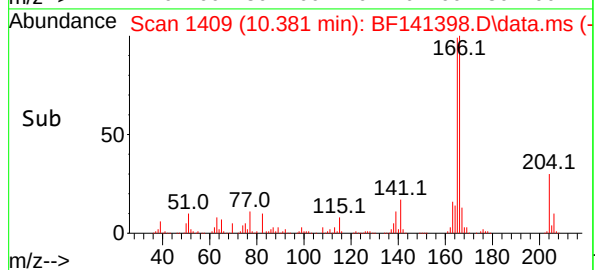
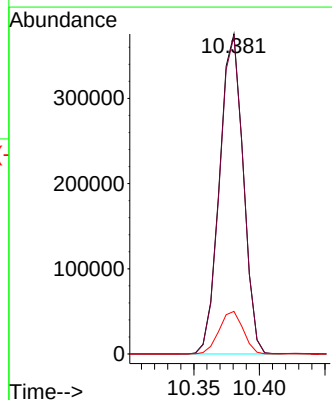
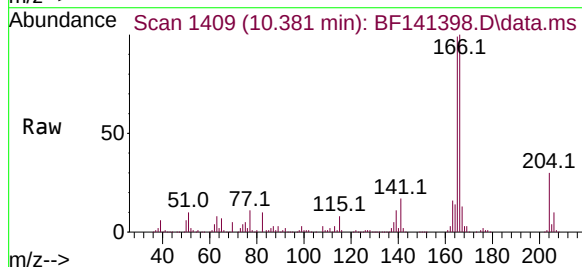
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

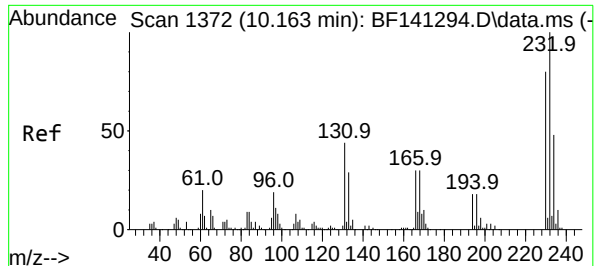
Tgt Ion:165 Resp: 159291
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 71.4 56.9 85.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 41.395 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:166 Resp: 471526
Ion Ratio Lower Upper
166 100
165 99.3 77.5 116.3
167 13.3 10.9 16.3

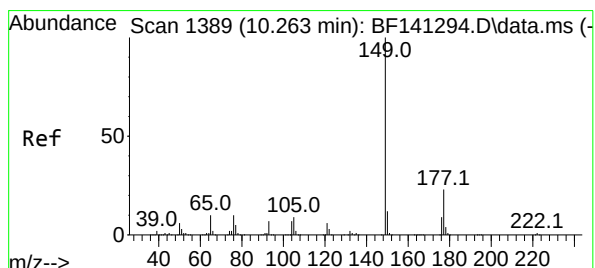
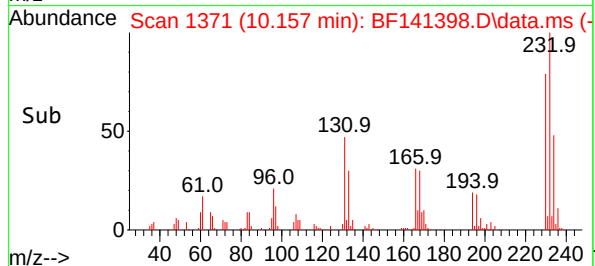
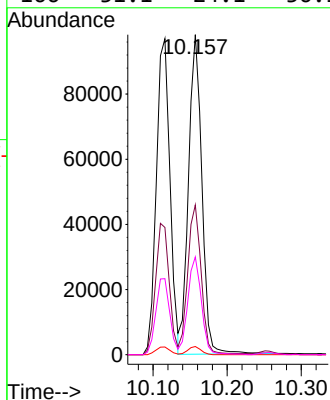
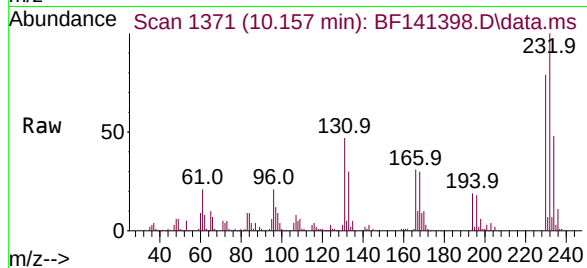




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.803 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

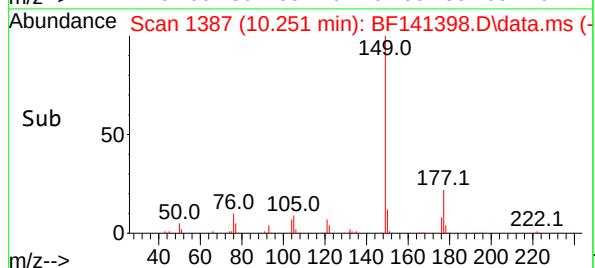
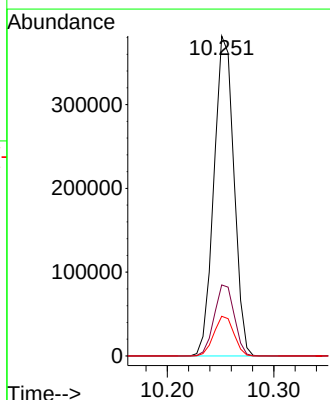
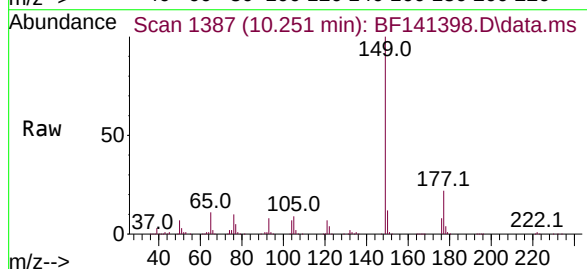
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

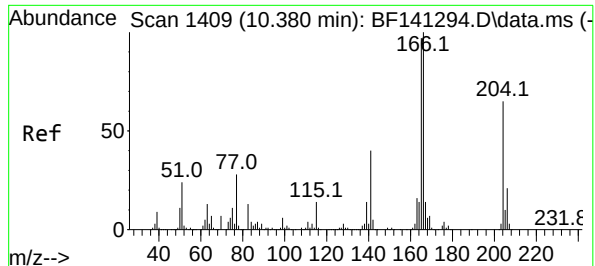
Tgt Ion:232 Resp: 123166
Ion Ratio Lower Upper
232 100
131 47.4 36.4 54.6
130 2.5 1.9 2.9
166 31.1 24.1 36.1



#60
Diethylphthalate
Concen: 41.956 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 495870
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.4 10.0 15.0

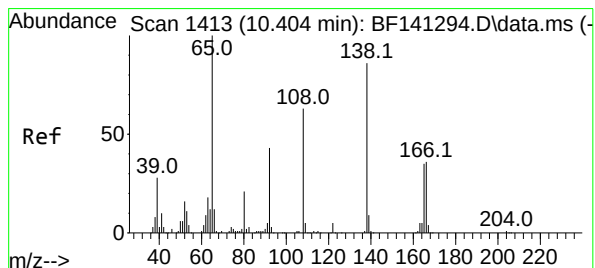
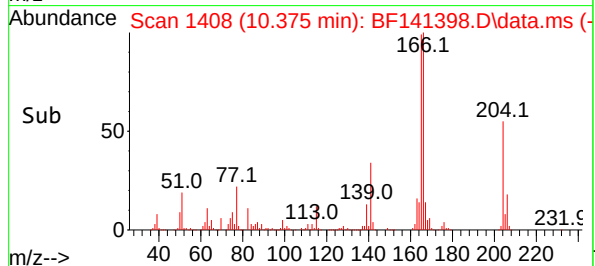
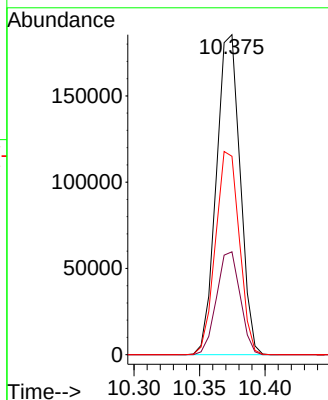
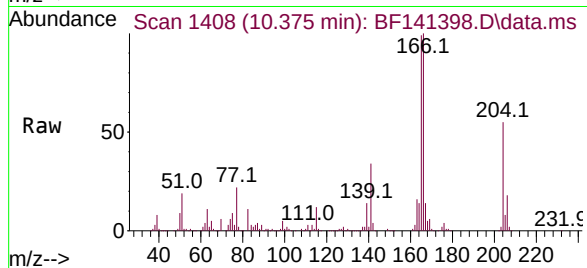




#61
4-Chlorophenyl-phenylether
Concen: 42.037 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

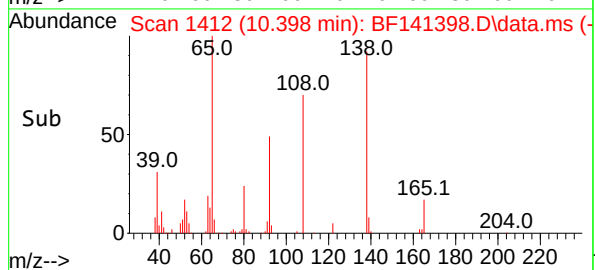
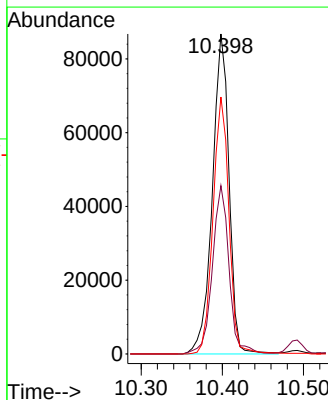
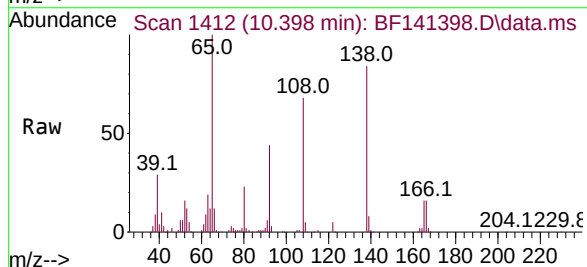
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

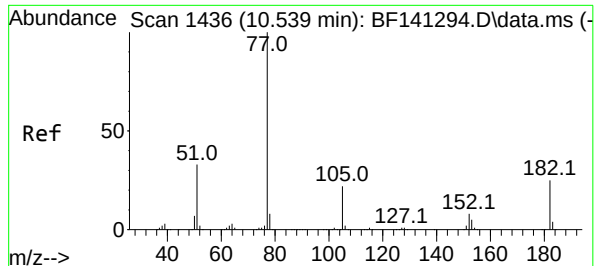
Tgt Ion:204 Resp: 233902
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 62.0 49.5 74.3



#62
4-Nitroaniline
Concen: 45.468 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:138 Resp: 123996
Ion Ratio Lower Upper
138 100
92 52.6 30.1 70.1
108 80.3 53.1 93.1

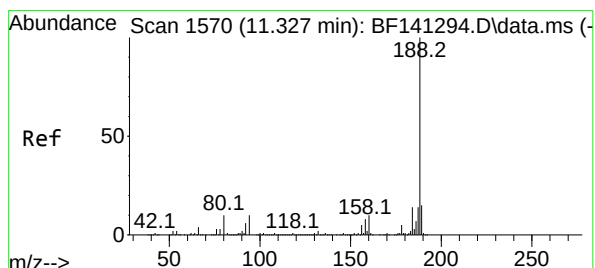
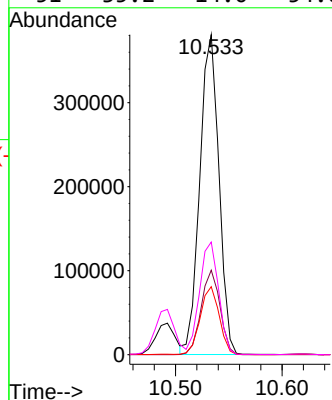
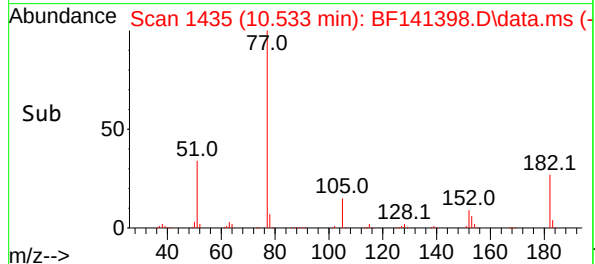
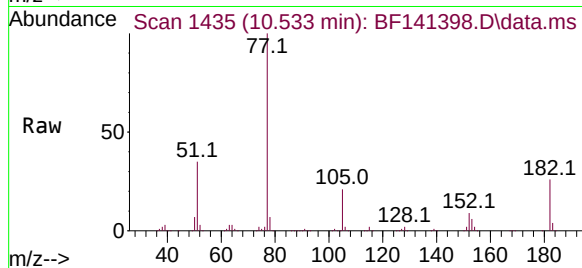




#63
Azobenzene
Concen: 40.234 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

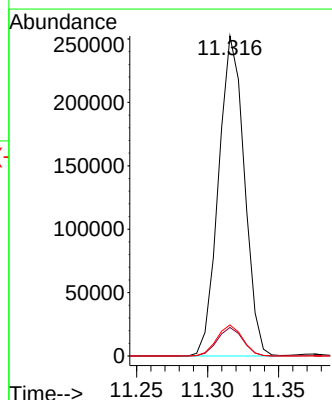
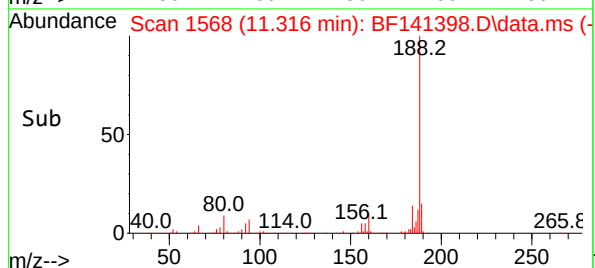
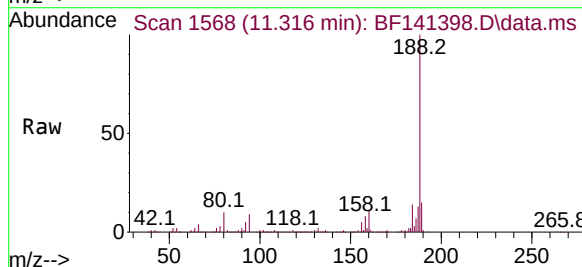
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

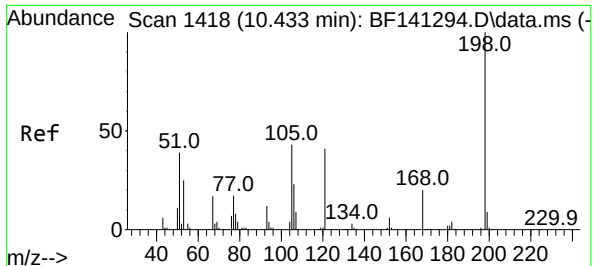
Tgt Ion: 77 Resp: 475982
Ion Ratio Lower Upper
77 100
182 26.4 5.1 45.1
105 21.3 1.8 41.8
51 35.2 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 188 Resp: 318826
Ion Ratio Lower Upper
188 100
94 8.9 7.8 11.6
80 9.7 8.2 12.4

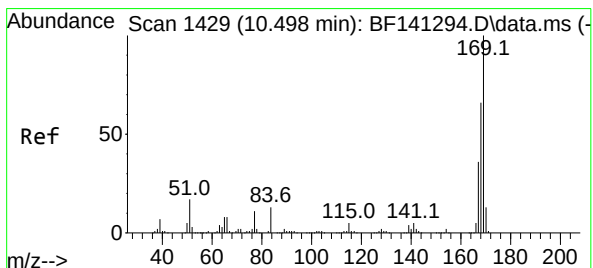
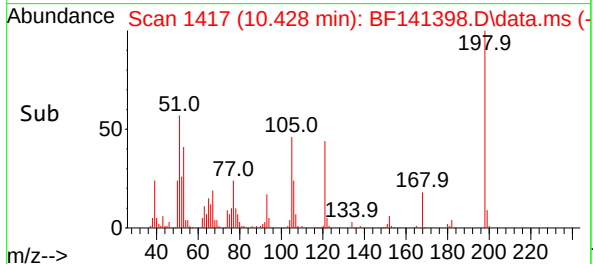
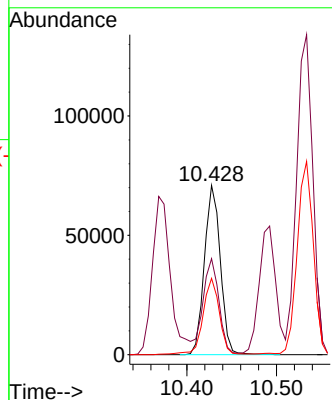
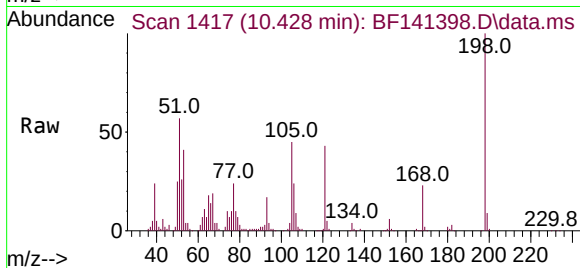




#65
4,6-Dinitro-2-methylphenol
Concen: 46.476 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

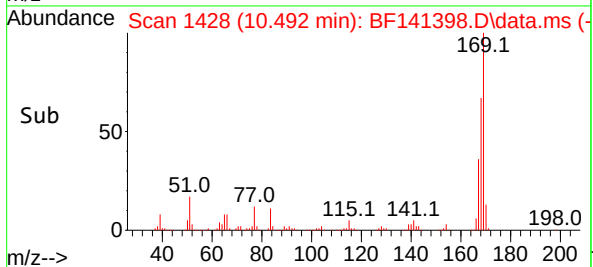
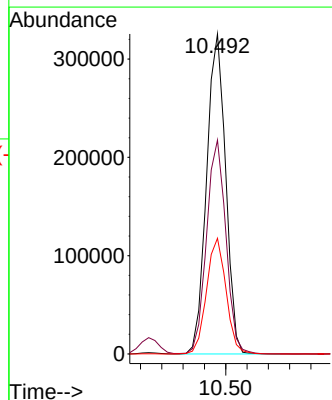
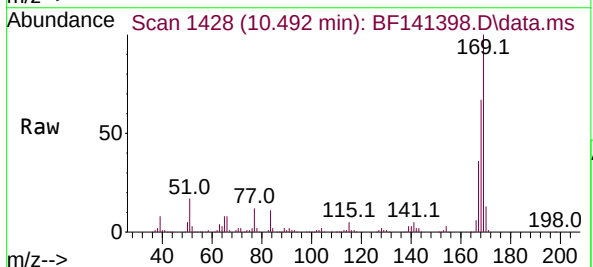
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

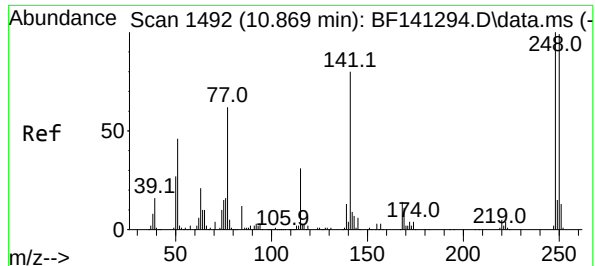
Tgt Ion:198 Resp: 87646
Ion Ratio Lower Upper
198 100
51 56.8 33.4 73.4
105 45.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:169 Resp: 404177
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.4
167 36.2 28.8 43.2

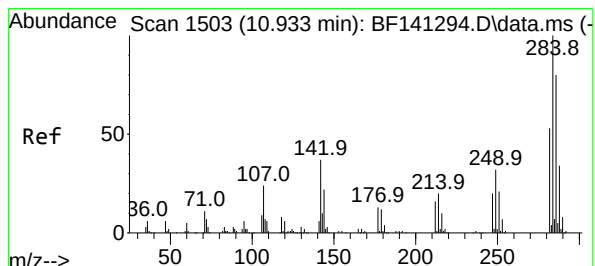
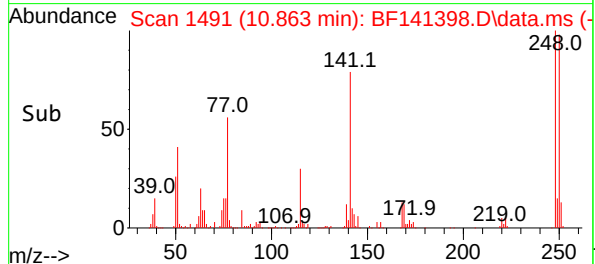
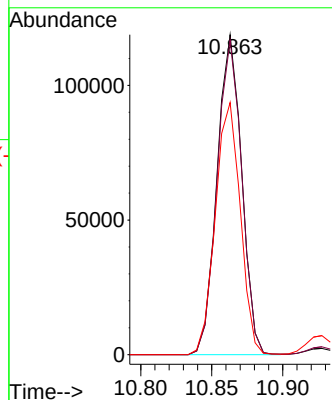
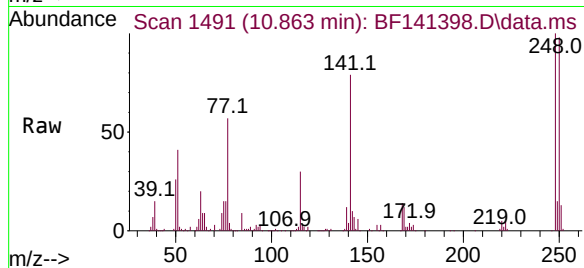




#67
4-Bromophenyl-phenylether
Concen: 40.154 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

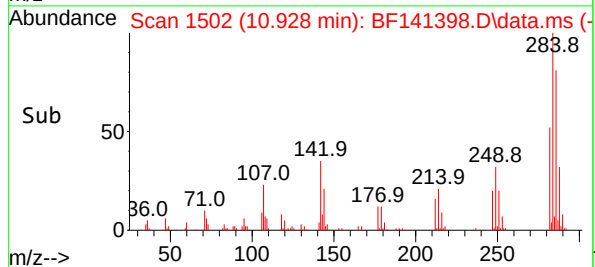
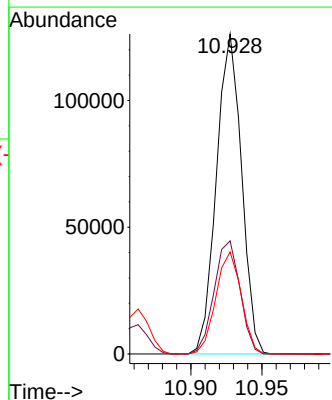
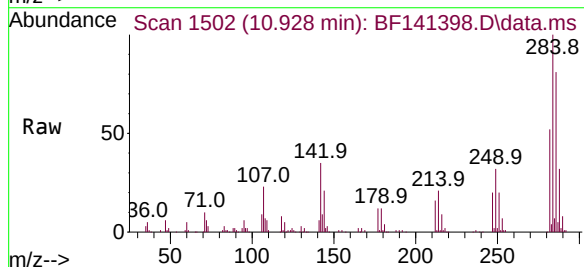
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

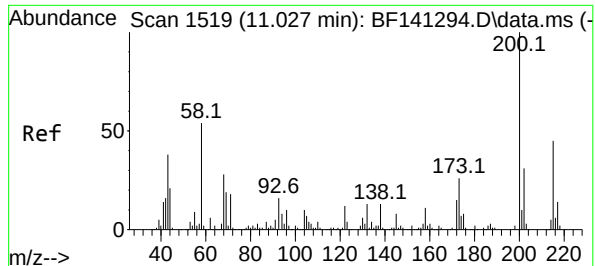
Tgt Ion:248 Resp: 143325
Ion Ratio Lower Upper
248 100
250 98.2 79.0 118.4
141 78.8 63.7 95.5



#68
Hexachlorobenzene
Concen: 40.974 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:284 Resp: 155137
Ion Ratio Lower Upper
284 100
142 35.3 29.5 44.3
249 31.9 25.4 38.2





#69

Atrazine

Concen: 39.568 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

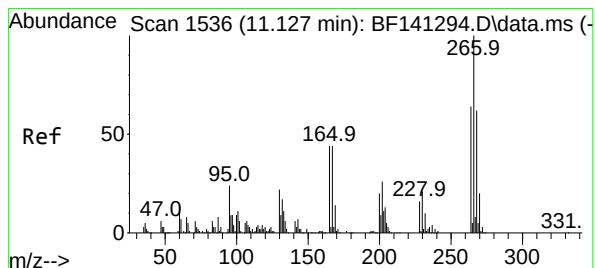
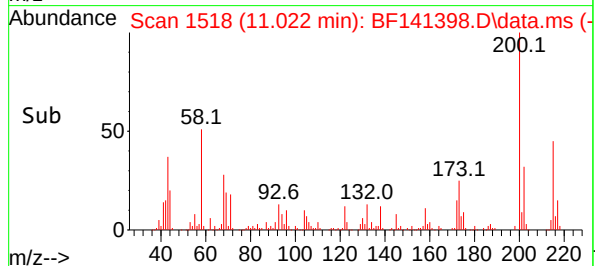
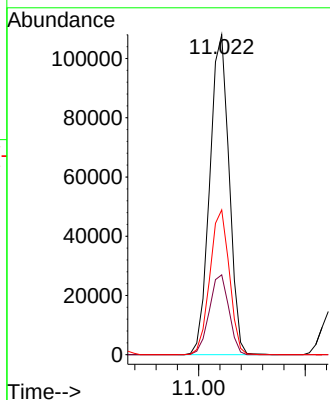
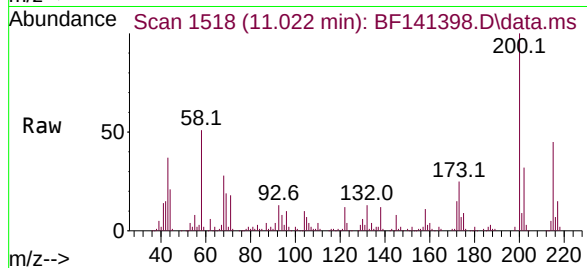
Tgt Ion:200 Resp: 136423

Ion Ratio Lower Upper

200 100

173 25.0 5.9 45.9

215 45.3 25.2 65.2



#70

Pentachlorophenol

Concen: 46.366 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

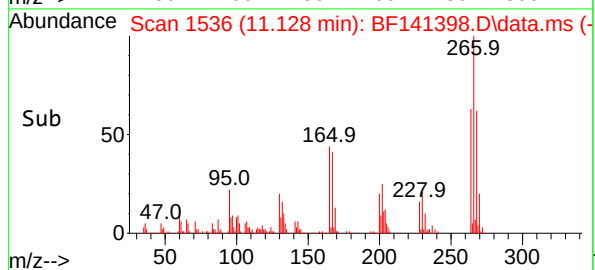
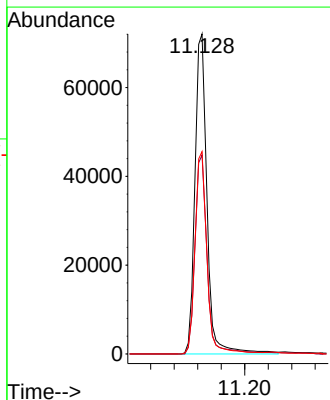
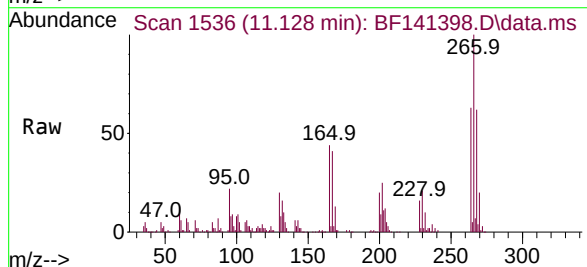
Tgt Ion:266 Resp: 102799

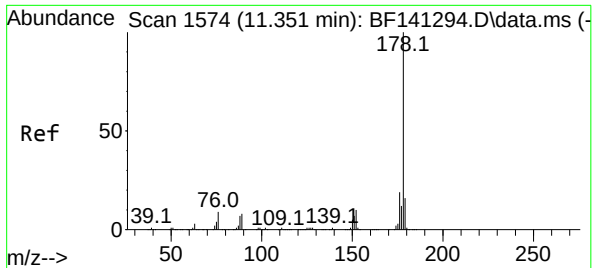
Ion Ratio Lower Upper

266 100

268 62.2 49.9 74.9

264 63.2 51.0 76.4





#71

Phenanthrene

Concen: 41.259 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

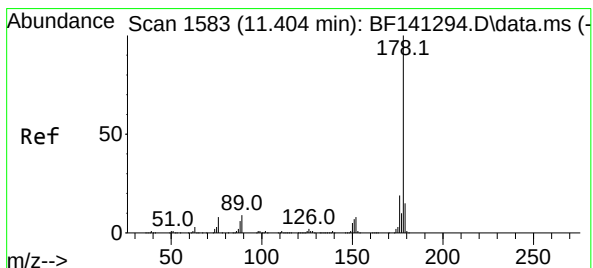
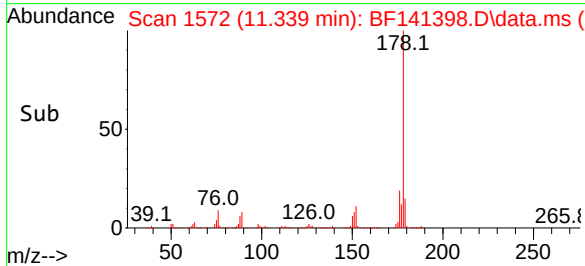
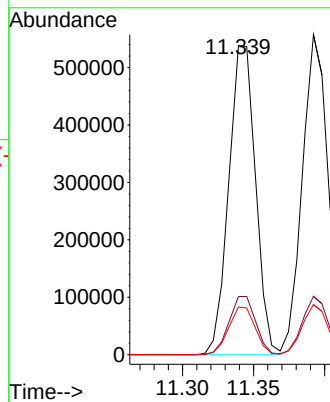
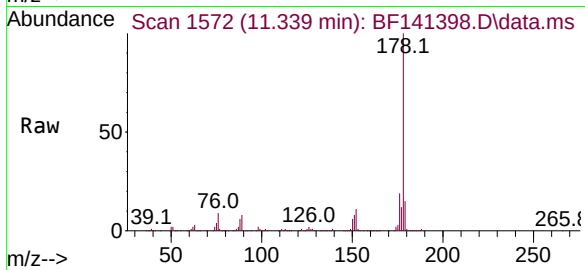
Tgt Ion:178 Resp: 707114

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 41.470 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

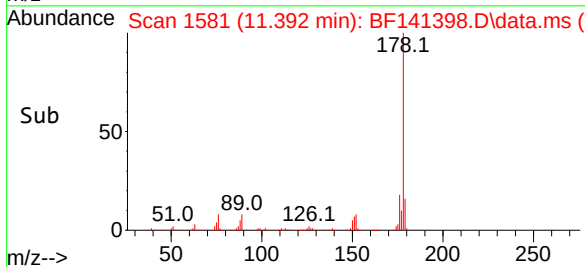
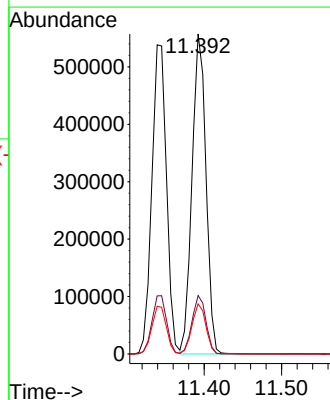
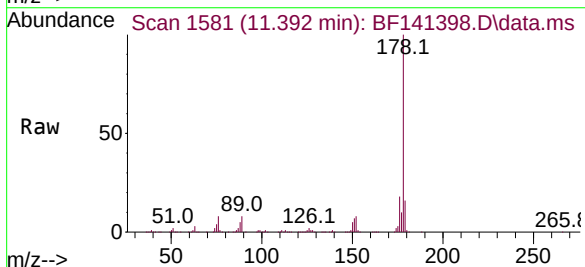
Tgt Ion:178 Resp: 696374

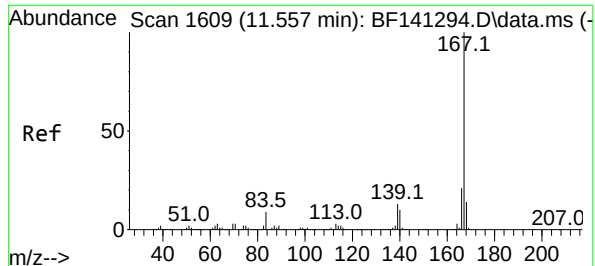
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 15.7 12.3 18.5





#73

Carbazole

Concen: 44.044 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

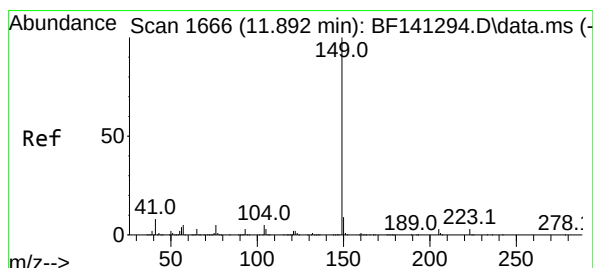
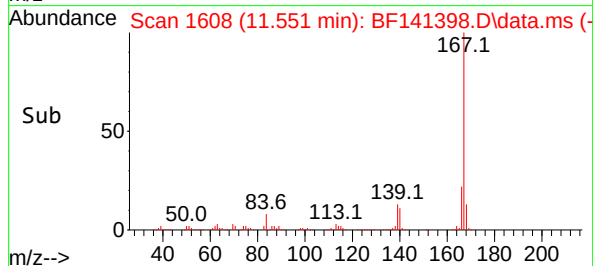
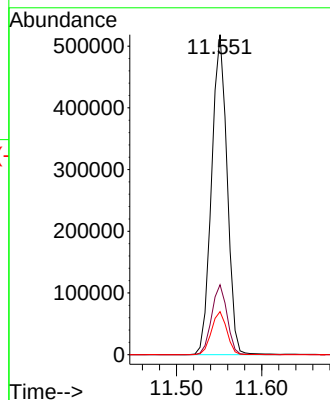
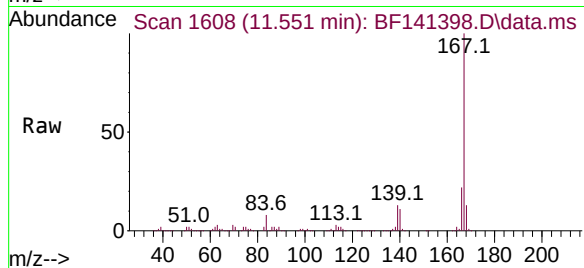
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:167 Resp: 655823

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.4	10.6	16.0



#74

Di-n-butylphthalate

Concen: 42.899 ng

RT: 11.880 min Scan# 1664

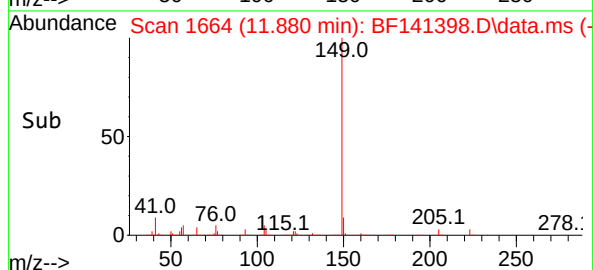
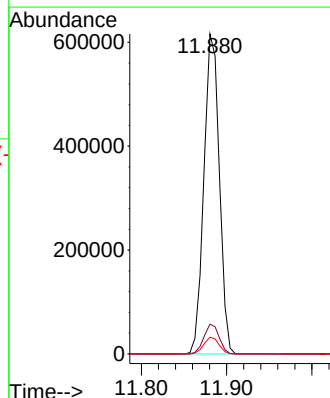
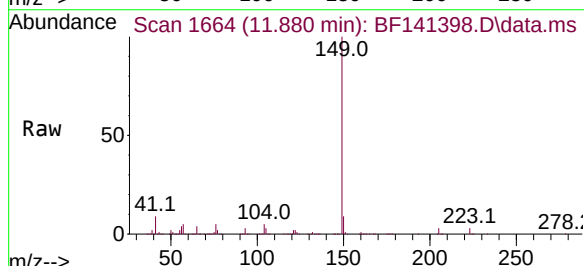
Delta R.T. -0.012 min

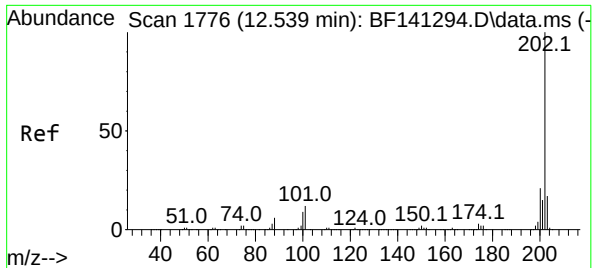
Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 774119

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	3.9	5.9

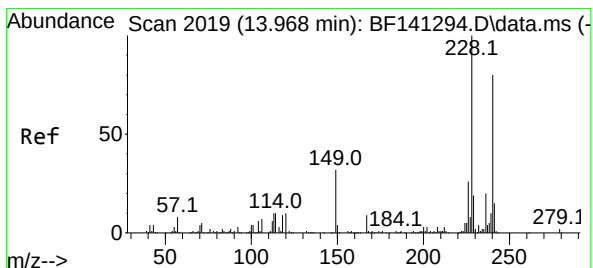
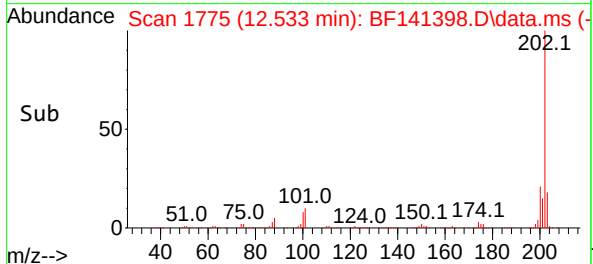
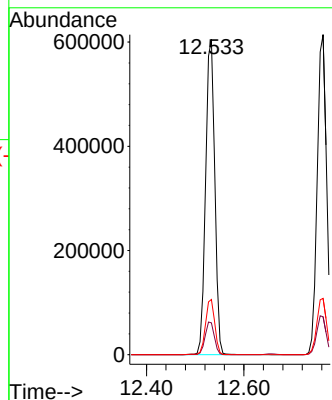
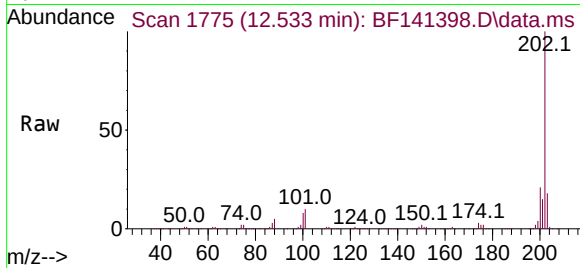




#75
Fluoranthene
Concen: 46.710 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

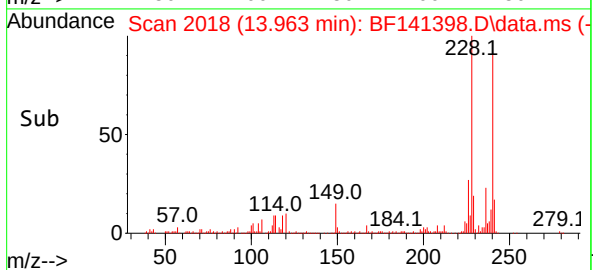
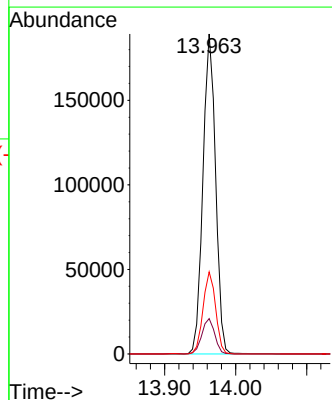
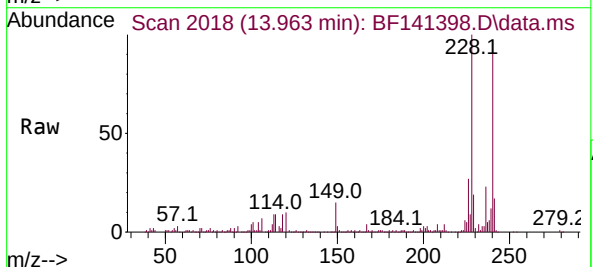
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

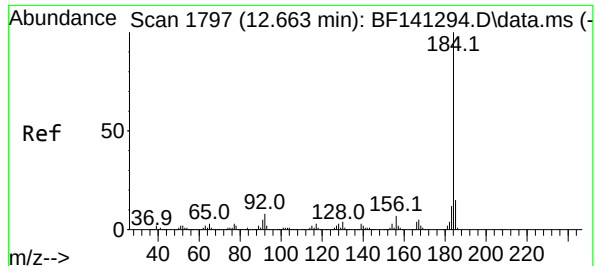
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.0	15.0
236	25.6	19.7	29.5





#77

Benzidine

Concen: 37.710 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

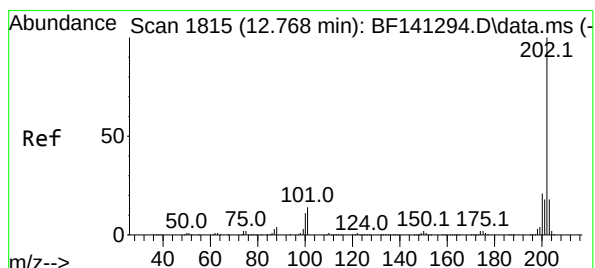
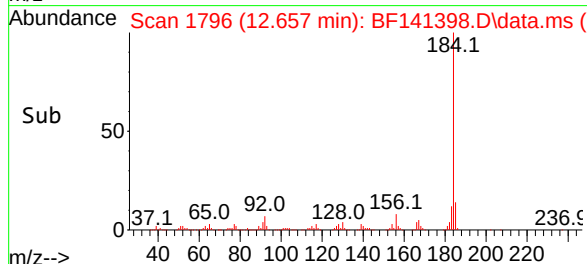
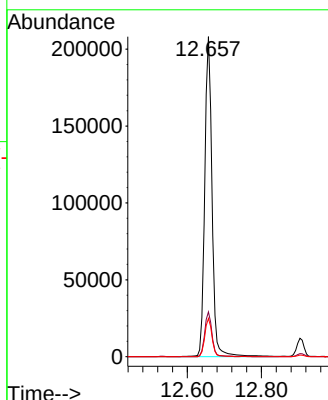
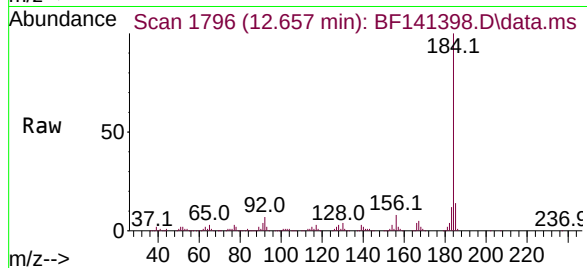
Tgt Ion:184 Resp: 284455

Ion Ratio Lower Upper

184 100

185 14.0 11.9 17.9

183 12.0 9.5 14.3



#78

Pyrene

Concen: 36.018 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

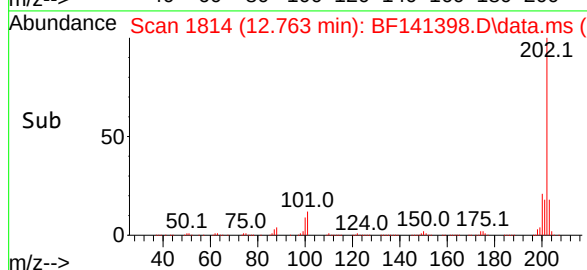
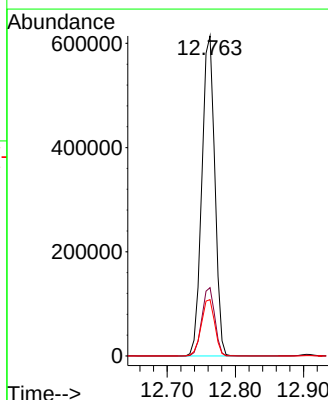
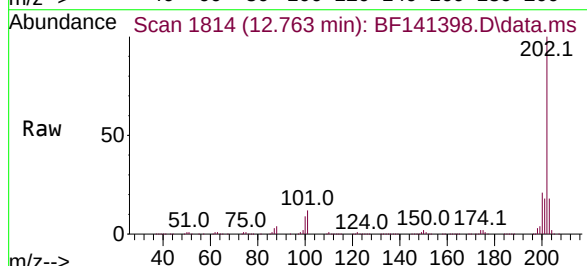
Tgt Ion:202 Resp: 813495

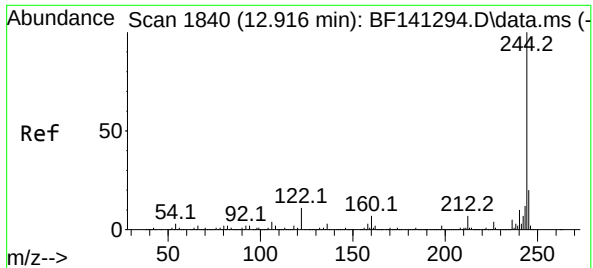
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 74.022 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

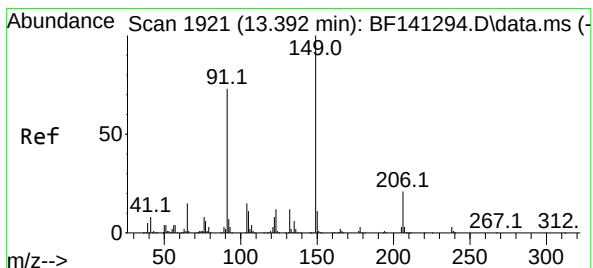
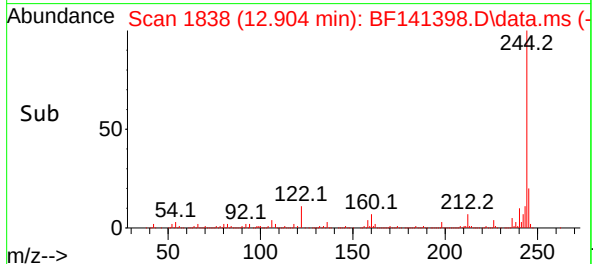
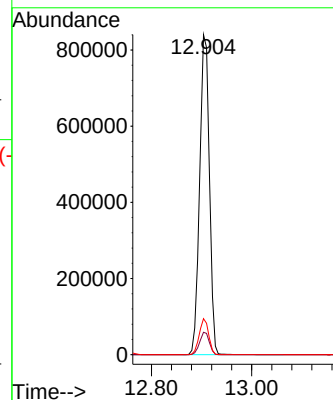
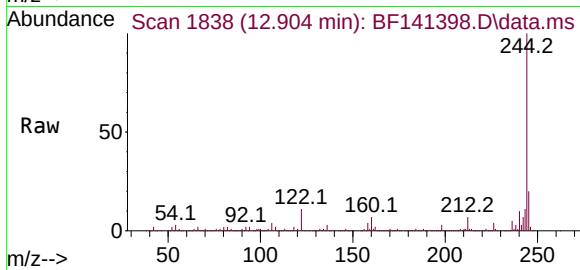
Tgt Ion:244 Resp: 1129373

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 11.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 41.239 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

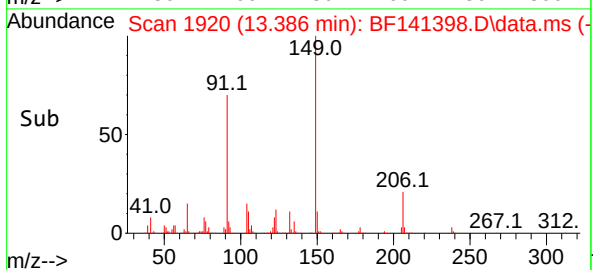
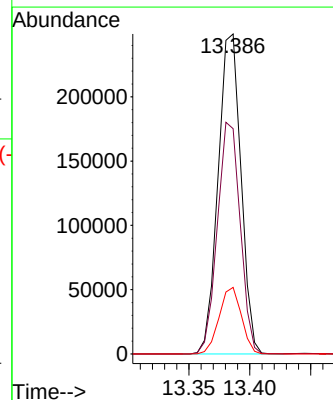
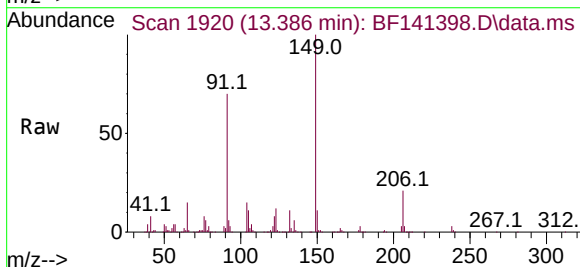
Tgt Ion:149 Resp: 325399

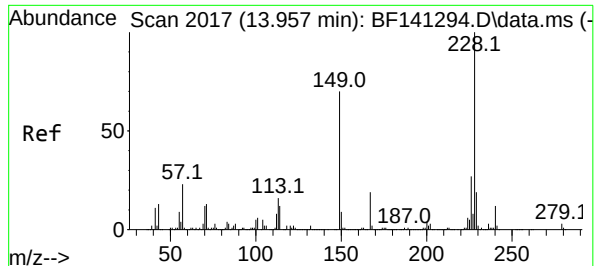
Ion Ratio Lower Upper

149 100

91 70.4 58.6 87.8

206 20.8 16.7 25.1

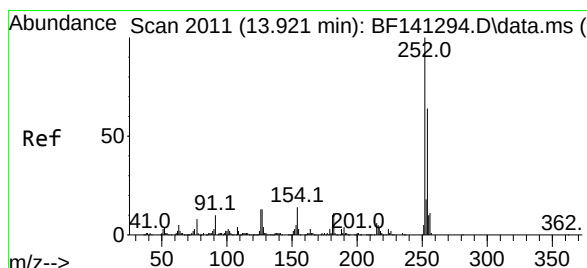
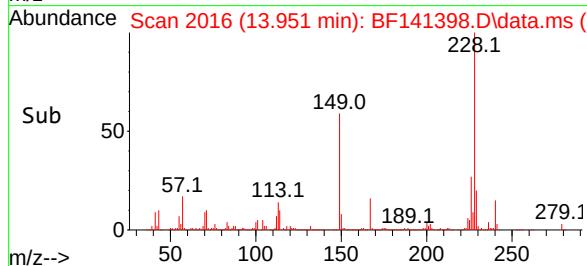
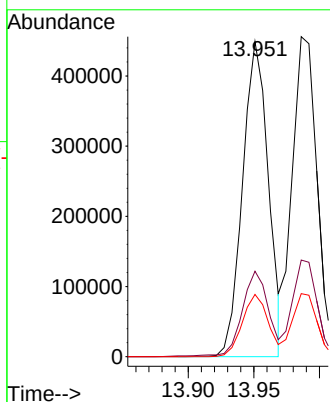
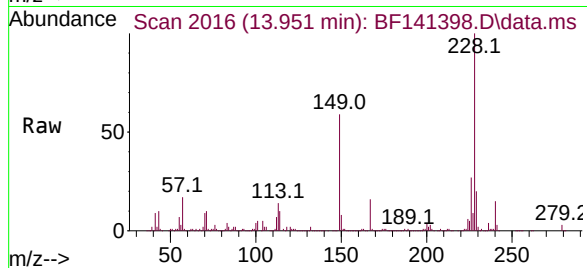




#81
Benzo(a)anthracene
Concen: 37.824 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

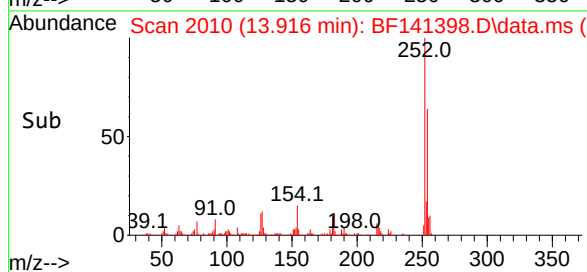
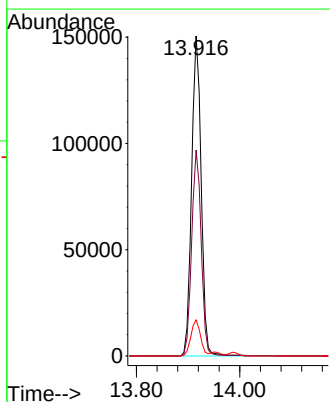
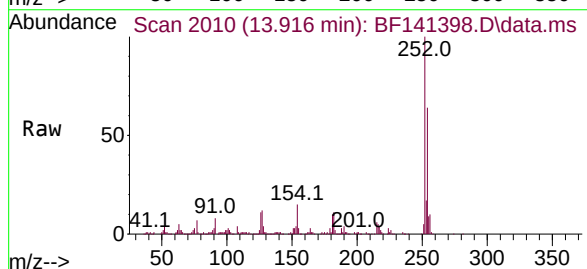
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

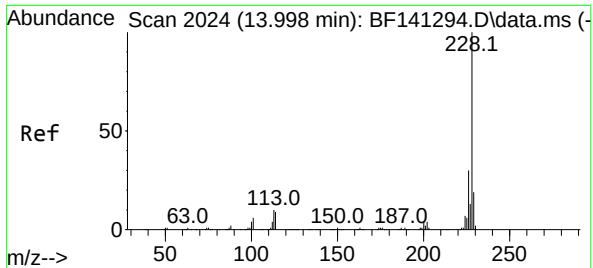
Tgt Ion:228 Resp: 614138
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 37.529 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 193800
Ion Ratio Lower Upper
252 100
254 64.3 51.3 76.9
126 11.3 10.0 15.0

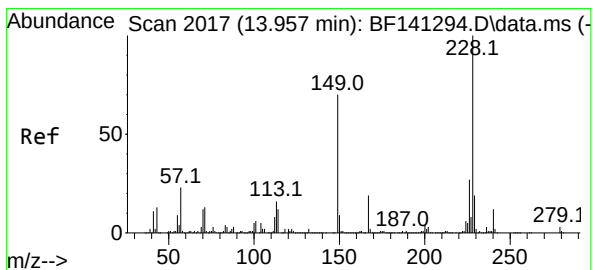
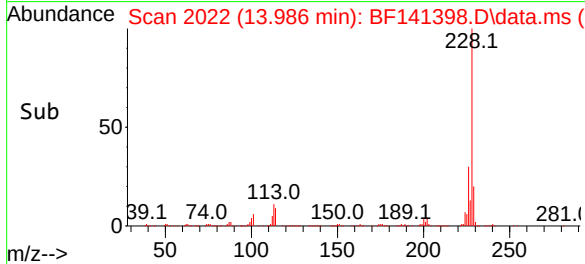
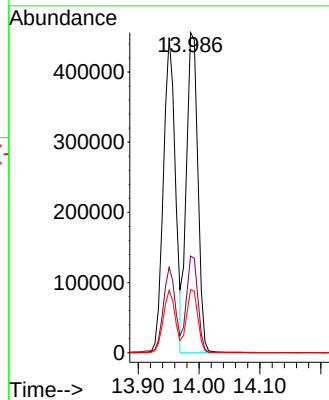
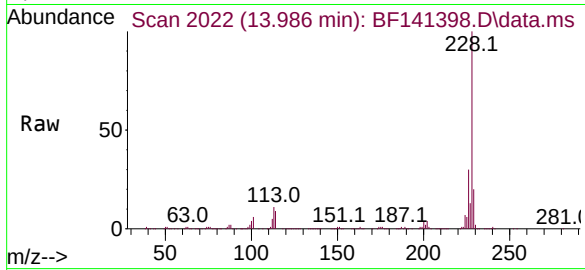




#83
Chrysene
Concen: 40.160 ng
RT: 13.986 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

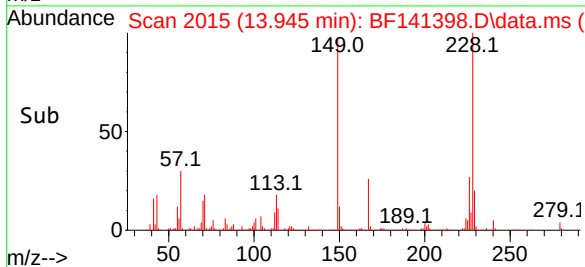
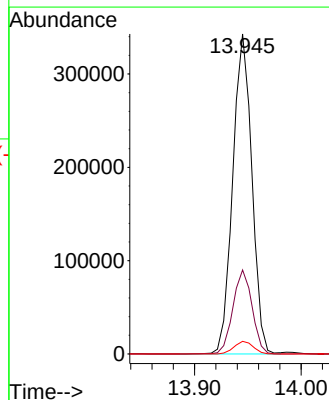
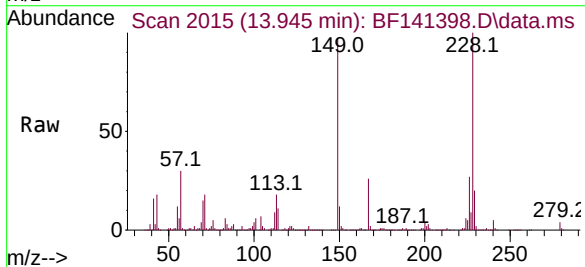
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

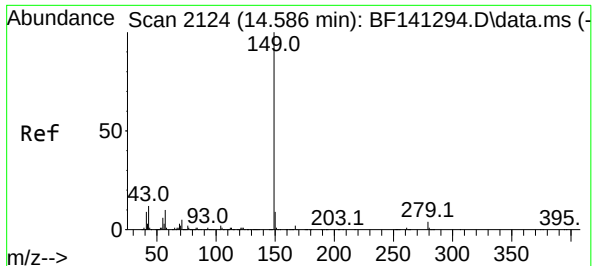
Tgt Ion:228 Resp: 597592
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 19.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.781 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 428215
Ion Ratio Lower Upper
149 100
167 26.3 21.8 32.8
279 3.9 3.3 4.9

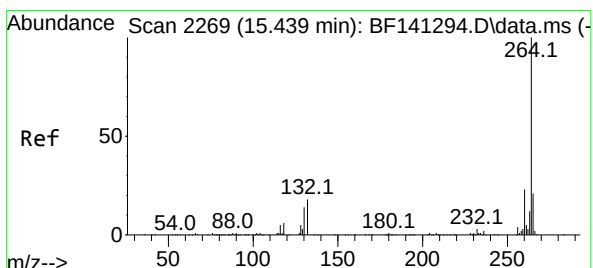
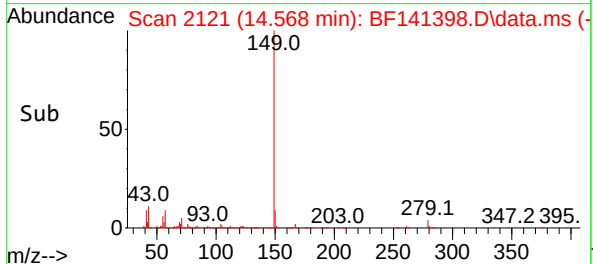
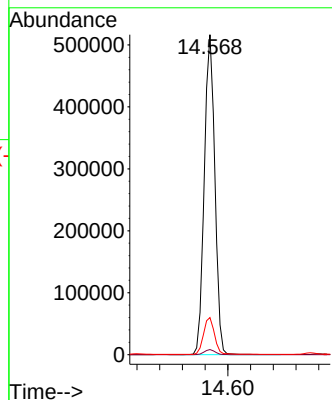
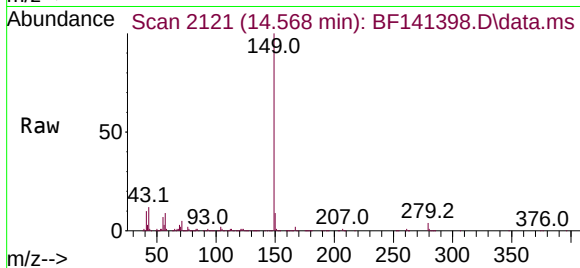




#85
Di-n-octyl phthalate
Concen: 42.840 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

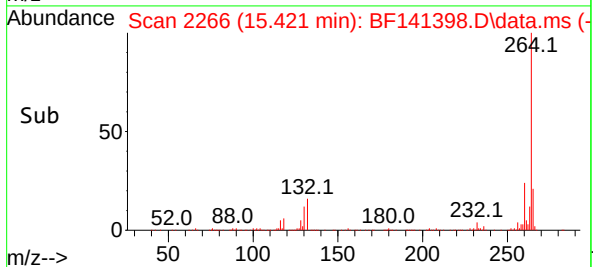
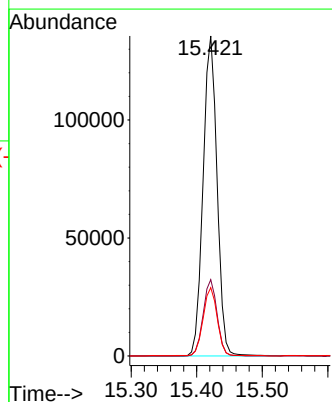
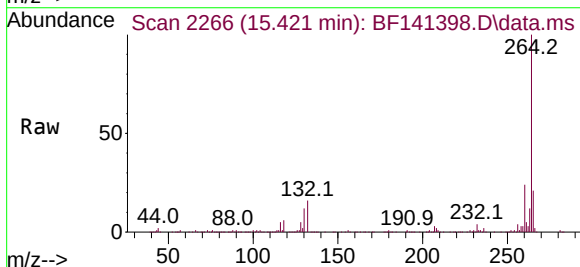
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

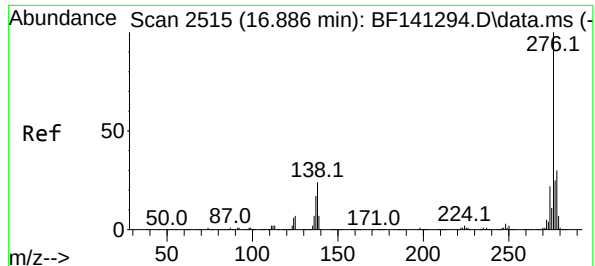
Tgt Ion:149 Resp: 666025
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:264 Resp: 201713
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.469 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

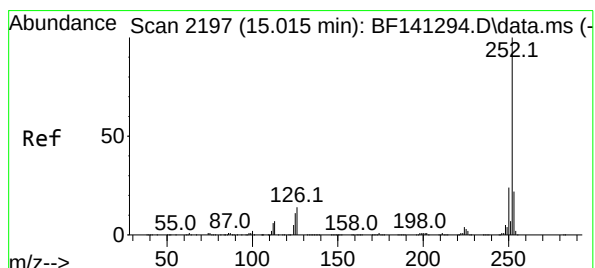
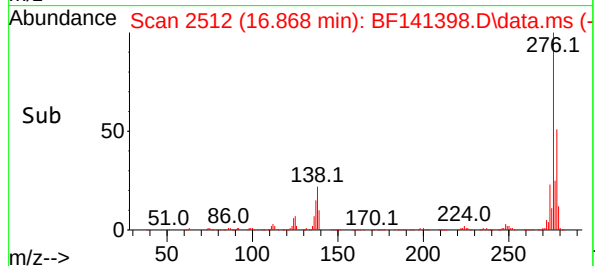
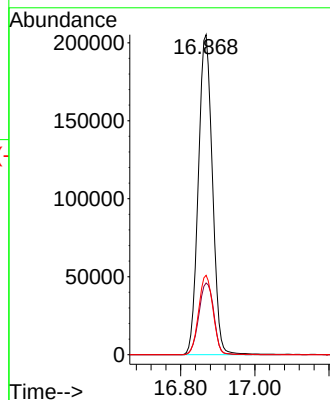
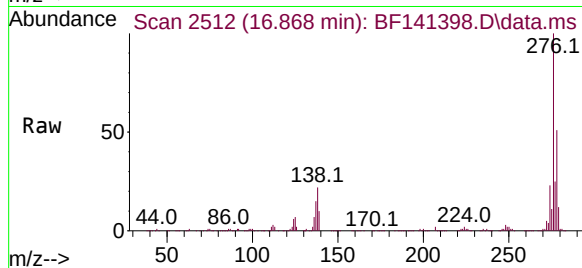
Tgt Ion:276 Resp: 539887

Ion Ratio Lower Upper

276 100

138 23.8 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.641 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

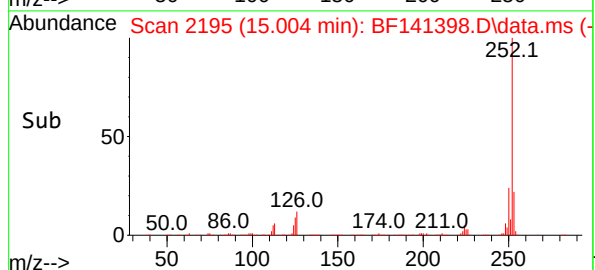
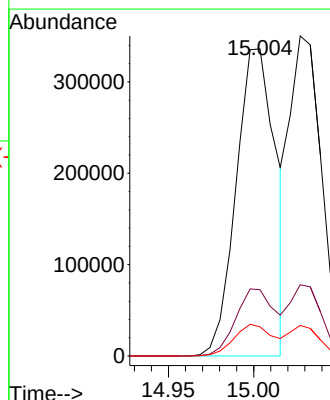
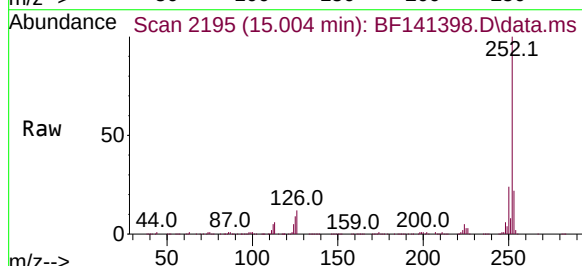
Tgt Ion:252 Resp: 541045

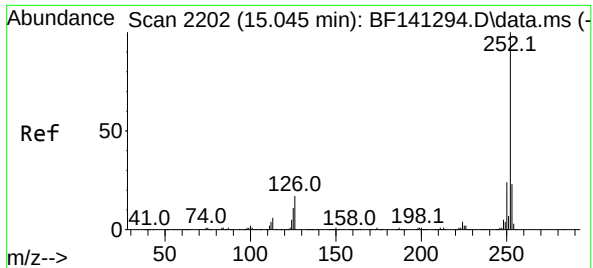
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 9.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 40.917 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

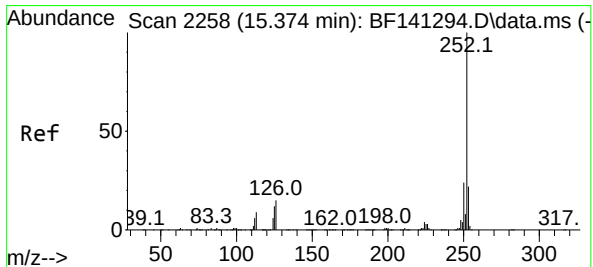
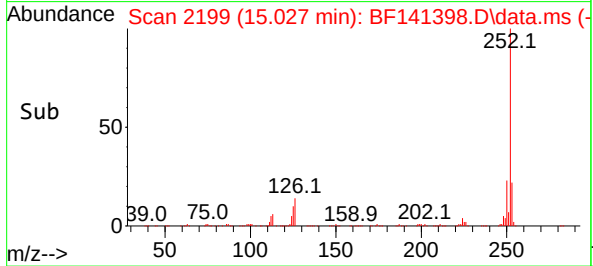
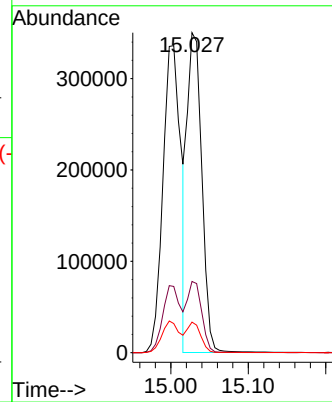
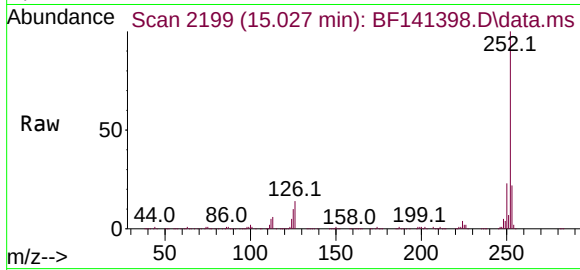
Tgt Ion:252 Resp: 459921

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 40.330 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

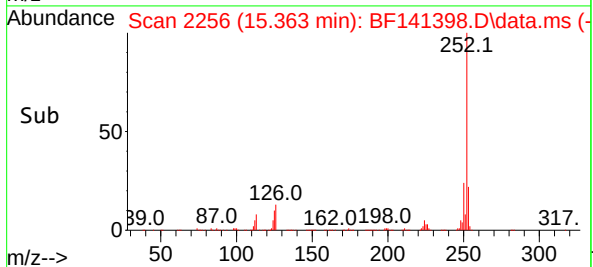
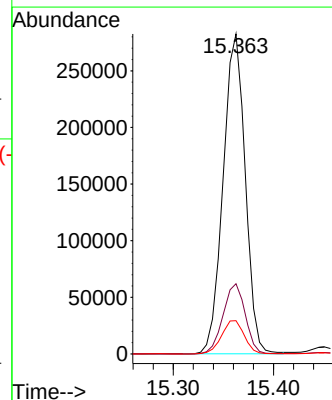
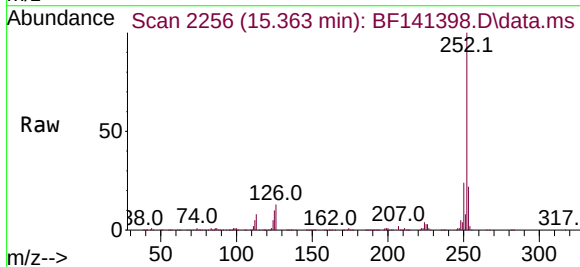
Tgt Ion:252 Resp: 432427

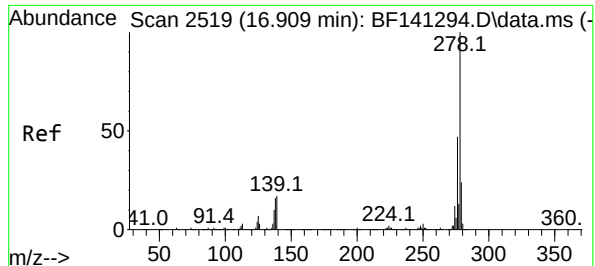
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.4 9.4 14.2

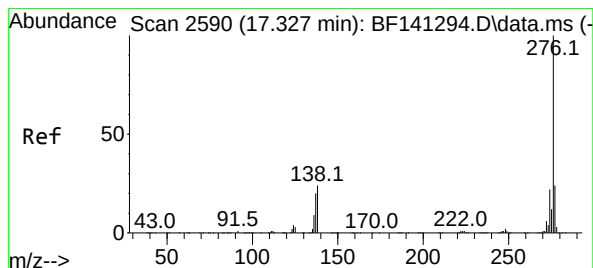
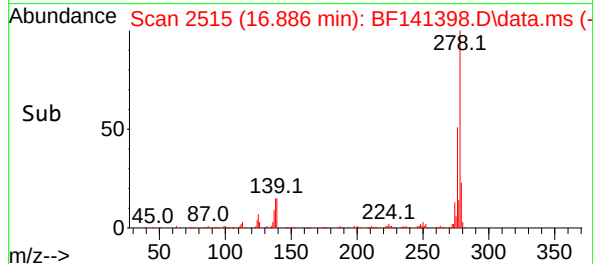
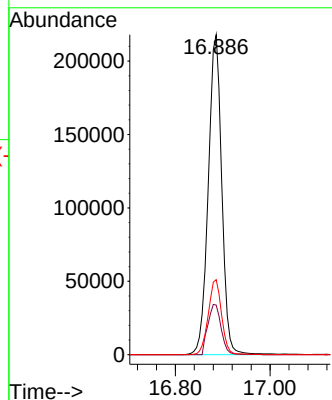
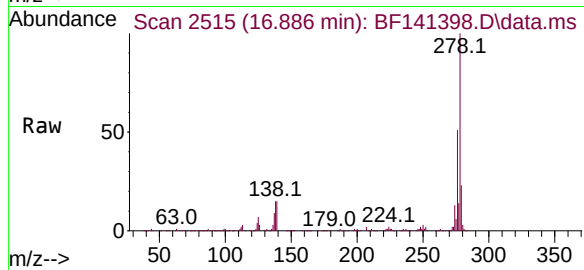




#91
Dibenzo(a,h)anthracene
Concen: 41.123 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

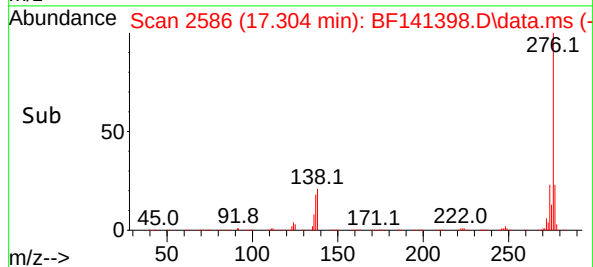
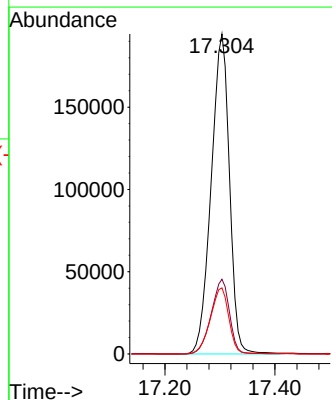
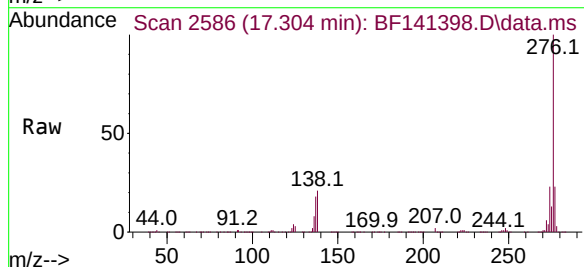
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 430740
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.4 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 41.212 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:276 Resp: 448843
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 20.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	64	-0.01
2	1,4-Dioxane	0.573	0.555	3.1	66	-0.05
3	Pyridine	1.380	1.270	8.0	62	-0.05
4	n-Nitrosodimethylamine	0.789	0.816	-3.4	70	-0.08
5 S	2-Fluorophenol	1.303	1.302	0.1	70	0.00
6	Aniline	1.403	1.258	10.3	59	-0.02
7 S	Phenol-d6	1.657	1.560	5.9	66	0.00
8	2-Chlorophenol	1.396	1.387	0.6	69	-0.01
9	Benzaldehyde	0.960	0.893	7.0	64	-0.01
10 C	Phenol	1.757	1.650	6.1	64	0.00
11	bis(2-Chloroethyl)ether	1.347	1.262	6.3	66	-0.02
12	1,3-Dichlorobenzene	1.540	1.501	2.5	67	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.539	0.5	69	-0.01
14	1,2-Dichlorobenzene	1.448	1.438	0.7	69	-0.01
15	Benzyl Alcohol	1.133	1.165	-2.8	69	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.108	10.0	62	-0.01
17	2-Methylphenol	1.135	1.074	5.4	66	0.00
18	Hexachloroethane	0.571	0.583	-2.1	71	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.929	5.7	67	-0.02
20	3+4-Methylphenols	1.393	1.375	1.3	69	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	62	-0.01
22	Acetophenone	0.475	0.491	-3.4	70	-0.02
23 S	Nitrobenzene-d5	0.379	0.391	-3.2	69	-0.01
24	Nitrobenzene	0.393	0.398	-1.3	67	-0.02
25	Isophorone	0.656	0.643	2.0	65	-0.02
26 C	2-Nitrophenol	0.185	0.185	0.0	65	-0.01
27	2,4-Dimethylphenol	0.236	0.230	2.5	64	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.403	3.6	64	-0.01
29 C	2,4-Dichlorophenol	0.289	0.296	-2.4	68	0.00
30	1,2,4-Trichlorobenzene	0.330	0.335	-1.5	69	-0.01
31	Naphthalene	1.057	1.061	-0.4	68	-0.01
32	Benzoic acid	0.217	0.229	-5.5	65	-0.04
33	4-Chloroaniline	0.358	0.347	3.1	64	0.00
34 C	Hexachlorobutadiene	0.194	0.208	-7.2	72	0.00
35	Caprolactam	0.094	0.093	1.1	65	-0.04
36 C	4-Chloro-3-methylphenol	0.310	0.325	-4.8	71	0.00
37	2-Methylnaphthalene	0.672	0.684	-1.8	68	-0.01
38	1-Methylnaphthalene	0.660	0.668	-1.2	69	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	64	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	70	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	69	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.202	-10.4	75	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.382	-2.7	67	0.00
44	2,4,5-Trichlorophenol	0.405	0.421	-4.0	71	0.00
45 S	2-Fluorobiphenyl	1.299	1.328	-2.2	72	-0.01
46	1,1'-Biphenyl	1.560	1.563	-0.2	69	-0.01
47	2-Chloronaphthalene	1.216	1.209	0.6	69	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.390	-2.1	68	0.00
49	Acenaphthylene	1.702	1.717	-0.9	69	-0.01
50	Dimethylphthalate	1.351	1.371	-1.5	71	-0.01
51	2,6-Dinitrotoluene	0.314	0.321	-2.2	69	-0.01
52 C	Acenaphthene	1.216	1.256	-3.3	71	-0.01
53	3-Nitroaniline	0.307	0.321	-4.6	68	-0.01
54 P	2,4-Dinitrophenol	0.146	0.165	-13.0	71	-0.01
55	Dibenzofuran	1.627	1.669	-2.6	70	-0.01
56 P	4-Nitrophenol	0.225	0.257	-14.2	73	0.00
57	2,4-Dinitrotoluene	0.406	0.441	-8.6	73	-0.01
58	Fluorene	1.262	1.306	-3.5	71	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.341	-6.9	72	0.00
60	Diethylphthalate	1.310	1.374	-4.9	72	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.648	-5.0	73	0.00
62	4-Nitroaniline	0.302	0.344	-13.9	76	-0.02
63	Azobenzene	1.311	1.319	-0.6	69	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	70	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.137	-16.1	76	-0.01
66 c	n-Nitrosodiphenylamine	0.647	0.634	2.0	70	-0.01
67	4-Bromophenyl-phenylether	0.224	0.225	-0.4	72	-0.01
68	Hexachlorobenzene	0.238	0.243	-2.1	74	-0.01
69	Atrazine	0.216	0.214	0.9	70	-0.01
70 C	Pentachlorophenol	0.139	0.161	-15.8	78	0.00
71	Phenanthrene	1.075	1.109	-3.2	75	-0.01
72	Anthracene	1.053	1.092	-3.7	75	-0.01
73	Carbazole	0.934	1.028	-10.1	80	0.00
74	Di-n-butylphthalate	1.132	1.214	-7.2	78	-0.01
75 C	Fluoranthene	1.062	1.240	-16.8	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzidine	0.641	0.604	5.8	75	0.00
78	Pyrene	1.920	1.729	9.9	89	0.00
79 S	Terphenyl-d14	1.297	1.200	7.5	92	-0.01
80	Butylbenzylphthalate	0.671	0.691	-3.0	100	0.00
81	Benzo(a)anthracene	1.380	1.305	5.4	93	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.412	6.2	89	-0.01
83	Chrysene	1.265	1.270	-0.4	101	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.910	-6.9	105	-0.01
85 c	Di-n-octyl phthalate	1.321	1.415	-7.1	104	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	72	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.338	-3.6	77	-0.03
88	Benzo(b)fluoranthene	1.258	1.341	-6.6	86	-0.02
89	Benzo(k)fluoranthene	1.114	1.140	-2.3	76	-0.02
90 C	Benzo(a)pyrene	1.063	1.072	-0.8	77	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.068	-2.8	76	-0.04
92	Benzo(g,h,i)perylene	1.080	1.113	-3.1	77	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	64	-0.01
2	1,4-Dioxane	40.000	38.714	3.2	66	-0.05
3	Pyridine	40.000	36.803	8.0	62	-0.05
4	n-Nitrosodimethylamine	40.000	41.383	-3.5	70	-0.08
5 S	2-Fluorophenol	80.000	79.945	0.1	70	0.00
6	Aniline	40.000	35.876	10.3	59	-0.02
7 S	Phenol-d6	80.000	75.322	5.8	66	0.00
8	2-Chlorophenol	40.000	39.734	0.7	69	-0.01
9	Benzaldehyde	40.000	37.226	6.9	64	-0.01
10 C	Phenol	40.000	37.574	6.1	64	0.00
11	bis(2-Chloroethyl)ether	40.000	37.487	6.3	66	-0.02
12	1,3-Dichlorobenzene	40.000	39.009	2.5	67	-0.01
13 C	1,4-Dichlorobenzene	40.000	39.806	0.5	69	-0.01
14	1,2-Dichlorobenzene	40.000	39.708	0.7	69	-0.01
15	Benzyl Alcohol	40.000	41.142	-2.9	69	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	36.004	10.0	62	-0.01
17	2-Methylphenol	40.000	37.854	5.4	66	0.00
18	Hexachloroethane	40.000	40.842	-2.1	71	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	37.733	5.7	67	-0.02
20	3+4-Methylphenols	40.000	39.483	1.3	69	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	62	-0.01
22	Acetophenone	40.000	41.351	-3.4	70	-0.02
23 S	Nitrobenzene-d5	80.000	82.468	-3.1	69	-0.01
24	Nitrobenzene	40.000	40.497	-1.2	67	-0.02
25	Isophorone	40.000	39.213	2.0	65	-0.02
26 C	2-Nitrophenol	40.000	39.973	0.1	65	-0.01
27	2,4-Dimethylphenol	40.000	38.904	2.7	64	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.495	3.8	64	-0.01
29 C	2,4-Dichlorophenol	40.000	41.025	-2.6	68	0.00
30	1,2,4-Trichlorobenzene	40.000	40.631	-1.6	69	-0.01
31	Naphthalene	40.000	40.155	-0.4	68	-0.01
32	Benzoic acid	40.000	42.292	-5.7	65	-0.04
33	4-Chloroaniline	40.000	38.783	3.0	64	0.00
34 C	Hexachlorobutadiene	40.000	42.897	-7.2	72	0.00
35	Caprolactam	40.000	39.634	0.9	65	-0.04
36 C	4-Chloro-3-methylphenol	40.000	42.000	-5.0	71	0.00
37	2-Methylnaphthalene	40.000	40.722	-1.8	68	-0.01
38	1-Methylnaphthalene	40.000	40.487	-1.2	69	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	64	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	41.257	-3.1	70	-0.01
41 P	Hexachlorocyclopentadiene	40.000	43.974	-9.9	69	-0.01
42 S	2,4,6-Tribromophenol	80.000	88.147	-10.2	75	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.007	-2.5	67	0.00
44	2,4,5-Trichlorophenol	40.000	41.577	-3.9	71	0.00
45 S	2-Fluorobiphenyl	80.000	81.771	-2.2	72	-0.01
46	1,1'-Biphenyl	40.000	40.089	-0.2	69	-0.01
47	2-Chloronaphthalene	40.000	39.785	0.5	69	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.764	-1.9	68	0.00
49	Acenaphthylene	40.000	40.360	-0.9	69	-0.01
50	Dimethylphthalate	40.000	40.604	-1.5	71	-0.01
51	2,6-Dinitrotoluene	40.000	40.929	-2.3	69	-0.01
52 C	Acenaphthene	40.000	41.328	-3.3	71	-0.01
53	3-Nitroaniline	40.000	41.746	-4.4	68	-0.01
54 P	2,4-Dinitrophenol	40.000	45.240	-13.1	71	-0.01
55	Dibenzofuran	40.000	41.022	-2.6	70	-0.01
56 P	4-Nitrophenol	40.000	45.798	-14.5	73	0.00
57	2,4-Dinitrotoluene	40.000	43.471	-8.7	73	-0.01
58	Fluorene	40.000	41.395	-3.5	71	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.803	-7.0	72	0.00
60	Diethylphthalate	40.000	41.956	-4.9	72	-0.02
61	4-Chlorophenyl-phenylether	40.000	42.037	-5.1	73	0.00
62	4-Nitroaniline	40.000	45.468	-13.7	76	-0.02
63	Azobenzene	40.000	40.234	-0.6	69	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	70	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	46.476	-16.2	76	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.195	2.0	70	-0.01
67	4-Bromophenyl-phenylether	40.000	40.154	-0.4	72	-0.01
68	Hexachlorobenzene	40.000	40.974	-2.4	74	-0.01
69	Atrazine	40.000	39.568	1.1	70	-0.01
70 C	Pentachlorophenol	40.000	46.366	-15.9	78	0.00
71	Phenanthrene	40.000	41.259	-3.1	75	-0.01
72	Anthracene	40.000	41.470	-3.7	75	-0.01
73	Carbazole	40.000	44.044	-10.1	80	0.00
74	Di-n-butylphthalate	40.000	42.899	-7.2	78	-0.01
75 C	Fluoranthene	40.000	46.710	-16.8	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzidine	40.000	37.710	5.7	75	0.00
78	Pyrene	40.000	36.018	10.0	89	0.00
79 S	Terphenyl-d14	80.000	74.022	7.5	92	-0.01
80	Butylbenzylphthalate	40.000	41.239	-3.1	100	0.00
81	Benzo(a)anthracene	40.000	37.824	5.4	93	-0.01
82	3,3'-Dichlorobenzidine	40.000	37.529	6.2	89	-0.01
83	Chrysene	40.000	40.160	-0.4	101	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	42.781	-7.0	105	-0.01
85 c	Di-n-octyl phthalate	40.000	42.840	-7.1	104	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	72	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.469	-3.7	77	-0.03
88	Benzo(b)fluoranthene	40.000	42.641	-6.6	86	-0.02
89	Benzo(k)fluoranthene	40.000	40.917	-2.3	76	-0.02
90 C	Benzo(a)pyrene	40.000	40.330	-0.8	77	-0.02
91	Dibenzo(a,h)anthracene	40.000	41.123	-2.8	76	-0.04
92	Benzo(g,h,i)perylene	40.000	41.212	-3.0	77	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



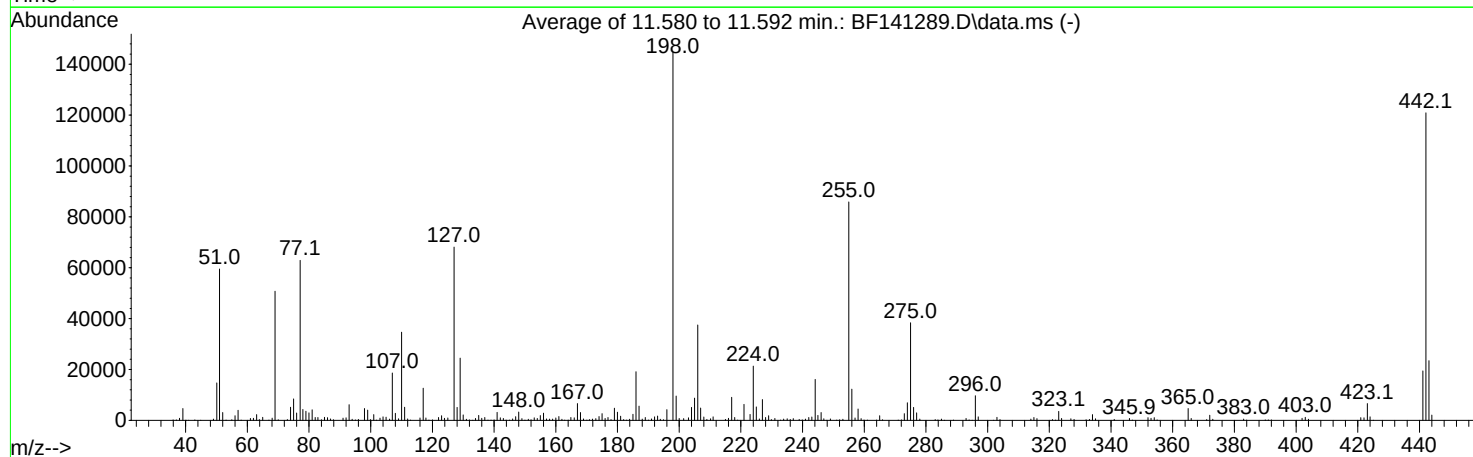
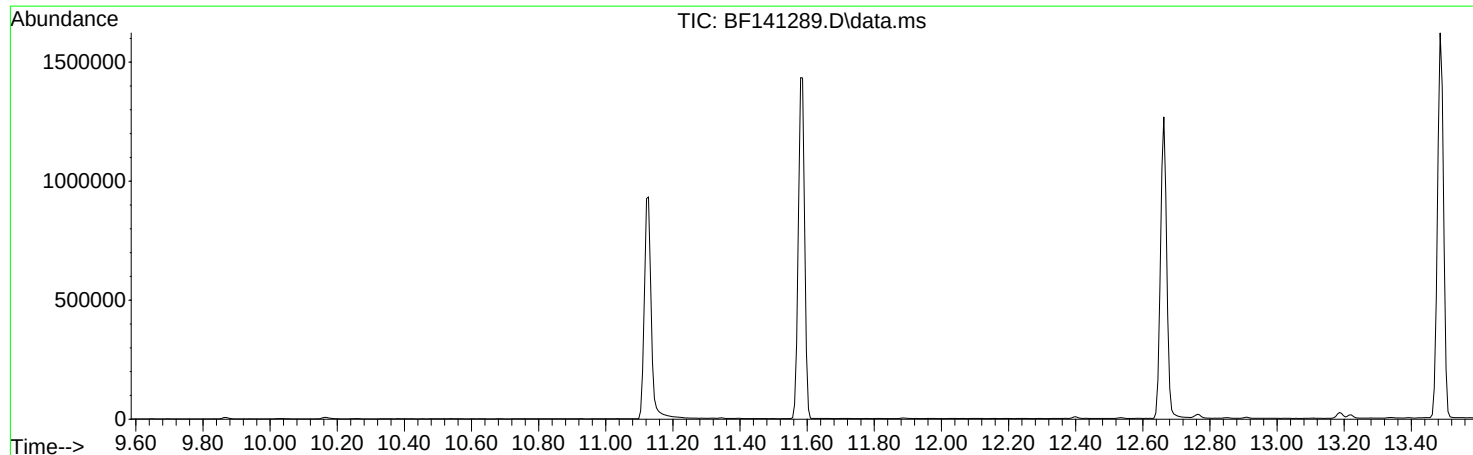
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



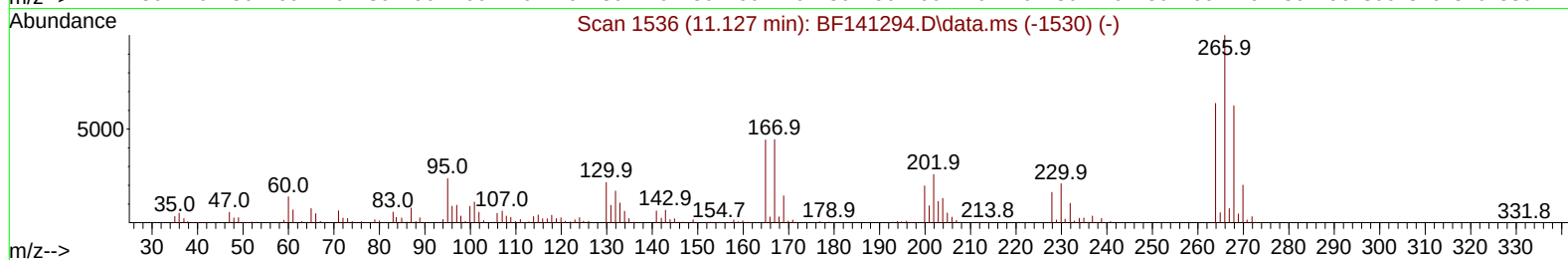
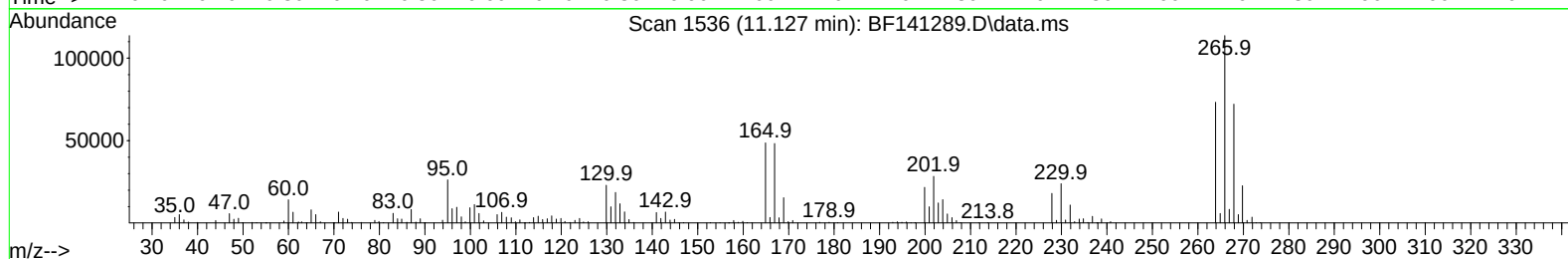
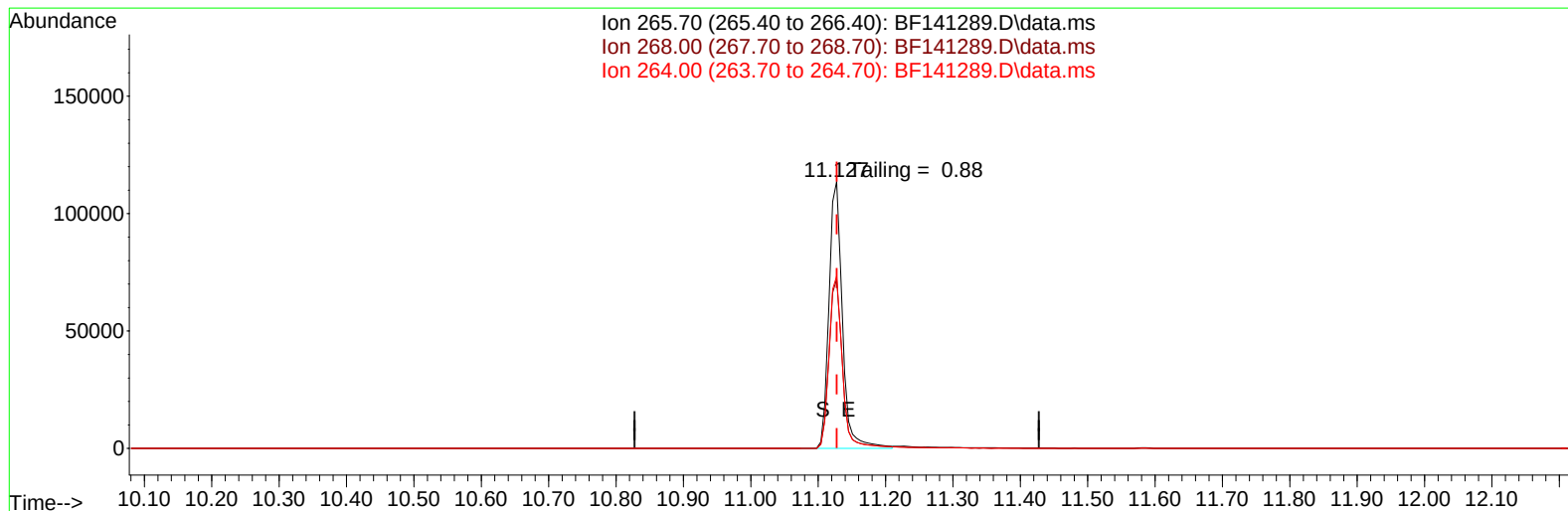
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

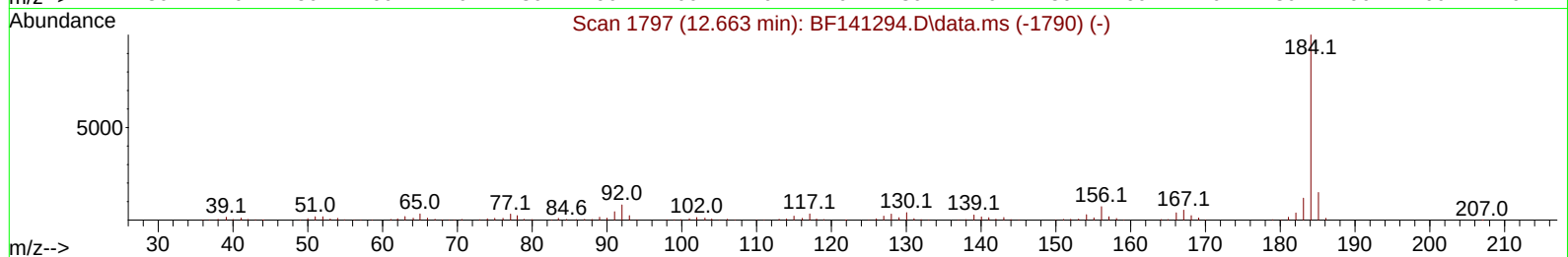
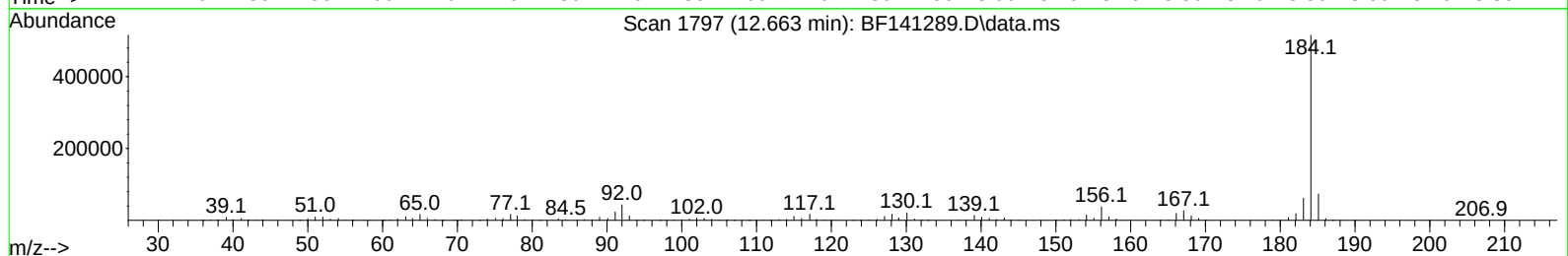
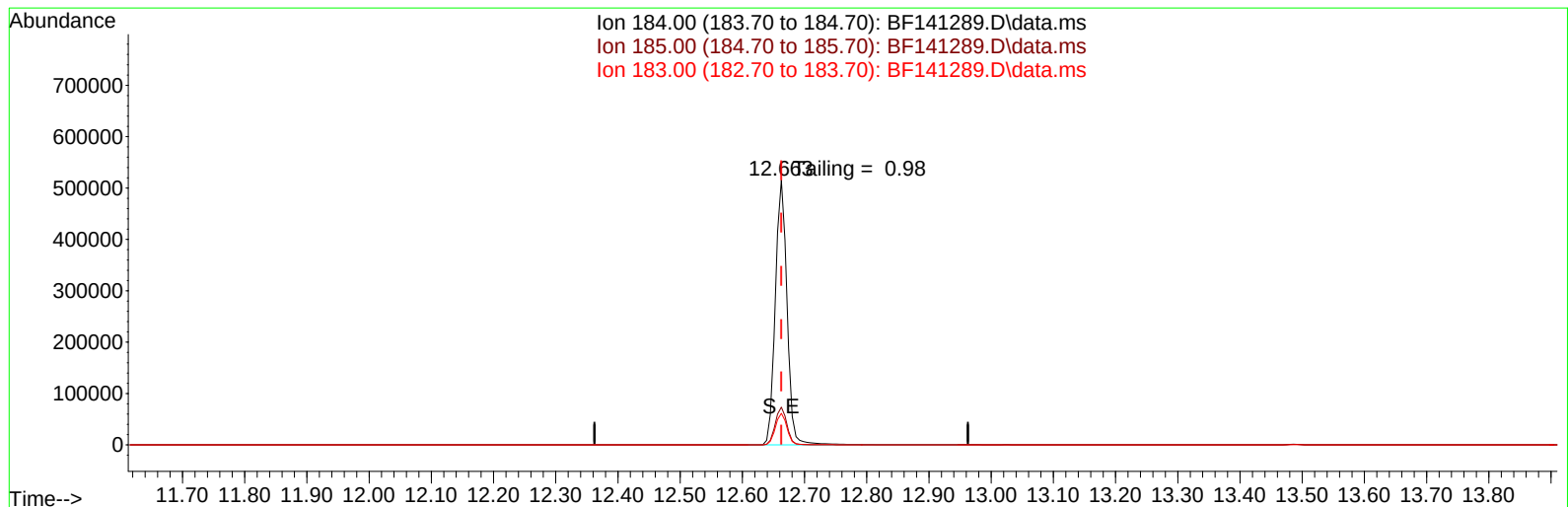
response 157302

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

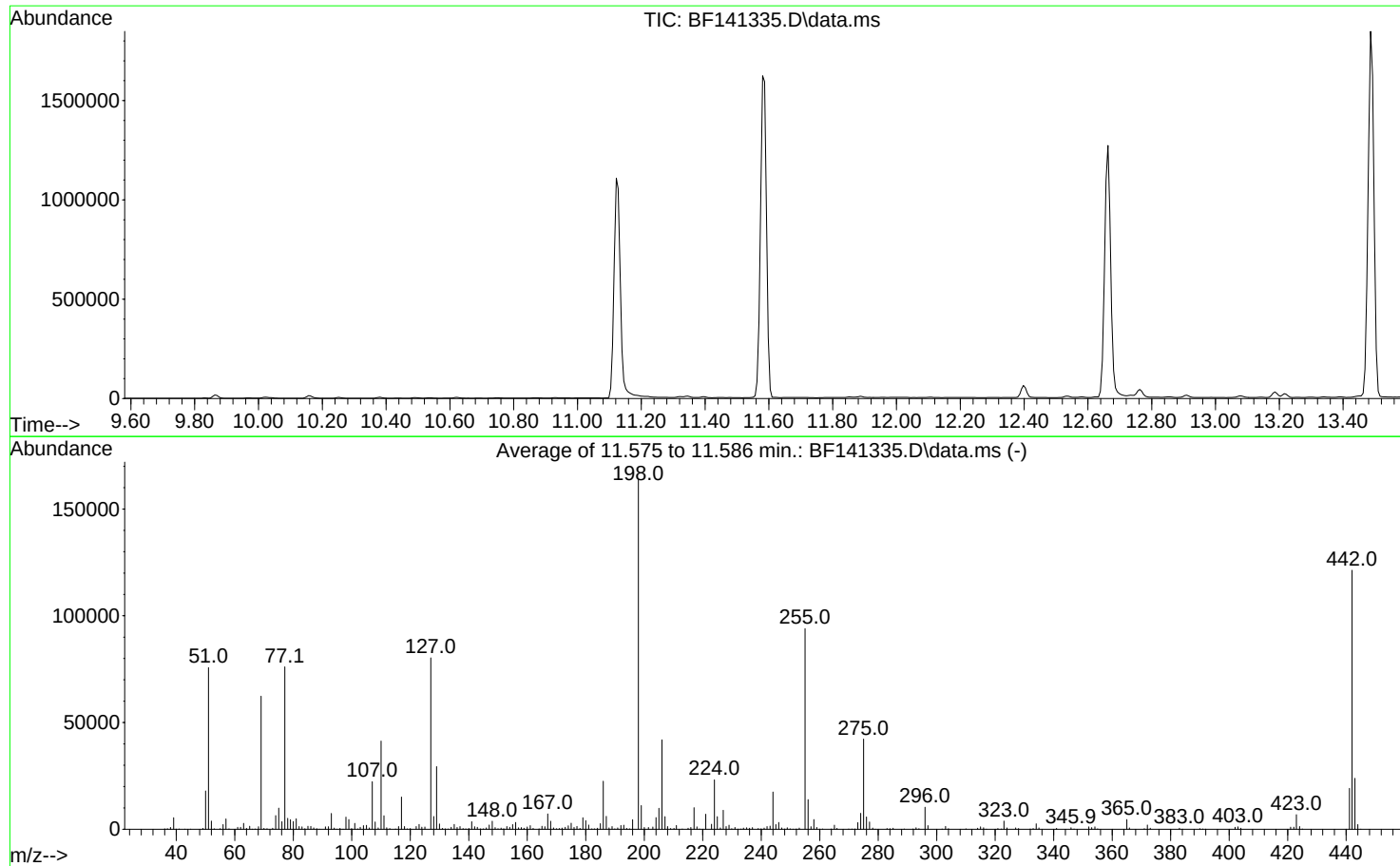
Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	<u>BF141289.D</u>
Compound Name	Response	Retention Time
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12170	419607	2.90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



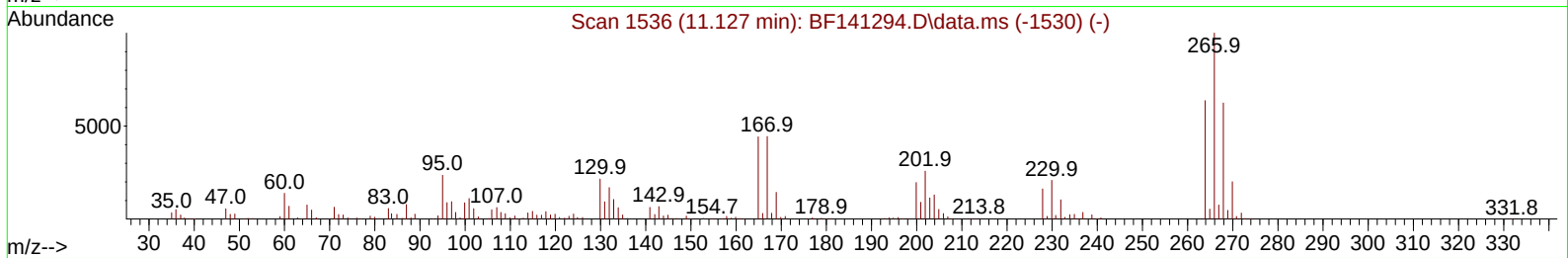
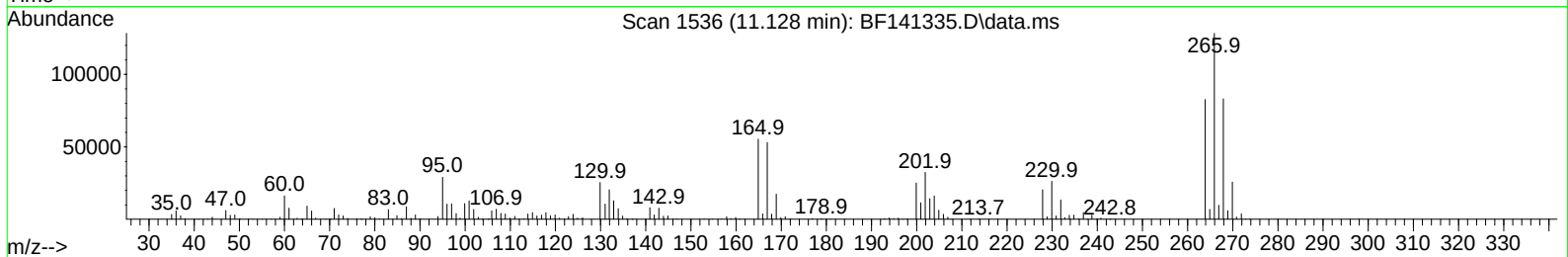
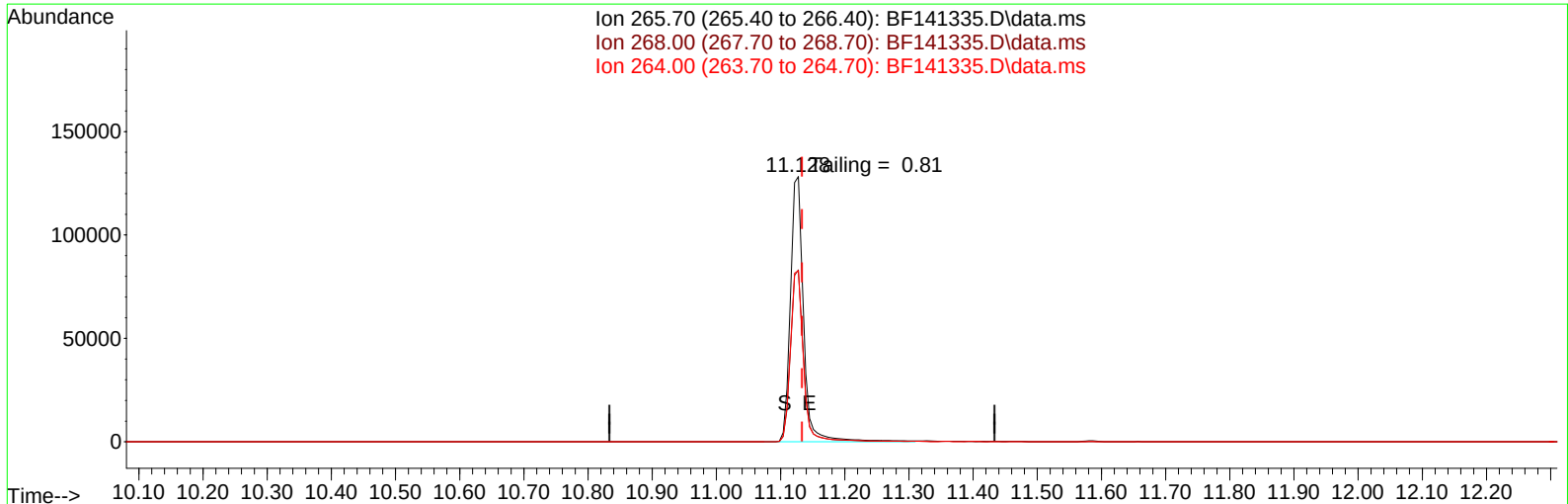
AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	75704	PASS
68	69	0.00	2	1.9	1195	PASS
69	198	0.00	100	38.1	62342	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	49.0	80267	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163789	PASS
199	198	5	9	6.8	11100	PASS
275	198	10	60	25.8	42219	PASS
365	198	1	100	2.8	4575	PASS
441	198	0.01	100	11.7	19173	PASS
442	442	50	100	100.0	121349	PASS
443	442	15	24	19.7	23847	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 9273.56 ng

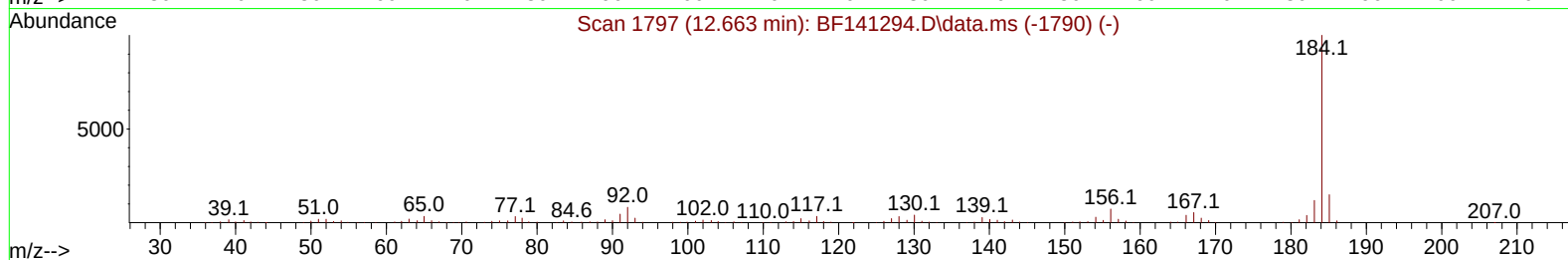
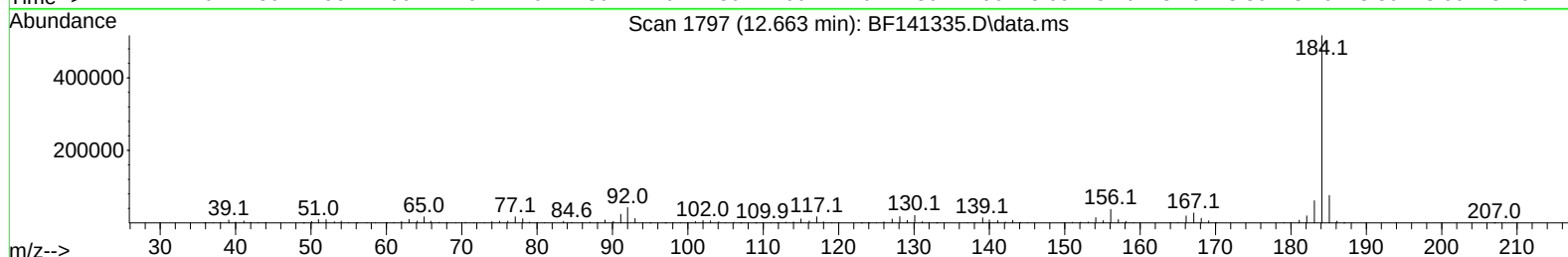
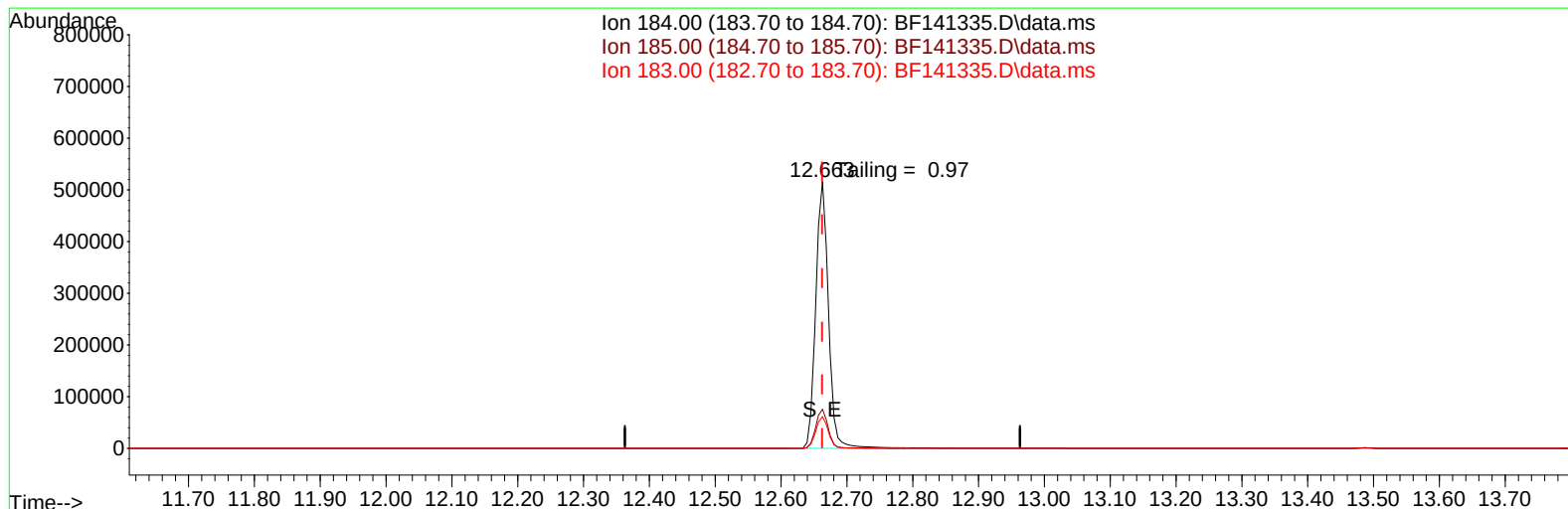
response 183922

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.82
264.00	63.70	64.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(77) Benzidine

12.663min (-0.000) 12340.55 ng

response 693915

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.90	11.87
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

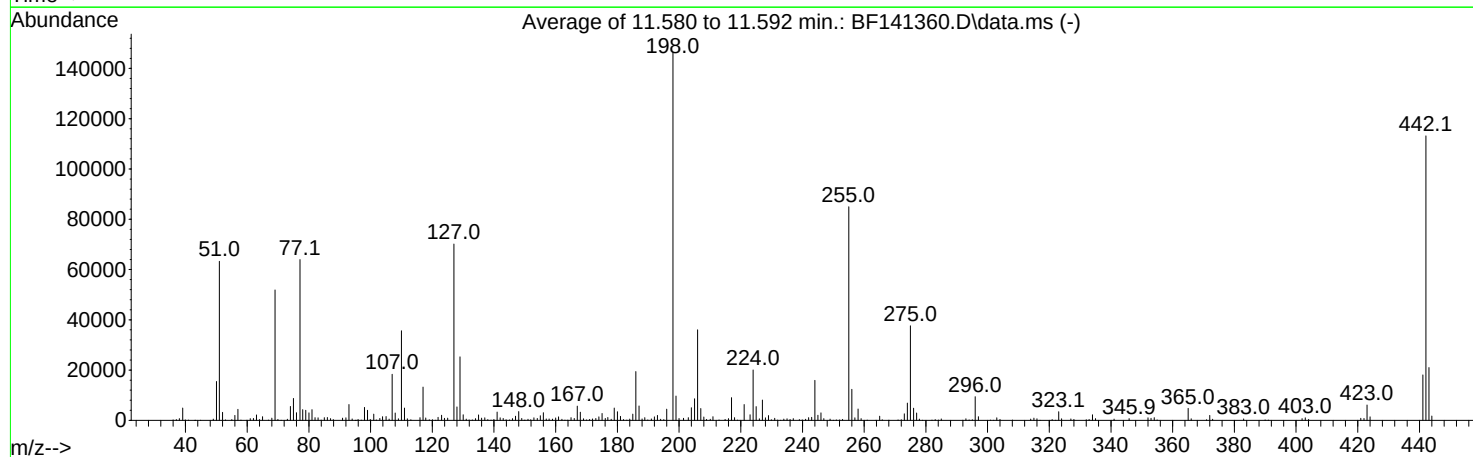
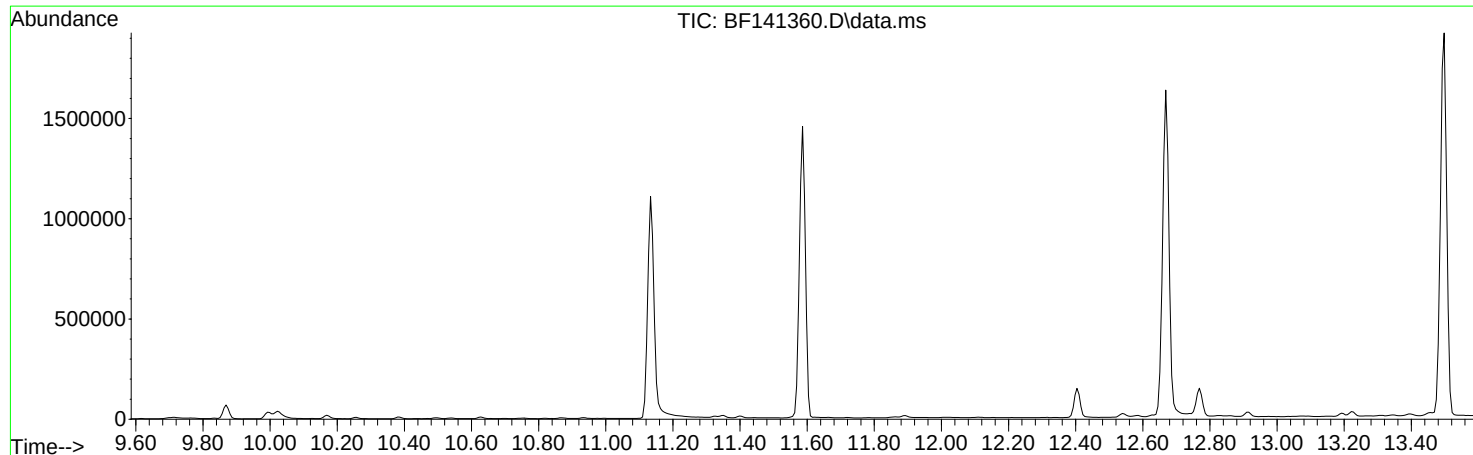
Date	Instrument Name	DFTPP Data File
1/31/2025	BNA_F	<u>BF141335.D</u>
Compound Name	Response	Retention Time
DDT	464959	13.486
DDD	12206	13.186
DDE	750	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12956	477915	2.71

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



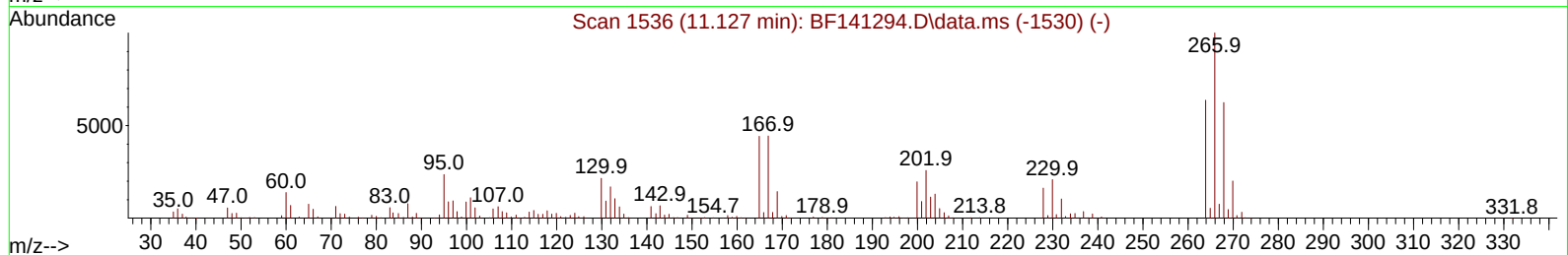
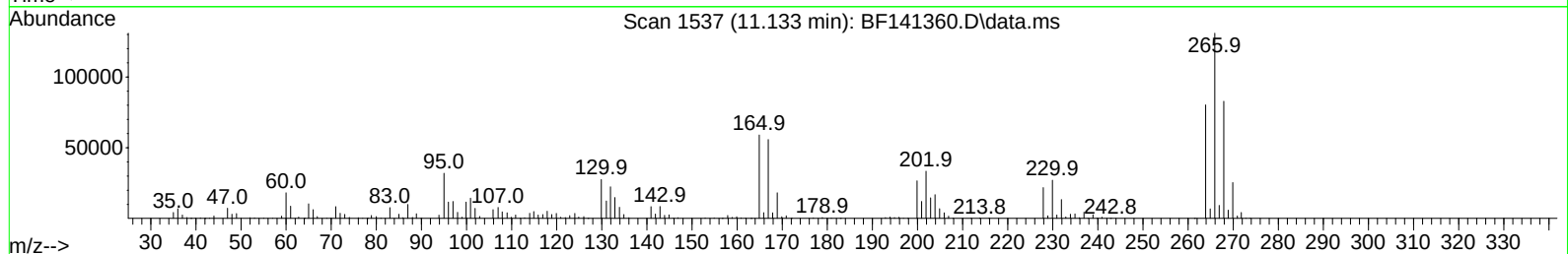
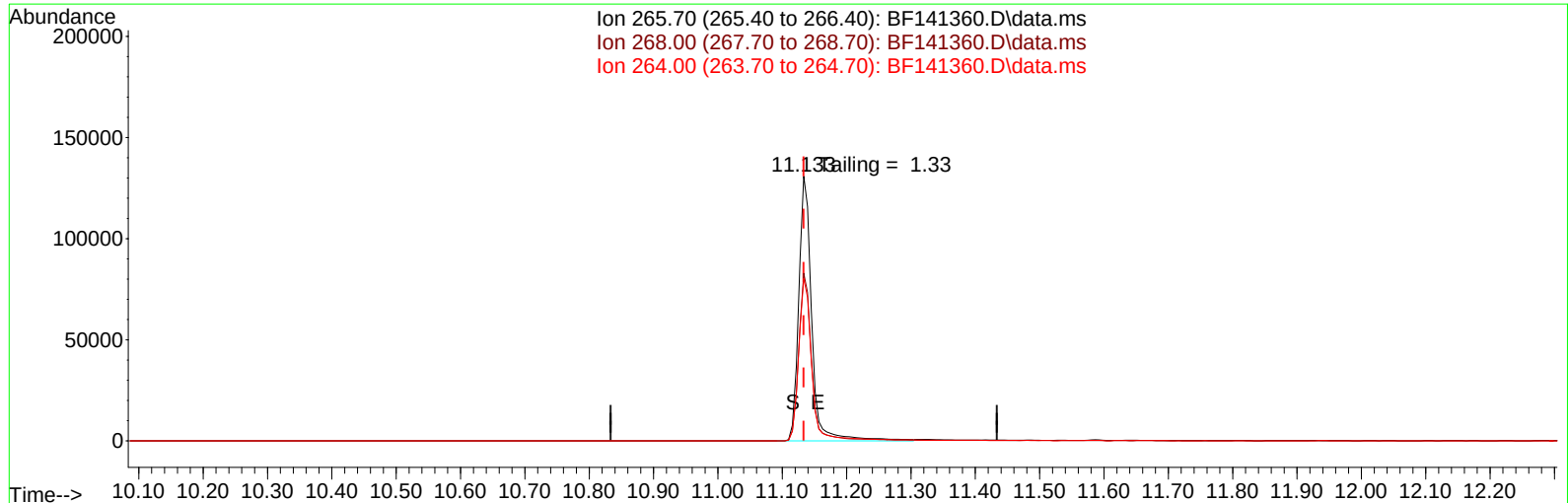
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	63285	PASS
68	69	0.00	2	1.7	900	PASS
69	198	0.00	100	35.5	51895	PASS
70	69	0.00	2	0.7	361	PASS
127	198	10	80	47.9	70147	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146336	PASS
199	198	5	9	6.6	9686	PASS
275	198	10	60	25.7	37640	PASS
365	198	1	100	3.2	4754	PASS
441	198	0.01	100	12.3	18072	PASS
442	442	50	100	100.0	113157	PASS
443	442	15	24	18.6	21030	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141360.D\data.ms

(70) Pentachlorophenol (C)

11.133min (-0.000) 6278.82 ng

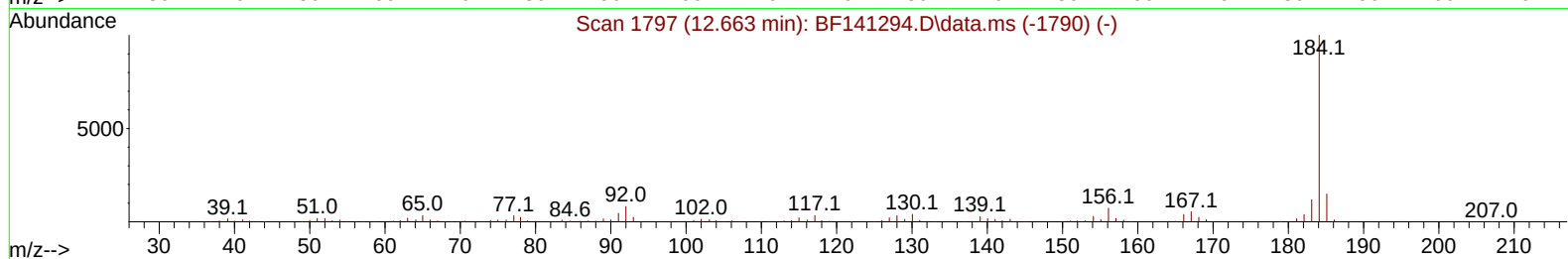
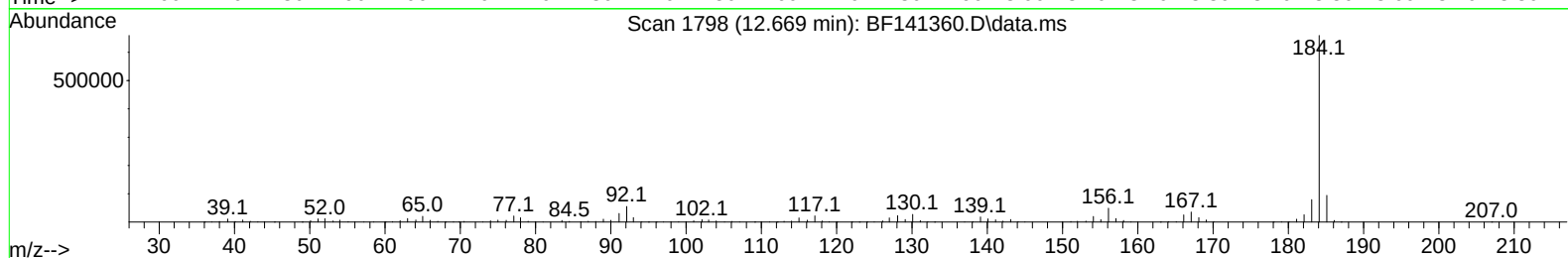
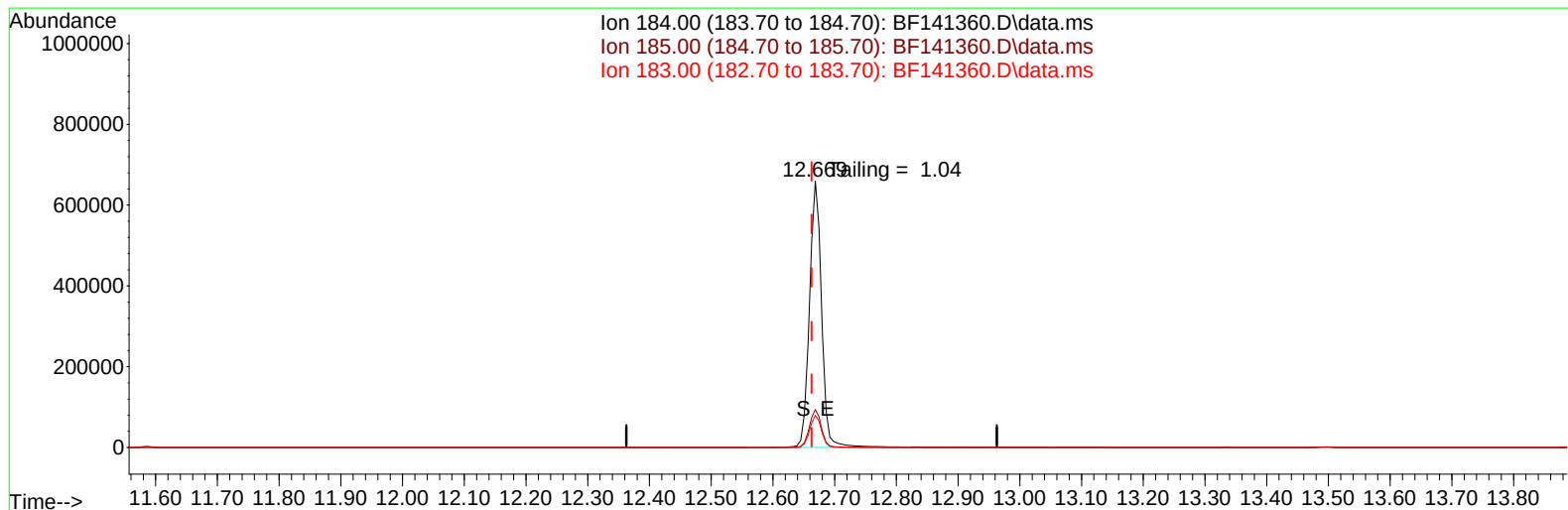
response 185394

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.32
264.00	63.70	61.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141360.D\data.ms

(77) Benzidine

12.669min (+ 0.006) 7483.96 ng

response 909791

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.28
183.00	11.90	12.04
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

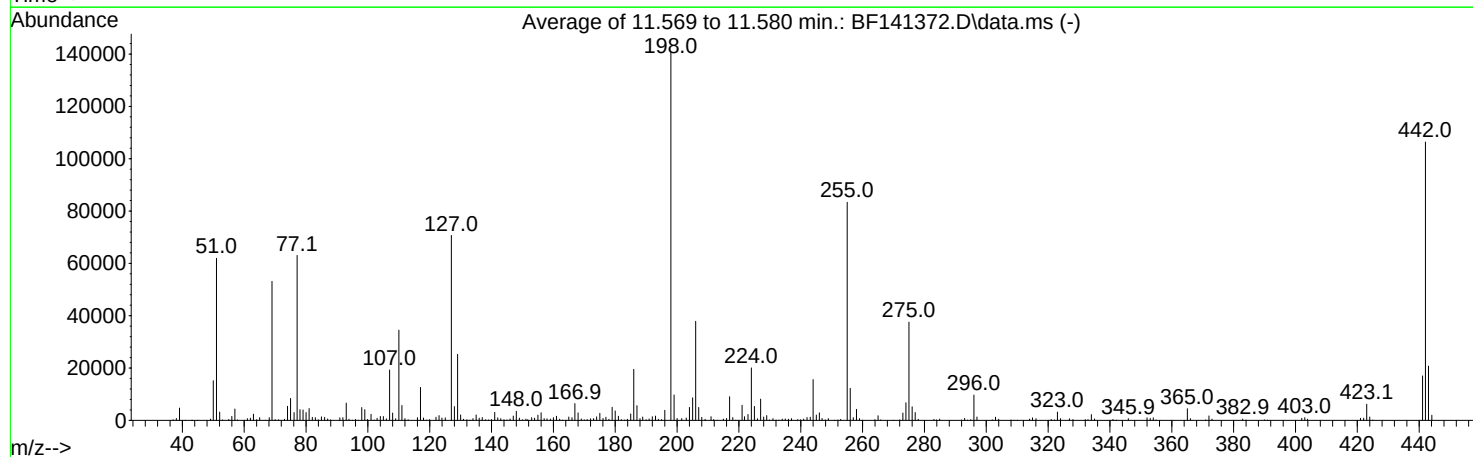
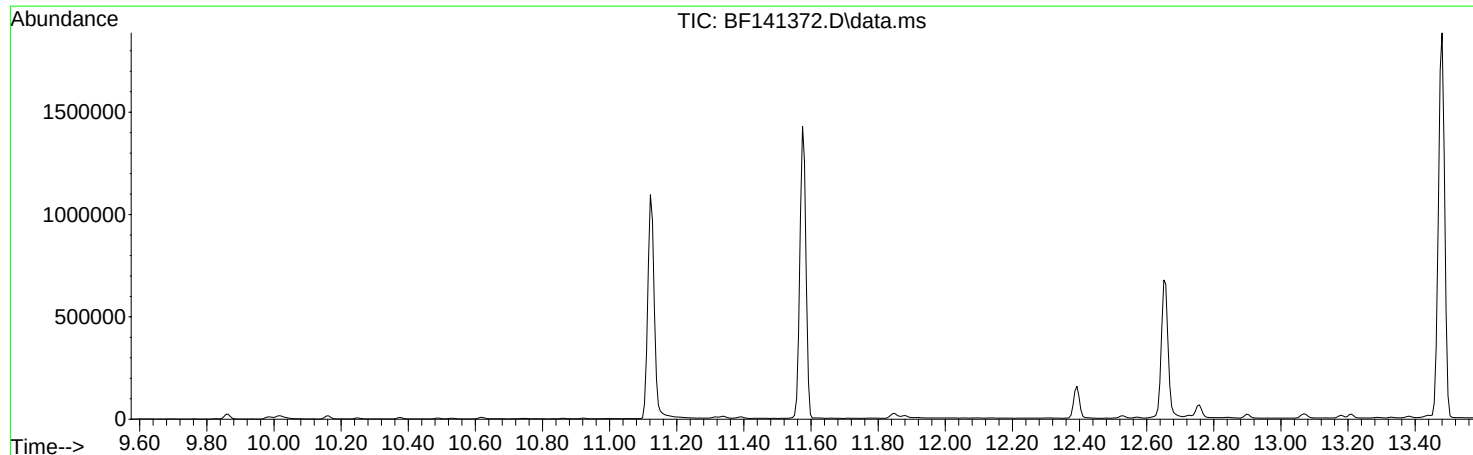
Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	<u>BF141360.D</u>
Compound Name	Response	Retention Time
DDT	493977	13.498
DDD	9683	13.221
DDE	491	12.857
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10174	504151	2.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



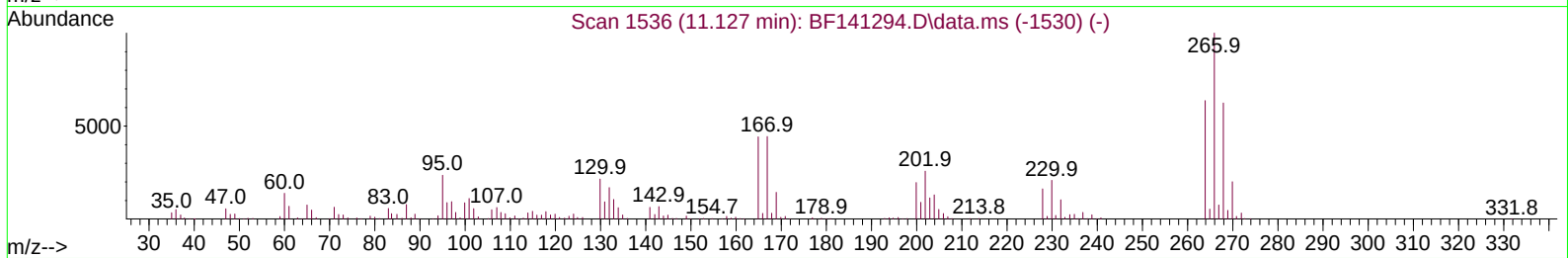
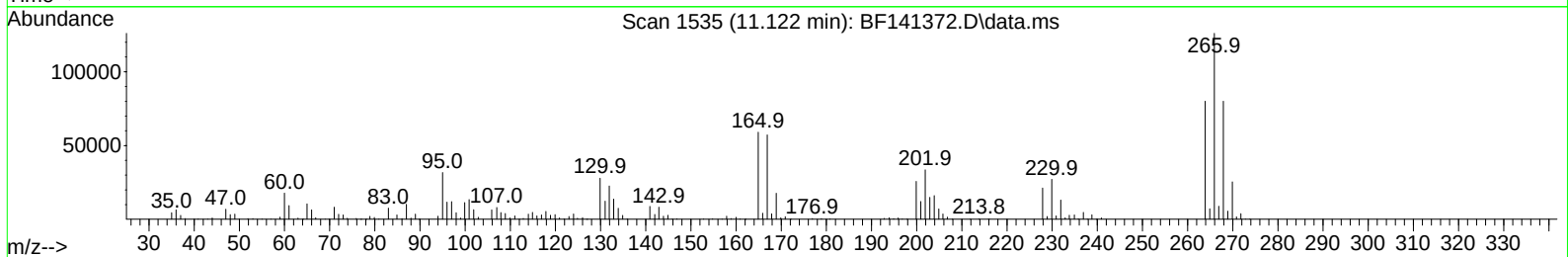
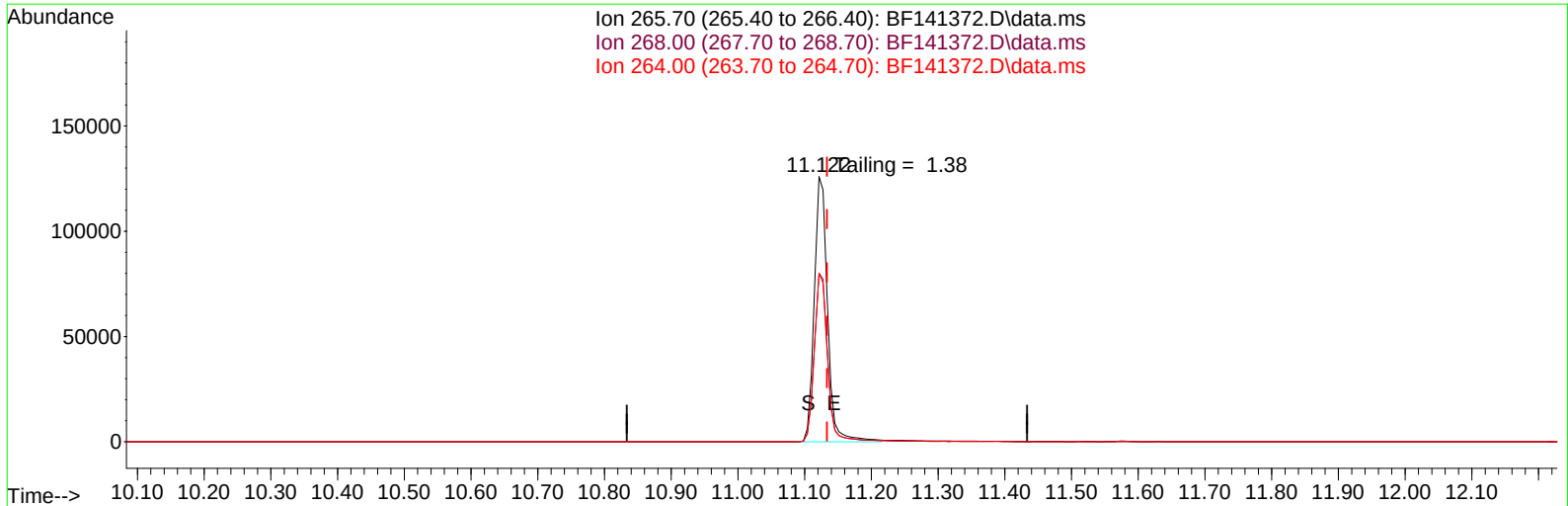
AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	44.1	61981	PASS
68	69	0.00	2	2.0	1060	PASS
69	198	0.00	100	37.8	53141	PASS
70	69	0.00	2	0.6	326	PASS
127	198	10	80	50.3	70667	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	140589	PASS
199	198	5	9	6.9	9756	PASS
275	198	10	60	26.7	37523	PASS
365	198	1	100	3.2	4469	PASS
441	198	0.01	100	12.1	17032	PASS
442	442	50	100	100.0	106389	PASS
443	442	15	24	19.5	20710	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141372.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 6372.12 ng

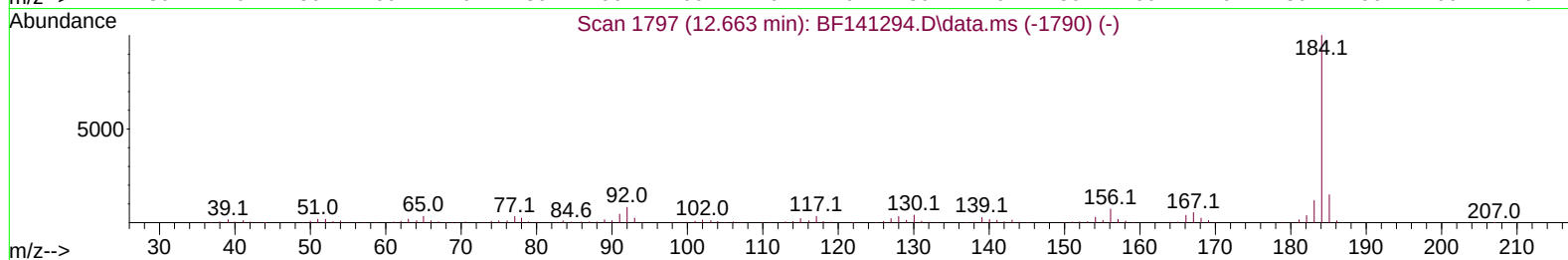
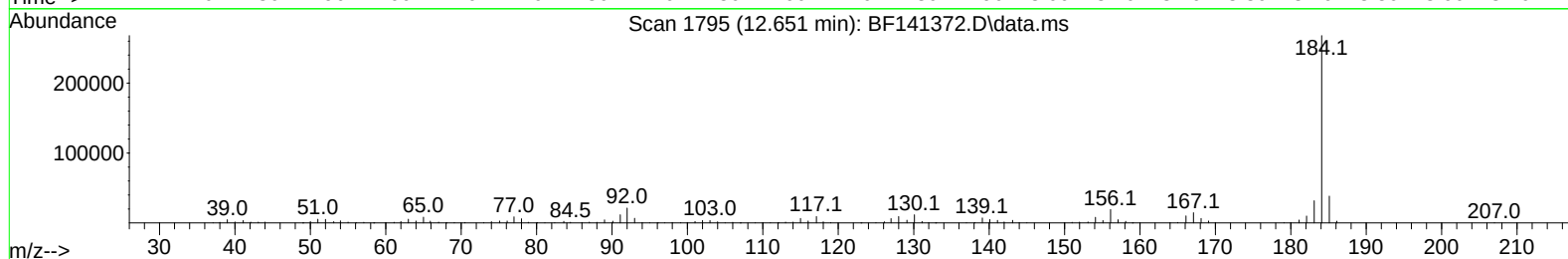
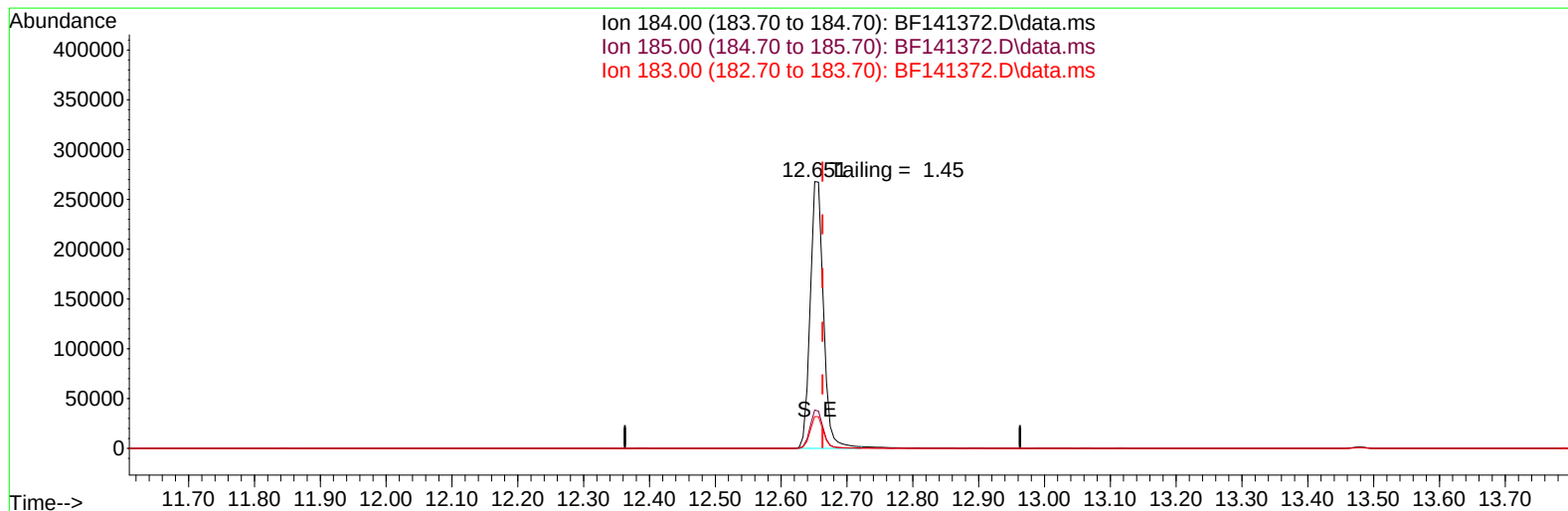
response 175387

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.54
264.00	63.70	63.51
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141372.D\data.ms

(77) Benzidine

12.651min (-0.012) 4251.31 ng

response 379432

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.36
183.00	11.90	11.93
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

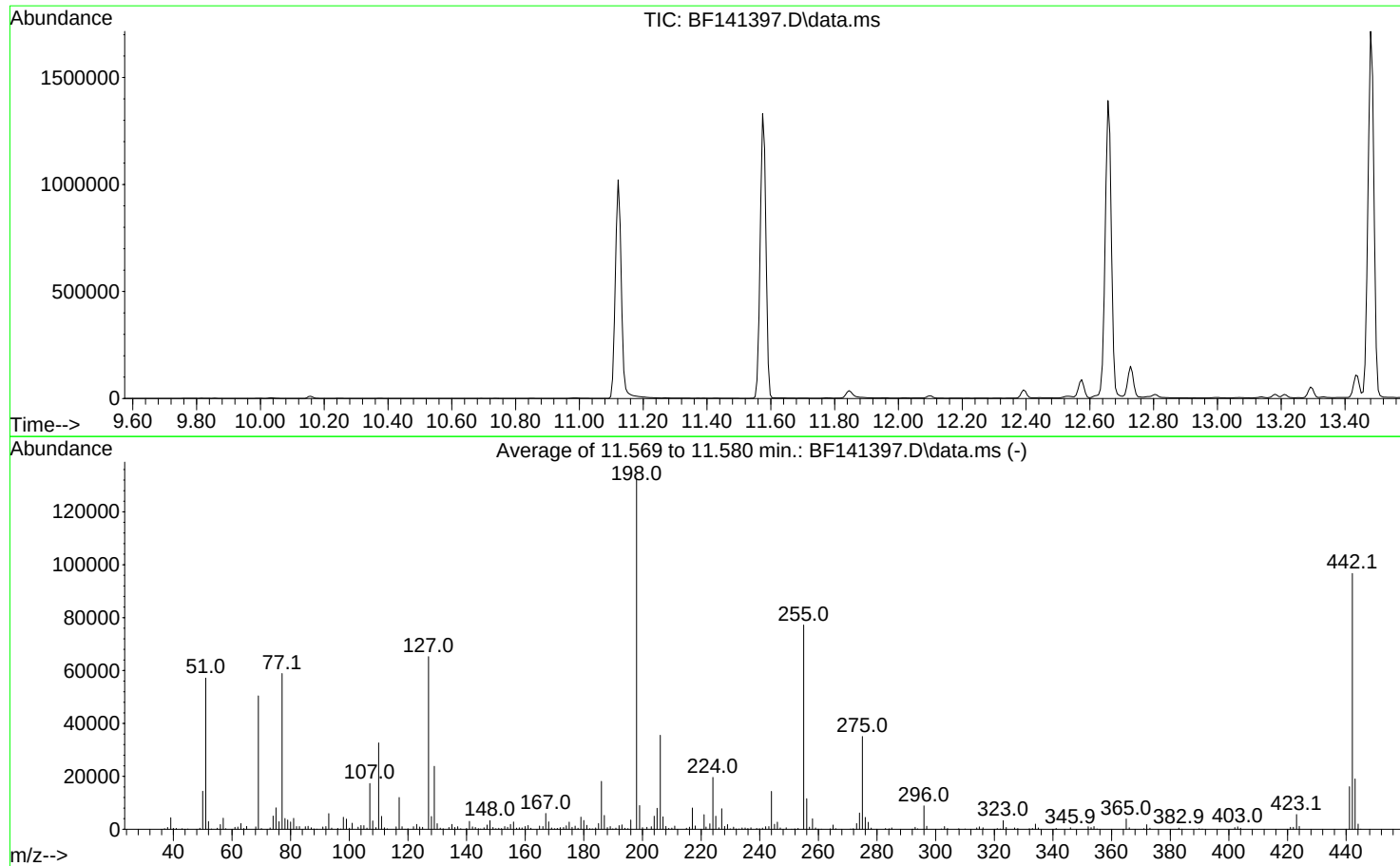
Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	<u>BF141372.D</u>
Compound Name	Response	Retention Time
DDT	484680	13.48
DDD	8749	13.21
DDE	790	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9539	494219	1.93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



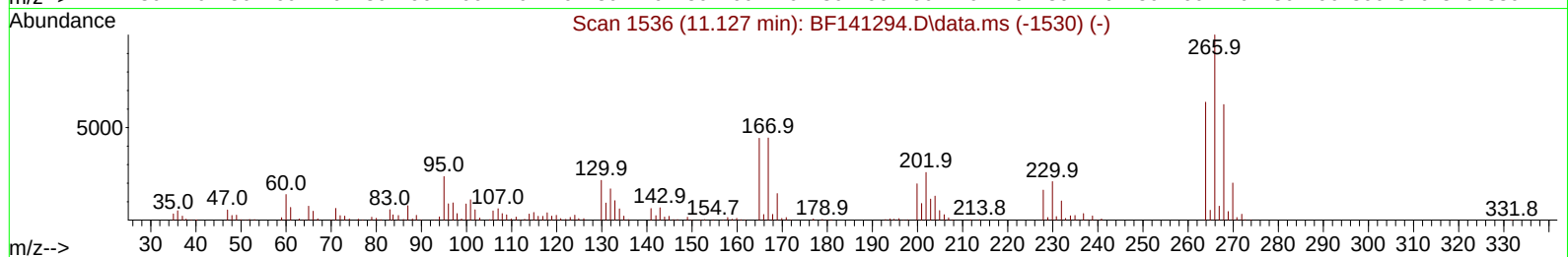
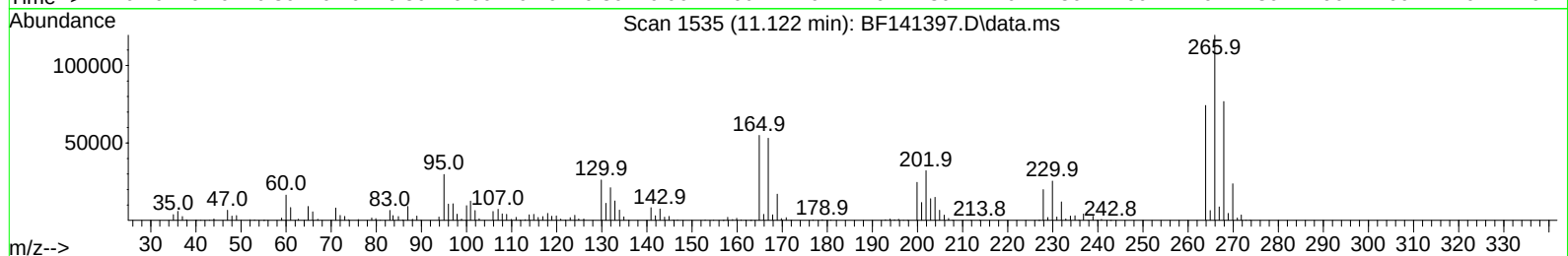
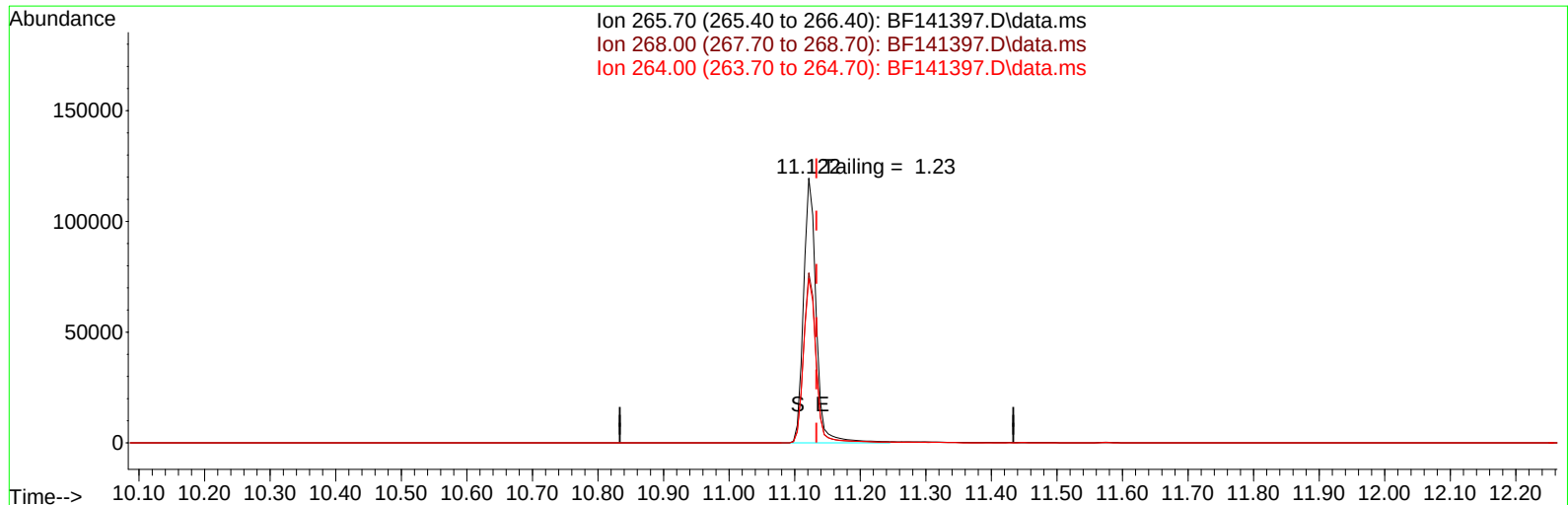
AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.3	57171	PASS
68	69	0.00	2	1.9	947	PASS
69	198	0.00	100	38.1	50408	PASS
70	69	0.00	2	0.6	288	PASS
127	198	10	80	49.4	65259	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	132187	PASS
199	198	5	9	6.8	8986	PASS
275	198	10	60	26.5	35069	PASS
365	198	1	100	3.0	3931	PASS
441	198	0.01	100	12.2	16076	PASS
442	442	50	100	100.0	96717	PASS
443	442	15	24	19.7	19012	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141397.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 45312.00 ng

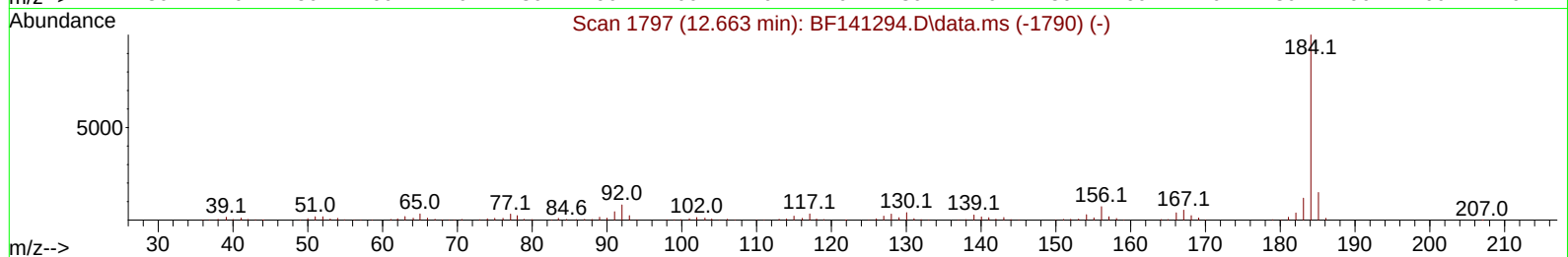
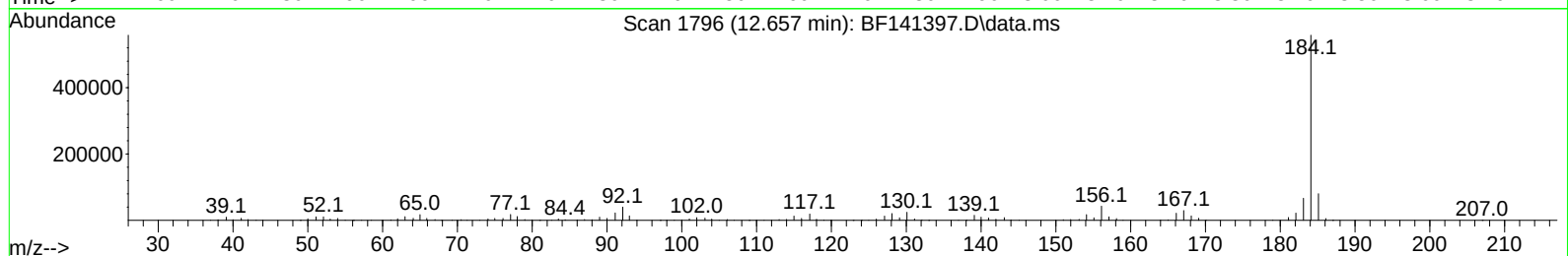
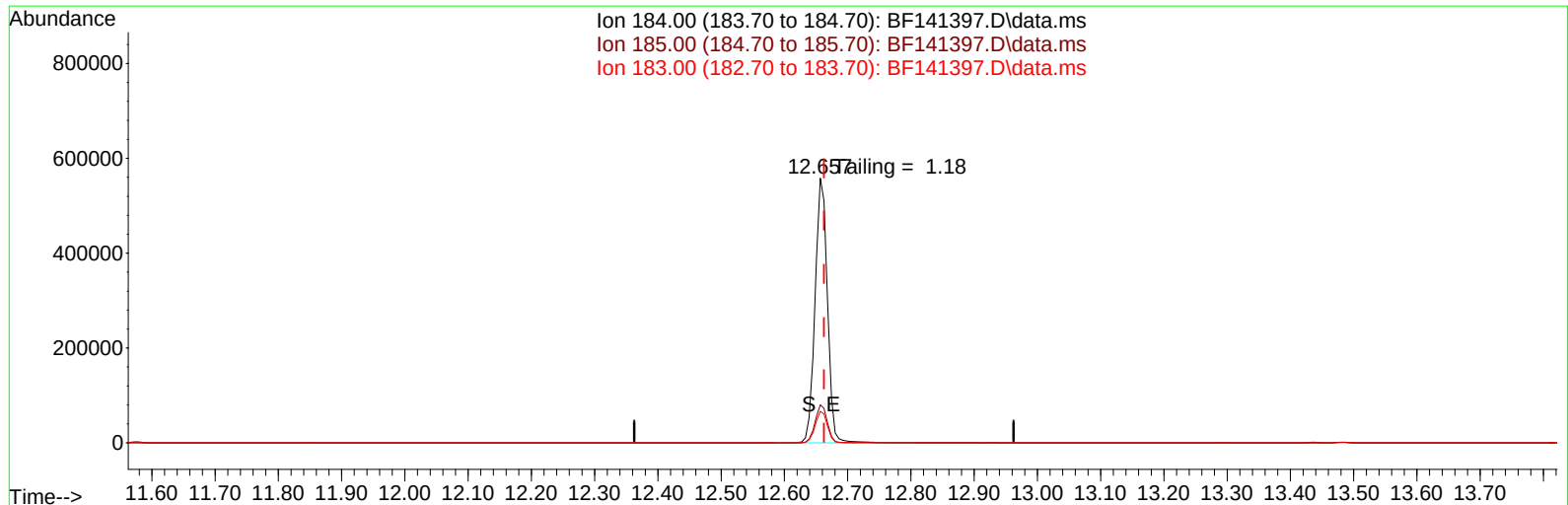
response 160702

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.23
264.00	63.70	62.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141397.D\data.ms

(77) Benzidine

12.657min (-0.006) 113140.91 ng

response 761695

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.38
183.00	11.90	11.93
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	<u>BF141397.D</u>
Compound Name	Response	Retention Time
DDT	430190	13.48
DDD	8939	13.18
DDE	241	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9180	439370	2.09

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BL	SDG No.:	Q1232
Lab Sample ID:	PB166426BL	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
BF141362.D	1	01/31/25 10:29	02/03/25 11:51	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	5.00	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	5.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	159		10 - 139	106%	SPK: 150
13127-88-3	Phenol-d6	143		10 - 134	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		52 - 132	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	84.0		48 - 125	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87300	6.793			
1146-65-2	Naphthalene-d8	348000	8.075			
15067-26-2	Acenaphthene-d10	192000	9.828			
1517-22-2	Phenanthrene-d10	337000	11.316			
1719-03-5	Chrysene-d12	286000	13.957			
1520-96-3	Perylene-d12	281000	15.421			

Report of Analysis

Client:	RU2 Engineering, LLC		Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR		Date Received:	
Client Sample ID:	PB166426BL		SDG No.:	Q1232
Lab Sample ID:	PB166426BL		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
BF141362.D	1	01/31/25 10:29	02/03/25 11:51	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BF020325\
Data File : BF141362.D
Acq On : 03 Feb 2025 11:51
Operator : RC/JU
Sample : PB166426BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166426BL

Quant Time: Feb 03 12:18:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	87343	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	347606	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	191809	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	337058	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	285942	20.000	ng	-0.02
86) Perylene-d12	15.421	264	281061	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	905850	159.219	ng	0.01
7) Phenol-d6	6.434	99	1034467	142.930	ng	0.00
23) Nitrobenzene-d5	7.357	82	679449	103.042	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	279143	158.744	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1249119	100.237	ng	-0.01
79) Terphenyl-d14	12.910	244	1557840	84.020	ng	0.00

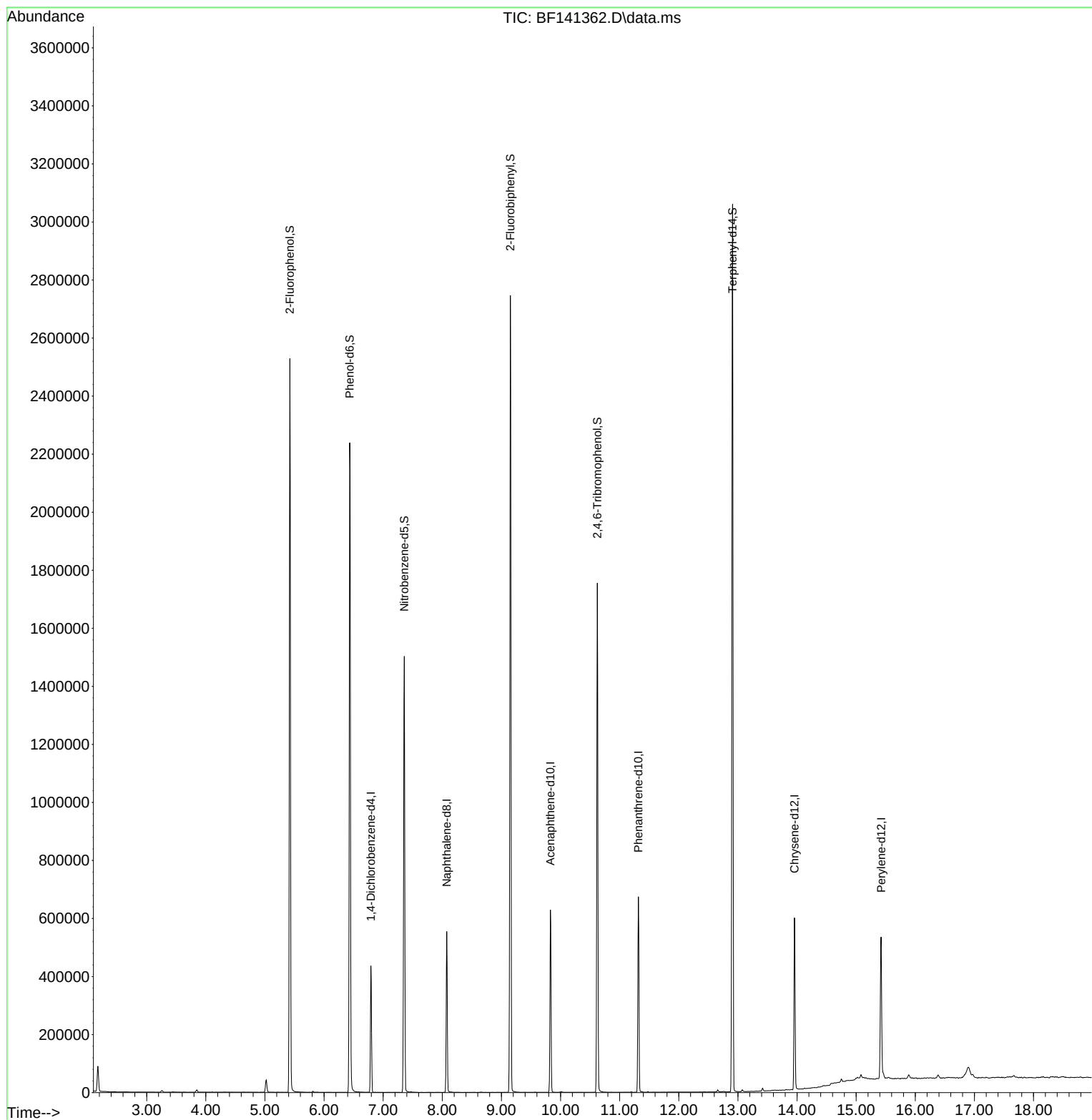
Target Compounds	Qvalue

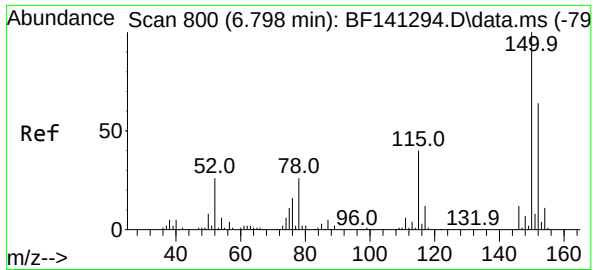
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141362.D
Acq On : 03 Feb 2025 11:51
Operator : RC/JU
Sample : PB166426BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166426BL

Quant Time: Feb 03 12:18:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

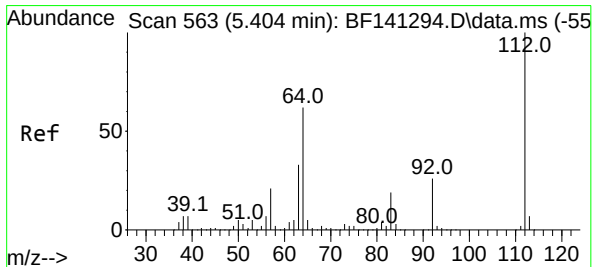
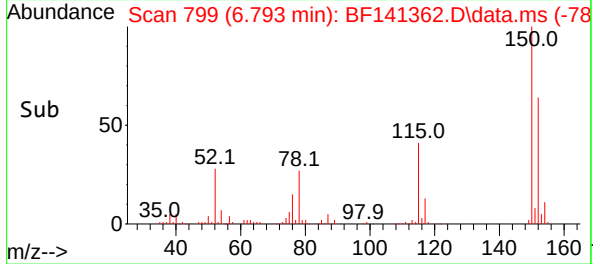
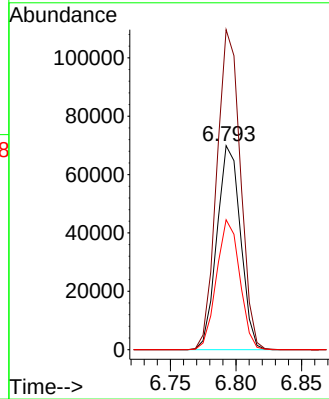
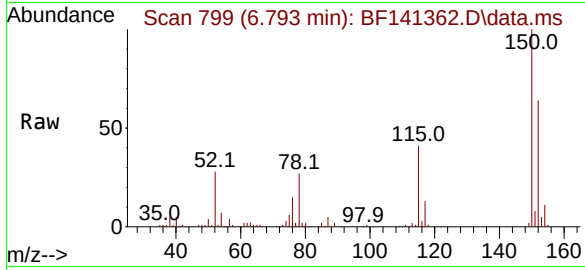




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

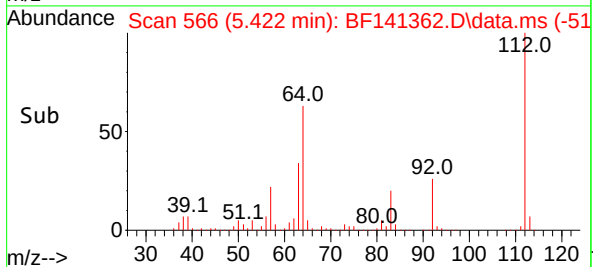
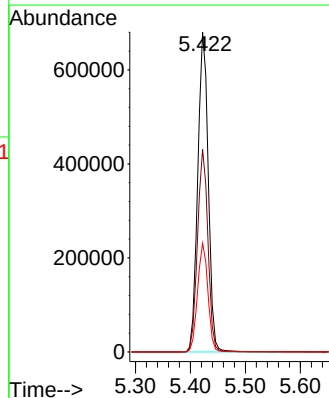
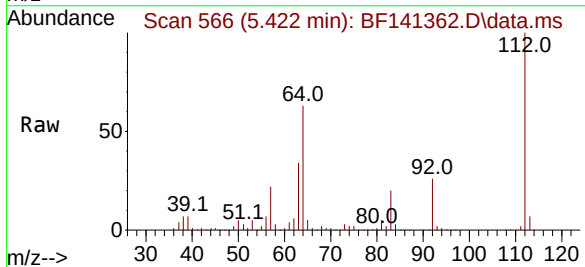
Instrument :
BNA_F
ClientSampleId :
PB166426BL

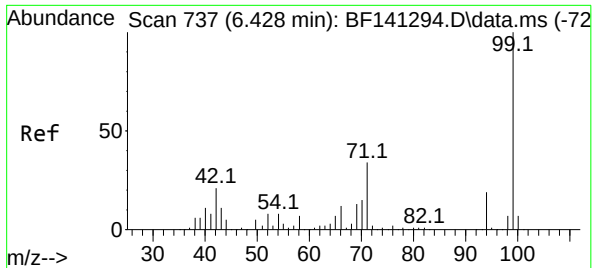
Tgt Ion:152 Resp: 87343
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 63.7 49.7 74.5



#5
2-Fluorophenol
Concen: 159.219 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

Tgt Ion:112 Resp: 905850
Ion Ratio Lower Upper
112 100
64 63.3 49.8 74.8
63 34.0 26.1 39.1

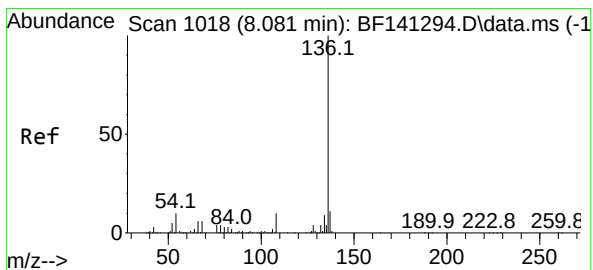
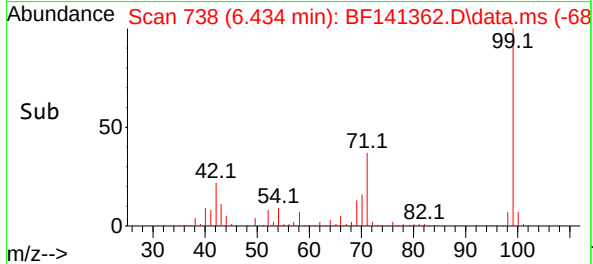
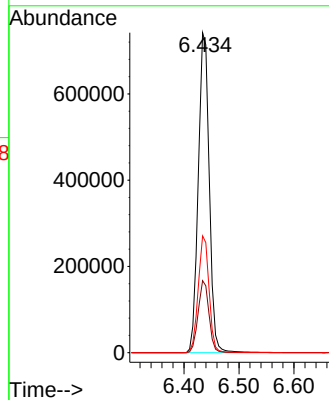
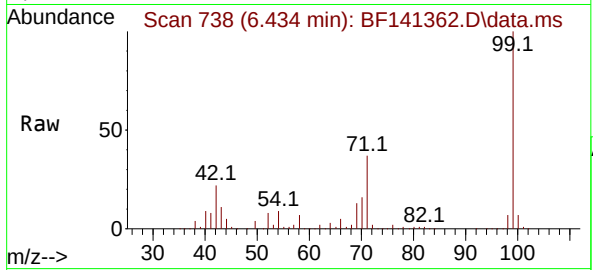




#7
Phenol-d6
Concen: 142.930 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

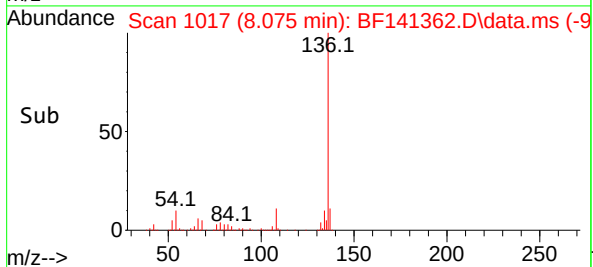
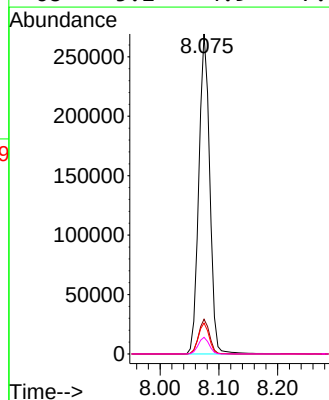
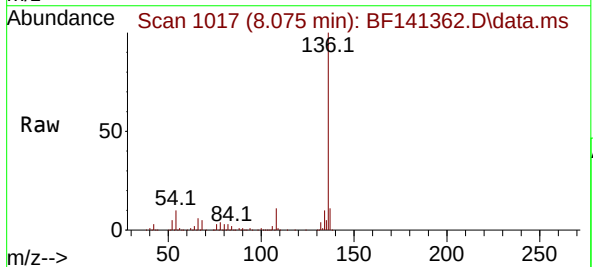
Instrument :
BNA_F
ClientSampleId :
PB166426BL

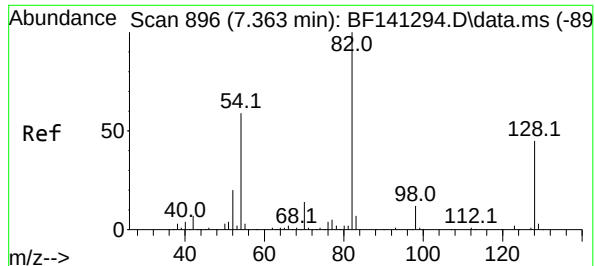
Tgt Ion: 99 Resp: 1034467
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.5 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141362.D
Acq: 03 Feb 2025 11:51

Tgt Ion: 136 Resp: 347606
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.8 11.8
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 103.042 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

Instrument :

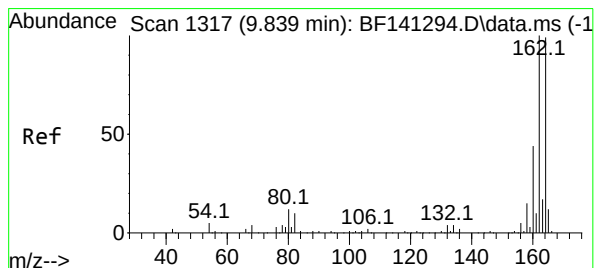
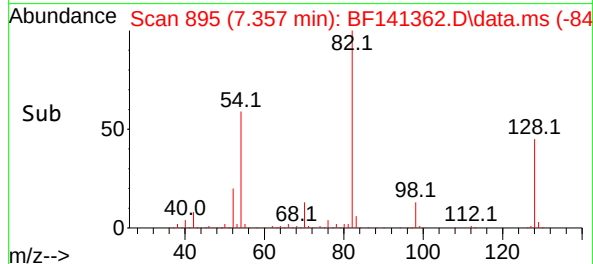
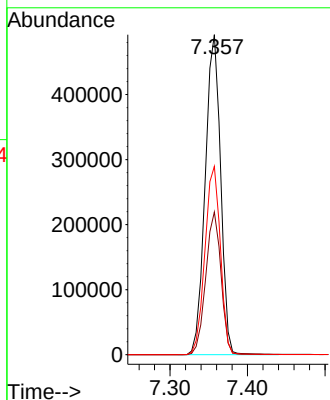
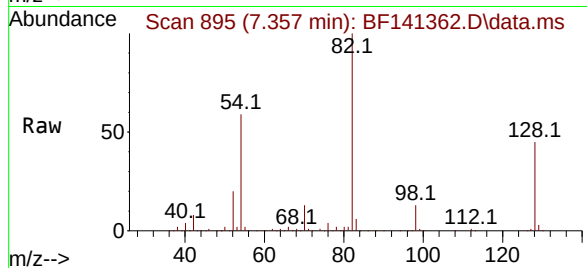
BNA_F

ClientSampleId :

PB166426BL

Tgt Ion: 82 Resp: 679449

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.9	47.1	70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

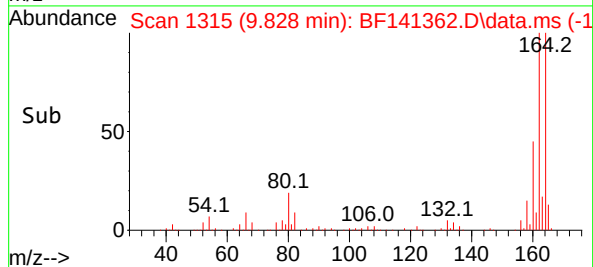
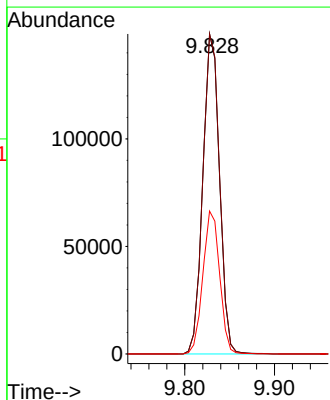
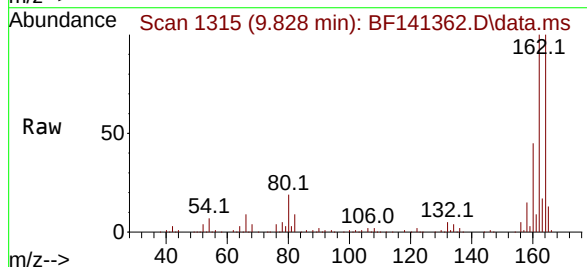
Delta R.T. -0.012 min

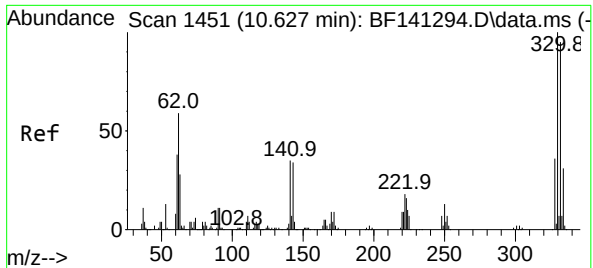
Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

Tgt Ion:164 Resp: 191809

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	44.7	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 158.744 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141362.D

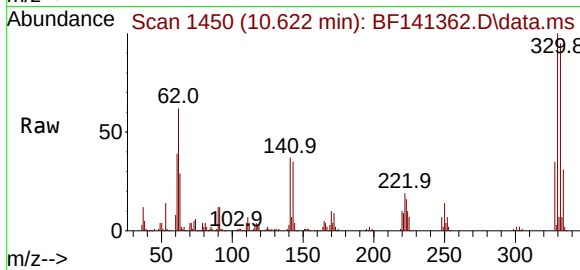
Acq: 03 Feb 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166426BL



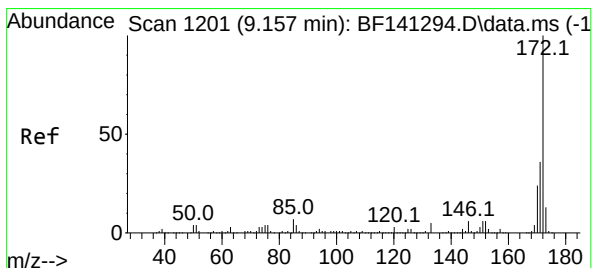
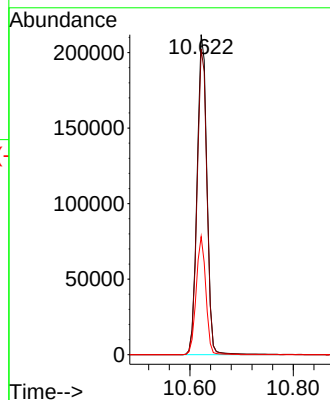
Tgt Ion:330 Resp: 279143

Ion Ratio Lower Upper

330 100

332 95.6 76.1 114.1

141 36.2 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 100.237 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

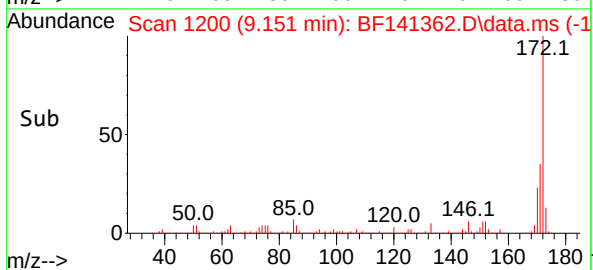
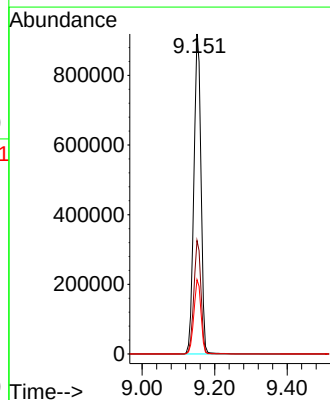
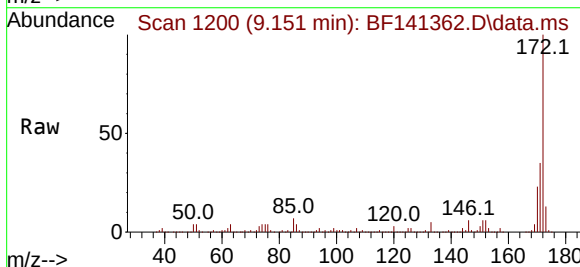
Tgt Ion:172 Resp: 1249119

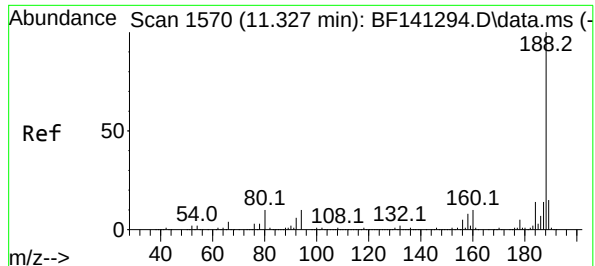
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.2 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166426BL

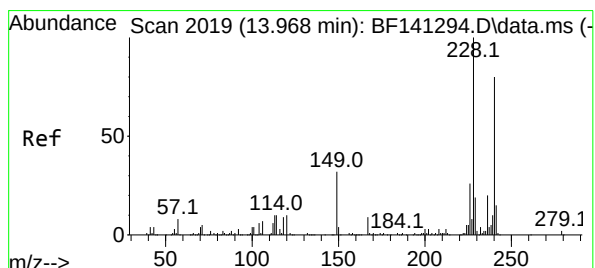
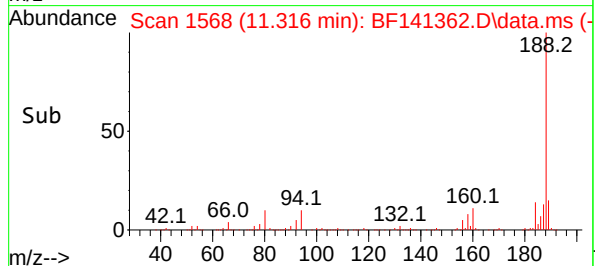
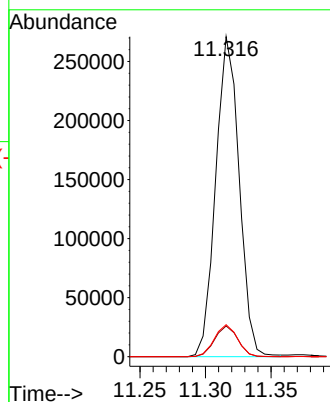
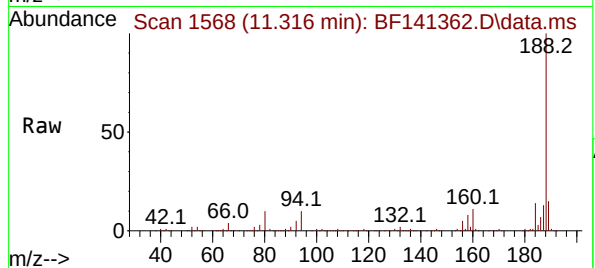
Tgt Ion:188 Resp: 337058

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.6

80 10.0 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

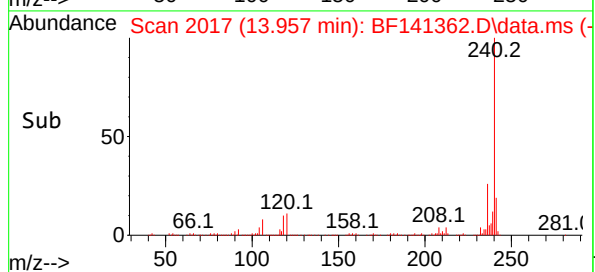
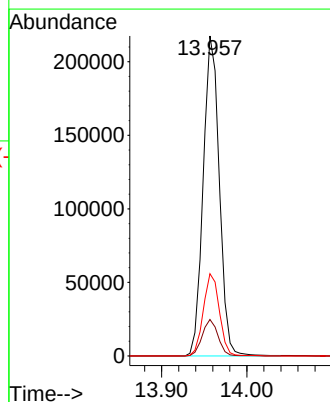
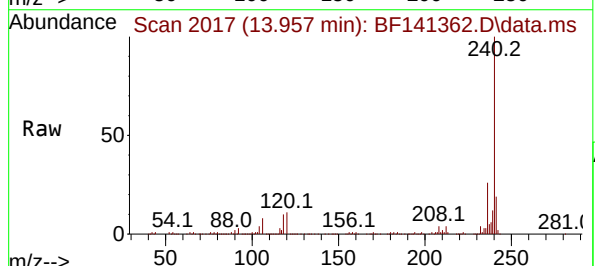
Tgt Ion:240 Resp: 285942

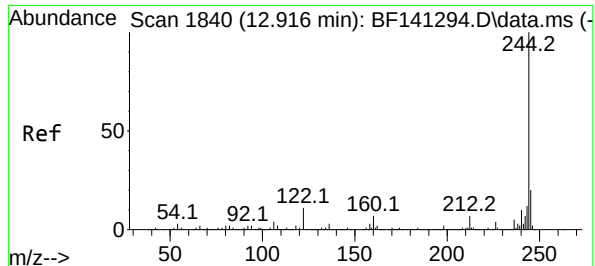
Ion Ratio Lower Upper

240 100

120 11.4 10.0 15.0

236 25.7 19.7 29.5





#79

Terphenyl-d14

Concen: 84.020 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166426BL

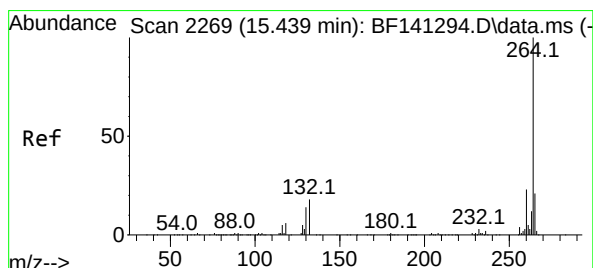
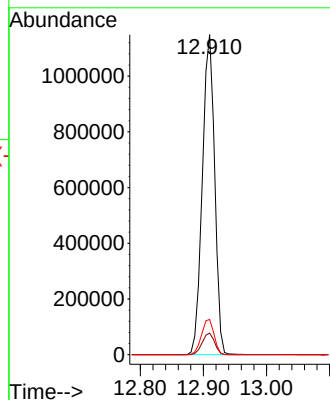
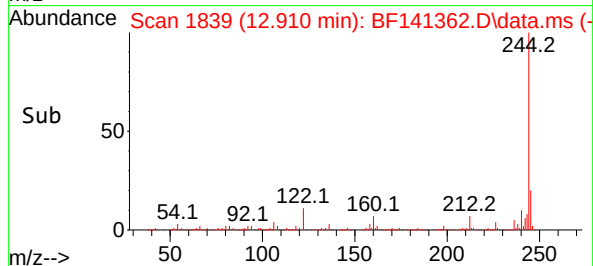
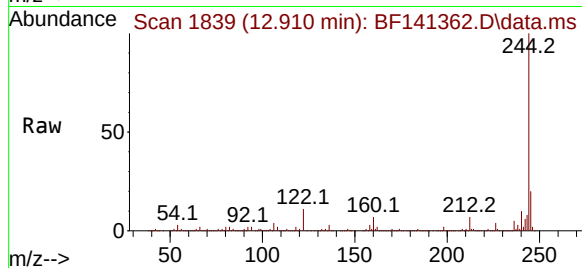
Tgt Ion:244 Resp: 1557840

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 11.0 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141362.D

Acq: 03 Feb 2025 11:51

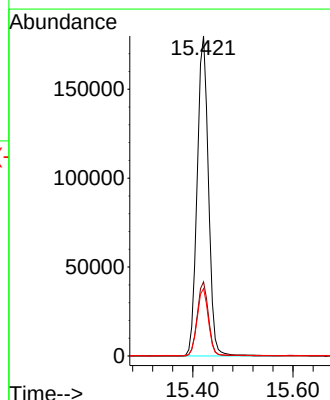
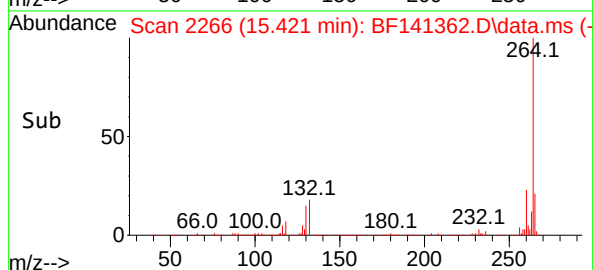
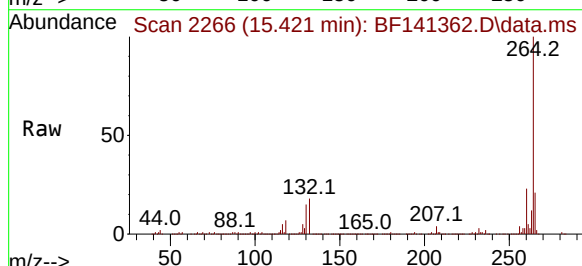
Tgt Ion:264 Resp: 281061

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.0 16.7 25.1



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BS	SDG No.:	Q1232
Lab Sample ID:	PB166426BS	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
BF141407.D	1	01/31/25 10:29	02/04/25 14:39	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.6		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.5		0.84	5.00	ug/L
95-48-7	2-Methylphenol	45.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.4		1.20	10.0	ug/L
67-72-1	Hexachloroethane	47.5		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.9		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	48.0		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	48.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.3		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.0		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	48.9		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		10 - 139	88%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.2		49 - 133	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		44 - 137	102%	SPK: 150
1718-51-0	Terphenyl-d14	89.9		48 - 125	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	82700		6.787		
1146-65-2	Naphthalene-d8	331000		8.075		
15067-26-2	Acenaphthene-d10	181000		9.827		
1517-22-2	Phenanthrene-d10	313000		11.316		
1719-03-5	Chrysene-d12	234000		13.963		
1520-96-3	Perylene-d12	201000		15.421		

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166426BS	SDG No.:	Q1232
Lab Sample ID:	PB166426BS	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
BF141407.D	1	01/31/25 10:29	02/04/25 14:39	PB166426

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\BF020425\
 Data File : BF141407.D
 Acq On : 04 Feb 2025 14:39
 Operator : RC/JU
 Sample : PB166426BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166426BS

Quant Time: Feb 04 15:34:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	82681	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	331184	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	180993	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	312610	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	234119	20.000	ng	-0.01
86) Perylene-d12	15.421	264	200536	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	713019	132.392	ng	0.00
7) Phenol-d6	6.434	99	872692	127.377	ng	0.00
23) Nitrobenzene-d5	7.357	82	579317	92.213	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	254875	153.605	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1099591	93.511	ng	-0.01
79) Terphenyl-d14	12.904	244	1365459	89.945	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.551	88	94708	39.985	ng	98
3) Pyridine	3.275	79	226080	39.615	ng	97
4) n-Nitrosodimethylamine	3.228	42	163446	50.135	ng	89
6) Aniline	6.451	93	217287	37.466	ng	# 10
8) 2-Chlorophenol	6.581	128	278040	48.166	ng	95
9) Benzaldehyde	6.334	77	25465	6.417	ng	98
10) Phenol	6.445	94	326970	45.020	ng	# 69
11) bis(2-Chloroethyl)ether	6.528	93	253314	45.490	ng	98
12) 1,3-Dichlorobenzene	6.728	146	289320	45.456	ng	99
13) 1,4-Dichlorobenzene	6.804	146	290732	45.469	ng	99
14) 1,2-Dichlorobenzene	6.957	146	278667	46.543	ng	99
15) Benzyl Alcohol	6.934	79	243779	52.066	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	425235	43.914	ng	56
17) 2-Methylphenol	7.057	107	215340	45.900	ng	# 88
18) Hexachloroethane	7.298	117	112078	47.515	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	192355	47.250	ng	99
20) 3+4-Methylphenols	7.204	107	278667	48.376	ng	94
22) Acetophenone	7.198	105	387286	49.197	ng	# 97
24) Nitrobenzene	7.375	77	291997	44.851	ng	99
25) Isophorone	7.610	82	512208	47.166	ng	99
26) 2-Nitrophenol	7.686	139	149139	48.573	ng	96
27) 2,4-Dimethylphenol	7.734	122	214302m	54.835	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	311809	45.013	ng	99
29) 2,4-Dichlorophenol	7.939	162	228705	47.802	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	242234	44.333	ng	100
31) Naphthalene	8.092	128	799068	45.673	ng	100
32) Benzoic acid	7.857	122	173870	48.396	ng	97
33) 4-Chloroaniline	8.145	127	111900	18.861	ng	99
34) Hexachlorobutadiene	8.210	225	153801	47.999	ng	99
35) Caprolactam	8.510	113	71389m	45.688	ng	
36) 4-Chloro-3-methylphenol	8.639	107	252782	49.256	ng	97
37) 2-Methylnaphthalene	8.786	142	524031	47.126	ng	99
38) 1-Methylnaphthalene	8.886	142	488613	44.732	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	244141	47.415	ng	98
41) Hexachlorocyclopentadiene	8.939	237	292771	192.529	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	164492	48.807	ng	98

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 Data File : BF141407.D
 Acq On : 04 Feb 2025 14:39
 Operator : RC/JU
 Sample : PB166426BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166426BS

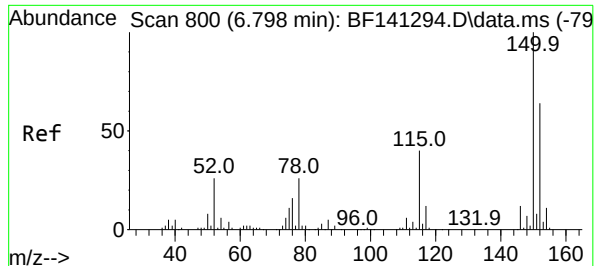
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	173420	47.278	ng	98
46) 1,1'-Biphenyl	9.251	154	655951	46.471	ng	99
47) 2-Chloronaphthalene	9.275	162	489548	44.496	ng	99
48) 2-Nitroaniline	9.375	65	170280	49.205	ng	97
49) Acenaphthylene	9.692	152	760954	49.410	ng	100
50) Dimethylphthalate	9.557	163	593755	48.572	ng	100
51) 2,6-Dinitrotoluene	9.616	165	132856	46.808	ng	98
52) Acenaphthene	9.863	154	591701m	53.779	ng	
53) 3-Nitroaniline	9.786	138	80709	29.013	ng	99
54) 2,4-Dinitrophenol	9.898	184	154693	117.244	ng	93
55) Dibenzofuran	10.039	168	700235	47.547	ng	97
56) 4-Nitrophenol	9.969	139	212195	104.299	ng	90
57) 2,4-Dinitrotoluene	10.022	165	183846	50.028	ng	94
58) Fluorene	10.380	166	560118	49.031	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	154775	53.634	ng	98
60) Diethylphthalate	10.257	149	586751	49.503	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	268913	48.191	ng	97
62) 4-Nitroaniline	10.404	138	135954	49.710	ng	94
63) Azobenzene	10.533	77	564907	47.614	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	109062	58.982	ng	96
66) n-Nitrosodiphenylamine	10.492	169	490366	48.499	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	169955	48.562	ng	99
68) Hexachlorobenzene	10.927	284	181362	48.853	ng	98
69) Atrazine	11.022	200	175099	51.796	ng	99
70) Pentachlorophenol	11.127	266	224331	103.193	ng	99
71) Phenanthrene	11.345	178	861852	51.288	ng	100
72) Anthracene	11.392	178	882833	53.619	ng	99
73) Carbazole	11.551	167	770620	52.783	ng	99
74) Di-n-butylphthalate	11.880	149	922589	52.143	ng	99
75) Fluoranthene	12.533	202	925902	55.804	ng	98
77) Benzidine	12.657	184	182119	24.265	ng	99
78) Pyrene	12.763	202	951626	42.345	ng	100
80) Butylbenzylphthalate	13.380	149	386308	49.204	ng	99
81) Benzo(a)anthracene	13.951	228	745476	46.144	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	128195	24.949	ng	99
83) Chrysene	13.992	228	722130	48.772	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	509487	51.156	ng	99
85) Di-n-octyl phthalate	14.568	149	801166	51.792	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	638218	49.309	ng	96
88) Benzo(b)fluoranthene	15.004	252	697768	55.316	ng	99
89) Benzo(k)fluoranthene	15.033	252	528168	47.265	ng	99
90) Benzo(a)pyrene	15.362	252	566504	53.145	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	511474	49.118	ng	98
92) Benzo(g,h,i)perylene	17.309	276	479740	44.307	ng	95

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

Instrument :
BNA_F
ClientSampleId :
PB166426BS

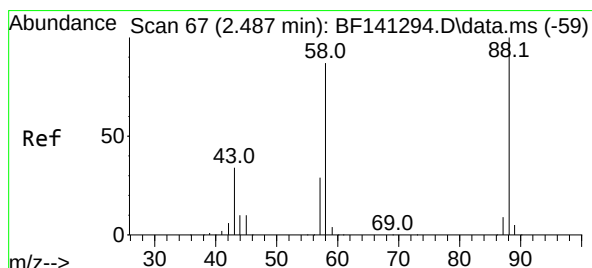
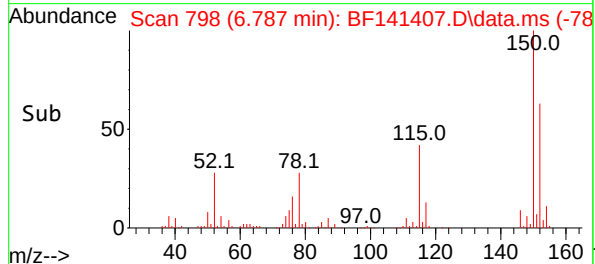
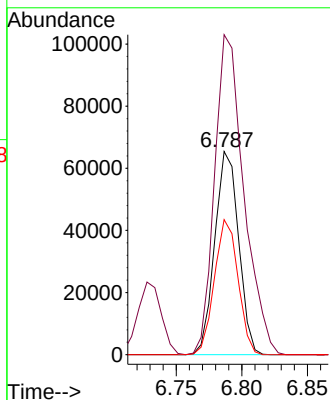
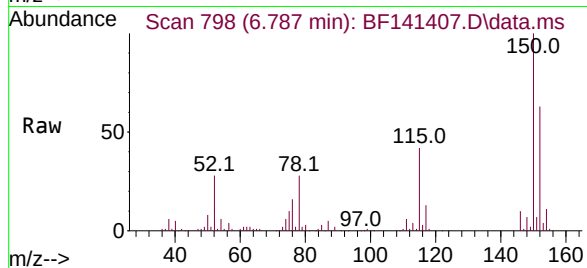
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

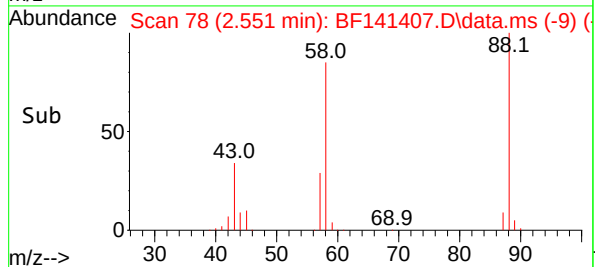
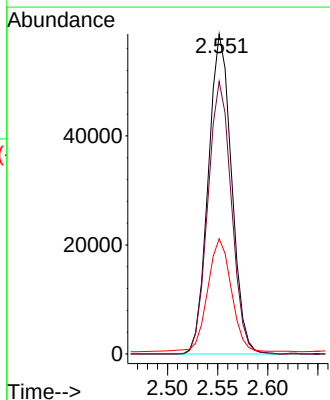
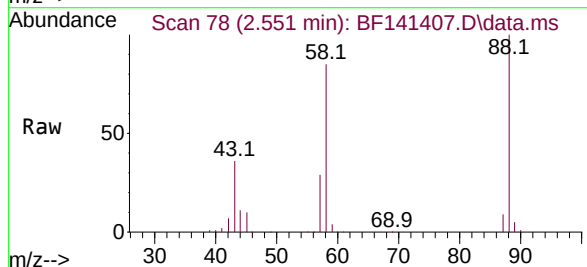
Instrument :
BNA_F
ClientSampleId :
PB166426BS

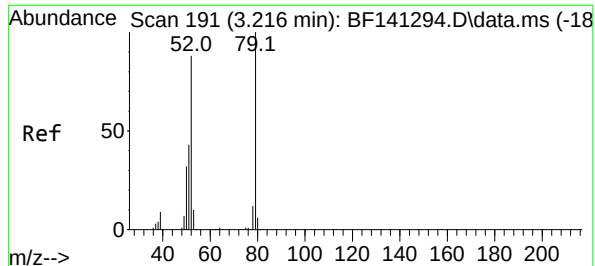
Tgt Ion:152 Resp: 82681
Ion Ratio Lower Upper
152 100
150 157.5 125.9 188.9
115 66.5 49.7 74.5



#2
1,4-Dioxane
Concen: 39.985 ng
RT: 2.551 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 88 Resp: 94708
Ion Ratio Lower Upper
88 100
58 86.5 70.2 105.4
43 36.1 27.6 41.4





#3

Pyridine

Concen: 39.615 ng

RT: 3.275 min Scan# 201

Delta R.T. 0.047 min

Lab File: BF141407.D

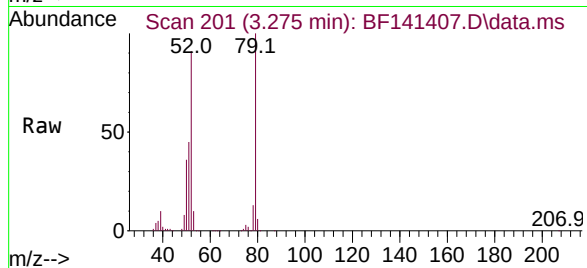
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Instrument :

BNA_F

ClientSampleId :

PB166426BS



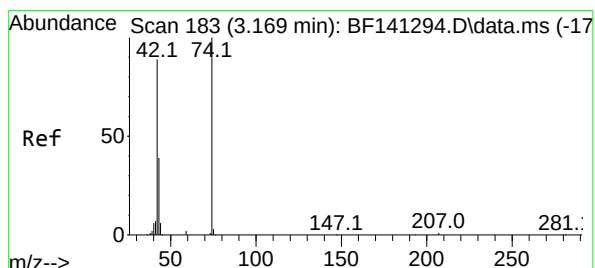
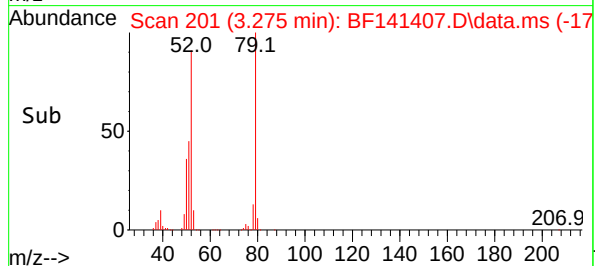
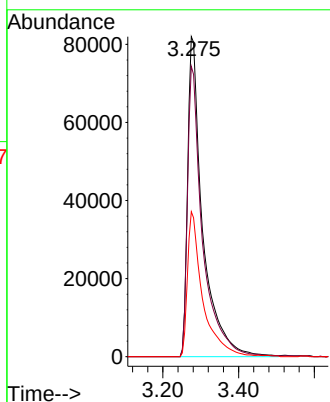
Tgt Ion: 79 Resp: 226080

Ion Ratio Lower Upper

79 100

52 90.7 70.3 105.5

51 45.3 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 50.135 ng

RT: 3.228 min Scan# 193

Delta R.T. 0.029 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

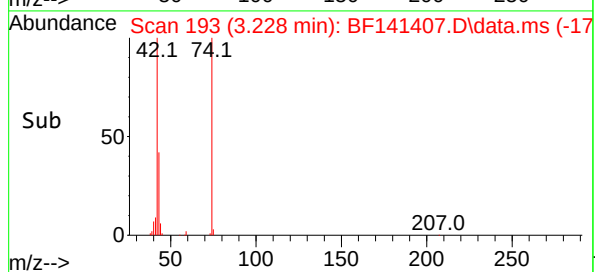
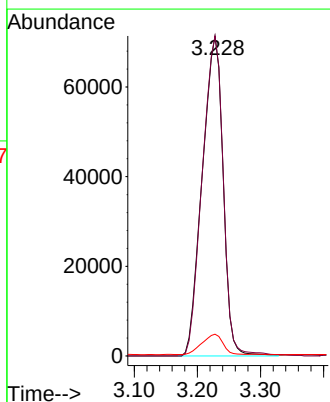
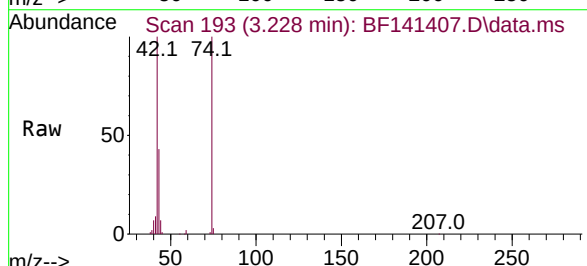
Tgt Ion: 42 Resp: 163446

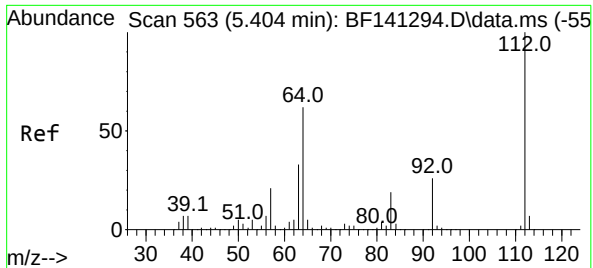
Ion Ratio Lower Upper

42 100

74 100.1 90.3 135.5

44 6.8 5.7 8.5

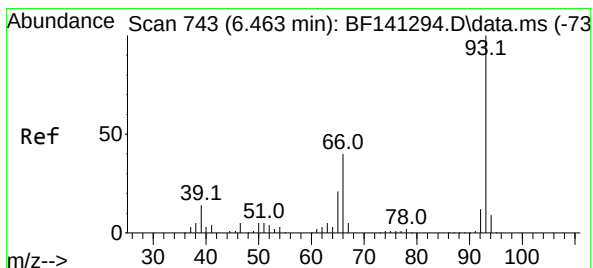
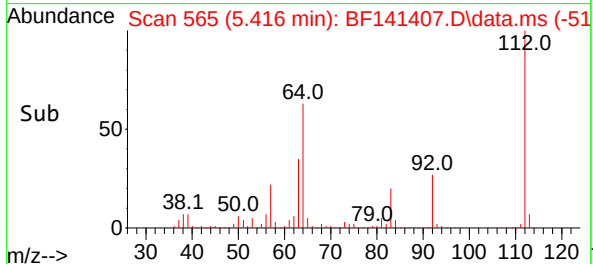
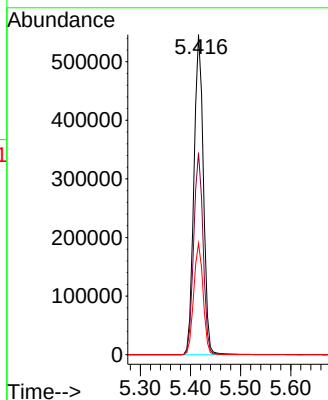
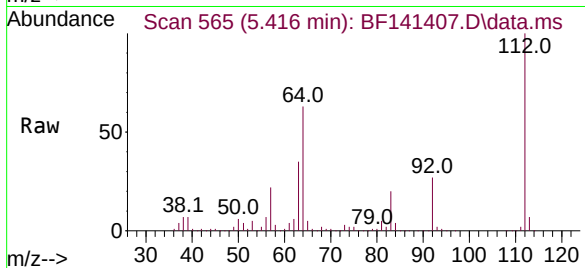




#5
2-Fluorophenol
Concen: 132.392 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

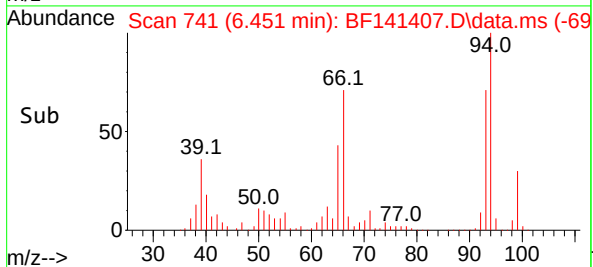
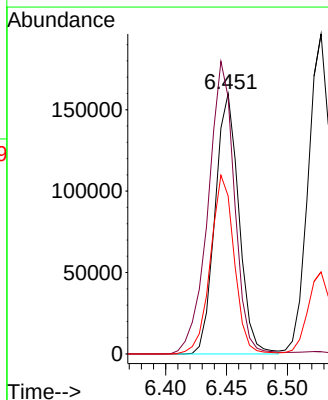
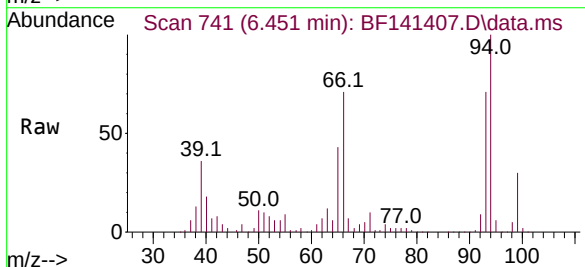
Instrument :
BNA_F
ClientSampleId :
PB166426BS

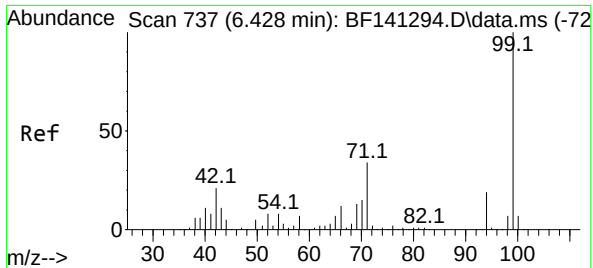
Tgt Ion:112 Resp: 713019
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 34.8 26.1 39.1



#6
Aniline
Concen: 37.466 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 93 Resp: 217287
Ion Ratio Lower Upper
93 100
66 98.7 32.5 48.7#
65 60.7 17.0 25.6#





#7

Phenol-d6

Concen: 127.377 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

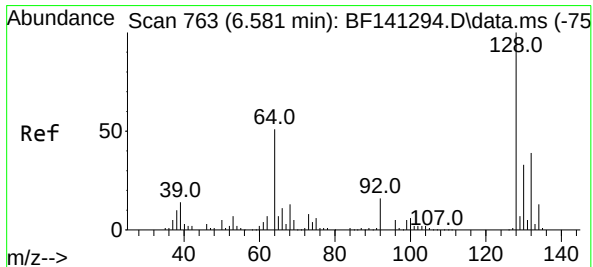
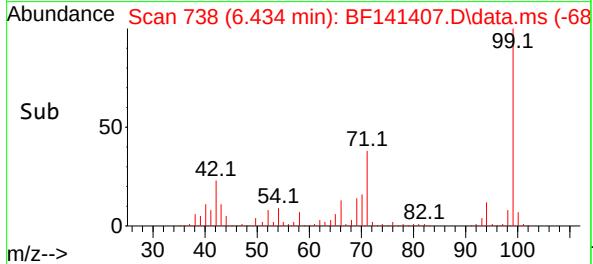
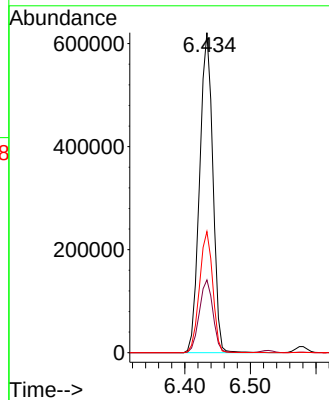
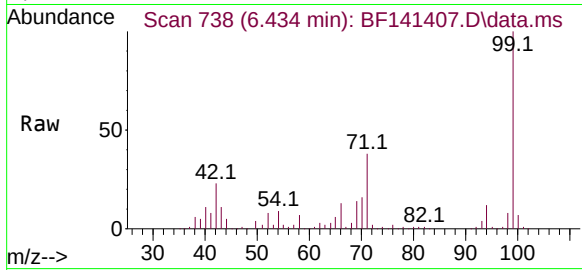
Tgt Ion: 99 Resp: 872692

Ion Ratio Lower Upper

99 100

42 22.7 17.1 25.7

71 37.8 26.9 40.3



#8

2-Chlorophenol

Concen: 48.166 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

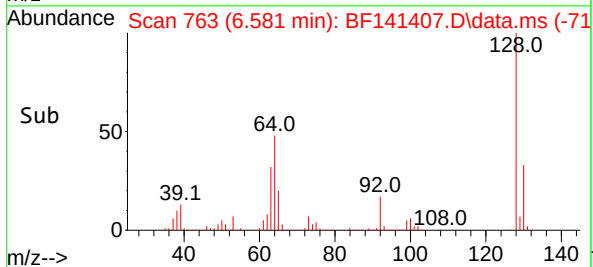
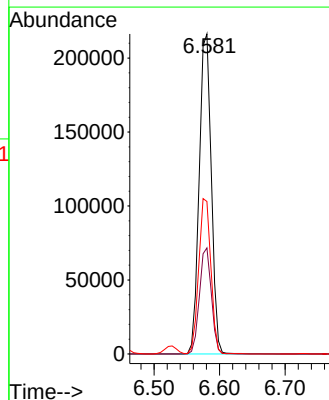
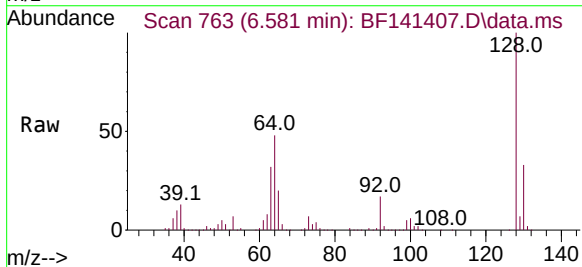
Tgt Ion:128 Resp: 278040

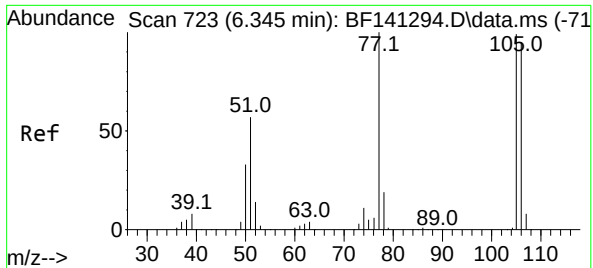
Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

64 47.7 32.9 72.9





#9

Benzaldehyde

Concen: 6.417 ng

RT: 6.334 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

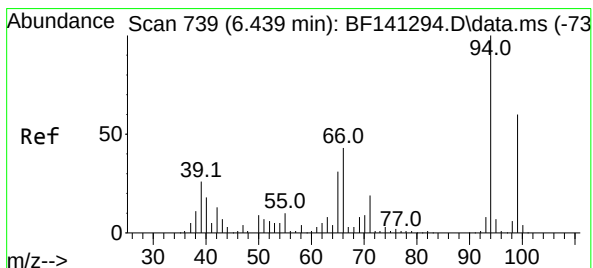
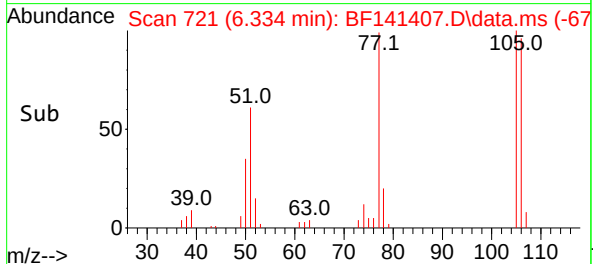
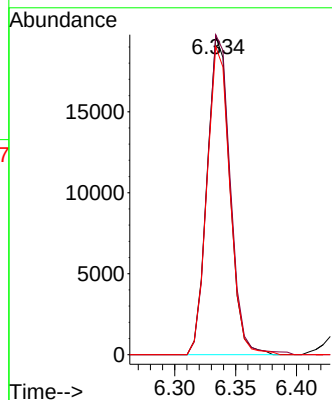
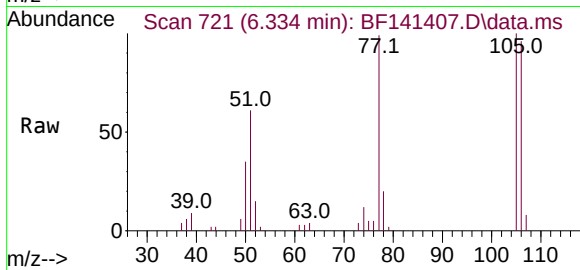
Tgt Ion: 77 Resp: 25465

Ion Ratio Lower Upper

77 100

105 100.6 79.4 119.4

106 96.8 74.6 114.6



#10

Phenol

Concen: 45.020 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

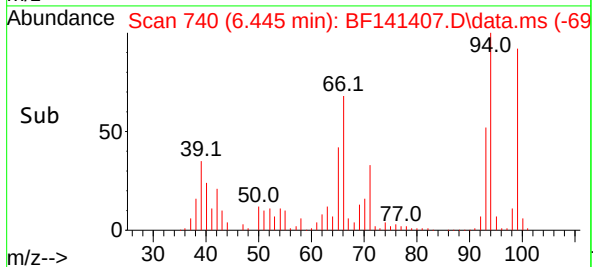
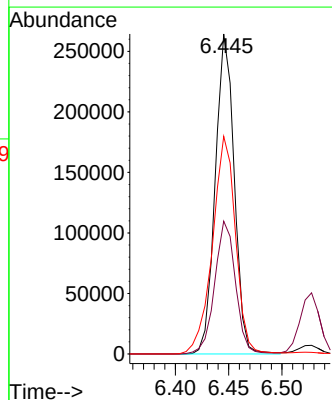
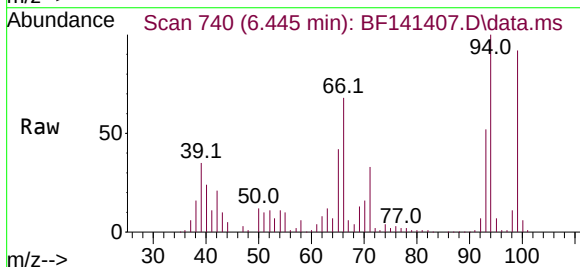
Tgt Ion: 94 Resp: 326970

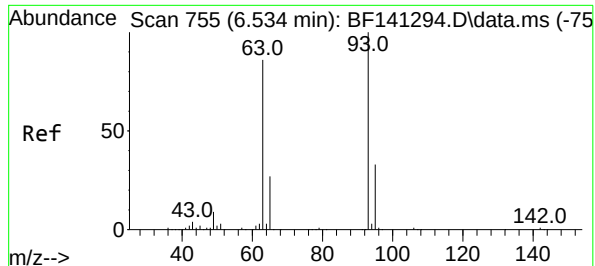
Ion Ratio Lower Upper

94 100

65 41.5 10.8 50.8

66 68.0 23.3 63.3#

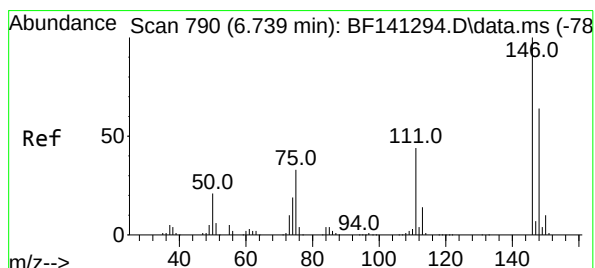
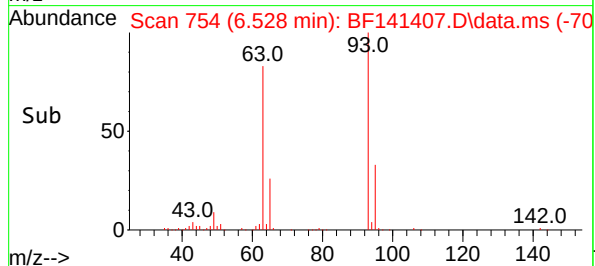
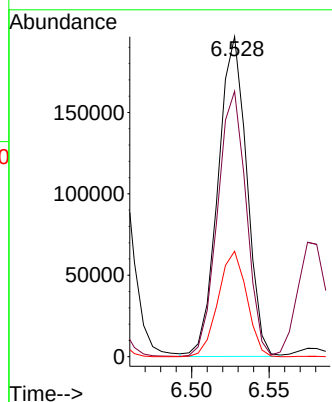
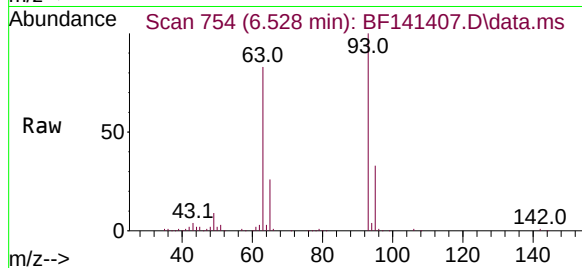




#11
bis(2-Chloroethyl)ether
Concen: 45.490 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

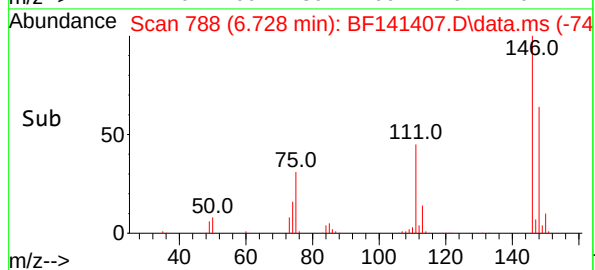
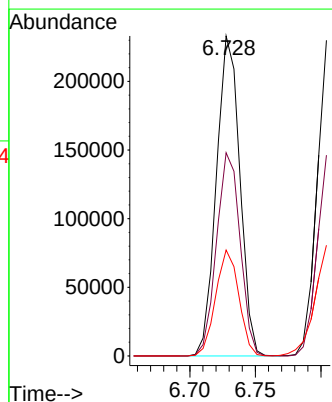
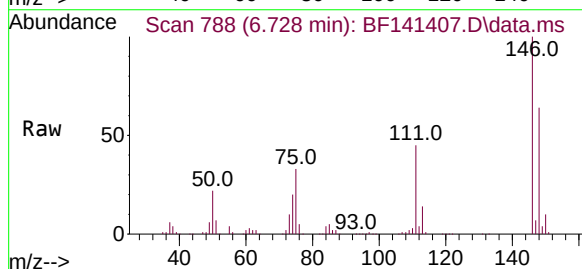
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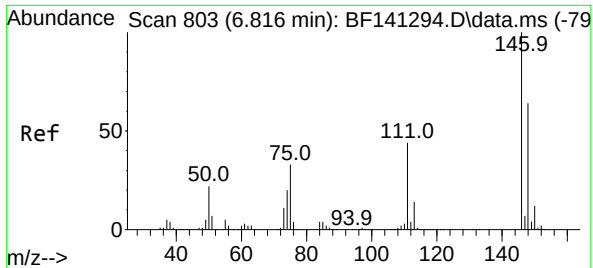
Tgt Ion: 93 Resp: 253314
Ion Ratio Lower Upper
93 100
63 83.0 65.0 105.0
95 33.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 45.456 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 146 Resp: 289320
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 33.1 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 45.469 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

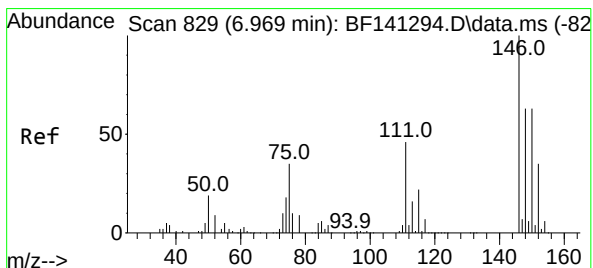
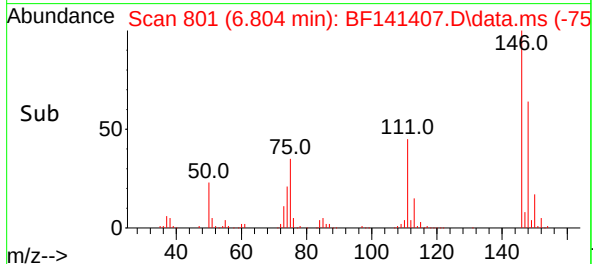
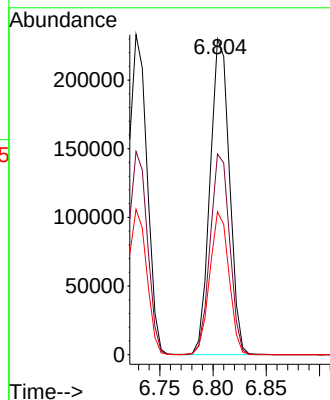
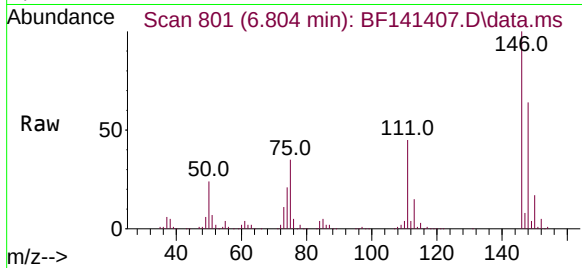
Tgt Ion:146 Resp: 290732

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

111 45.3 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 46.543 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

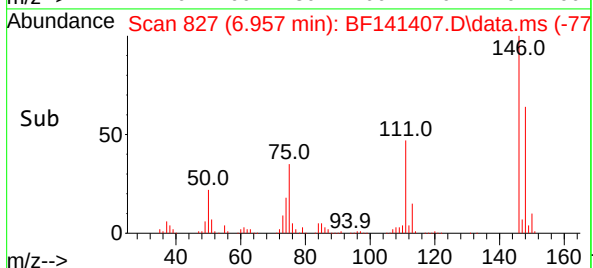
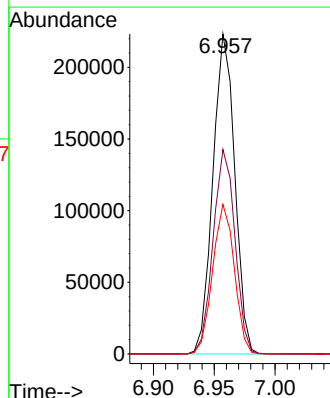
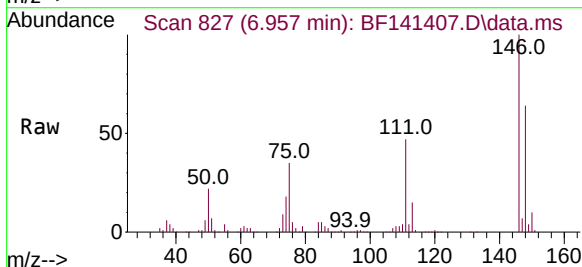
Tgt Ion:146 Resp: 278667

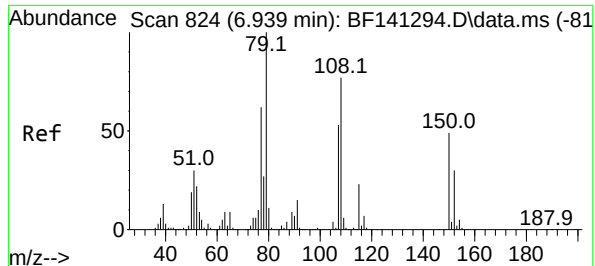
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 46.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 52.066 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

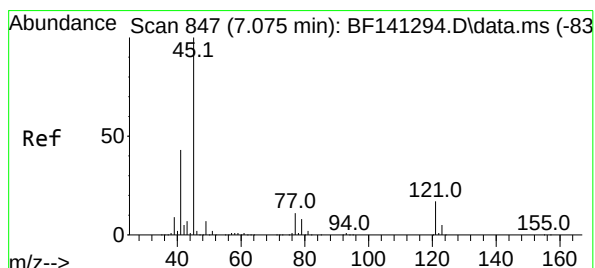
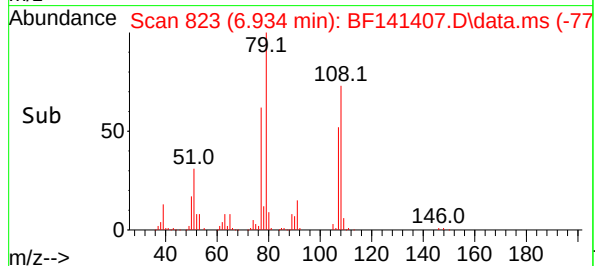
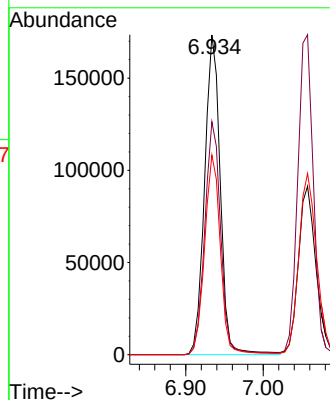
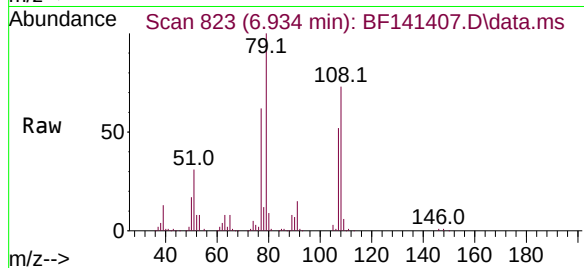
Tgt Ion: 79 Resp: 243779

Ion Ratio Lower Upper

79 100

108 72.9 61.4 92.0

77 62.5 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.914 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

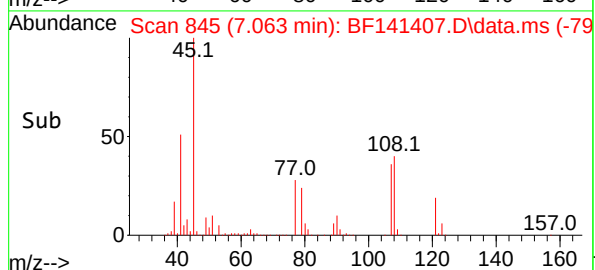
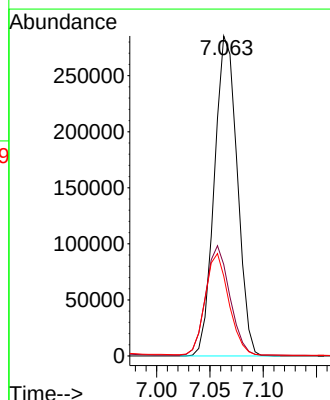
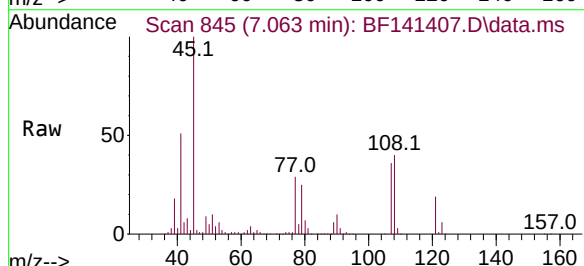
Tgt Ion: 45 Resp: 425235

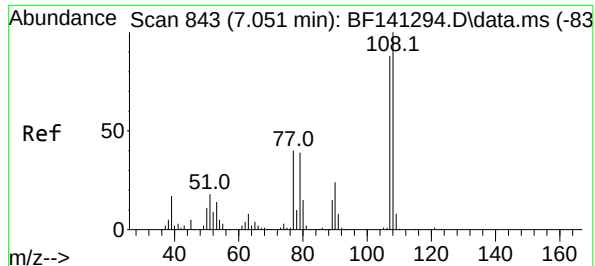
Ion Ratio Lower Upper

45 100

77 28.6 0.0 31.8

79 25.0 0.0 29.1

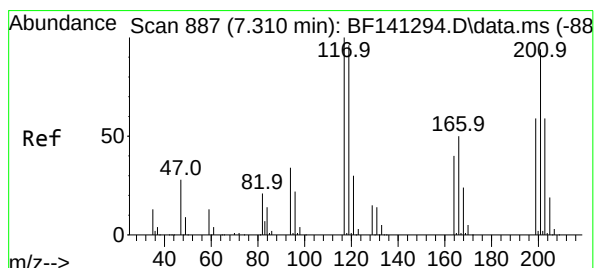
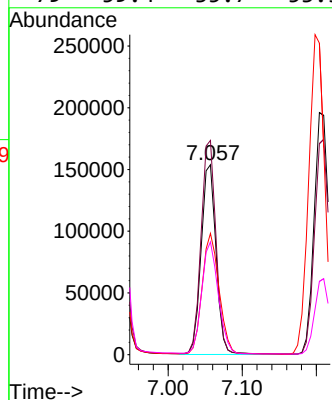
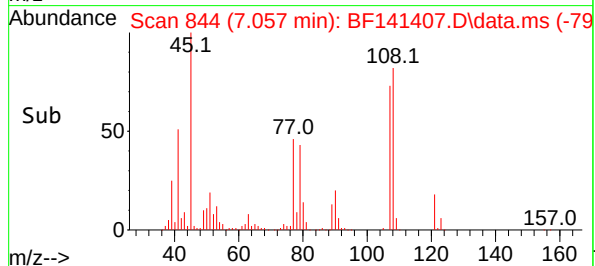
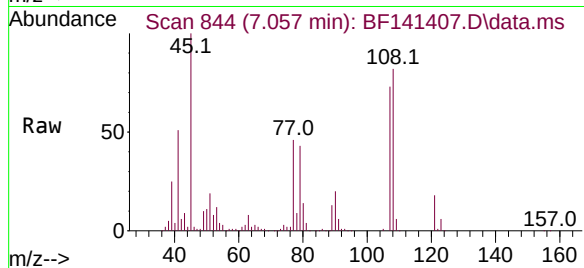




#17
2-Methylphenol
Concen: 45.900 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

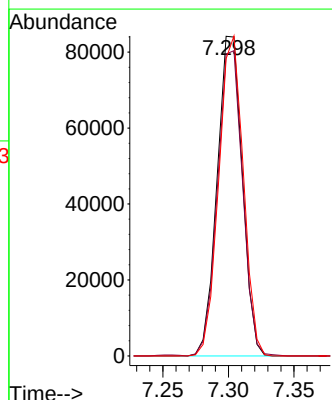
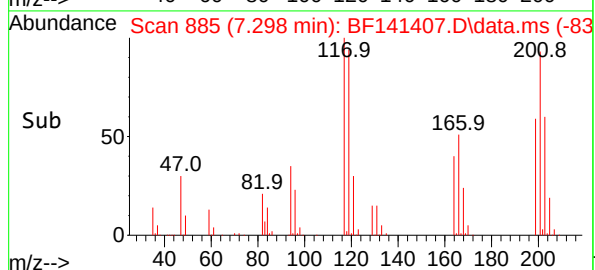
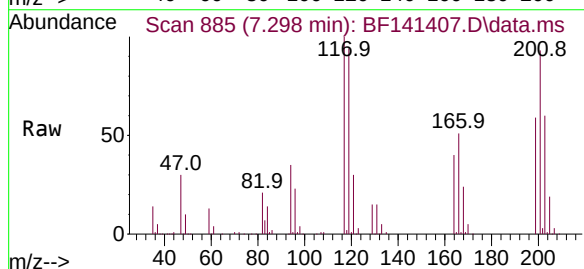
Instrument :
BNA_F
ClientSampleId :
PB166426BS

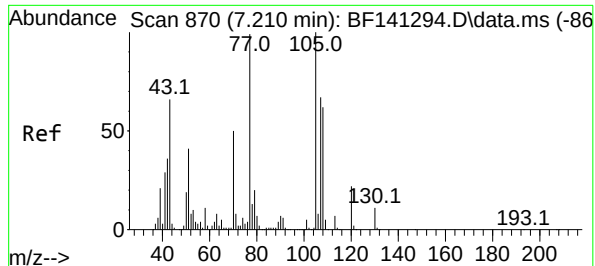
Tgt Ion:107 Resp: 215340
Ion Ratio Lower Upper
107 100
108 112.8 90.8 136.2
77 63.9 36.2 54.4#
79 59.4 35.7 53.5#



#18
Hexachloroethane
Concen: 47.515 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:117 Resp: 112078
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 93.0 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.250 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.024 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

Tgt Ion: 70 Resp: 192355

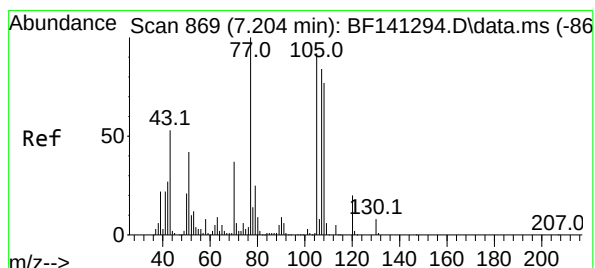
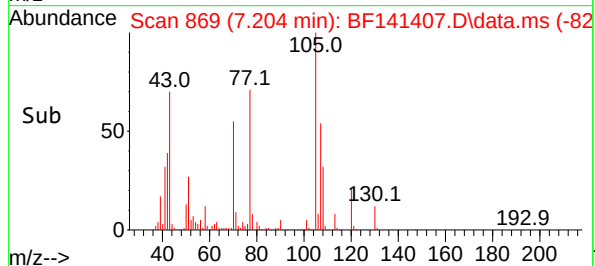
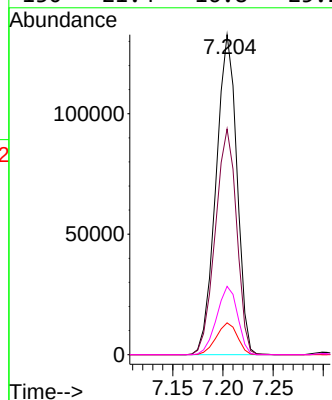
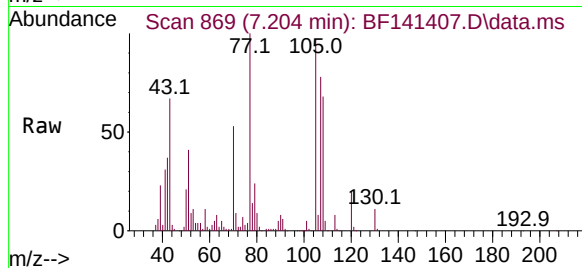
Ion Ratio Lower Upper

70 100

42 70.6 56.8 85.2

101 9.9 7.7 11.5

130 21.4 16.8 25.2



#20

3+4-Methylphenols

Concen: 48.376 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion: 107 Resp: 278667

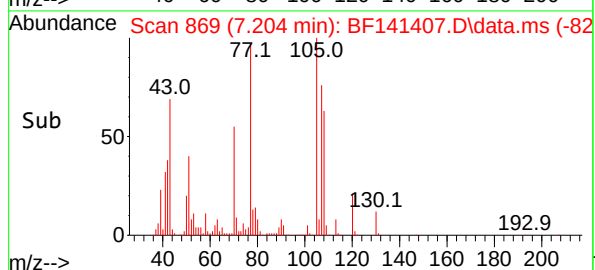
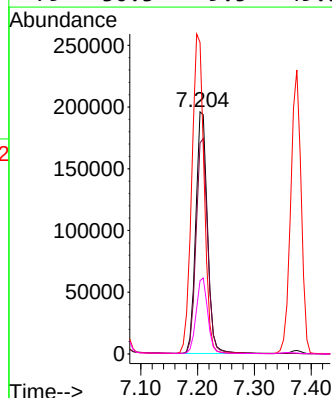
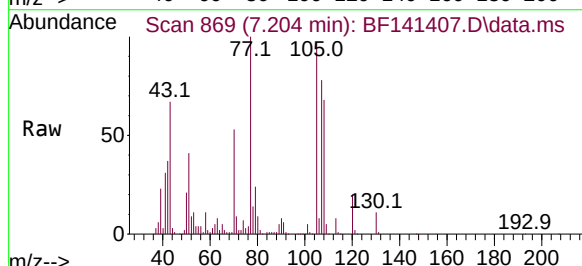
Ion Ratio Lower Upper

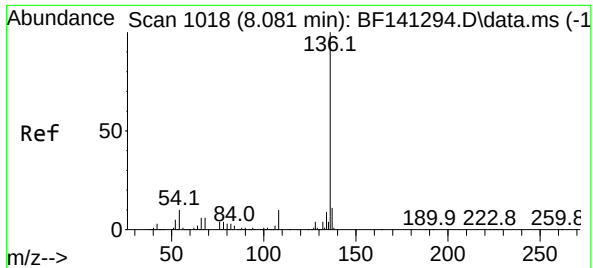
107 100

108 87.2 70.9 110.9

77 128.7 98.5 138.5

79 30.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141407.D

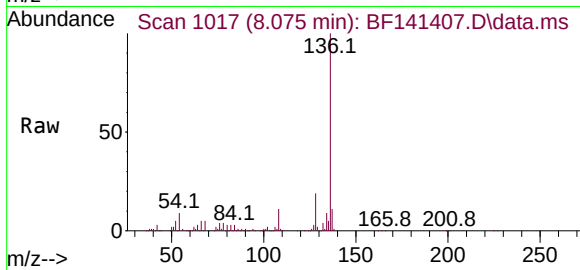
Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS



Tgt Ion:136 Resp: 331184

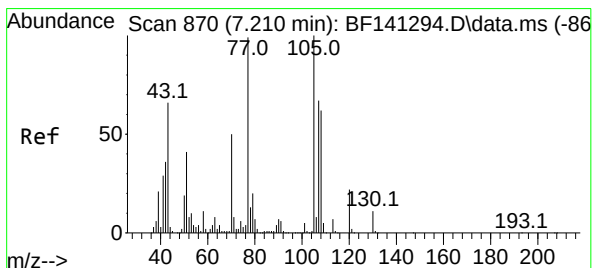
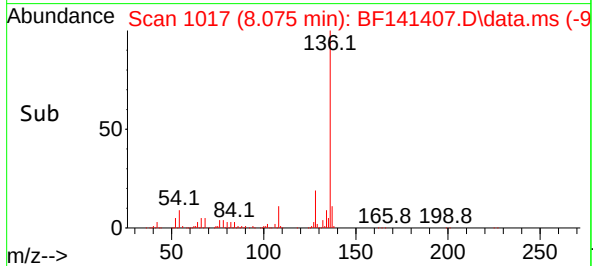
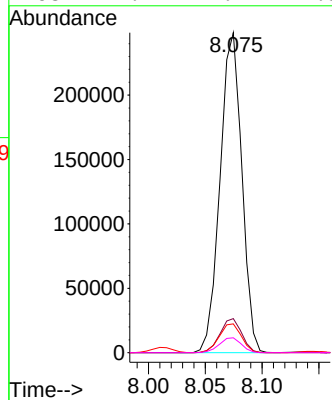
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 9.0 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 49.197 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion:105 Resp: 387286

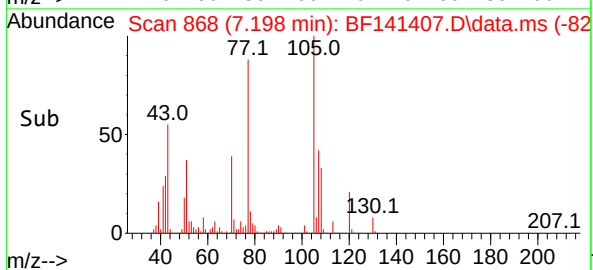
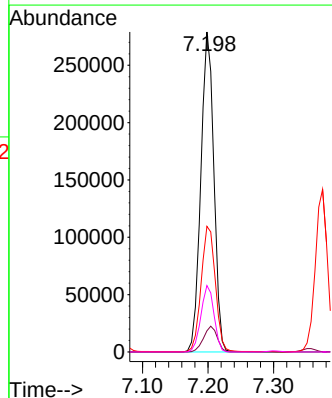
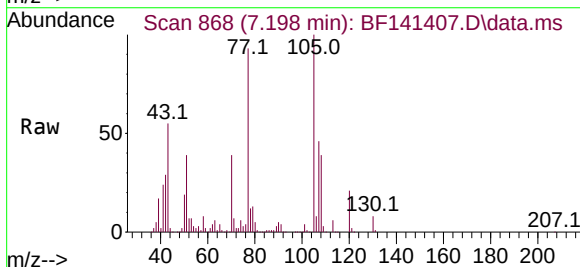
Ion Ratio Lower Upper

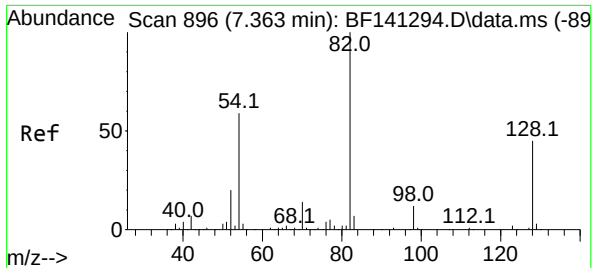
105 100

71 6.6 6.8 10.2#

51 39.2 32.6 49.0

120 20.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.213 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

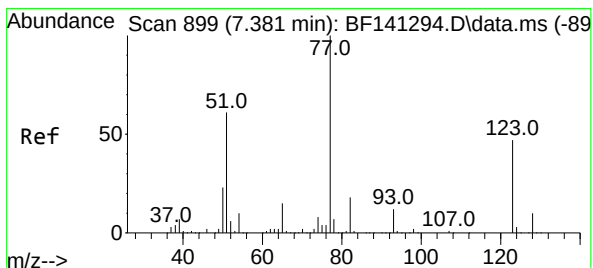
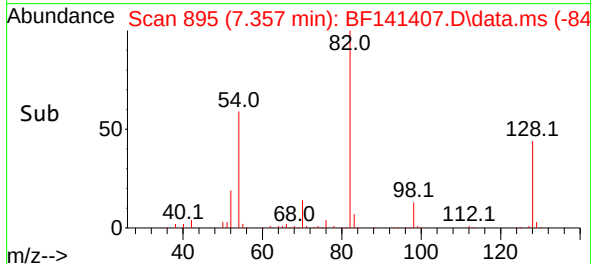
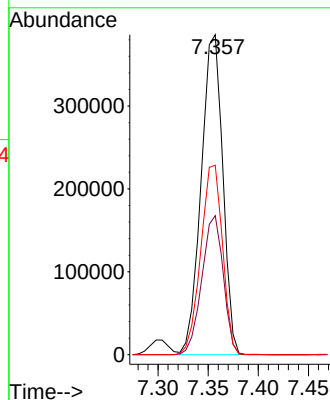
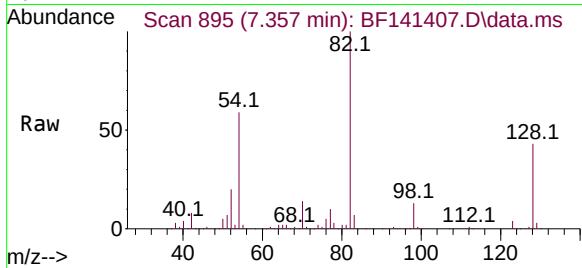
Tgt Ion: 82 Resp: 579317

Ion Ratio Lower Upper

82 100

128 43.5 35.7 53.5

54 59.2 47.1 70.7



#24

Nitrobenzene

Concen: 44.851 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

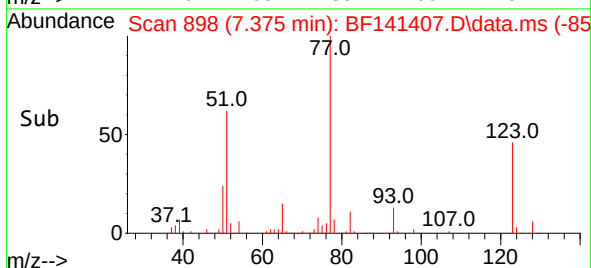
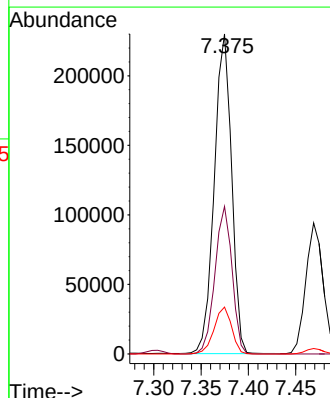
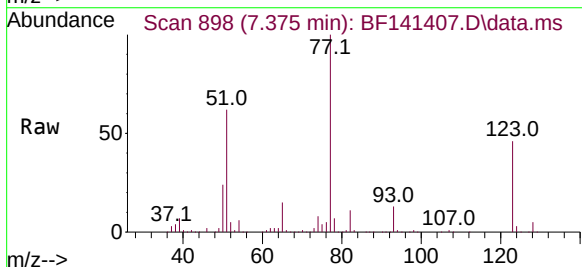
Tgt Ion: 77 Resp: 291997

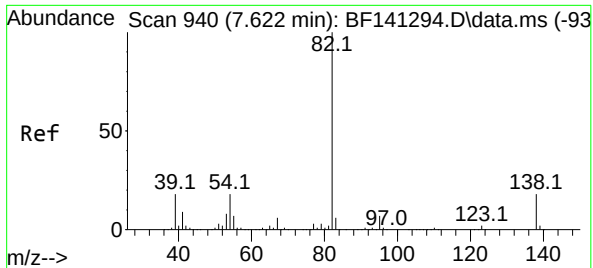
Ion Ratio Lower Upper

77 100

123 46.1 37.3 55.9

65 14.7 11.8 17.6

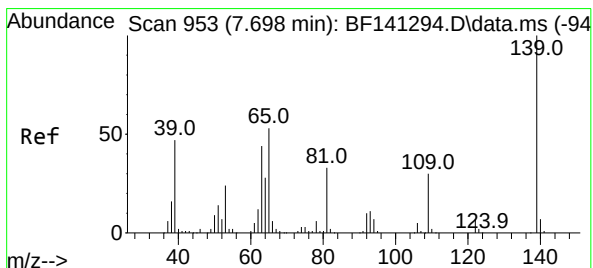
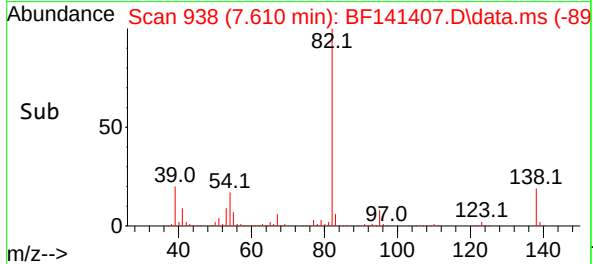
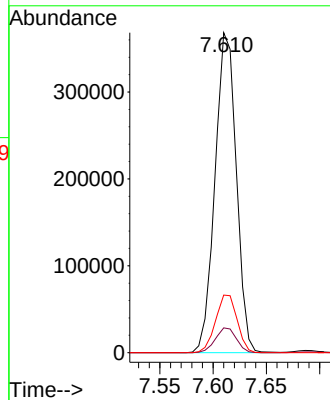
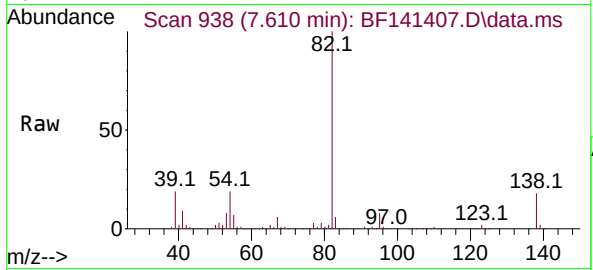




#25
Isophorone
Concen: 47.166 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

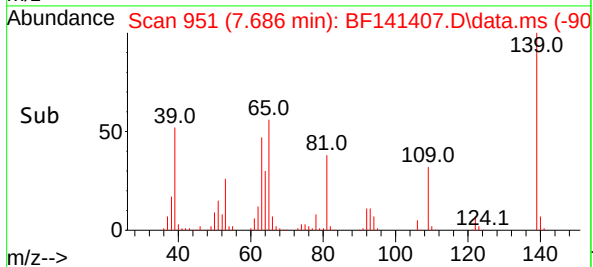
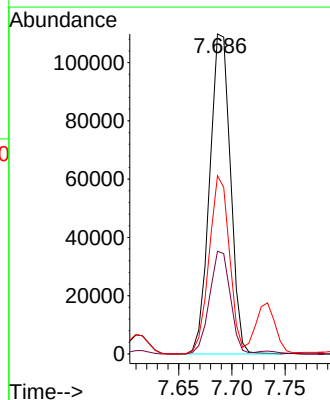
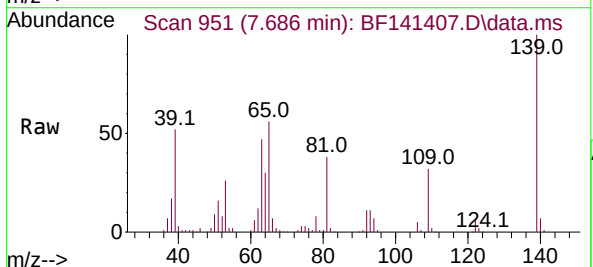
Instrument :
BNA_F
ClientSampleId :
PB166426BS

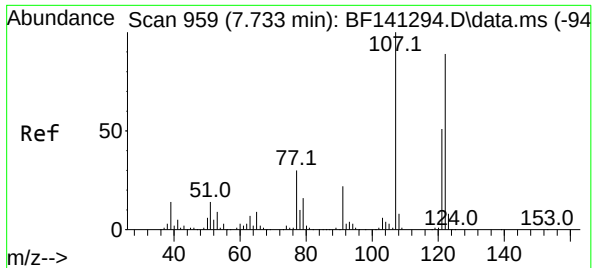
Tgt Ion: 82 Resp: 512208
Ion Ratio Lower Upper
82 100
95 7.7 5.8 8.6
138 18.0 14.7 22.1



#26
2-Nitrophenol
Concen: 48.573 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:139 Resp: 149139
Ion Ratio Lower Upper
139 100
109 32.1 23.8 35.6
65 55.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.835 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

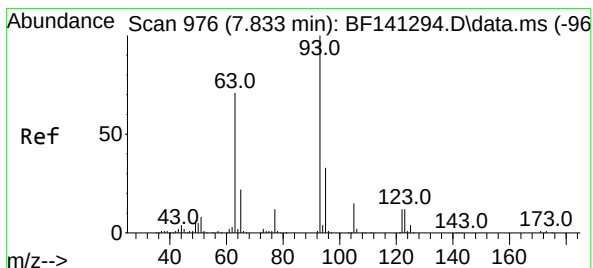
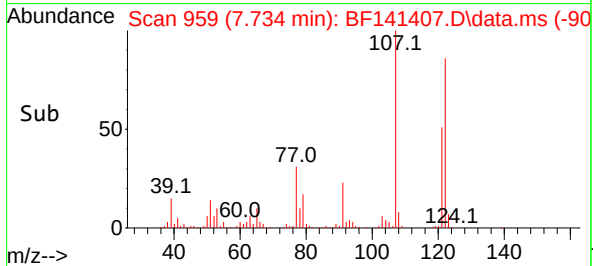
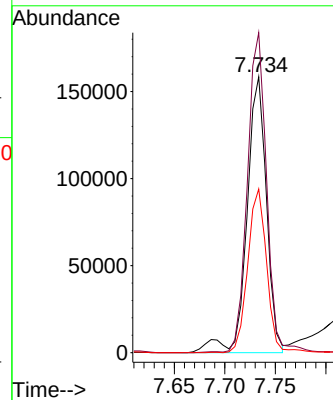
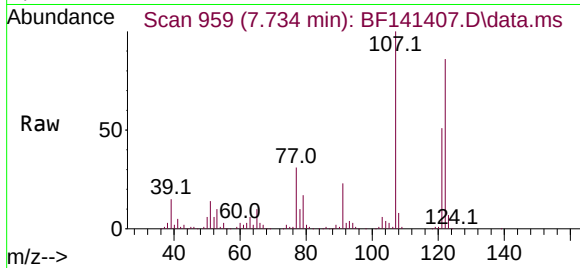
Tgt Ion:122 Resp: 214302

Ion Ratio Lower Upper

122 100

107 116.0 89.9 134.9

121 59.3 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 45.013 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

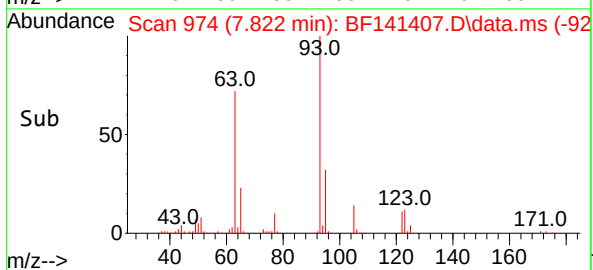
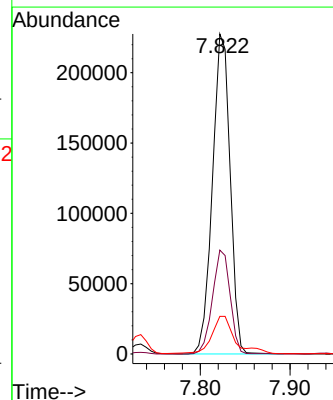
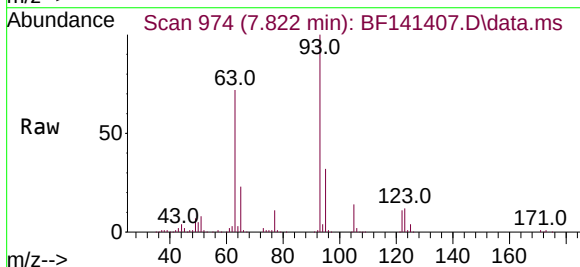
Tgt Ion: 93 Resp: 311809

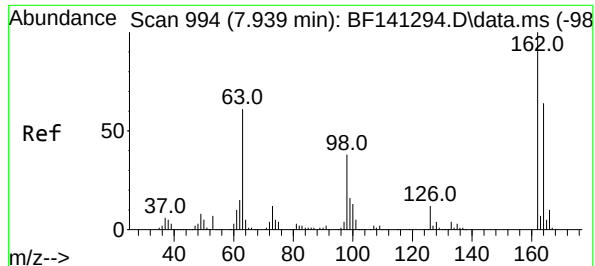
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.802 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

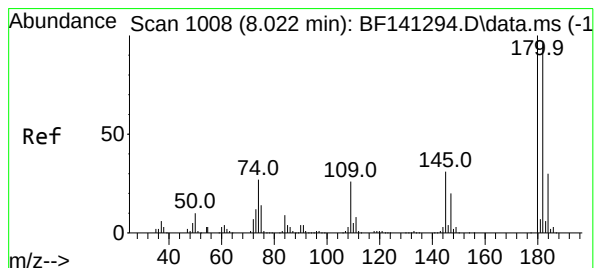
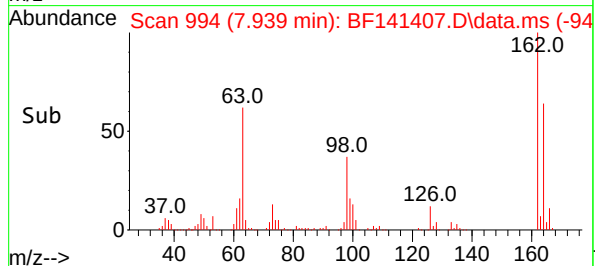
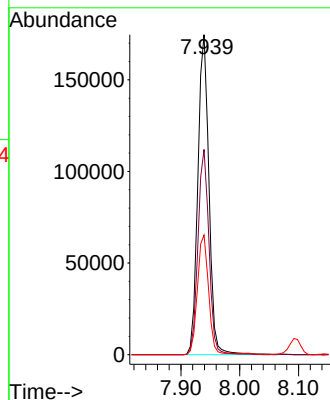
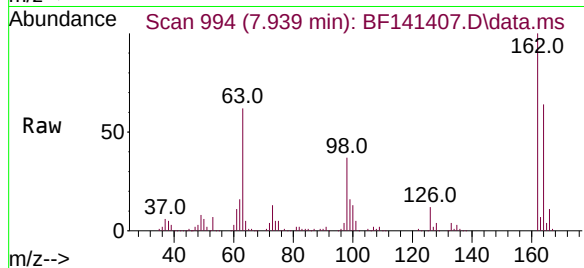
Tgt Ion:162 Resp: 228705

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.4 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 44.333 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

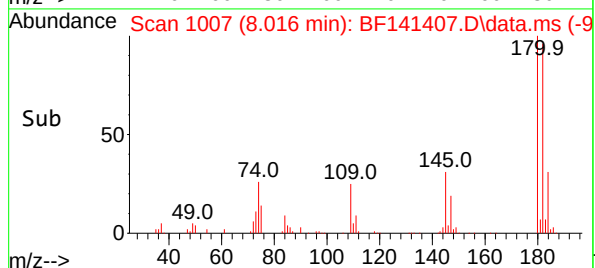
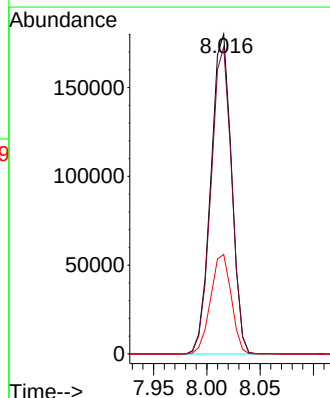
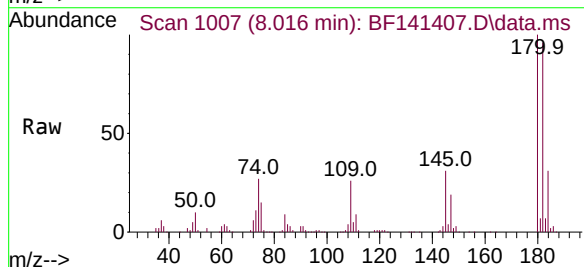
Tgt Ion:180 Resp: 242234

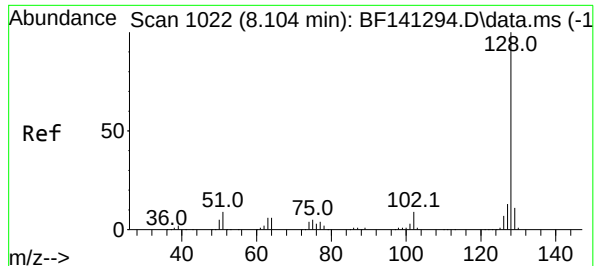
Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 45.673 ng

RT: 8.092 min Scan# 10

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

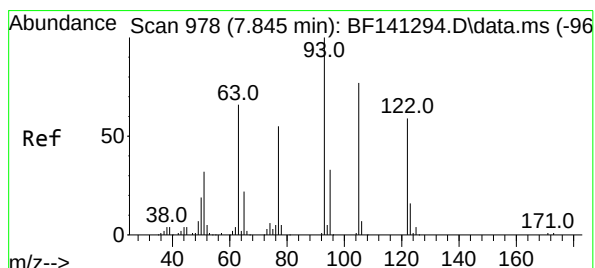
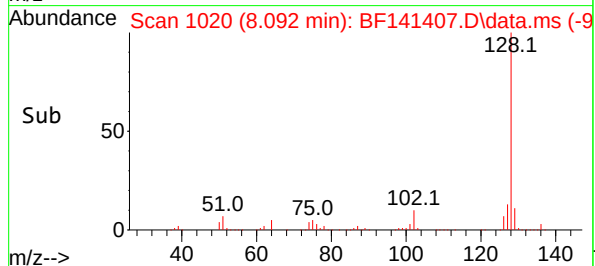
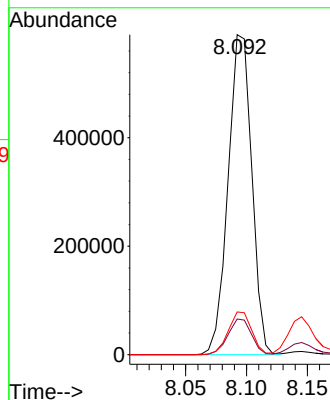
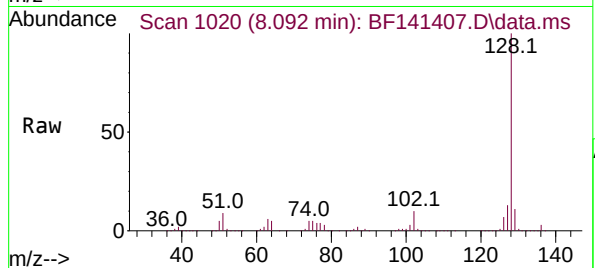
Tgt Ion:128 Resp: 799068

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.4 10.6 15.8



#32

Benzoic acid

Concen: 48.396 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

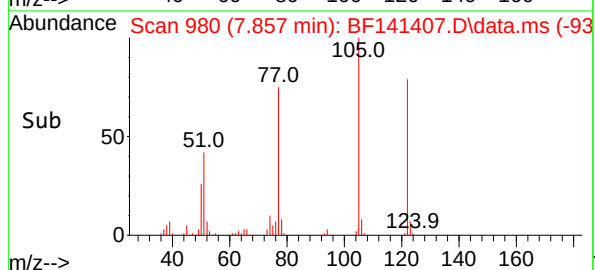
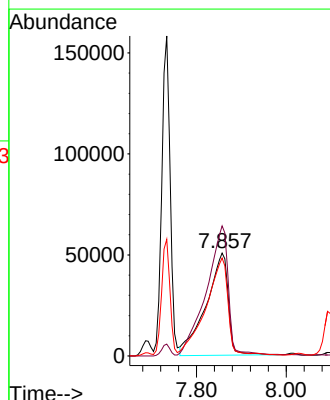
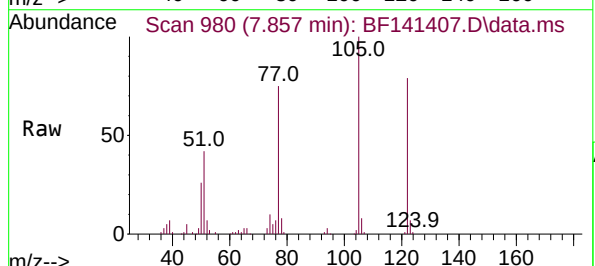
Tgt Ion:122 Resp: 173870

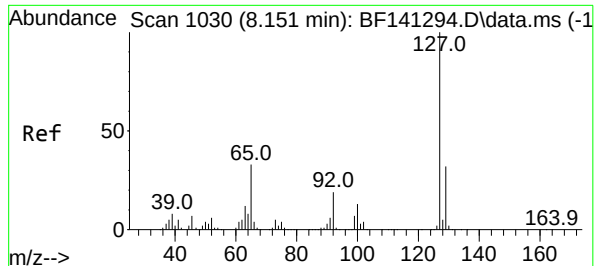
Ion Ratio Lower Upper

122 100

105 126.5 103.4 143.4

77 95.1 70.9 110.9

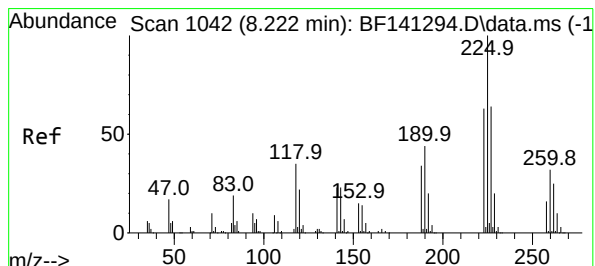
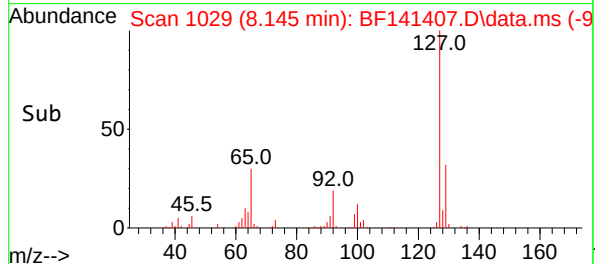
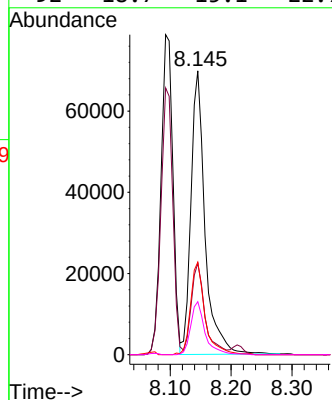
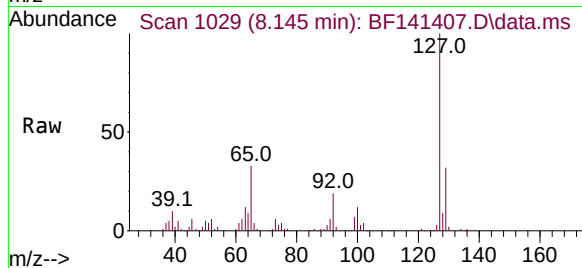




#33
4-Chloroaniline
Concen: 18.861 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

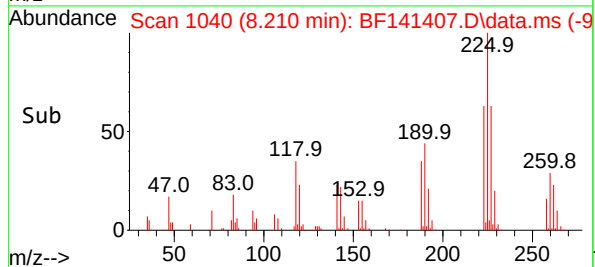
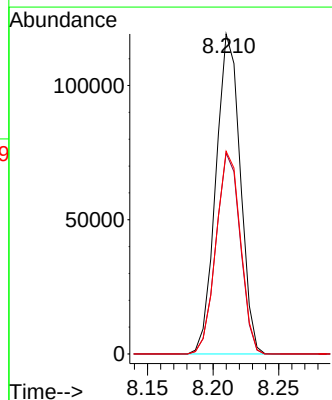
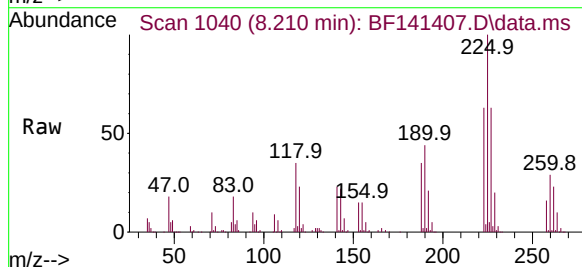
Instrument :
BNA_F
ClientSampleId :
PB166426BS

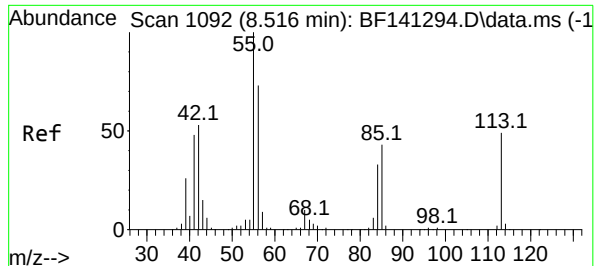
Tgt Ion:	127	Resp:	111900
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	32.6	26.4	39.6
92	18.7	15.1	22.7



#34
Hexachlorobutadiene
Concen: 47.999 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:	225	Resp:	153801
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	63.4	51.3	76.9





#35

Caprolactam

Concen: 45.688 ng m

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

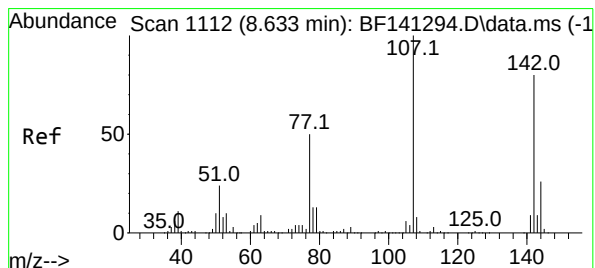
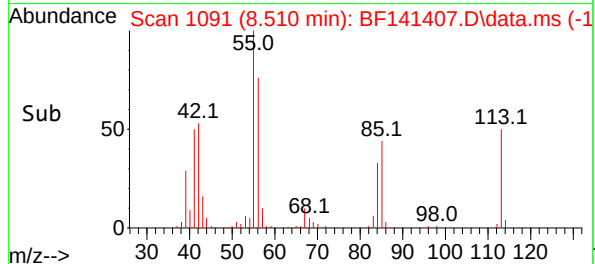
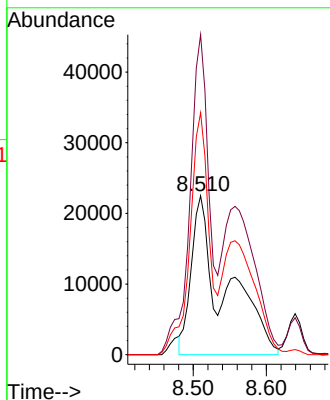
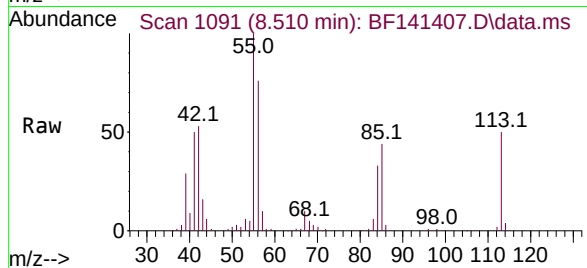
Tgt Ion:113 Resp: 71389

Ion Ratio Lower Upper

113 100

55 201.4 182.9 222.9

56 152.2 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 49.256 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

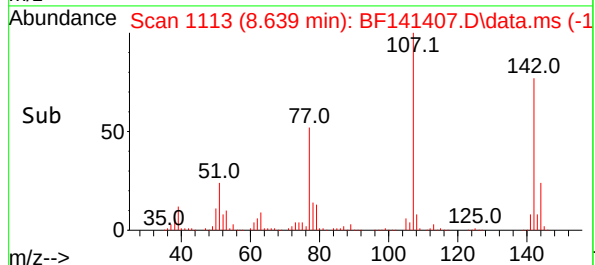
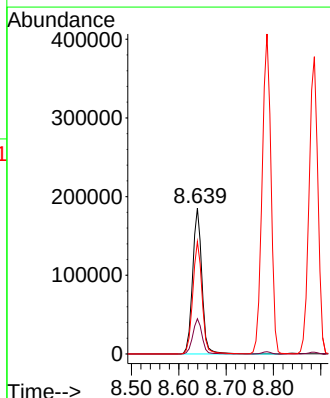
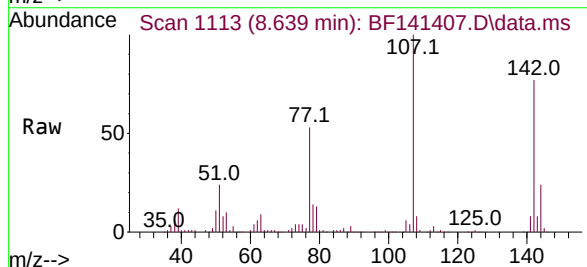
Tgt Ion:107 Resp: 252782

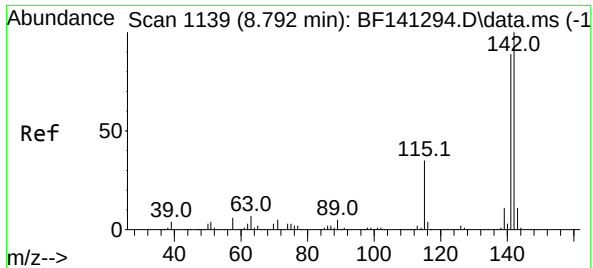
Ion Ratio Lower Upper

107 100

144 24.1 20.7 31.1

142 77.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 47.126 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

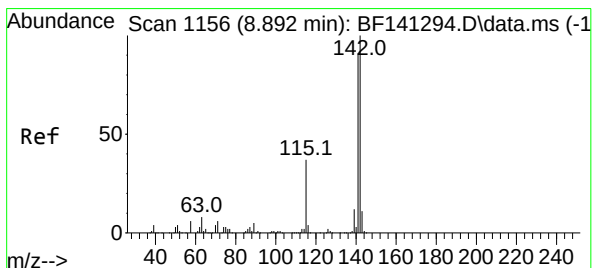
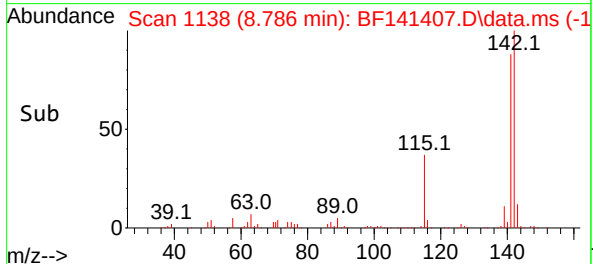
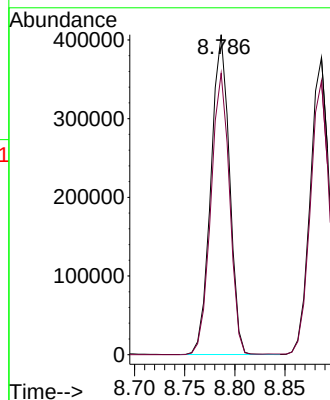
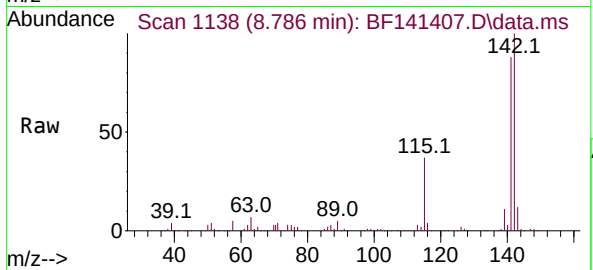
PB166426BS

Tgt Ion:142 Resp: 524031

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 44.732 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141407.D

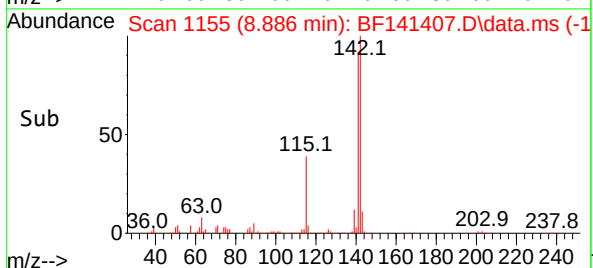
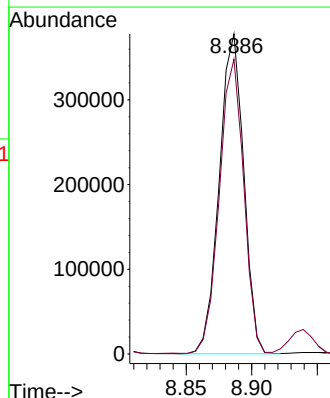
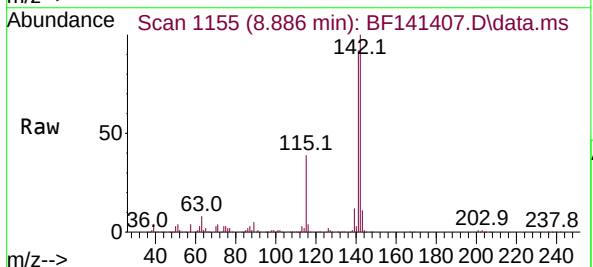
Acq: 04 Feb 2025 14:39

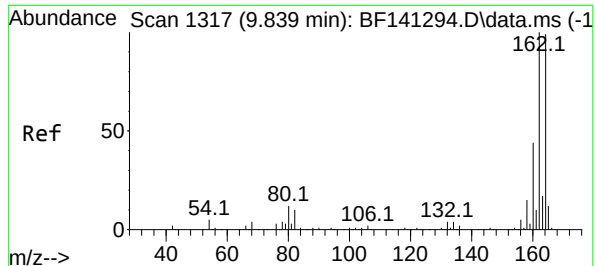
Tgt Ion:142 Resp: 488613

Ion Ratio Lower Upper

142 100

141 92.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

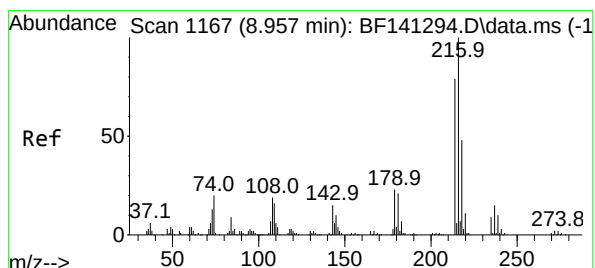
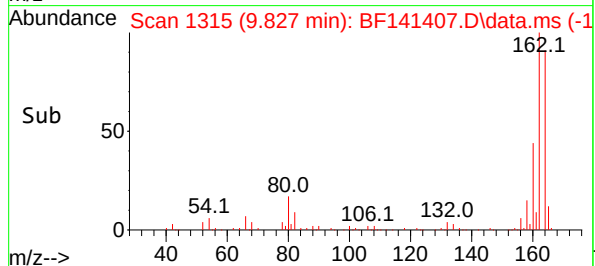
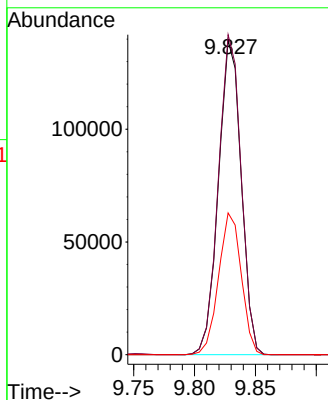
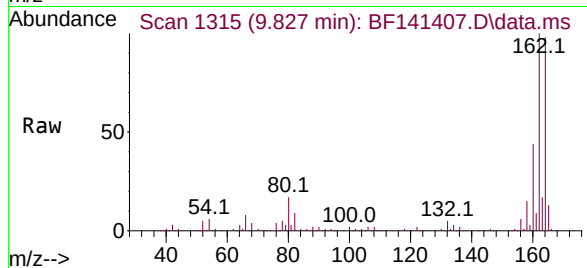
Tgt Ion:164 Resp: 180993

Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

160 45.1 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.415 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion:216 Resp: 244141

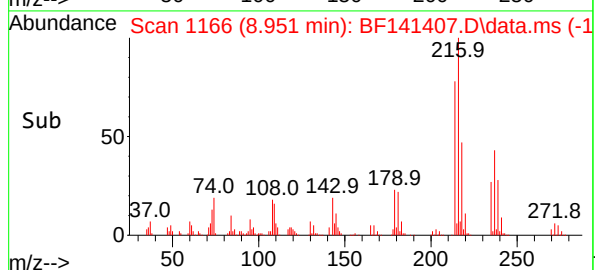
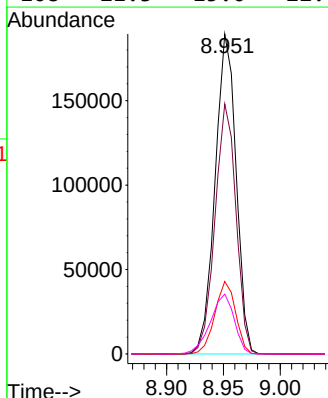
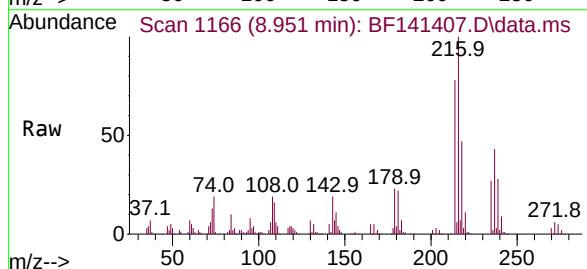
Ion Ratio Lower Upper

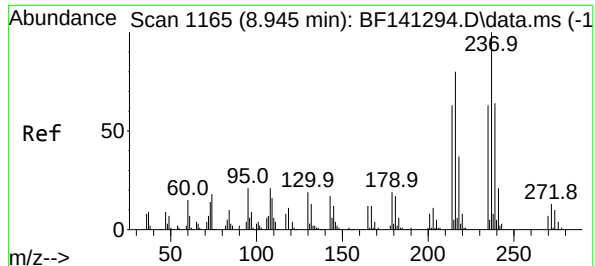
216 100

214 77.9 63.2 94.8

179 22.5 17.8 26.8

108 21.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 192.529 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

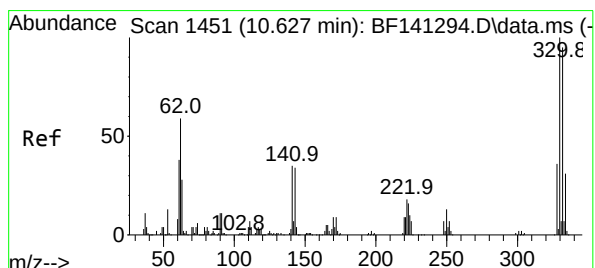
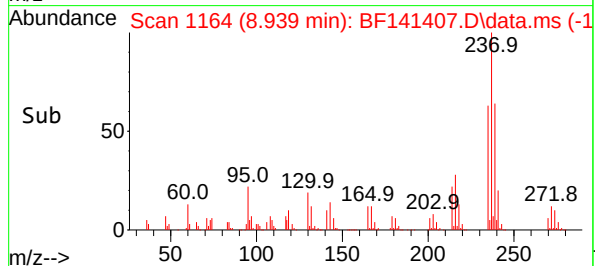
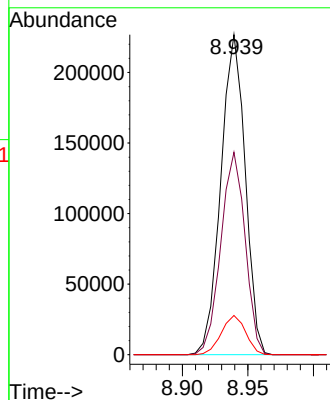
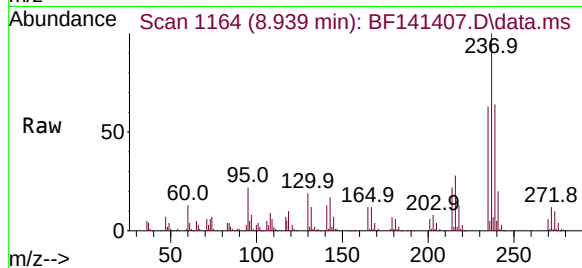
Tgt Ion:237 Resp: 292771

Ion Ratio Lower Upper

237 100

235 63.3 42.9 82.9

272 12.2 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 153.605 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

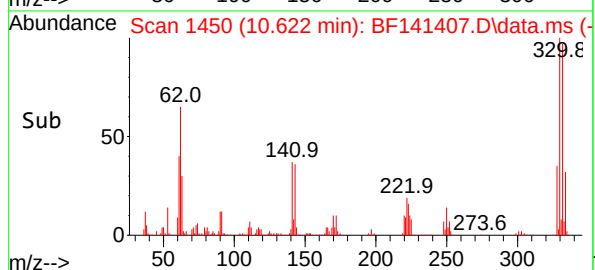
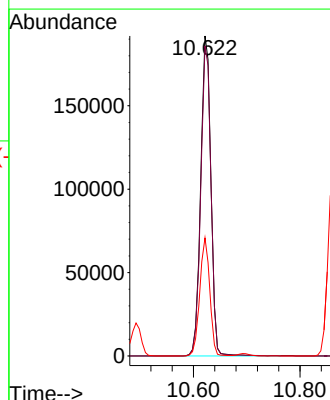
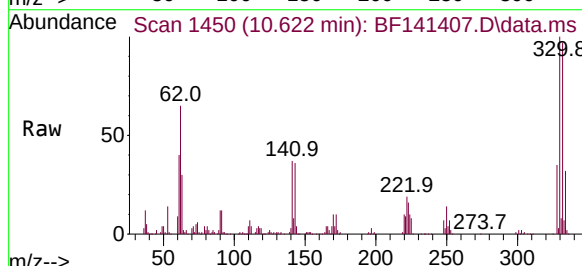
Tgt Ion:330 Resp: 254875

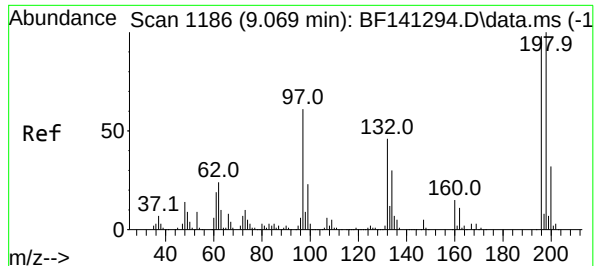
Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

141 36.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 48.807 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

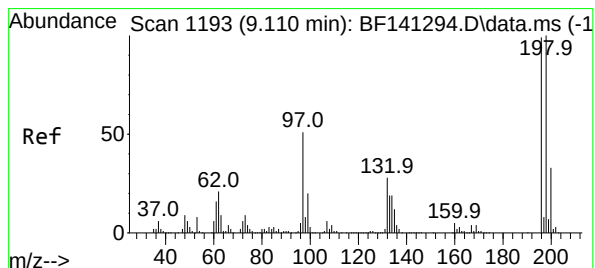
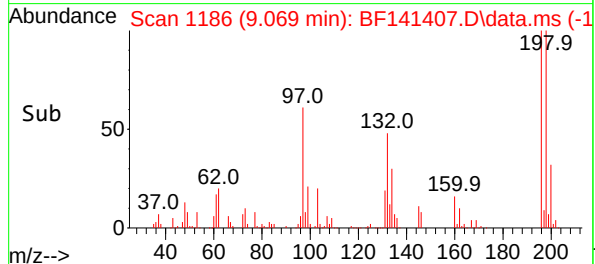
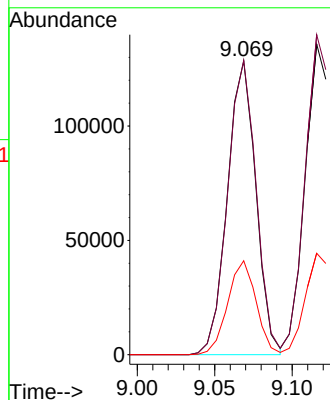
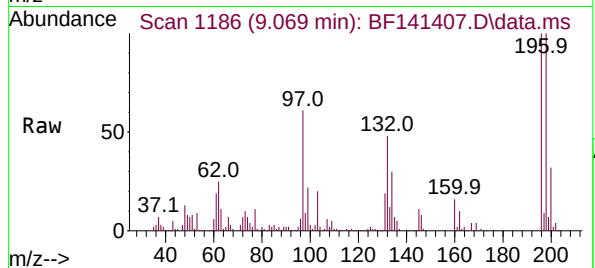
Tgt Ion:196 Resp: 164492

Ion Ratio Lower Upper

196 100

198 100.3 81.8 122.6

200 32.0 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 47.278 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Tgt Ion:196 Resp: 173420

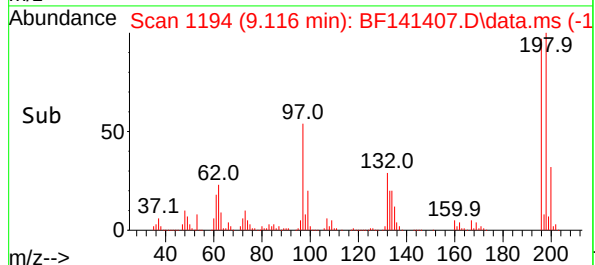
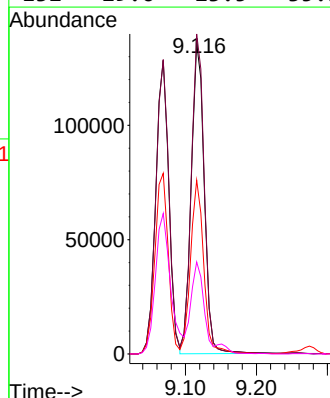
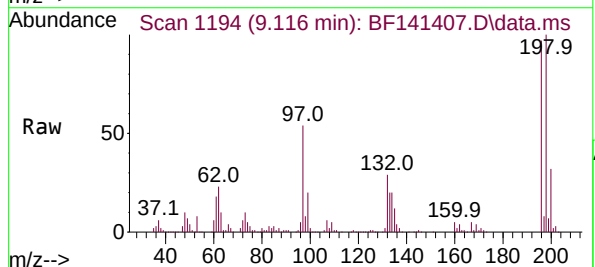
Ion Ratio Lower Upper

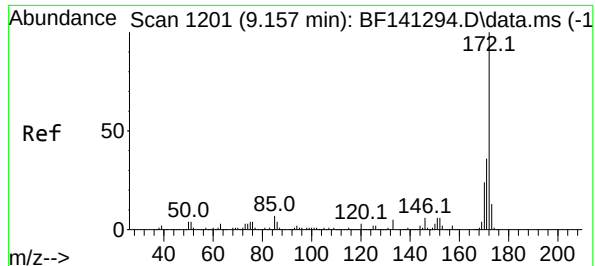
196 100

198 103.0 80.5 120.7

97 56.0 42.8 64.2

132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 93.511 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

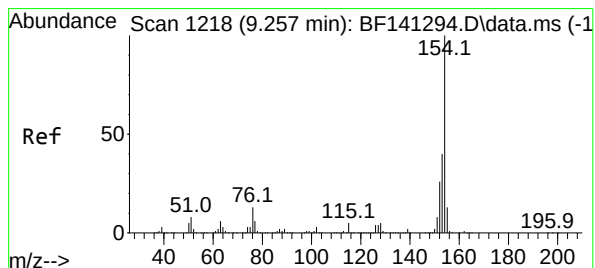
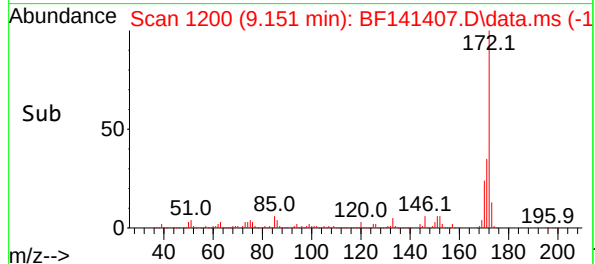
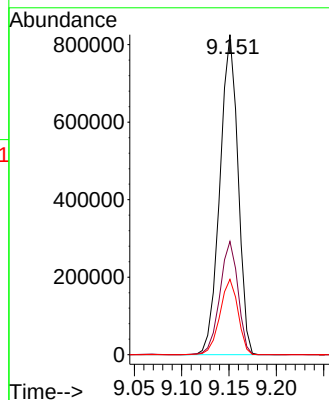
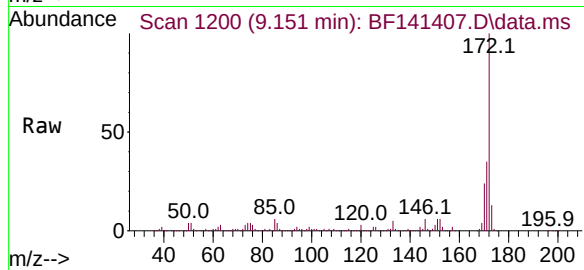
Tgt Ion:172 Resp: 1099591

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 46.471 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

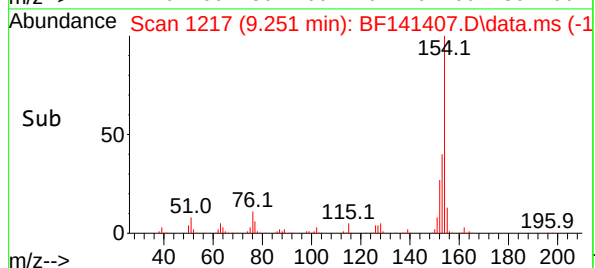
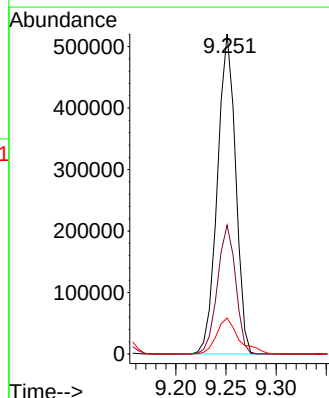
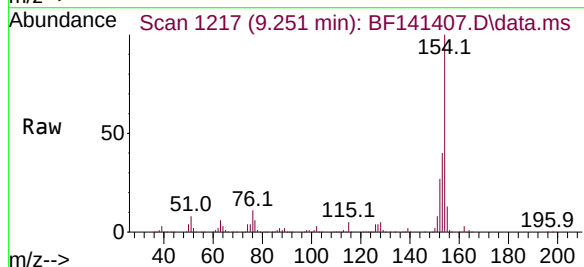
Tgt Ion:154 Resp: 655951

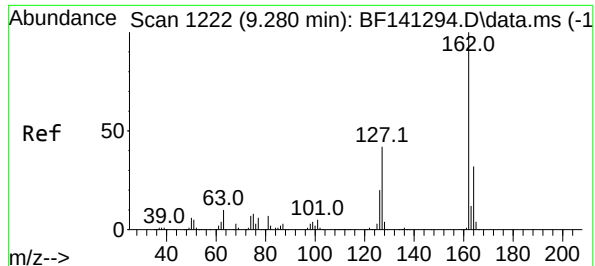
Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

76 11.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 44.496 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

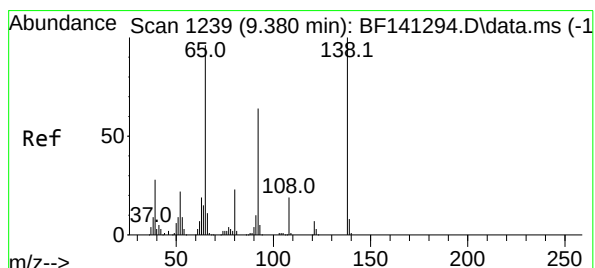
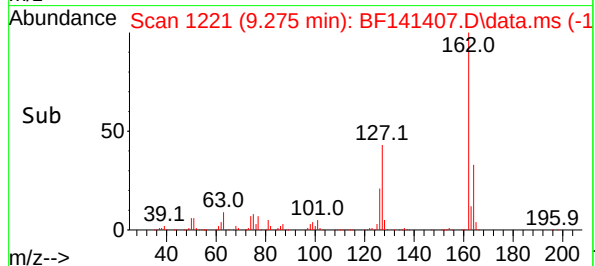
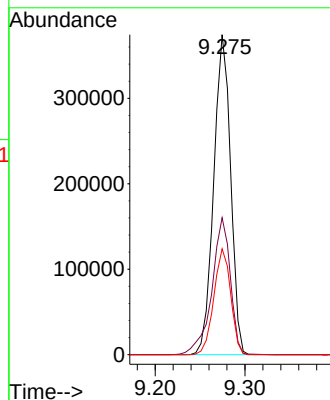
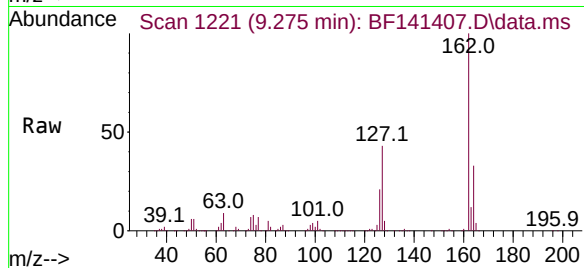
Tgt Ion:162 Resp: 489548

Ion Ratio Lower Upper

162 100

127 42.8 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 49.205 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

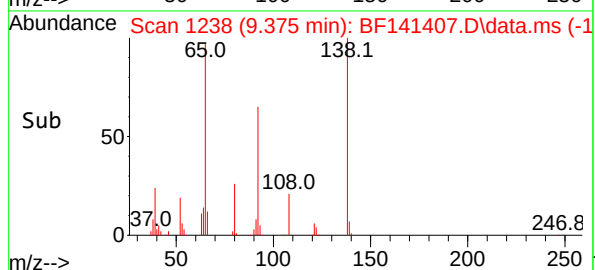
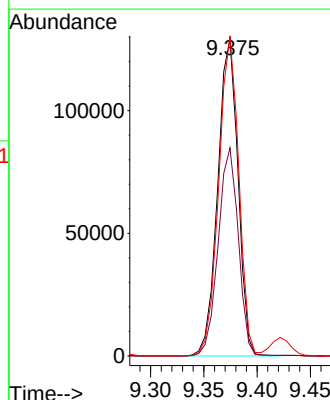
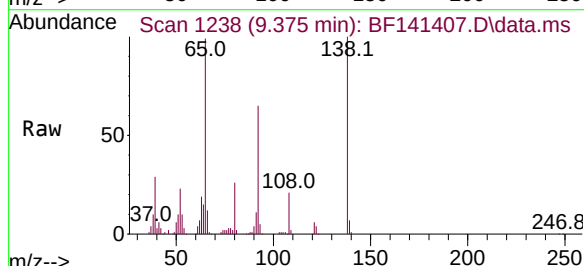
Tgt Ion: 65 Resp: 170280

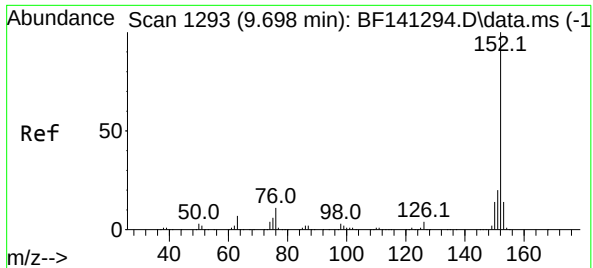
Ion Ratio Lower Upper

65 100

92 65.7 53.3 79.9

138 101.0 83.6 125.4





#49

Acenaphthylene

Concen: 49.410 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

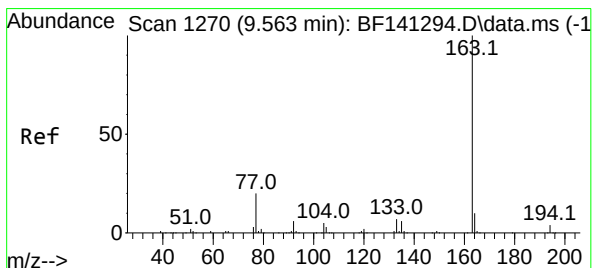
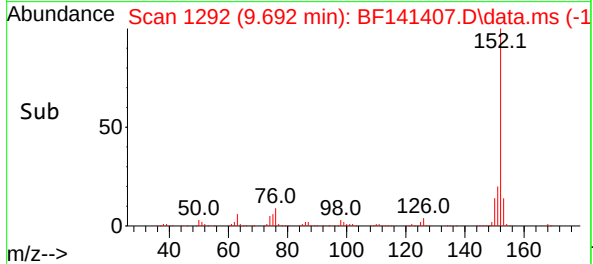
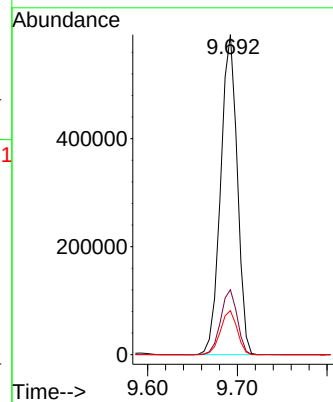
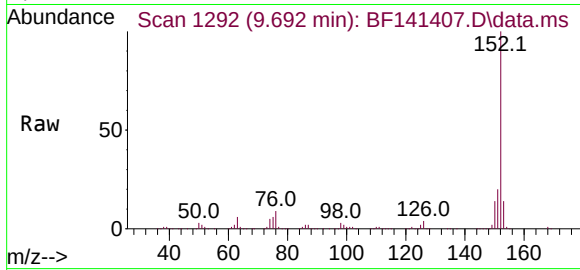
Tgt Ion:152 Resp: 760954

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.8 11.0 16.6



#50

Dimethylphthalate

Concen: 48.572 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

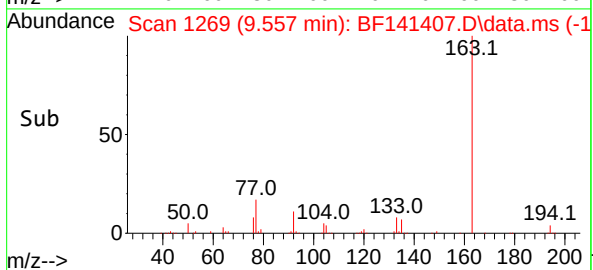
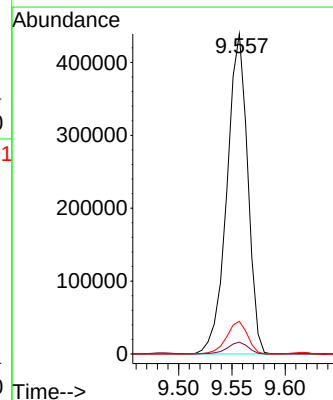
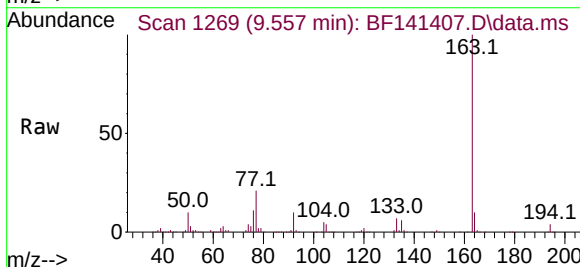
Tgt Ion:163 Resp: 593755

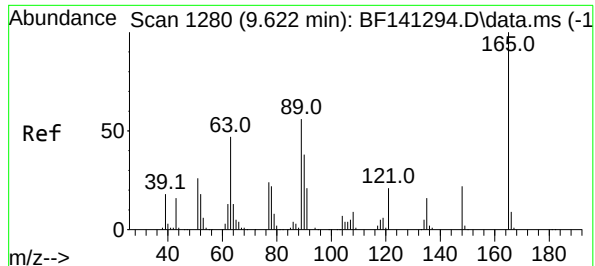
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 46.808 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

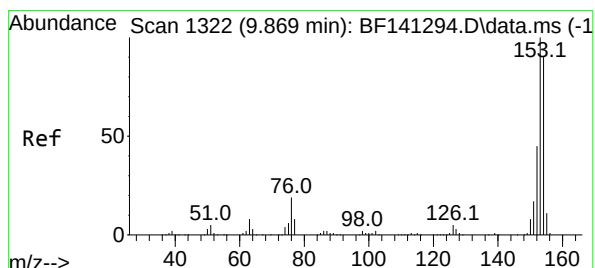
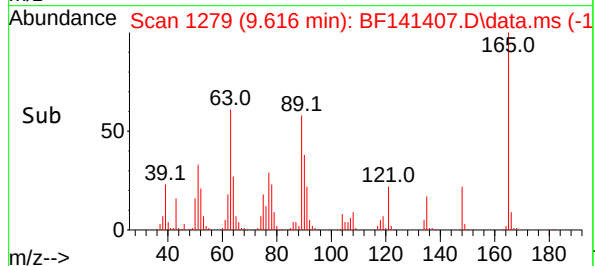
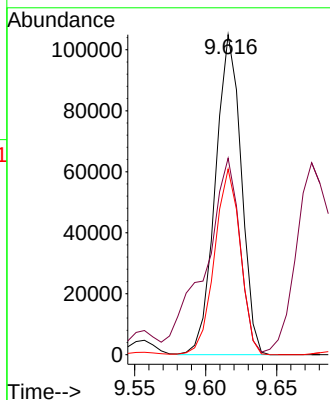
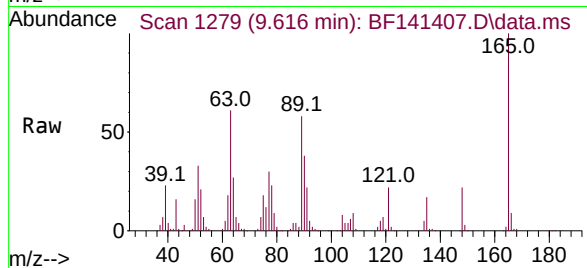
Tgt Ion:165 Resp: 132856

Ion Ratio Lower Upper

165 100

63 61.4 48.1 72.1

89 58.0 44.9 67.3



#52

Acenaphthene

Concen: 53.779 ng m

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

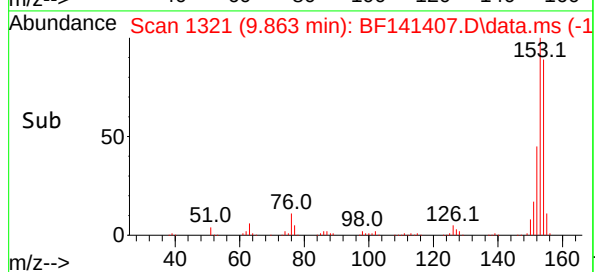
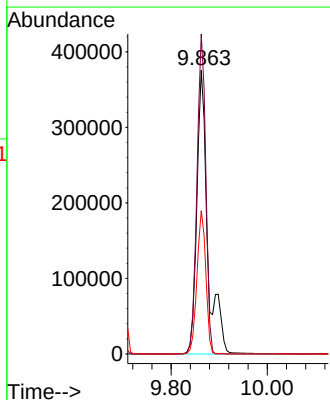
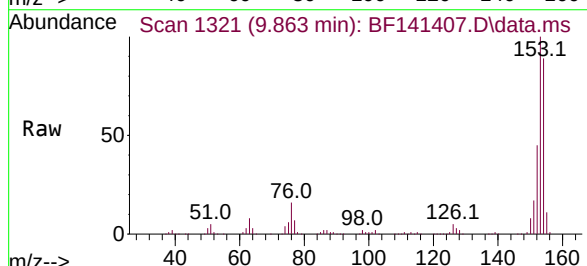
Tgt Ion:154 Resp: 591701

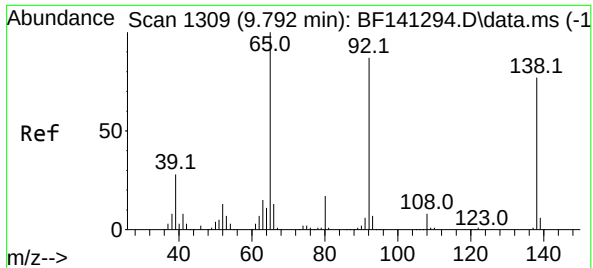
Ion Ratio Lower Upper

154 100

153 112.8 89.0 133.4

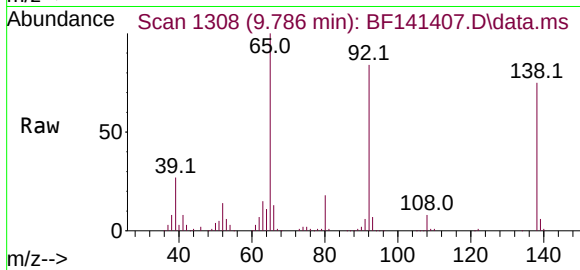
152 50.5 40.2 60.4



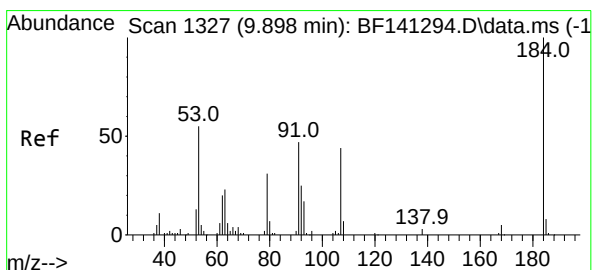
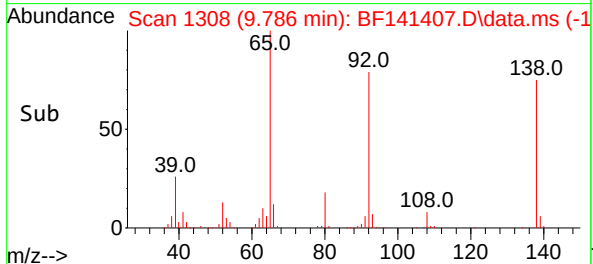
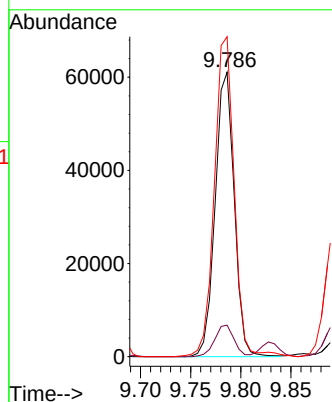


#53
3-Nitroaniline
Concen: 29.013 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Instrument :
BNA_F
ClientSampleId :
PB166426BS

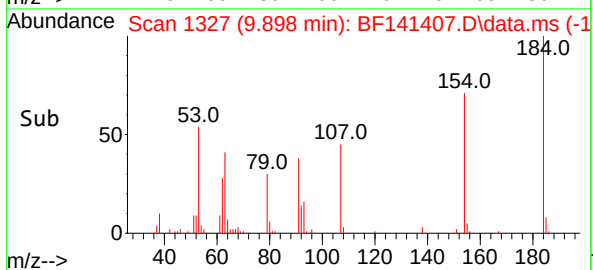
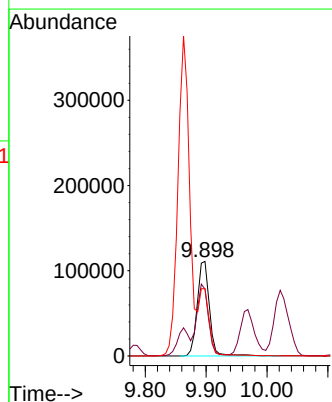
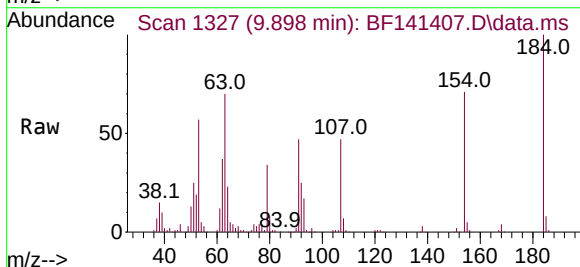


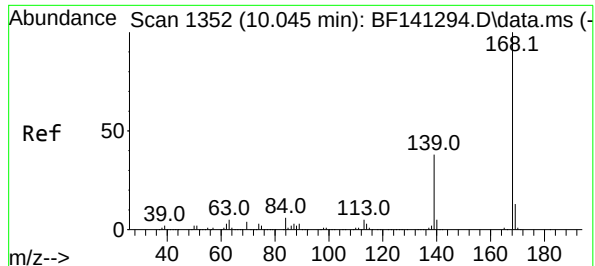
Tgt Ion:138 Resp: 80709
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 112.5 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 117.244 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:184 Resp: 154693
Ion Ratio Lower Upper
184 100
63 70.5 54.1 81.1
154 71.2 50.7 76.1





#55

Dibenzenofuran

Concen: 47.547 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

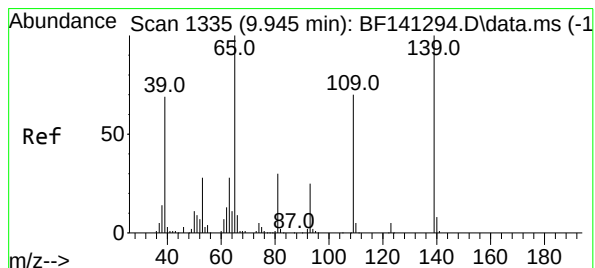
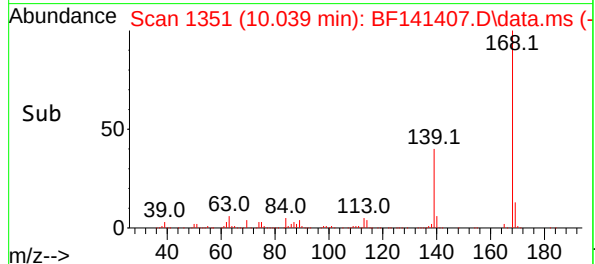
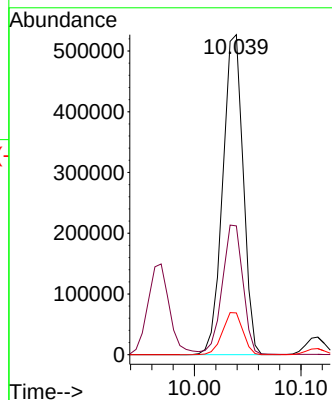
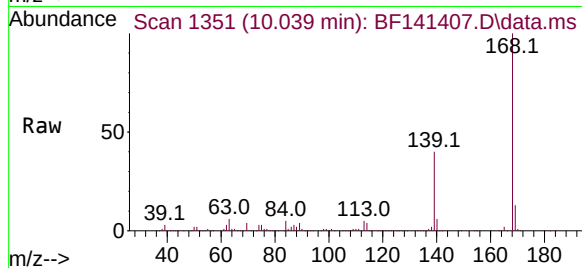
Tgt Ion:168 Resp: 700235

Ion Ratio Lower Upper

168 100

139 40.3 30.6 46.0

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 104.299 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

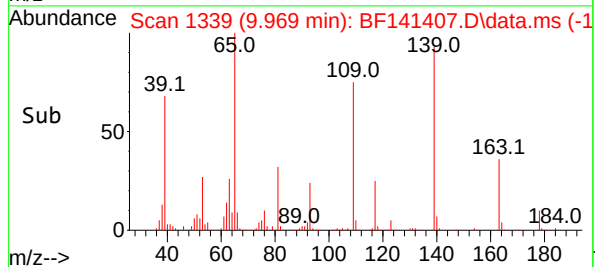
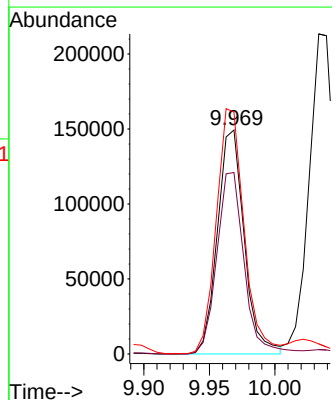
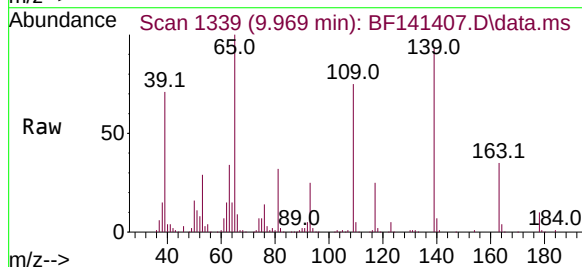
Tgt Ion:139 Resp: 212195

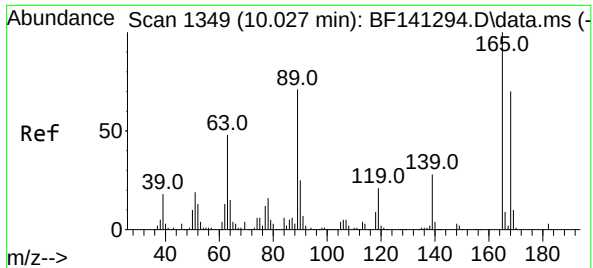
Ion Ratio Lower Upper

139 100

109 81.0 50.2 90.2

65 108.0 80.6 120.6

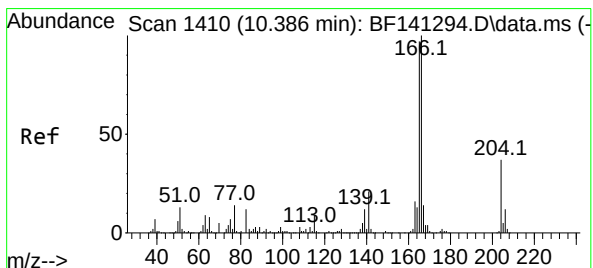
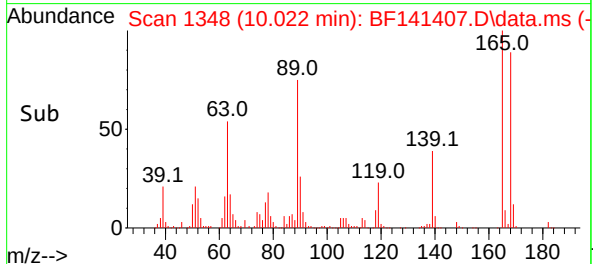
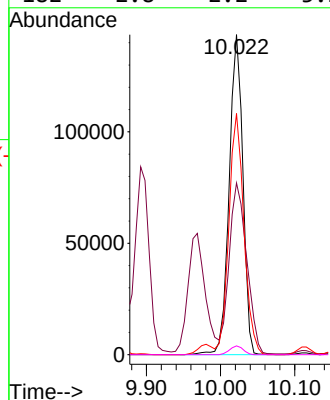
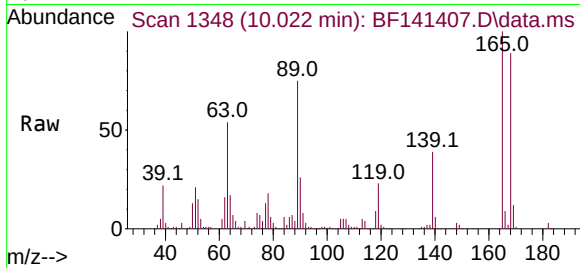




#57
2,4-Dinitrotoluene
Concen: 50.028 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

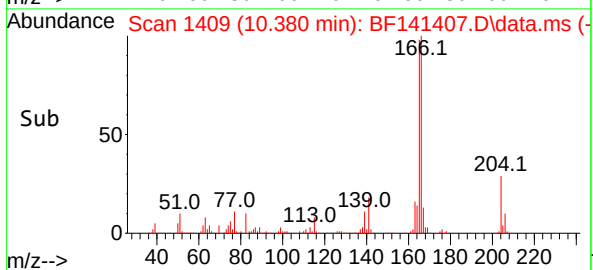
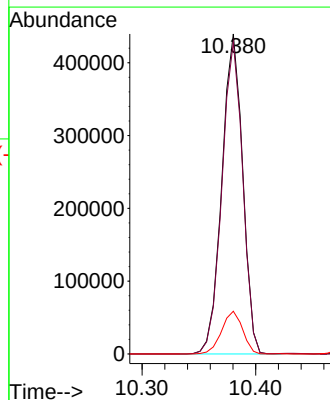
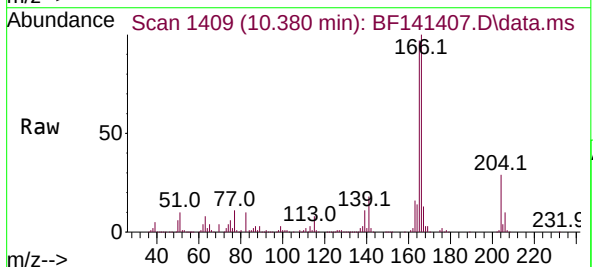
Instrument :
BNA_F
ClientSampleId :
PB166426BS

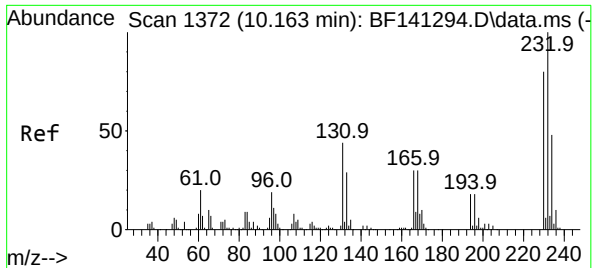
Tgt Ion:165 Resp: 183846
Ion Ratio Lower Upper
165 100
63 53.6 39.2 58.8
89 75.4 56.9 85.3
182 2.8 2.2 3.2



#58
Fluorene
Concen: 49.031 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:166 Resp: 560118
Ion Ratio Lower Upper
166 100
165 97.4 77.5 116.3
167 13.4 10.9 16.3

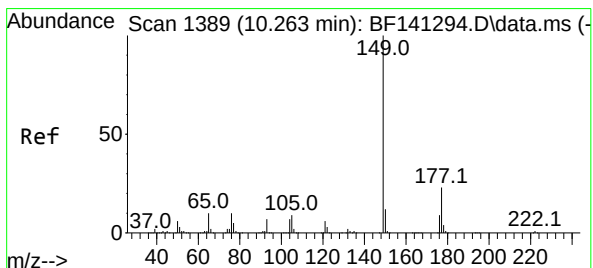
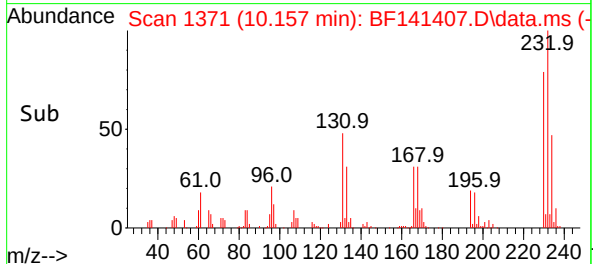
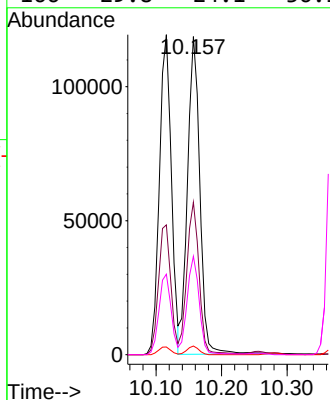
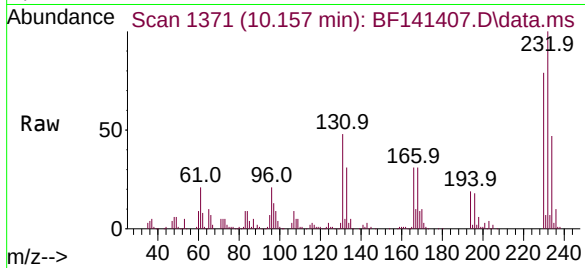




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.634 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

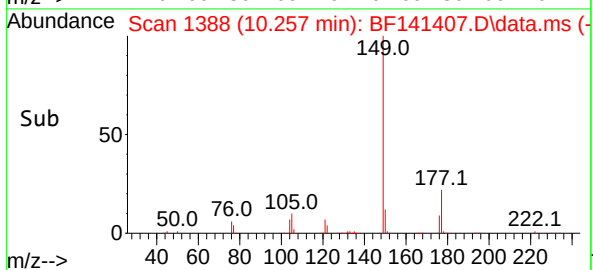
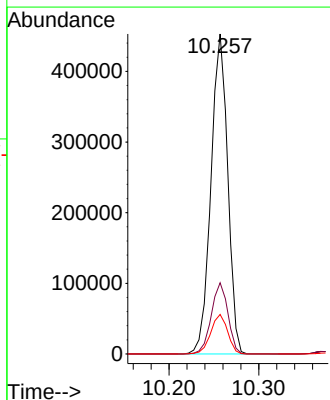
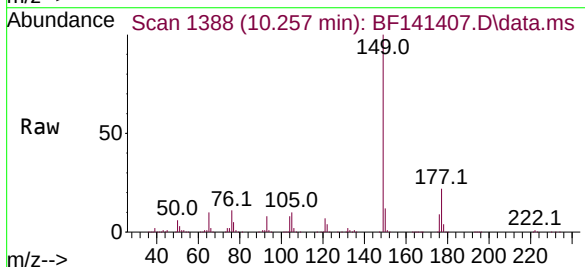
Instrument :
BNA_F
ClientSampleId :
PB166426BS

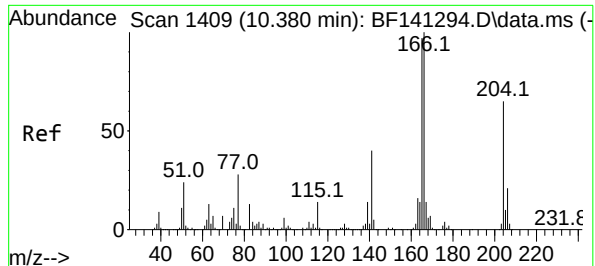
Tgt Ion:232 Resp: 154775
Ion Ratio Lower Upper
232 100
131 47.8 36.4 54.6
130 2.6 1.9 2.9
166 29.8 24.1 36.1



#60
Diethylphthalate
Concen: 49.503 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:149 Resp: 586751
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.3 10.0 15.0

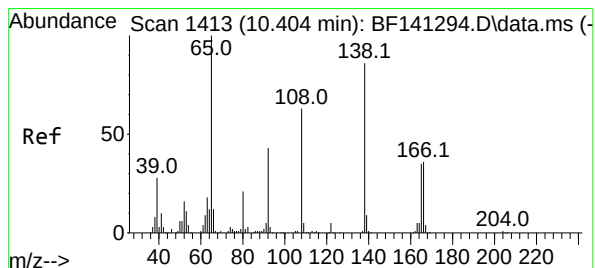
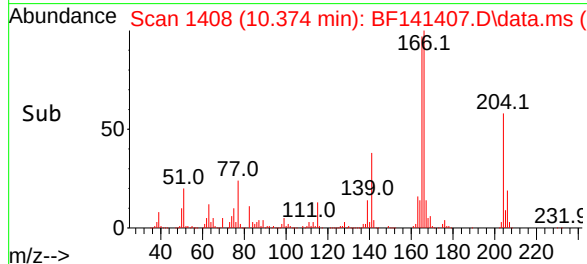
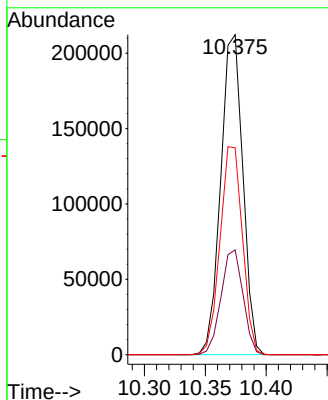
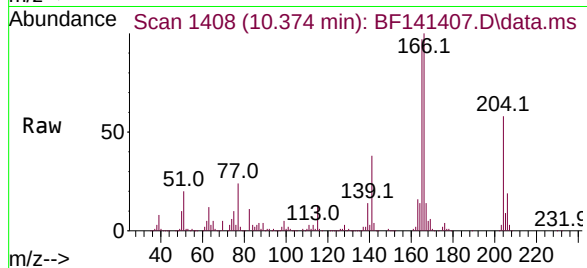




#61
4-Chlorophenyl-phenylether
Concen: 48.191 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

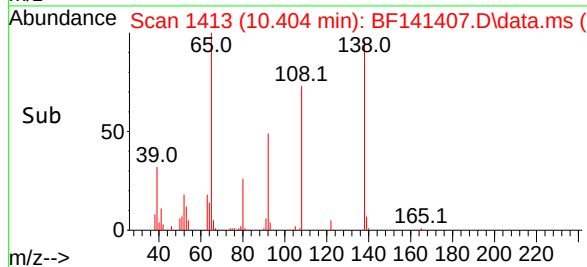
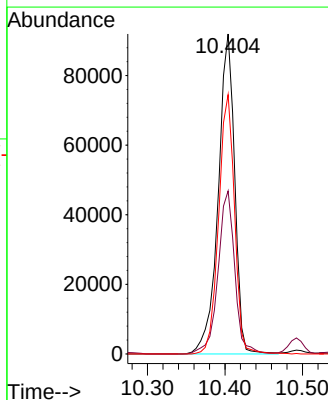
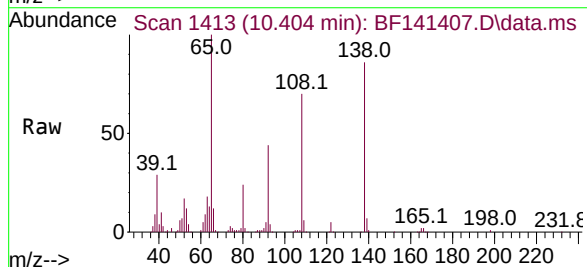
Instrument :
BNA_F
ClientSampleId :
PB166426BS

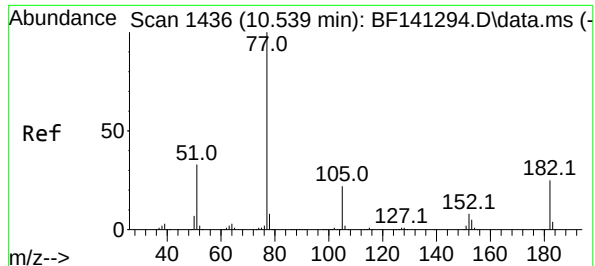
Tgt Ion:204 Resp: 268913
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 64.6 49.5 74.3



#62
4-Nitroaniline
Concen: 49.710 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:138 Resp: 135954
Ion Ratio Lower Upper
138 100
92 51.0 30.1 70.1
108 81.0 53.1 93.1

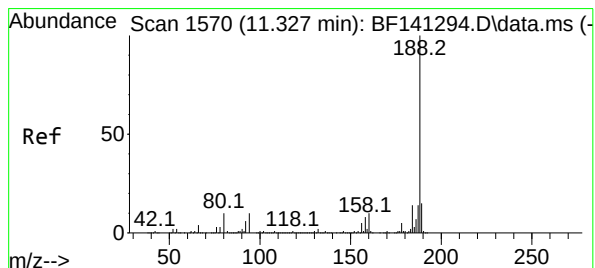
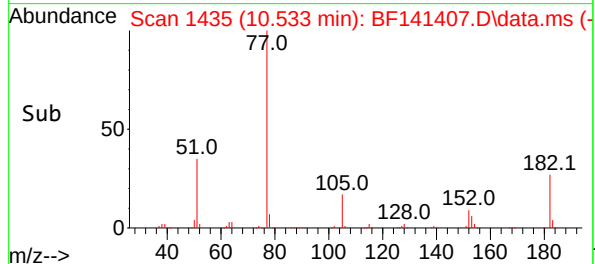
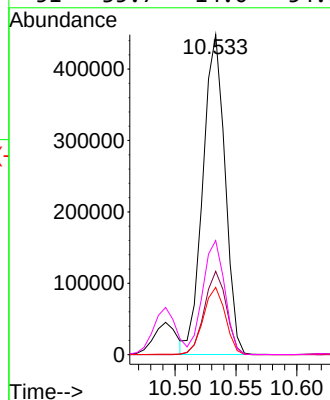
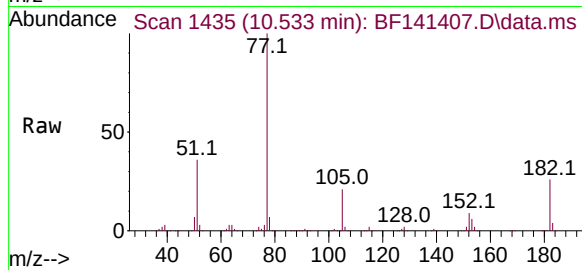




#63
Azobenzene
Concen: 47.614 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

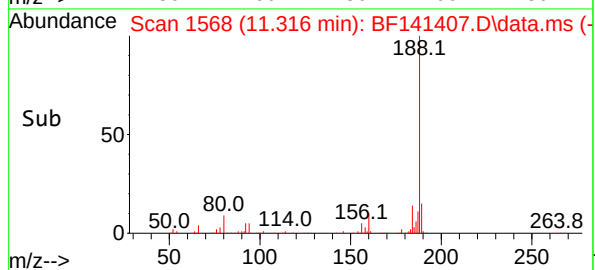
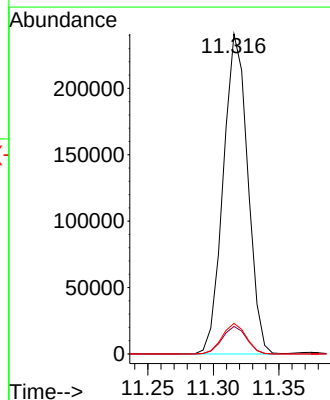
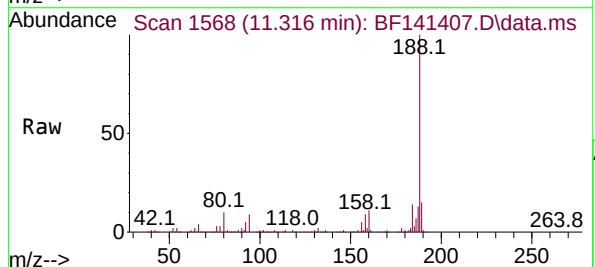
Instrument :
BNA_F
ClientSampleId :
PB166426BS

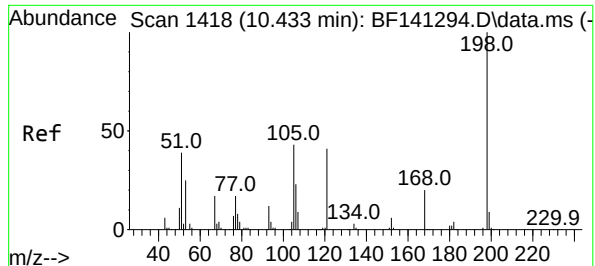
Tgt Ion: 77	Resp: 564907
Ion Ratio	Lower Upper
77 100	
182 26.1	5.1 45.1
105 21.0	1.8 41.8
51 35.7	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:188	Resp: 312610
Ion Ratio	Lower Upper
188 100	
94 8.6	7.8 11.6
80 9.6	8.2 12.4

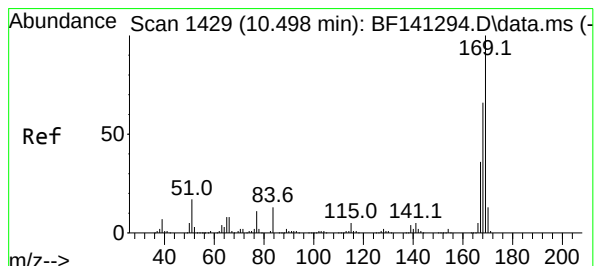
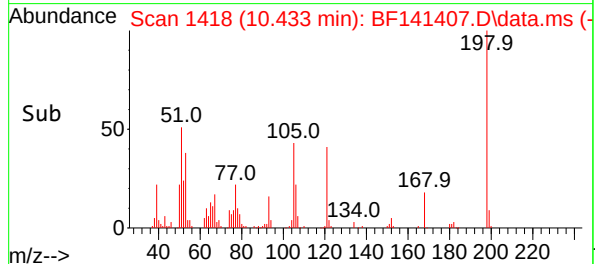
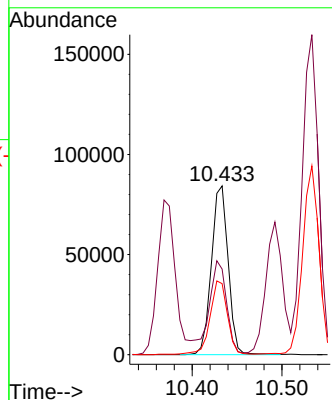
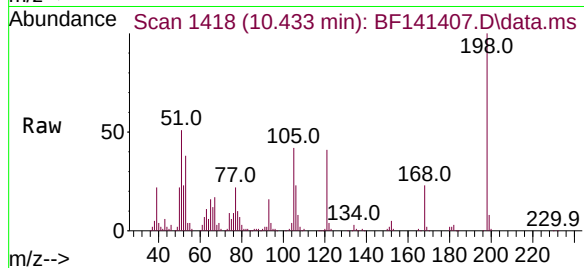




#65
4,6-Dinitro-2-methylphenol
Concen: 58.982 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

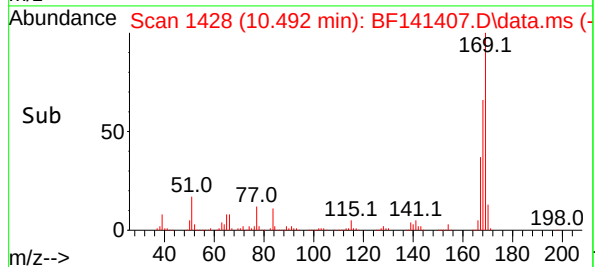
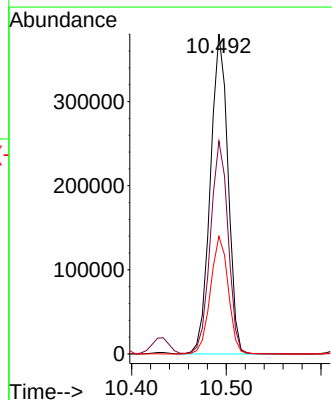
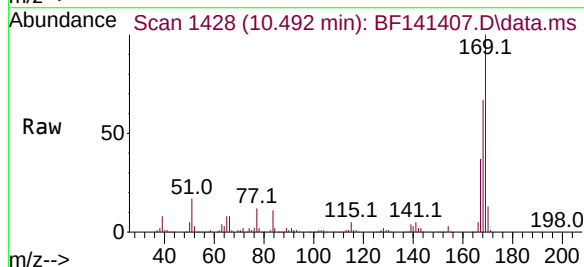
Instrument :
BNA_F
ClientSampleId :
PB166426BS

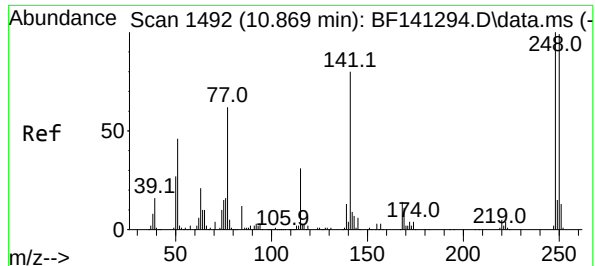
Tgt Ion:198 Resp: 109062
Ion Ratio Lower Upper
198 100
51 50.7 33.4 73.4
105 42.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 48.499 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:169 Resp: 490366
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.4
167 36.7 28.8 43.2

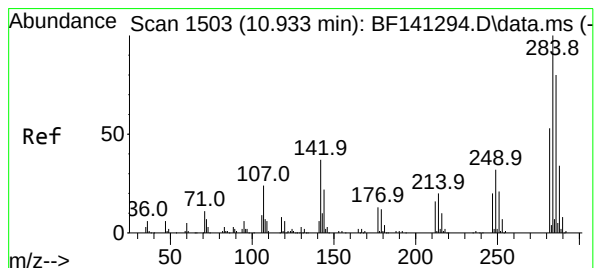
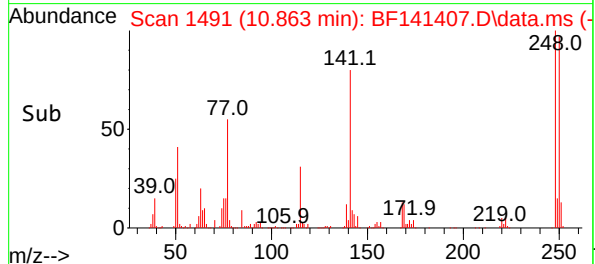
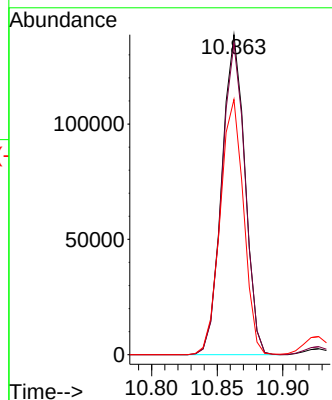
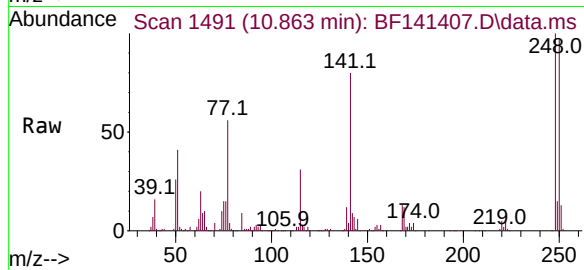




#67
4-Bromophenyl-phenylether
Concen: 48.562 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

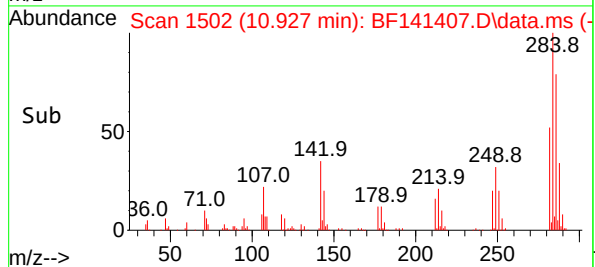
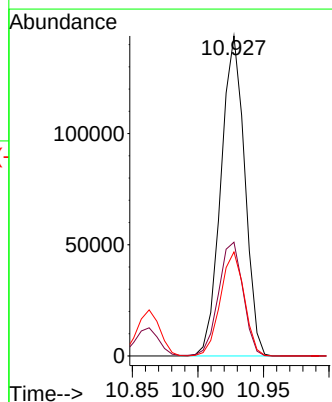
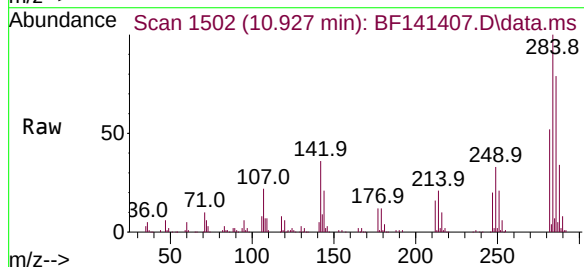
Instrument :
BNA_F
ClientSampleId :
PB166426BS

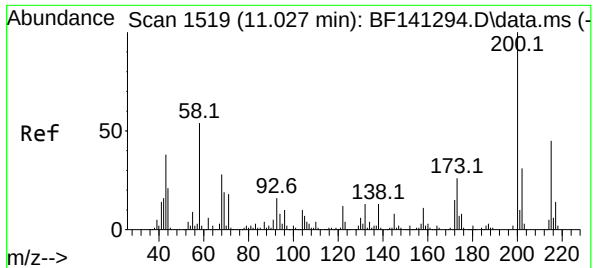
Tgt Ion:248 Resp: 169955
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.4
141 79.7 63.7 95.5



#68
Hexachlorobenzene
Concen: 48.853 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:284 Resp: 181362
Ion Ratio Lower Upper
284 100
142 35.5 29.5 44.3
249 32.5 25.4 38.2





#69

Atrazine

Concen: 51.796 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

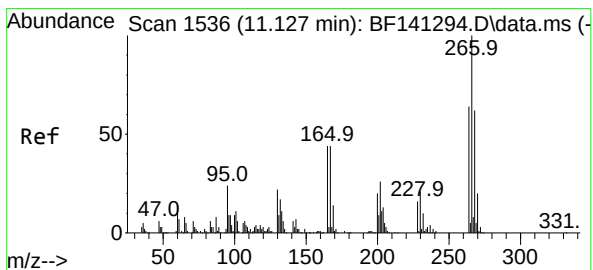
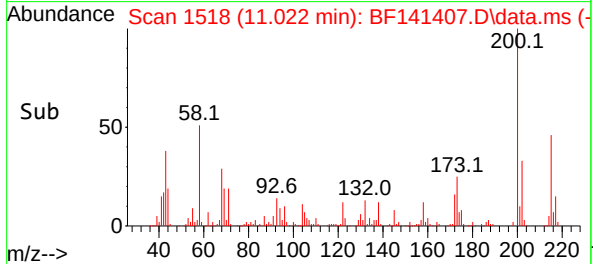
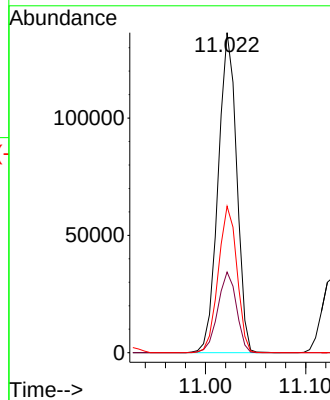
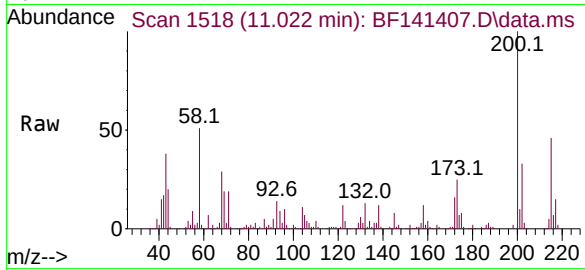
Tgt Ion:200 Resp: 175099

Ion Ratio Lower Upper

200 100

173 25.2 5.9 45.9

215 45.8 25.2 65.2



#70

Pentachlorophenol

Concen: 103.193 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

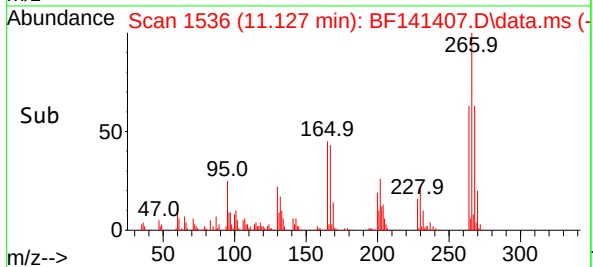
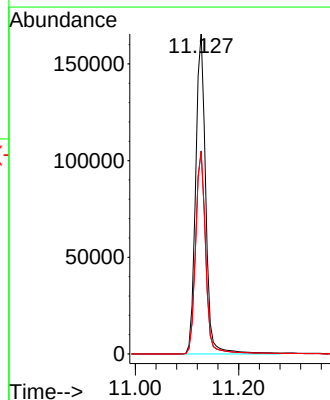
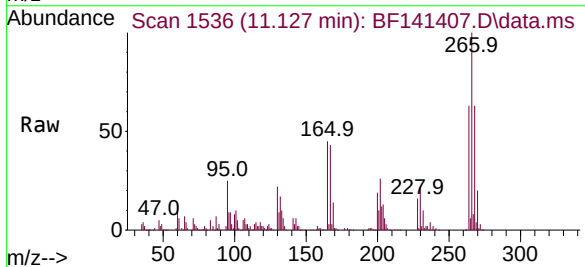
Tgt Ion:266 Resp: 224331

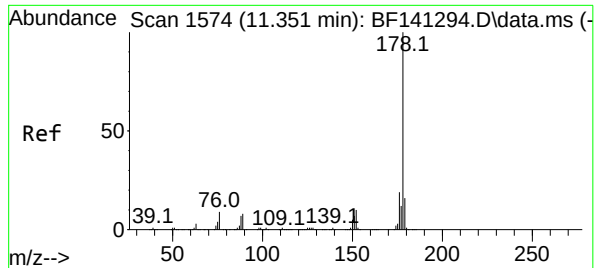
Ion Ratio Lower Upper

266 100

268 63.4 49.9 74.9

264 63.3 51.0 76.4





#71

Phenanthrene

Concen: 51.288 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

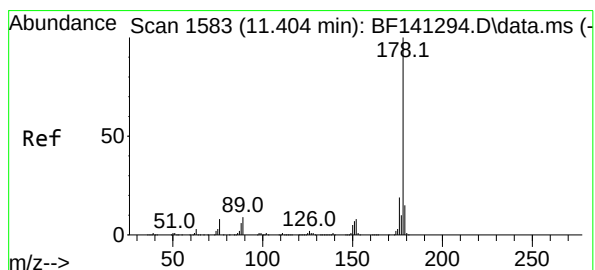
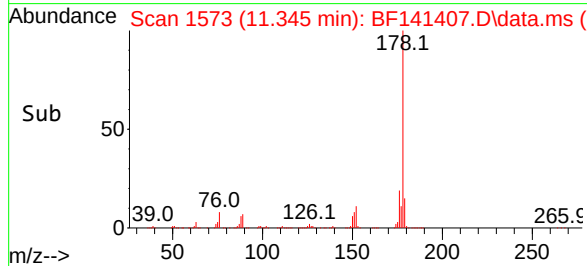
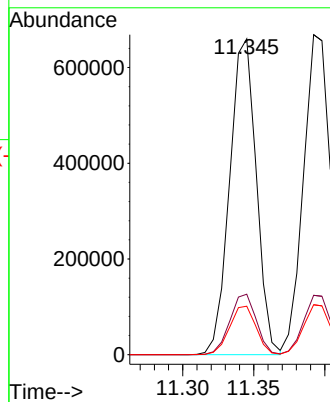
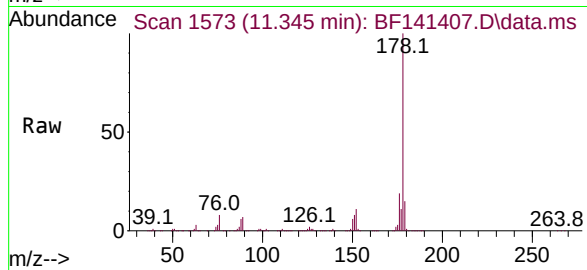
Tgt Ion:178 Resp: 861852

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 53.619 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

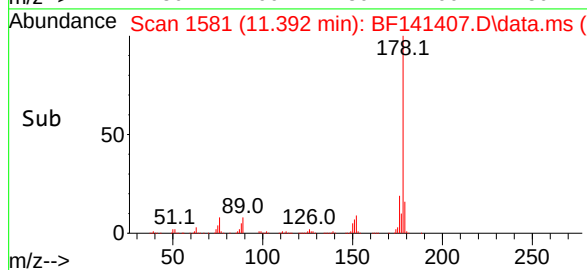
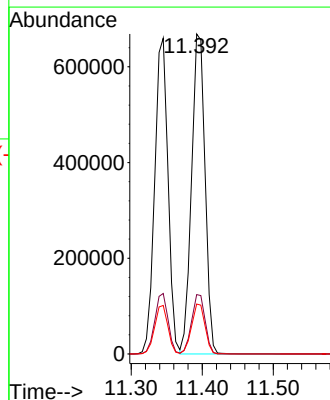
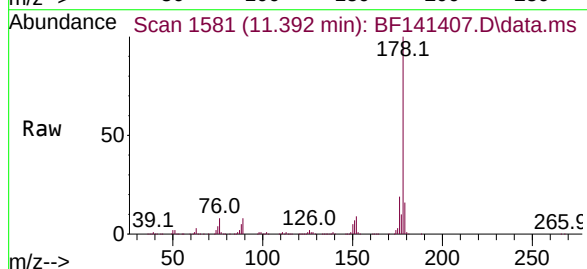
Tgt Ion:178 Resp: 882833

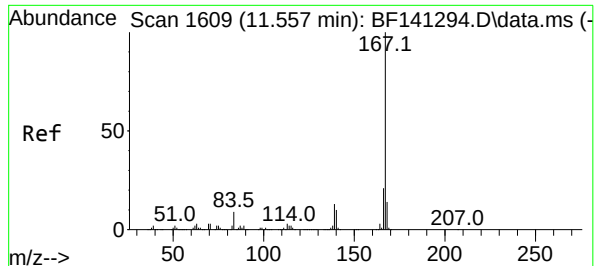
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.6 12.3 18.5

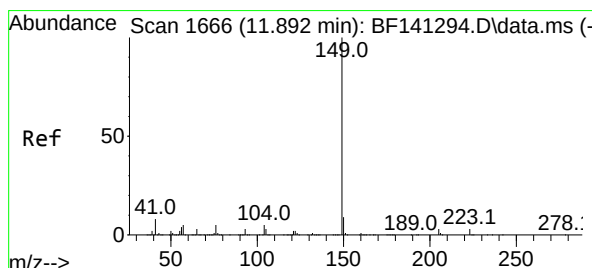
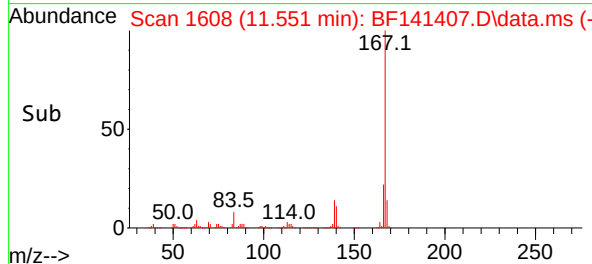
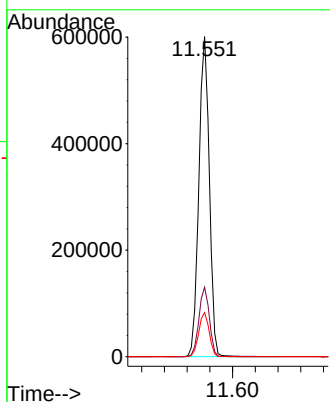
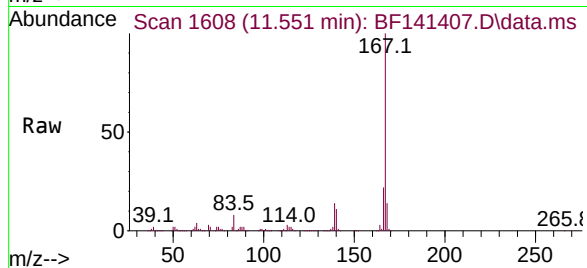




#73
Carbazole
Concen: 52.783 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

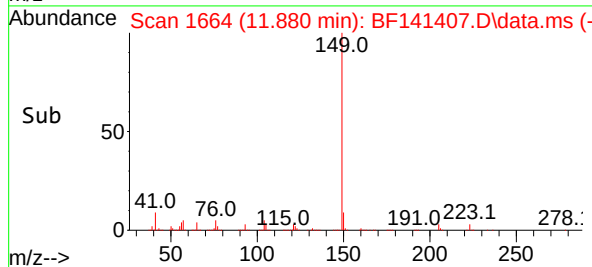
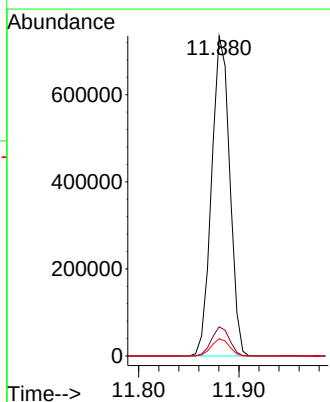
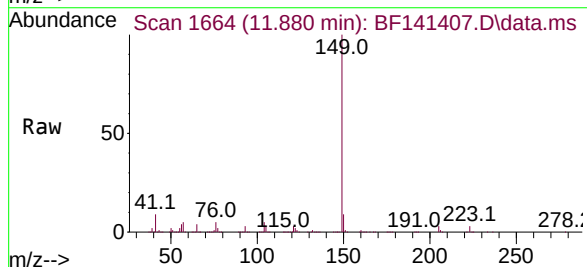
Instrument :
BNA_F
ClientSampleId :
PB166426BS

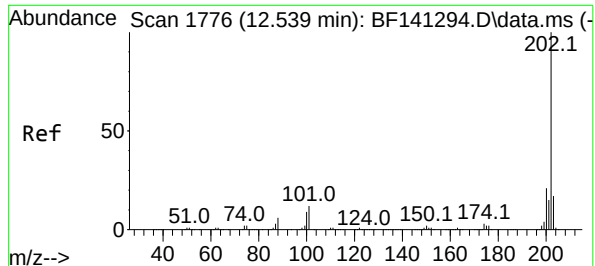
Tgt Ion:167 Resp: 770620
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.8 10.6 16.0



#74
Di-n-butylphthalate
Concen: 52.143 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:149 Resp: 922589
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 5.4 3.9 5.9





#75

Fluoranthene

Concen: 55.804 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

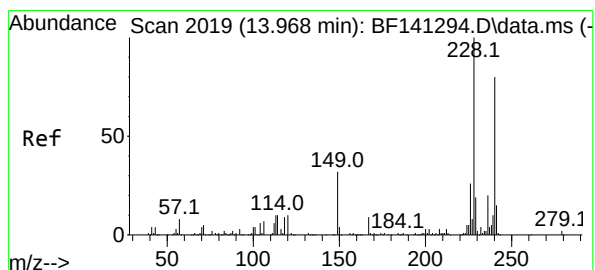
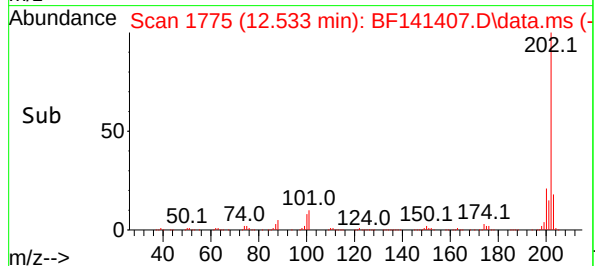
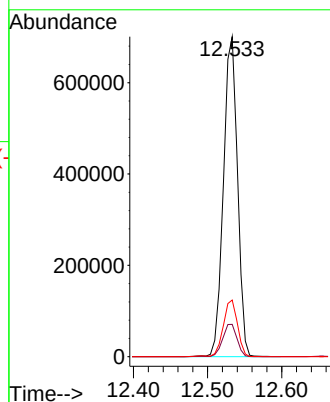
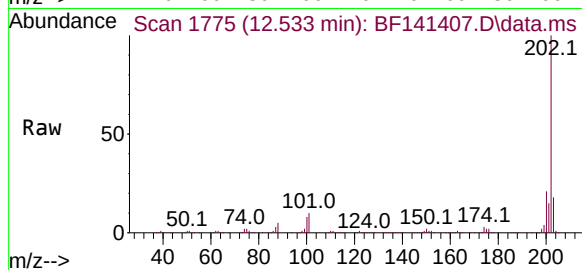
Tgt Ion:202 Resp: 925902

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.7

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

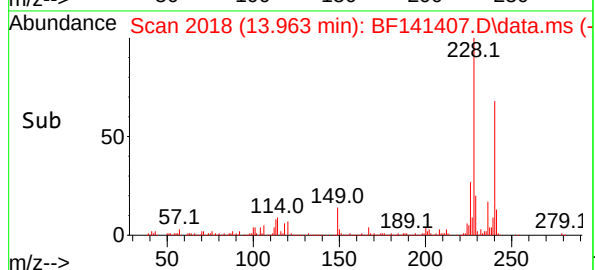
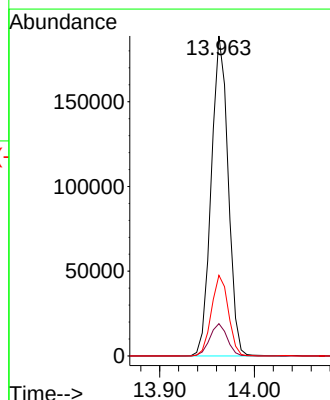
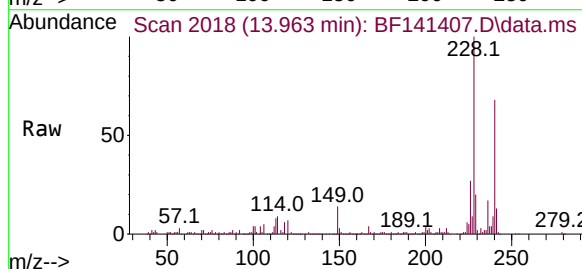
Tgt Ion:240 Resp: 234119

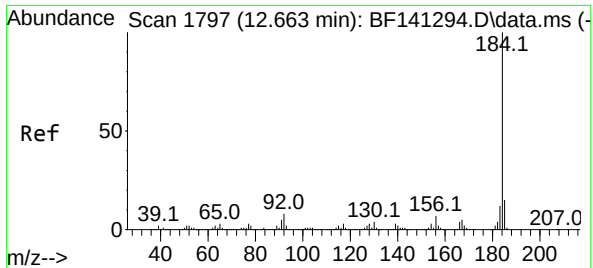
Ion Ratio Lower Upper

240 100

120 10.1 10.0 15.0

236 25.2 19.7 29.5

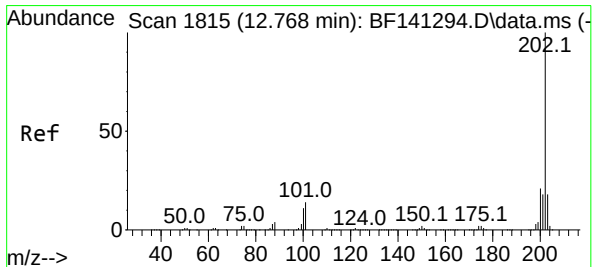
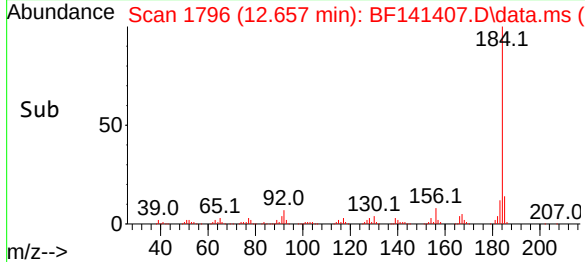
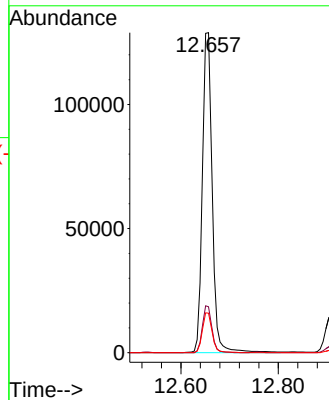
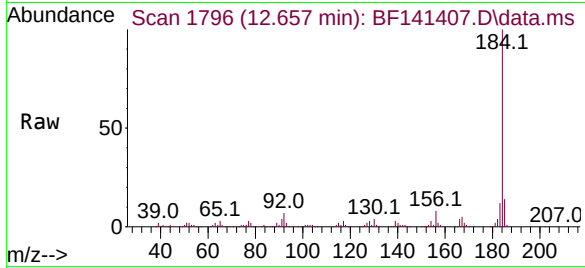




#77
Benzidine
Concen: 24.265 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

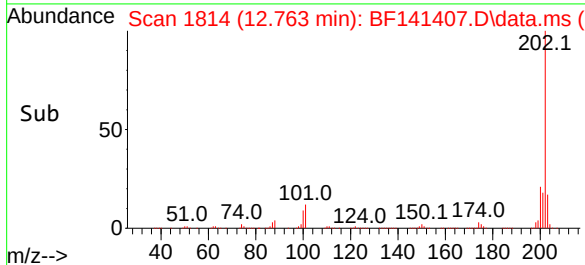
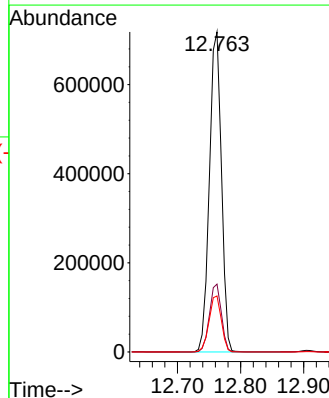
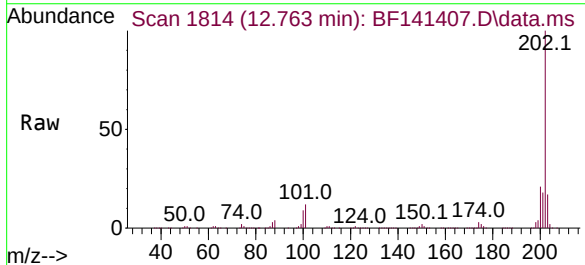
Instrument :
BNA_F
ClientSampleId :
PB166426BS

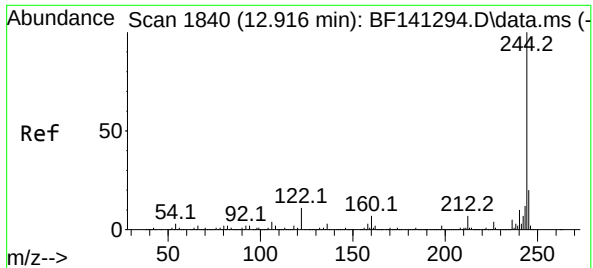
Tgt Ion:184 Resp: 182119
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 12.3 9.5 14.3



#78
Pyrene
Concen: 42.345 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:202 Resp: 951626
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.5 14.3 21.5

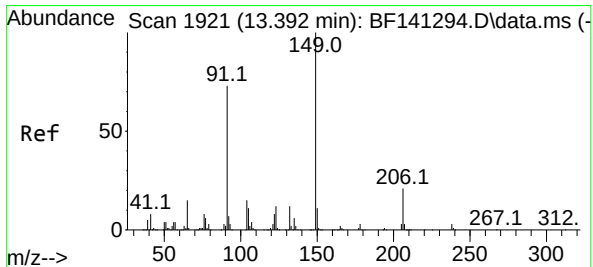
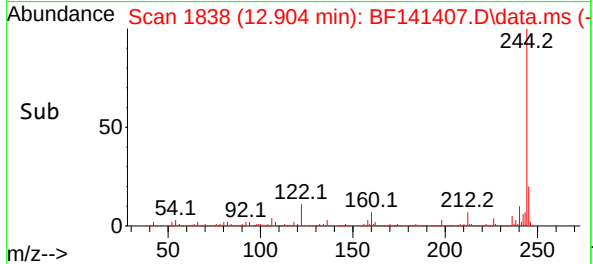
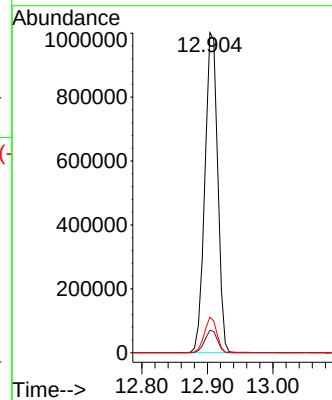
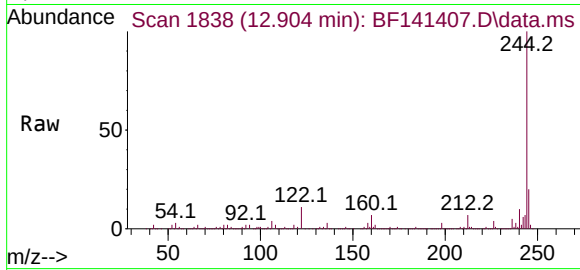




#79
Terphenyl-d14
Concen: 89.945 ng
RT: 12.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

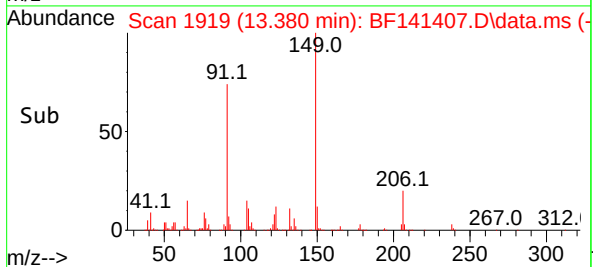
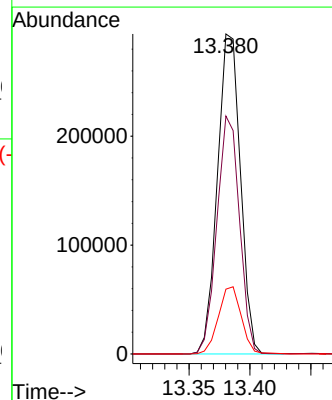
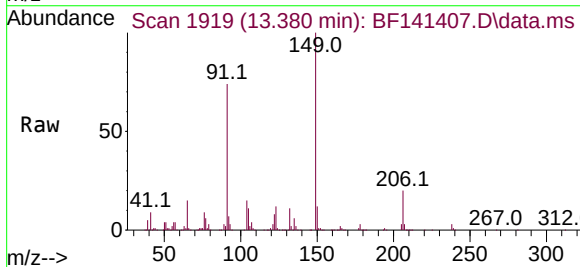
Instrument :
BNA_F
ClientSampleId :
PB166426BS

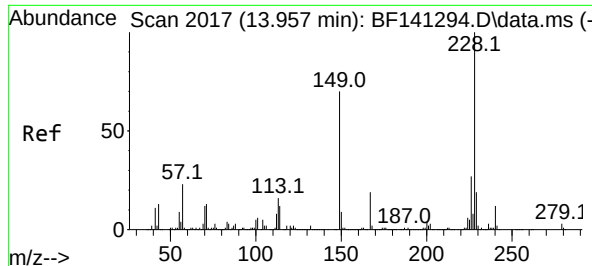
Tgt Ion:244 Resp: 1365459
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.1 8.8 13.2



#80
Butylbenzylphthalate
Concen: 49.204 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:149 Resp: 386308
Ion Ratio Lower Upper
149 100
91 74.4 58.6 87.8
206 20.2 16.7 25.1

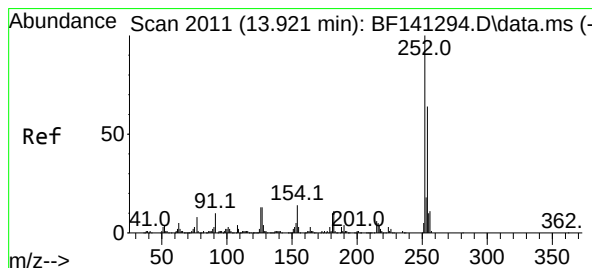
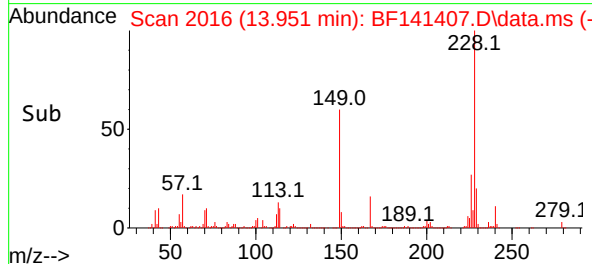
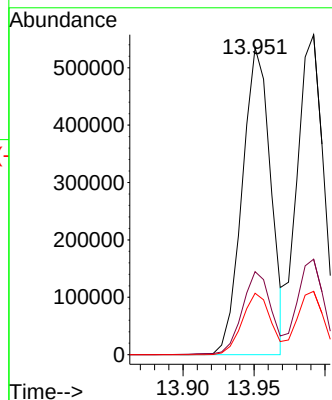
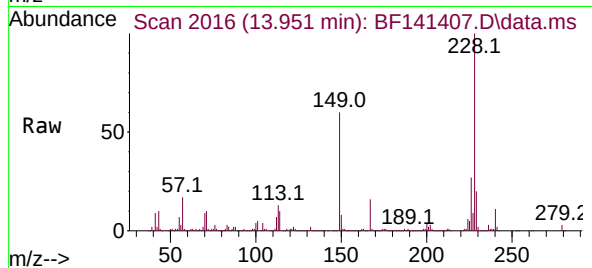




#81
Benzo(a)anthracene
Concen: 46.144 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

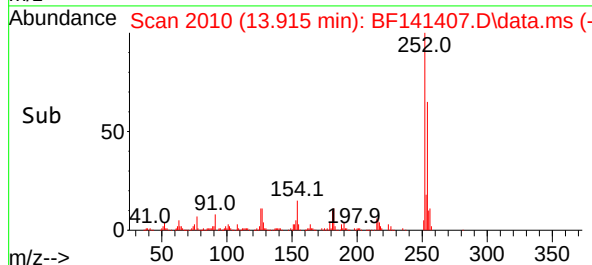
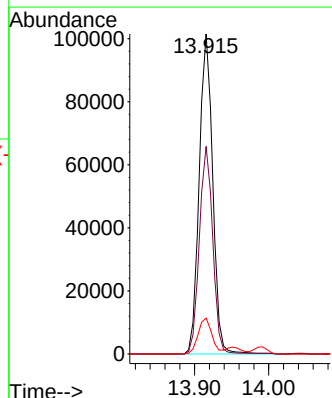
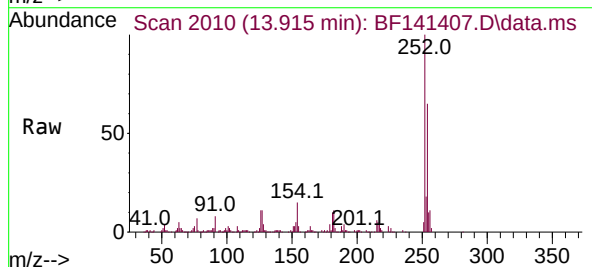
Instrument :
BNA_F
ClientSampleId :
PB166426BS

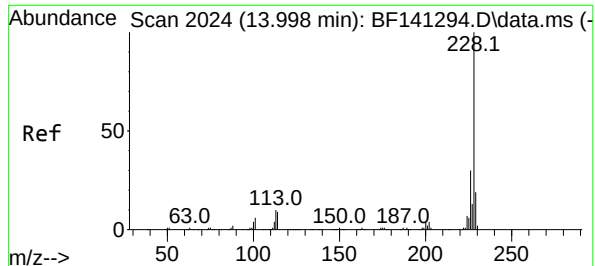
Tgt Ion:228 Resp: 745476
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 20.0 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 24.949 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:252 Resp: 128195
Ion Ratio Lower Upper
252 100
254 64.9 51.3 76.9
126 11.2 10.0 15.0





#83

Chrysene

Concen: 48.772 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

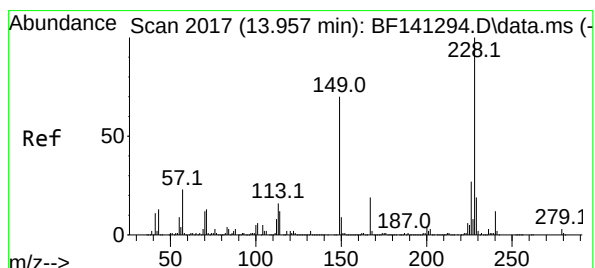
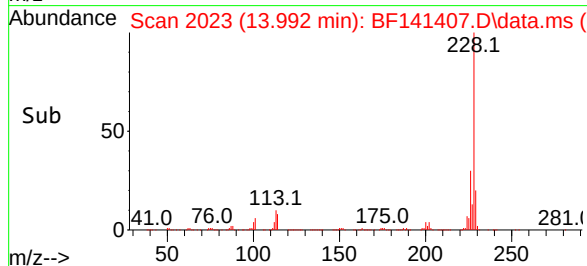
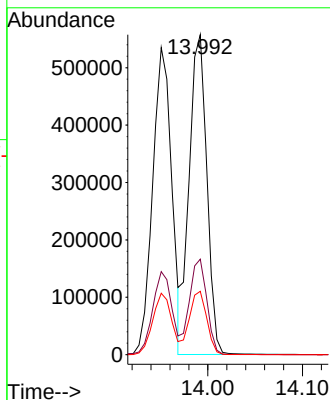
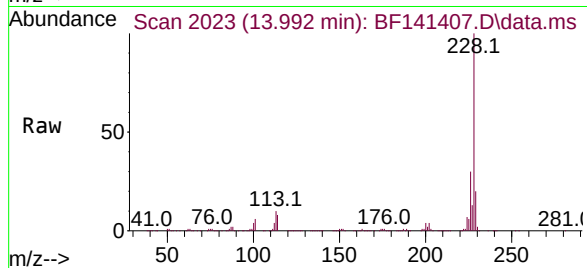
Tgt Ion:228 Resp: 722130

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.156 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

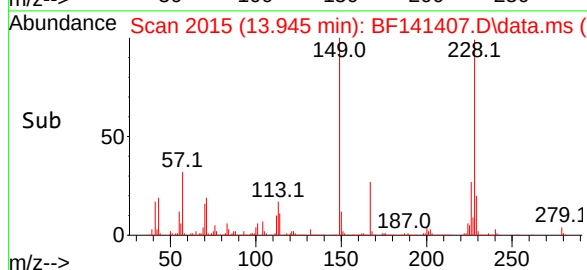
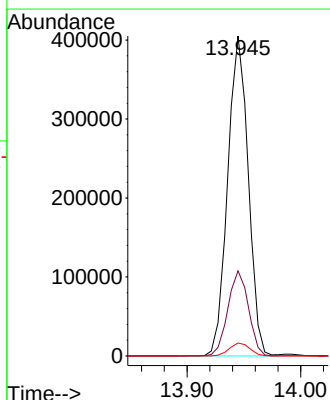
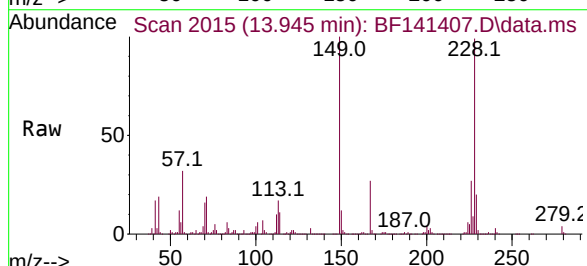
Tgt Ion:149 Resp: 509487

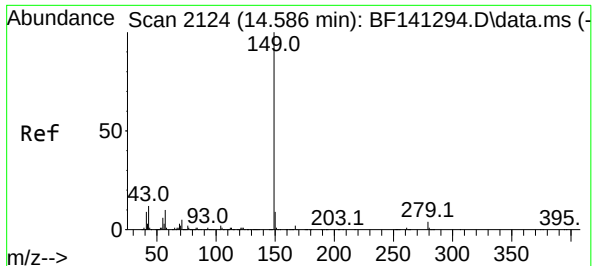
Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.8

279 4.0 3.3 4.9

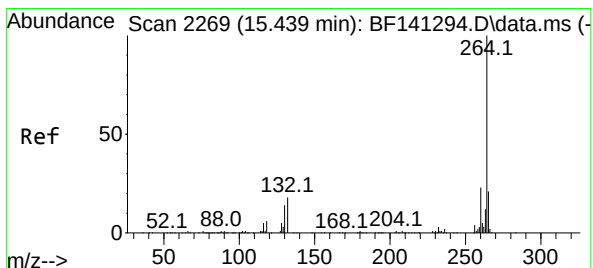
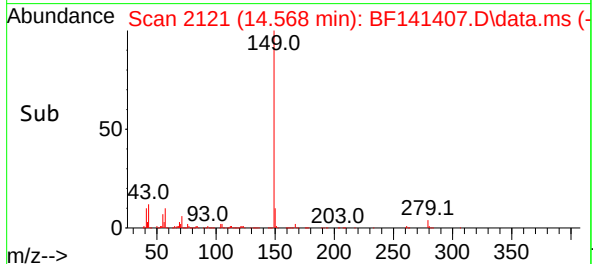
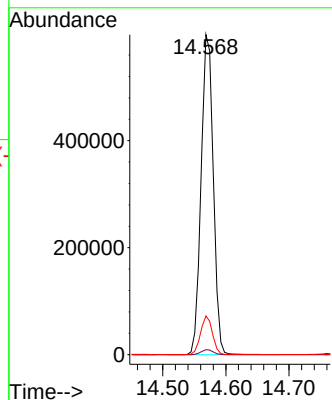
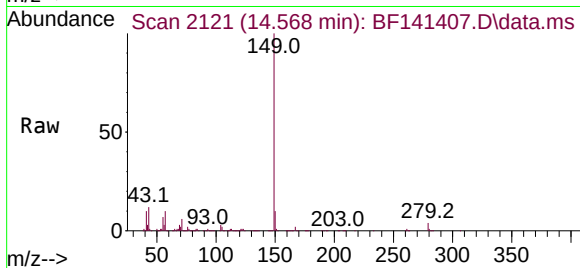




#85
Di-n-octyl phthalate
Concen: 51.792 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

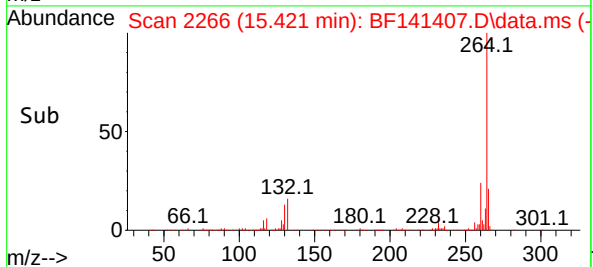
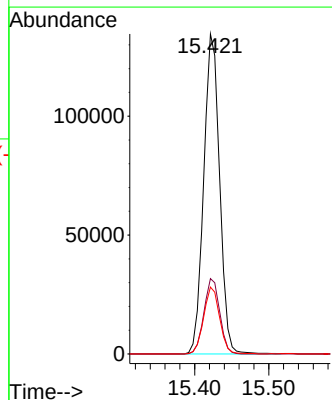
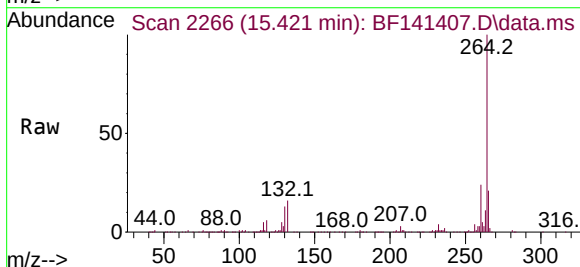
Instrument :
BNA_F
ClientSampleId :
PB166426BS

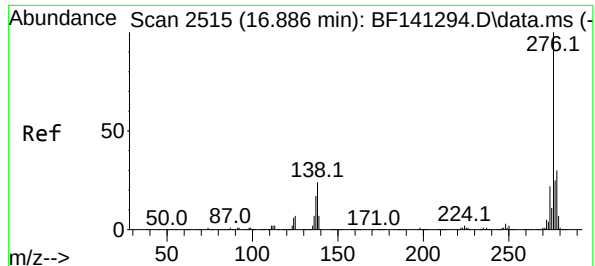
Tgt Ion:149 Resp: 801166
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.7 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141407.D
Acq: 04 Feb 2025 14:39

Tgt Ion:264 Resp: 200536
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.309 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.030 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

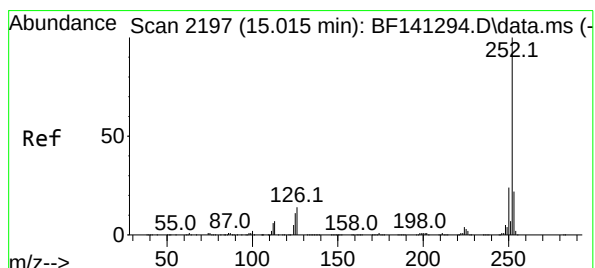
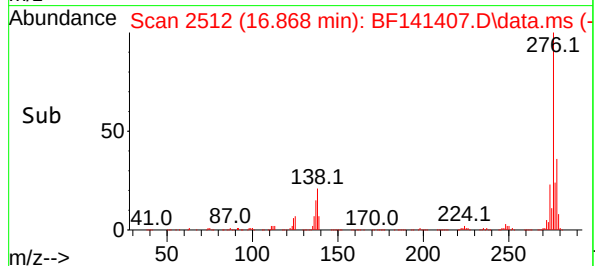
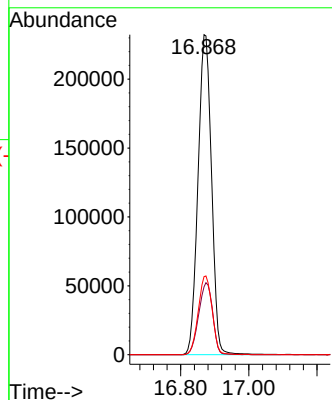
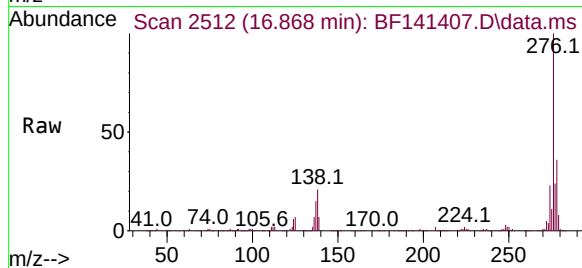
Tgt Ion:276 Resp: 638218

Ion Ratio Lower Upper

276 100

138 23.2 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 55.316 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

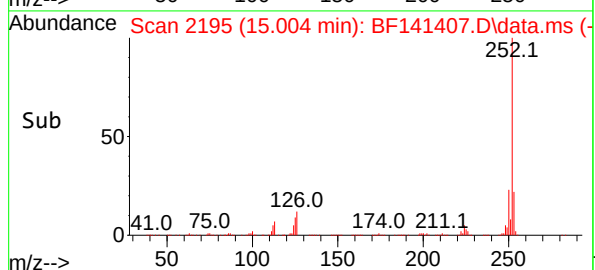
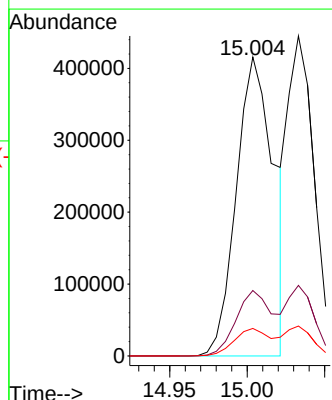
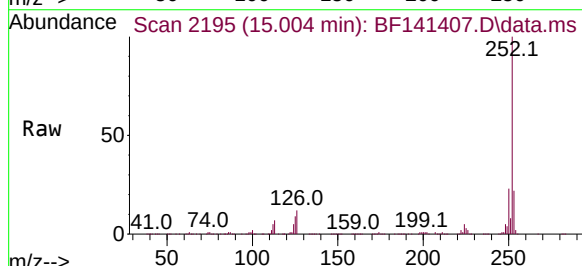
Tgt Ion:252 Resp: 697768

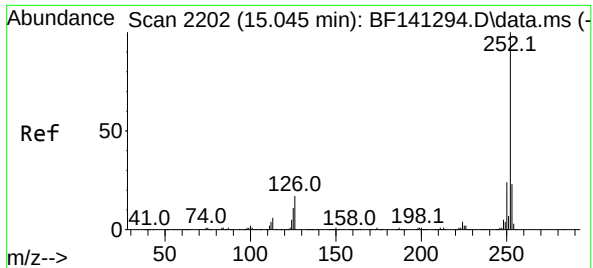
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.265 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

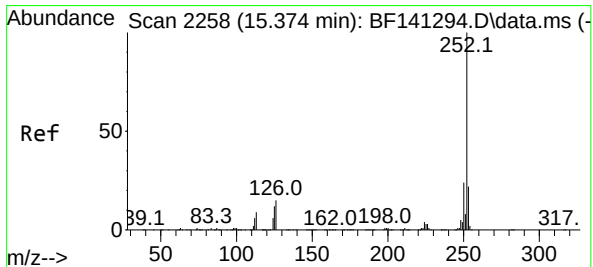
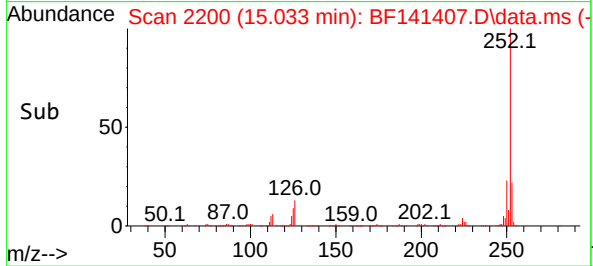
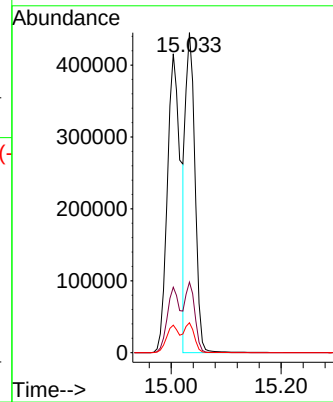
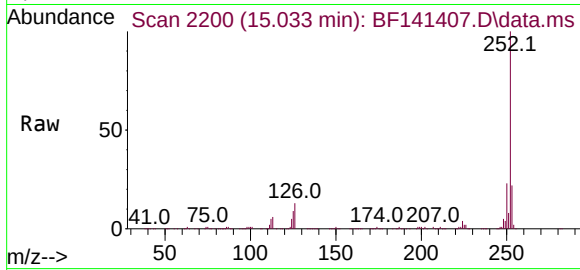
Tgt Ion:252 Resp: 528168

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 53.145 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

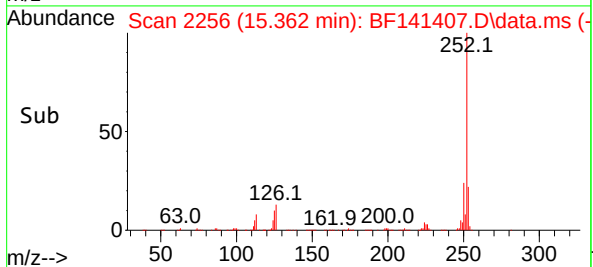
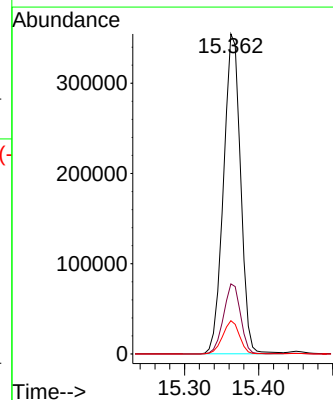
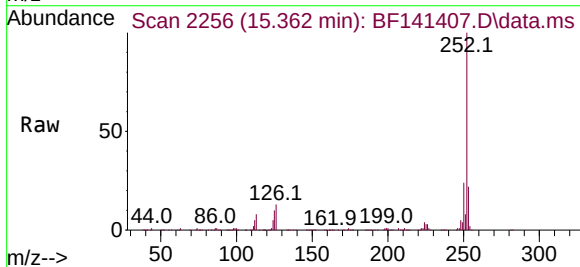
Tgt Ion:252 Resp: 566504

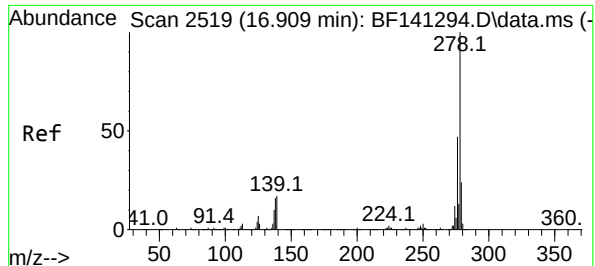
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 10.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 49.118 ng

RT: 16.886 min Scan# 2519

Delta R.T. -0.035 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

Instrument :

BNA_F

ClientSampleId :

PB166426BS

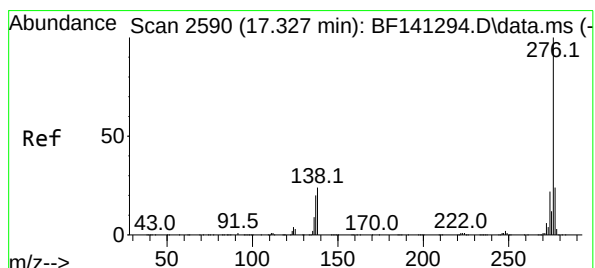
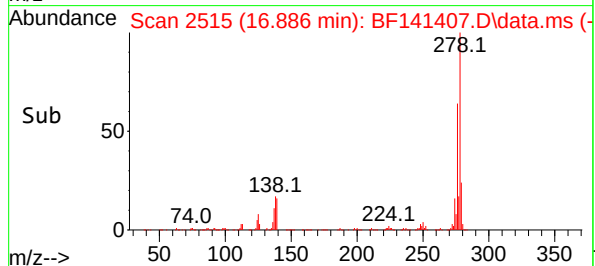
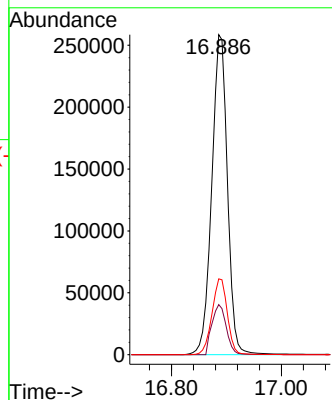
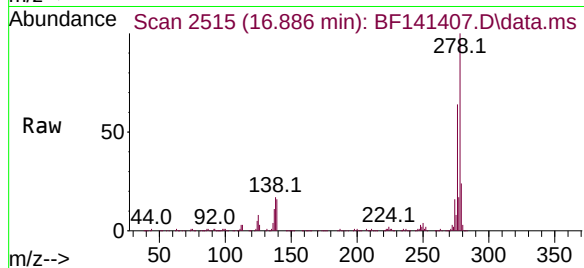
Tgt Ion:278 Resp: 511474

Ion Ratio Lower Upper

278 100

139 15.7 13.9 20.9

279 23.7 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 44.307 ng

RT: 17.309 min Scan# 2587

Delta R.T. -0.035 min

Lab File: BF141407.D

Acq: 04 Feb 2025 14:39

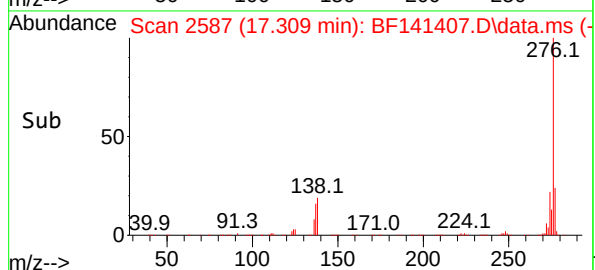
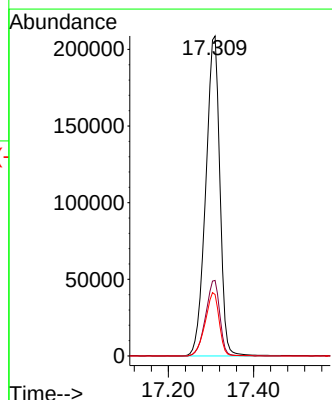
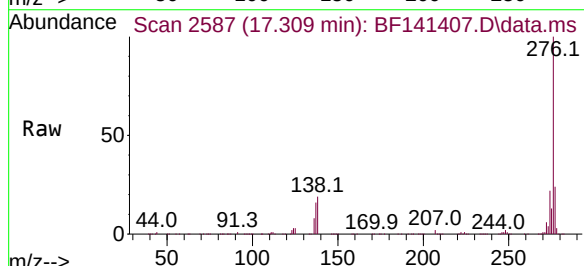
Tgt Ion:276 Resp: 479740

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 19.2 19.0 28.4



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MS	SDG No.:	Q1232
Lab Sample ID:	Q1218-02MS	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
BF141339.D	1	01/31/25 10:29	01/31/25 18:44	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	210		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		8.40	50.0	ug/L
95-48-7	2-Methylphenol	360		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	350		11.5	100	ug/L
67-72-1	Hexachloroethane	380		10.1	50.0	ug/L
98-95-3	Nitrobenzene	480		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	340		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	420		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	380		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	440		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	980	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		10 - 139	78%	SPK: 150
13127-88-3	Phenol-d6	108		10 - 134	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.8		49 - 133	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.6		52 - 132	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	63.3		48 - 125	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000		6.804		
1146-65-2	Naphthalene-d8	434000		8.081		
15067-26-2	Acenaphthene-d10	209000		9.839		
1517-22-2	Phenanthrene-d10	316000		11.322		
1719-03-5	Chrysene-d12	287000		13.968		
1520-96-3	Perylene-d12	324000		15.427		

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MS	SDG No.:	Q1232
Lab Sample ID:	Q1218-02MS	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
BF141339.D	1	01/31/25 10:29	01/31/25 18:44	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BF013125\
 Data File : BF141339.D
 Acq On : 31 Jan 2025 18:44
 Operator : RC/JU
 Sample : Q1218-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	131554	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	434471	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	208861	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	316494	20.000	ng	0.00
76) Chrysene-d12	13.968	240	287072	20.000	ng	0.00
86) Perylene-d12	15.427	264	323532	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1006731	117.483	ng	0.02
7) Phenol-d6	6.445	99	1179948	108.241	ng	0.00
23) Nitrobenzene-d5	7.363	82	765234	92.850	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	230592	120.428	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1255992	92.560	ng	0.00
79) Terphenyl-d14	12.910	244	1178895	63.332	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.728	88	145647m	38.647	ng	Qvalue
3) Pyridine	3.434	79	187577	20.658	ng	98
4) n-Nitrosodimethylamine	3.340	42	195301	37.651	ng	99
6) Aniline	6.469	93	163092	17.674	ng	# 21
8) 2-Chlorophenol	6.592	128	360773	39.280	ng	96
9) Benzaldehyde	6.351	77	153189	24.261	ng	98
10) Phenol	6.457	94	413280	35.764	ng	95
11) bis(2-Chloroethyl)ether	6.540	93	357731	40.375	ng	97
12) 1,3-Dichlorobenzene	6.740	146	362442	35.790	ng	100
13) 1,4-Dichlorobenzene	6.822	146	363387	35.719	ng	99
14) 1,2-Dichlorobenzene	6.969	146	343621	36.070	ng	99
15) Benzyl Alcohol	6.957	79	290713	39.023	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	598595	38.852	ng	86
17) 2-Methylphenol	7.063	107	270922	36.294	ng	95
18) Hexachloroethane	7.310	117	143756	38.303	ng	98
19) n-Nitroso-di-n-propyla...	7.216	70	240598	37.144	ng	99
20) 3+4-Methylphenols	7.210	107	325334	35.496	ng	# 80
22) Acetophenone	7.210	105	508642	49.252	ng	# 98
24) Nitrobenzene	7.387	77	406912	47.643	ng	98
25) Isophorone	7.628	82	565439	39.690	ng	99
26) 2-Nitrophenol	7.698	139	149802	37.190	ng	93
27) 2,4-Dimethylphenol	7.739	122	223609m	43.614	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	297915	32.783	ng	98
29) 2,4-Dichlorophenol	7.945	162	259327	41.317	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	285426	39.819	ng	100
31) Naphthalene	8.104	128	881744	38.417	ng	100
32) Benzoic acid	8.381	122	18590870m	3944.485	ng	
33) 4-Chloroaniline	8.175	127	82153	10.555	ng	# 13
34) Hexachlorobutadiene	8.222	225	143844	34.219	ng	99
35) Caprolactam	8.686	113	70743	34.511	ng	92
36) 4-Chloro-3-methylphenol	8.645	107	265987	39.508	ng	99
37) 2-Methylnaphthalene	8.798	142	600465	41.162	ng	100
38) 1-Methylnaphthalene	8.898	142	582706	40.664	ng	99
40) 1,2,4,5-Tetrachloroben...	8.963	216	302846	50.968	ng	98
41) Hexachlorocyclopentadiene	8.951	237	360130	205.225	ng	100
43) 2,4,6-Trichlorophenol	9.081	196	180517	46.415	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141339.D
 Acq On : 31 Jan 2025 18:44
 Operator : RC/JU
 Sample : Q1218-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	179658	42.443	ng	99
46) 1,1'-Biphenyl	9.263	154	828878	50.887	ng	100
47) 2-Chloronaphthalene	9.286	162	553920	43.629	ng	99
48) 2-Nitroaniline	9.386	65	139480	34.927	ng	98
49) Acenaphthylene	9.704	152	790027	44.453	ng	100
50) Dimethylphthalate	9.569	163	588865	41.744	ng	99
51) 2,6-Dinitrotoluene	9.628	165	124531	38.021	ng	92
52) Acenaphthene	9.875	154	605265m	47.672	ng	
53) 3-Nitroaniline	9.798	138	36577	11.394	ng	98
54) 2,4-Dinitrophenol	9.910	184	161698	106.201	ng	98
55) Dibenzofuran	10.051	168	720182	42.376	ng	100
56) 4-Nitrophenol	9.980	139	194516	82.853	ng	98
57) 2,4-Dinitrotoluene	10.033	165	162973	38.431	ng	95
58) Fluorene	10.392	166	543864	41.256	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	144115	43.276	ng	99
60) Diethylphthalate	10.269	149	540663	39.529	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	266568	41.397	ng	98
62) 4-Nitroaniline	10.404	138	84643	26.819	ng	99
63) Azobenzene	10.539	77	562497	41.085	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	92916	49.633	ng	94
66) n-Nitrosodiphenylamine	10.498	169	461781	45.111	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	150571	42.495	ng	98
68) Hexachlorobenzene	10.933	284	165980	44.161	ng	99
69) Atrazine	11.033	200	121271	35.433	ng	98
70) Pentachlorophenol	11.139	266	215923	98.106	ng	99
71) Phenanthrene	11.351	178	745904	43.844	ng	100
72) Anthracene	11.398	178	762409	45.737	ng	100
73) Carbazole	11.557	167	635428	42.989	ng	99
74) Di-n-butylphthalate	11.892	149	806567	45.026	ng	100
75) Fluoranthene	12.539	202	774173	46.086	ng	100
78) Pyrene	12.769	202	806413	29.264	ng	99
80) Butylbenzylphthalate	13.392	149	361248	37.525	ng	98
81) Benzo(a)anthracene	13.957	228	763079	38.521	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	91920	14.589	ng	100
83) Chrysene	13.998	228	769489	42.385	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	493990	40.451	ng	98
85) Di-n-octyl phthalate	14.574	149	941792	49.652	ng	99
87) Indeno(1,2,3-cd)pyrene	16.880	276	807515	38.671	ng	100
88) Benzo(b)fluoranthene	15.010	252	843784	41.462	ng	99
89) Benzo(k)fluoranthene	15.039	252	808333	44.836	ng	100
90) Benzo(a)pyrene	15.368	252	775987	45.122	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	659105	39.232	ng	100
92) Benzo(g,h,i)perylene	17.315	276	602691	34.502	ng	100

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

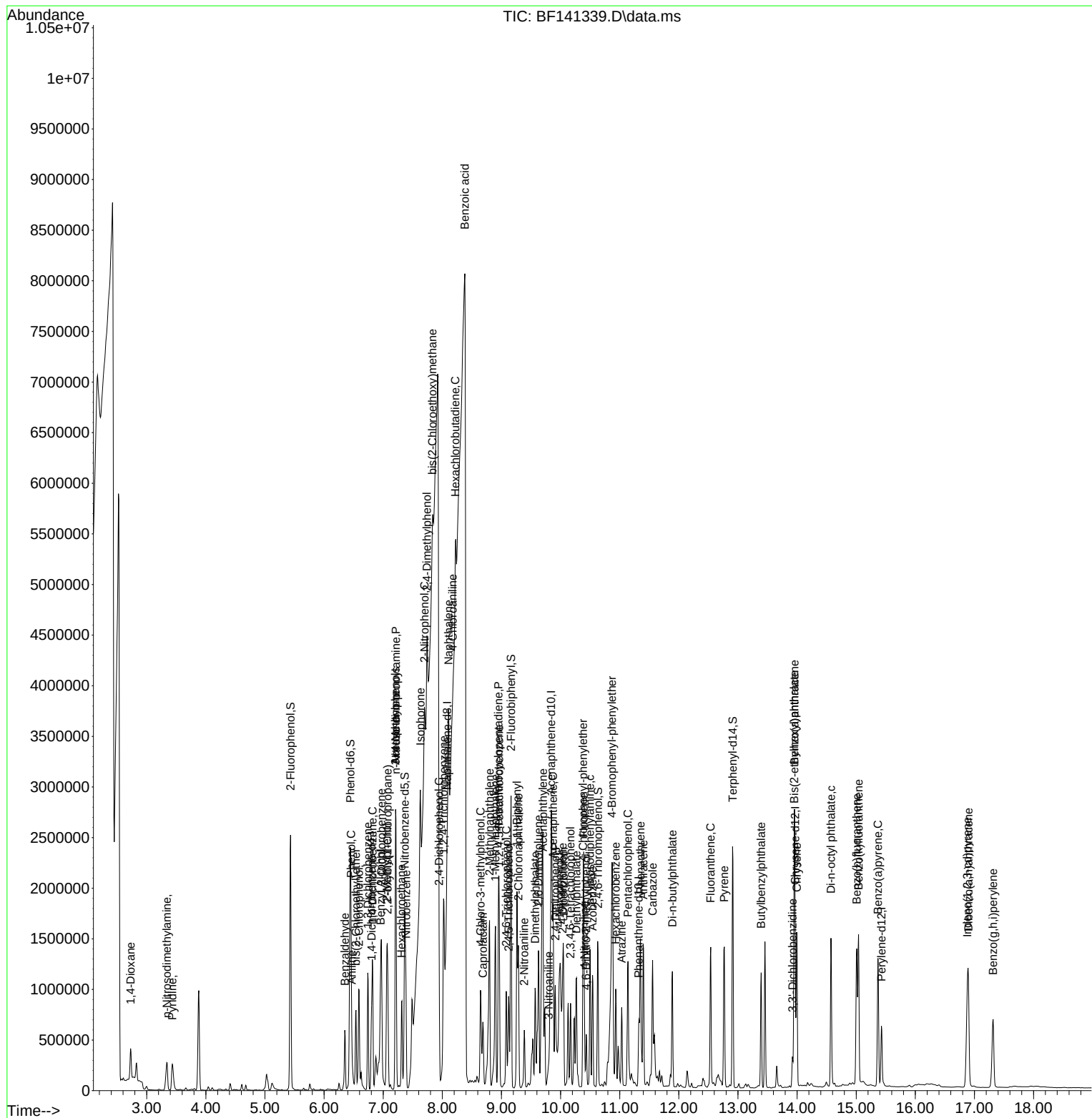
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Acq On    : 31 Jan 2025  18:44
Operator  : RC/JU
Sample    : Q1218-02MS
Misc      :
ALS Vial  : 5    Sample Multiplier: 1
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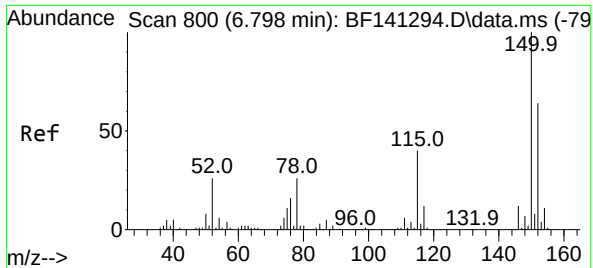
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

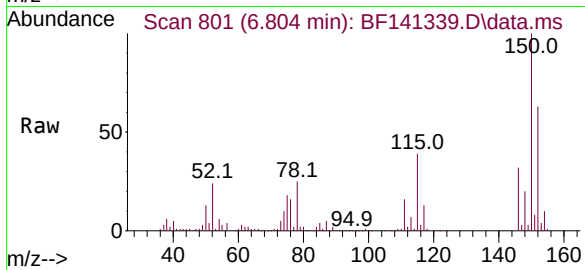
Quant Time: Jan 31 22:30:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

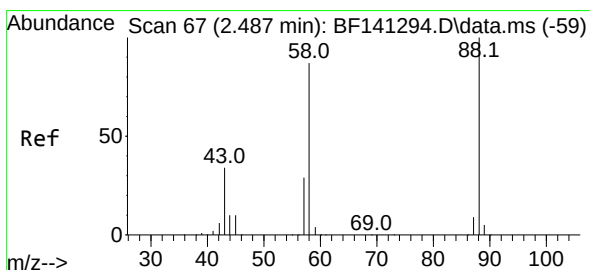
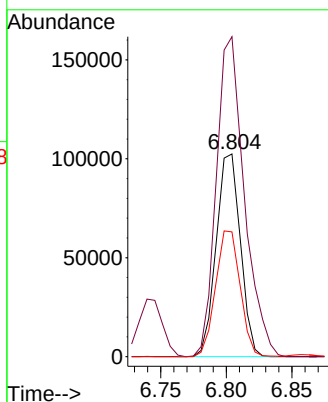
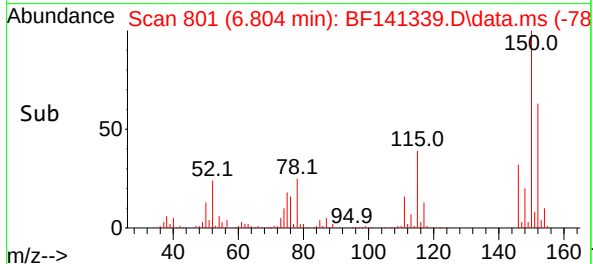
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:152 Resp: 131554
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 61.5 49.7 74.5

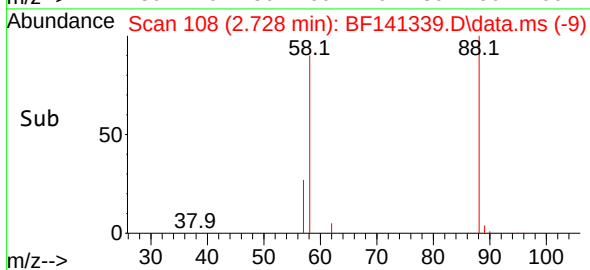
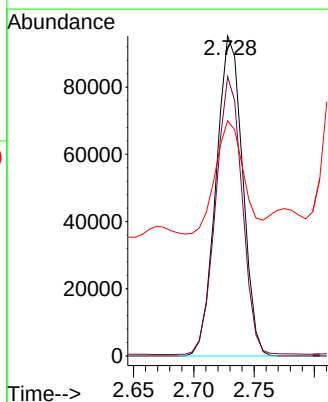
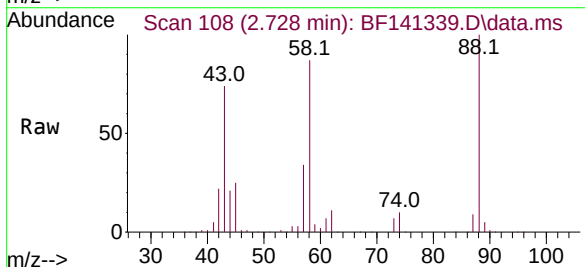
Manual Integrations
APPROVED

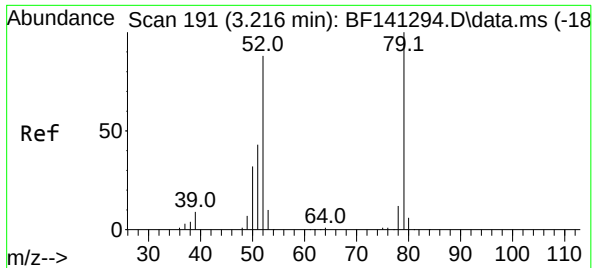
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 38.647 ng m
RT: 2.728 min Scan# 108
Delta R.T. 0.235 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

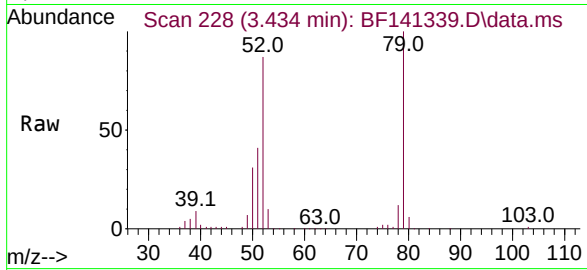
Tgt Ion: 88 Resp: 145647
Ion Ratio Lower Upper
88 100
58 132.6 70.2 105.4#
43 5191.4 27.6 41.4#





#3
Pyridine
Concen: 20.658 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.206 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

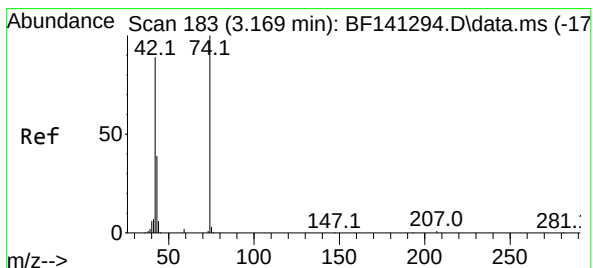
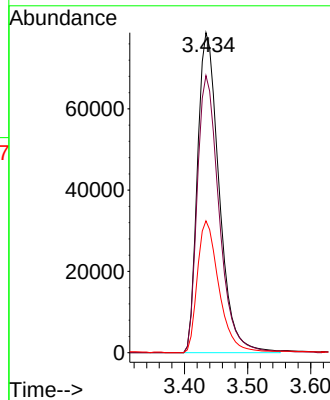
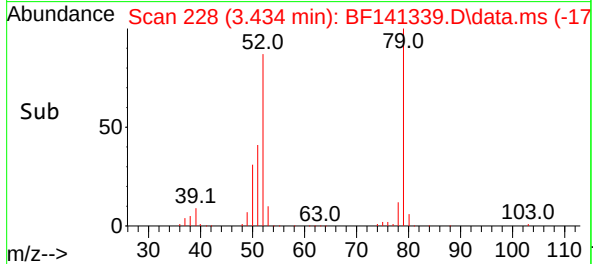
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



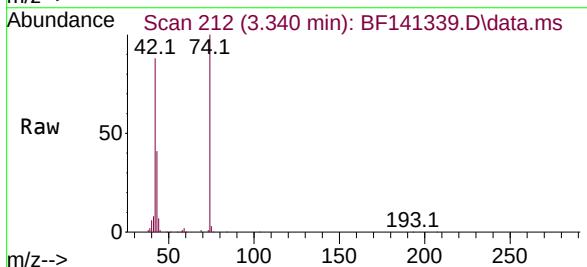
Tgt Ion: 79 Resp: 18757
Ion Ratio Lower Upper
79 100
52 86.6 70.3 105.5
51 41.2 34.3 51.5

Manual Integrations
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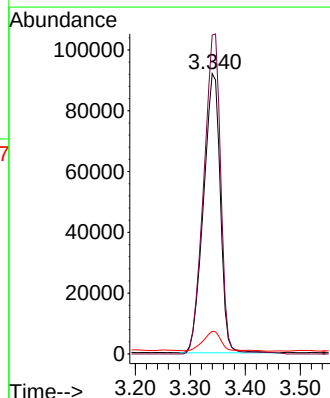
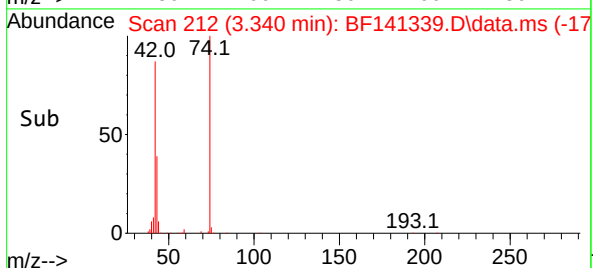
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

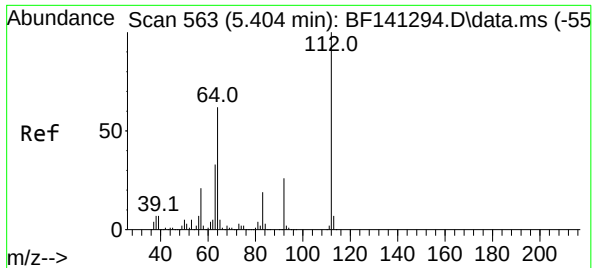


#4
n-Nitrosodimethylamine
Concen: 37.651 ng
RT: 3.340 min Scan# 212
Delta R.T. 0.141 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



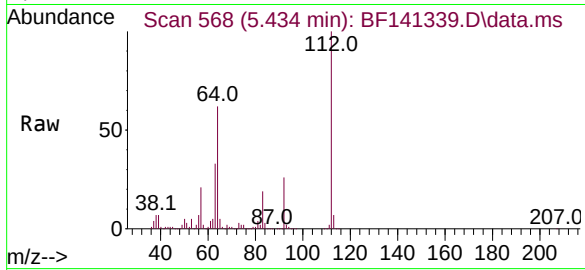
Tgt Ion: 42 Resp: 195301
Ion Ratio Lower Upper
42 100
74 113.7 90.3 135.5
44 8.1 5.7 8.5





#5
2-Fluorophenol
Concen: 117.483 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

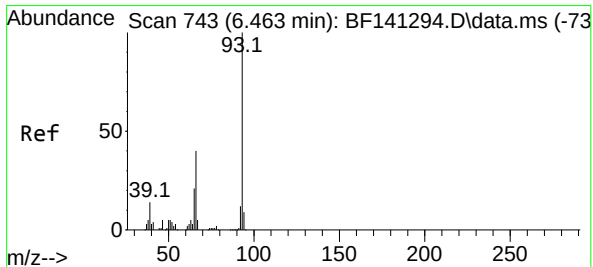
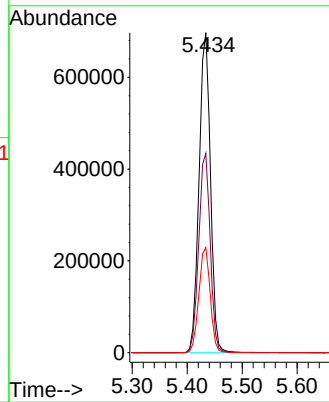
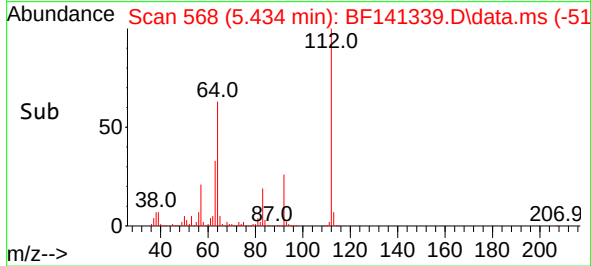
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion: 112 Resp: 100673
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.8 26.1 39.1

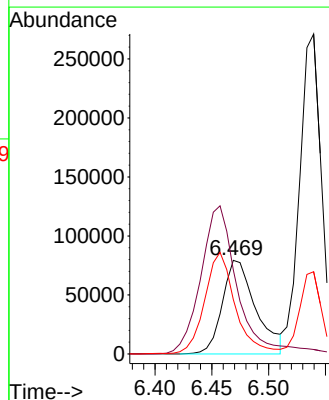
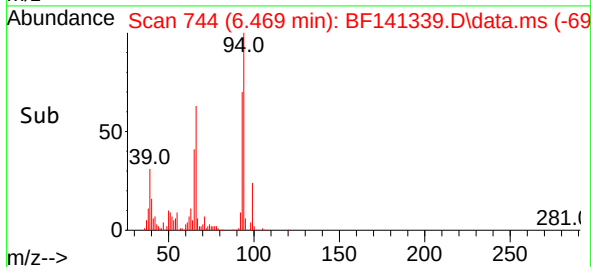
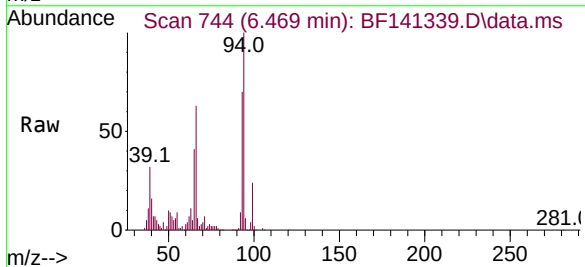
Manual Integrations
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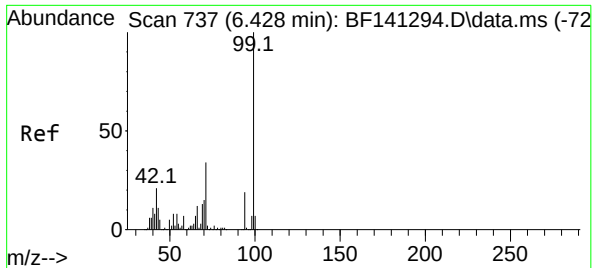
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 17.674 ng
RT: 6.469 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

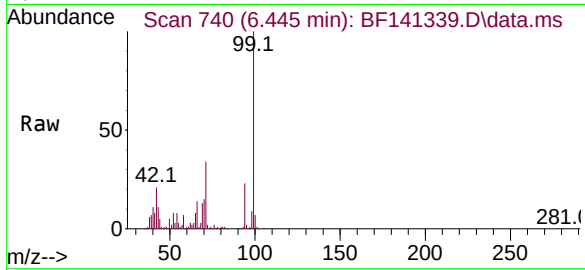
Tgt Ion: 93 Resp: 163092
Ion Ratio Lower Upper
93 100
66 89.6 32.5 48.7#
65 58.2 17.0 25.6#





#7
Phenol-d6
Concen: 108.241 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

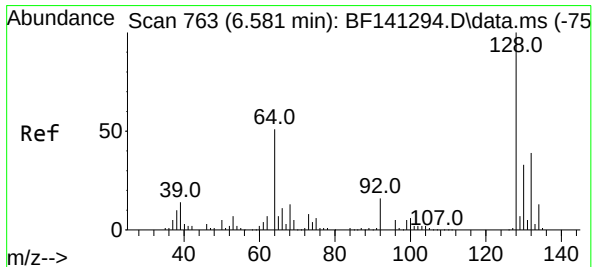
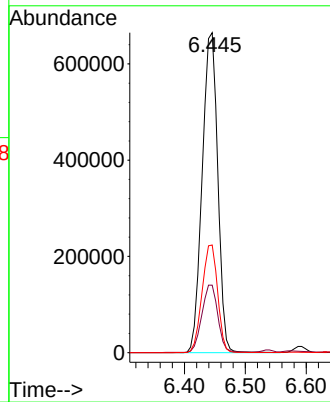
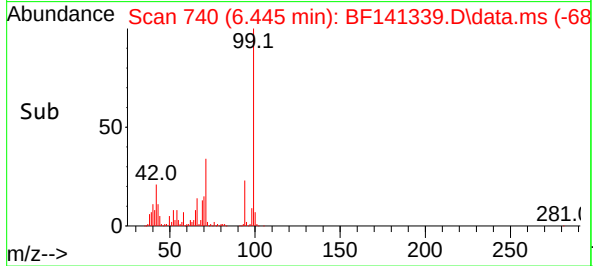


Tgt Ion: 99 Resp: 117994

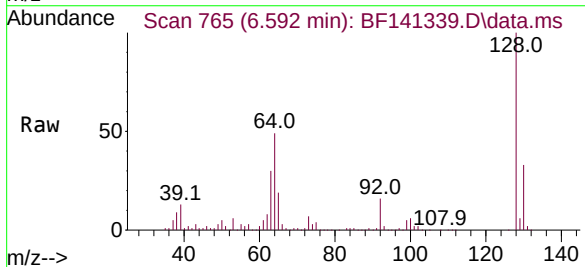
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.1	25.7
71	33.6	26.9	40.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

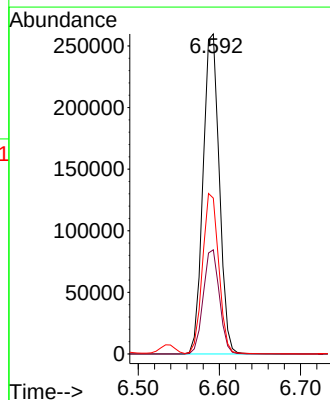
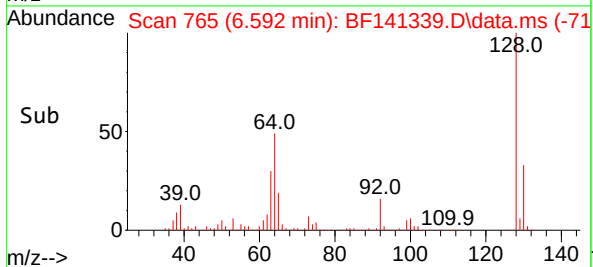


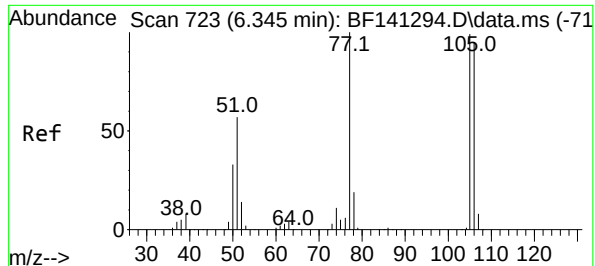
#8
2-Chlorophenol
Concen: 39.280 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:128 Resp: 360773

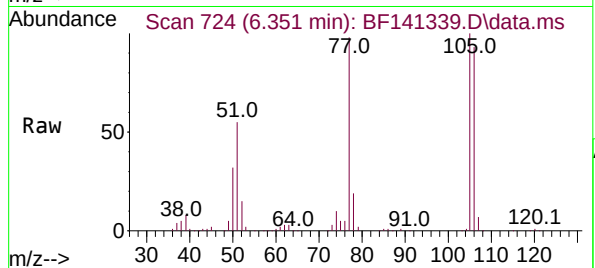
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	48.7	32.9	72.9





#9
Benzaldehyde
Concen: 24.261 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

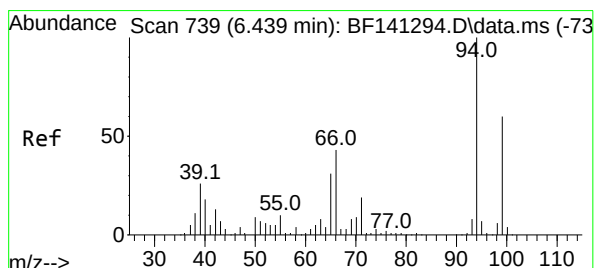
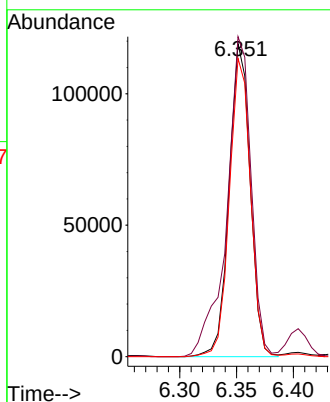
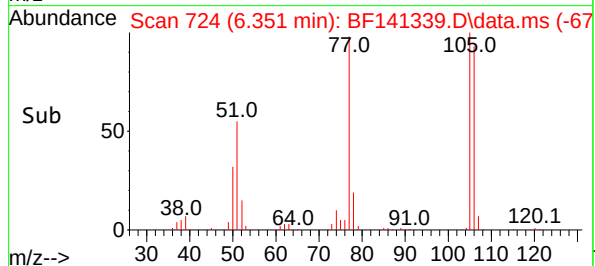
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion: 77 Resp: 153189
Ion Ratio Lower Upper
77 100
105 102.2 79.4 119.4
106 95.3 74.6 114.6

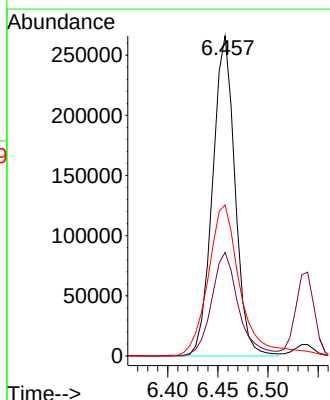
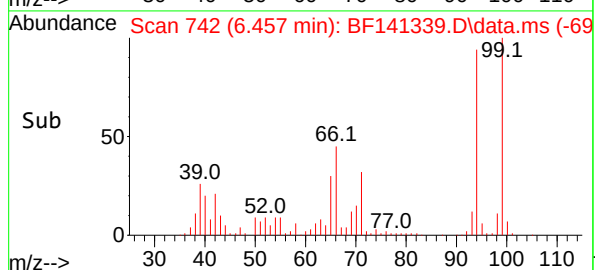
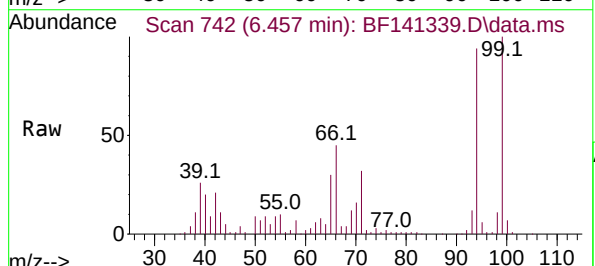
Manual Integrations
APPROVED

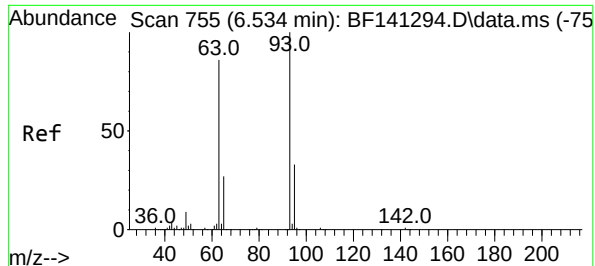
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 35.764 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion: 94 Resp: 413280
Ion Ratio Lower Upper
94 100
65 32.4 10.8 50.8
66 47.2 23.3 63.3





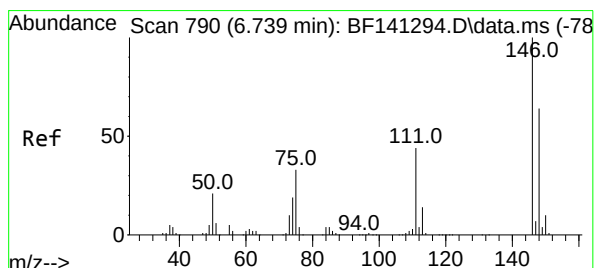
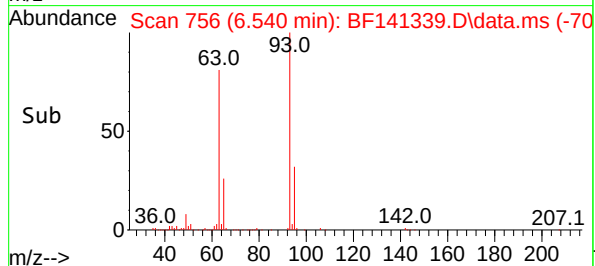
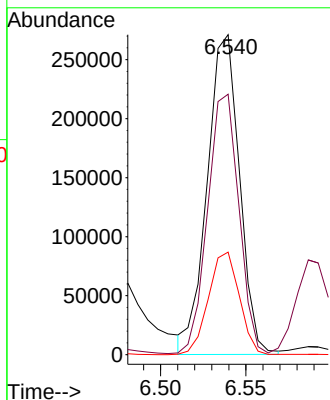
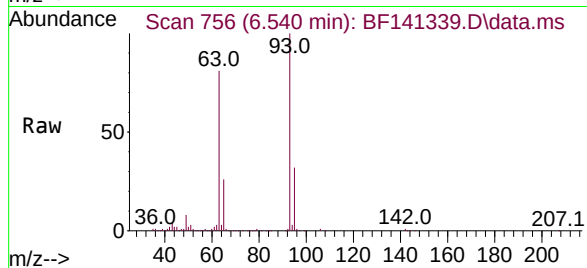
#11
bis(2-Chloroethyl)ether
Concen: 40.375 ng
RT: 6.540 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion: 93 Resp: 35773
Ion Ratio Lower Upper
93 100
63 81.4 65.0 105.0
95 32.1 12.4 52.4

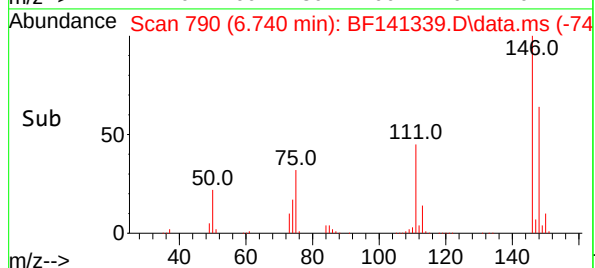
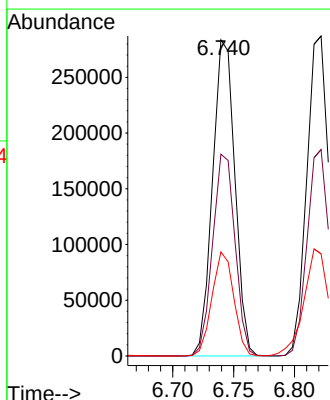
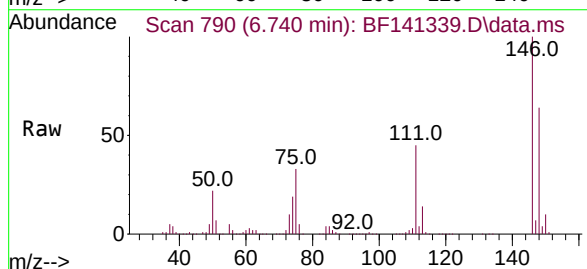
Manual Integrations
APPROVED

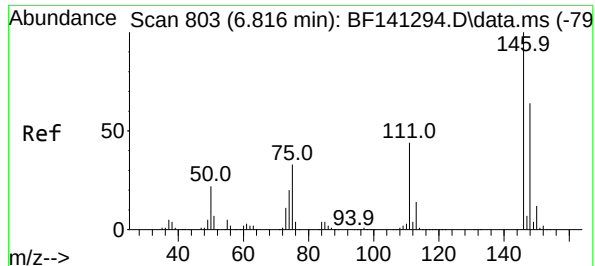
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 35.790 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:146 Resp: 362442
Ion Ratio Lower Upper
146 100
148 63.8 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 35.719 ng

RT: 6.822 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:146 Resp: 36338

Ion Ratio Lower Upper

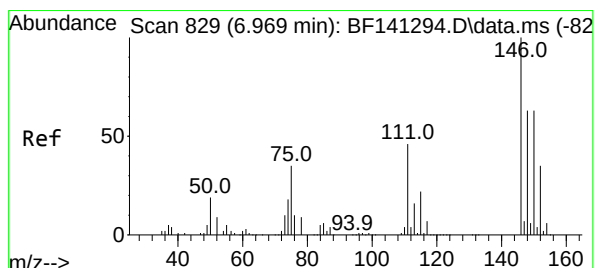
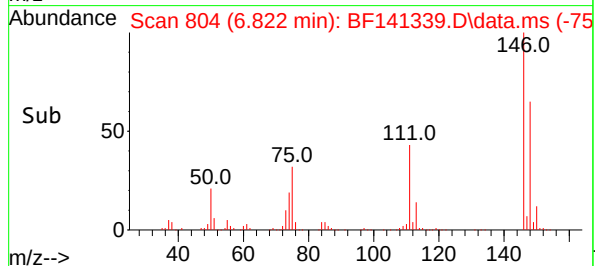
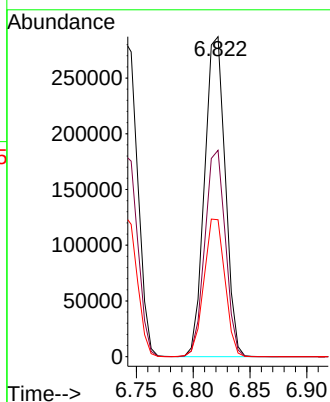
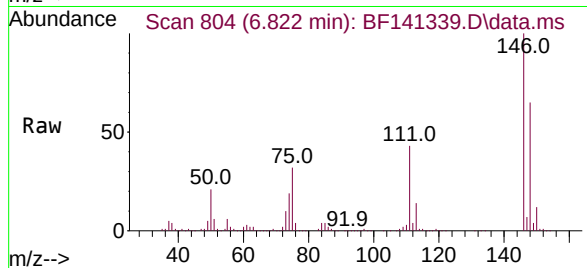
146 100

148 64.5 51.2 76.8

111 42.8 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#14

1,2-Dichlorobenzene

Concen: 36.070 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

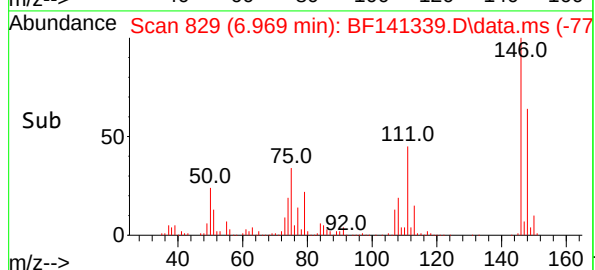
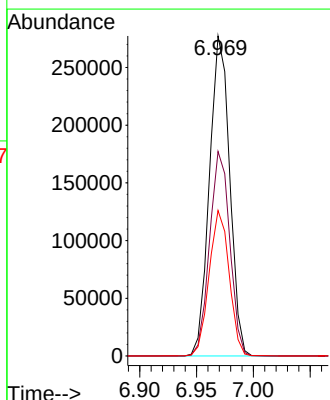
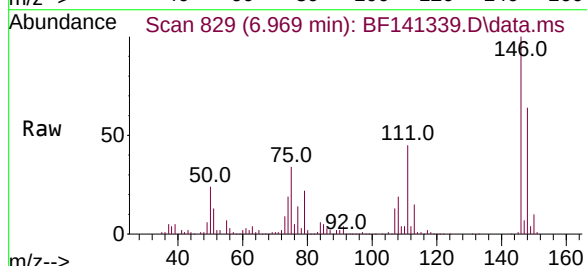
Tgt Ion:146 Resp: 343621

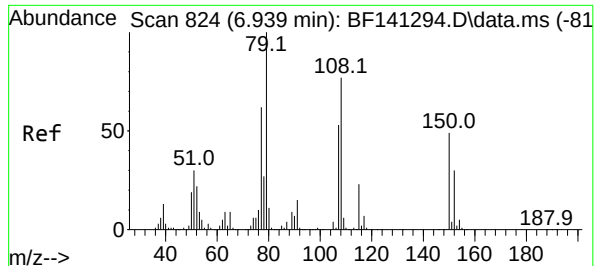
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 45.5 36.6 55.0





#15

Benzyl Alcohol

Concen: 39.023 ng

RT: 6.957 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 79 Resp: 29071

Ion Ratio Lower Upper

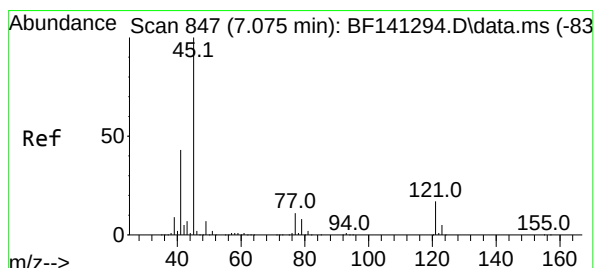
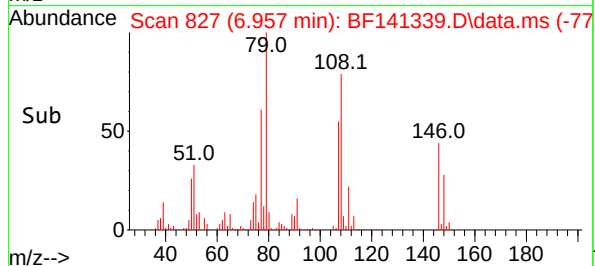
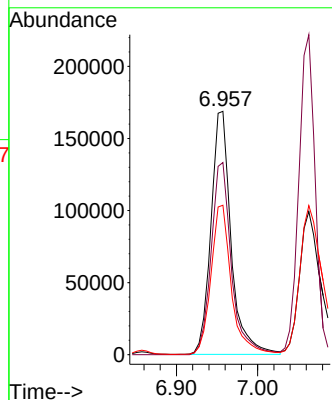
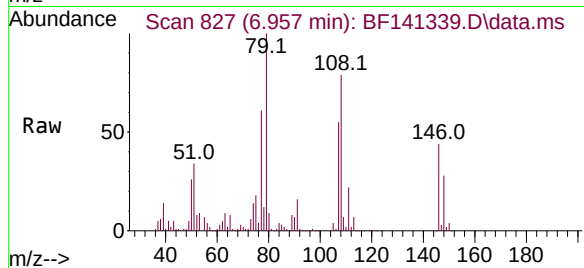
79 100

108 79.0 61.4 92.0

77 61.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.852 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

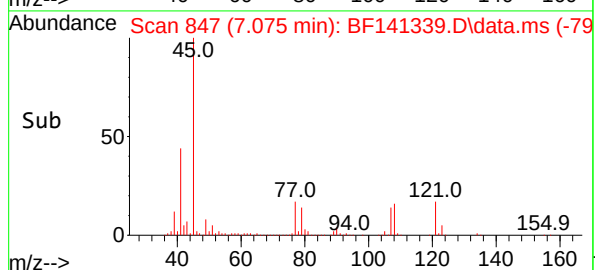
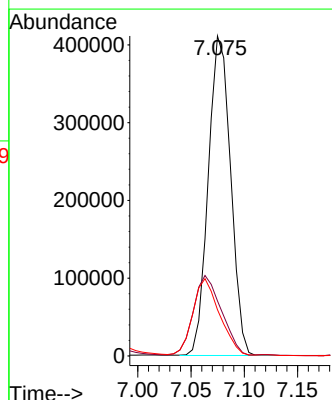
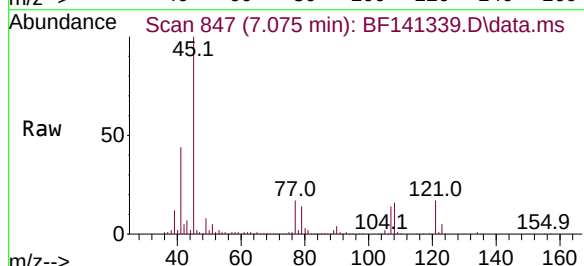
Tgt Ion: 45 Resp: 598595

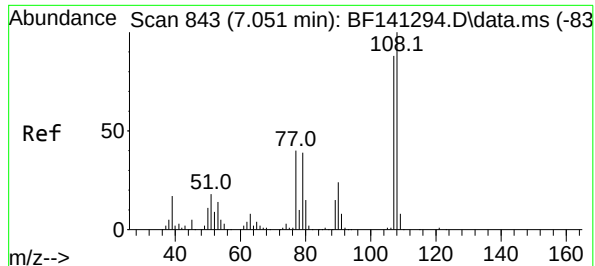
Ion Ratio Lower Upper

45 100

77 17.2 0.0 31.8

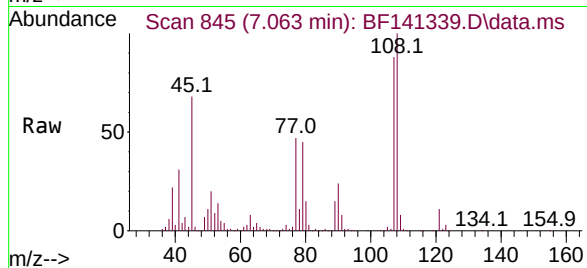
79 14.5 0.0 29.1





#17
2-Methylphenol
Concen: 36.294 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

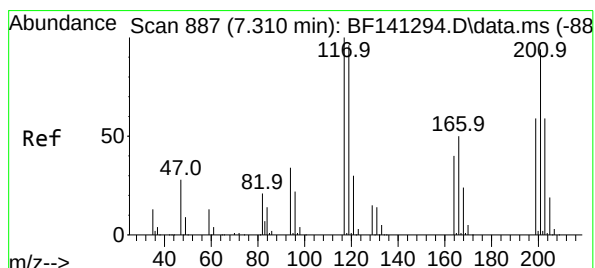
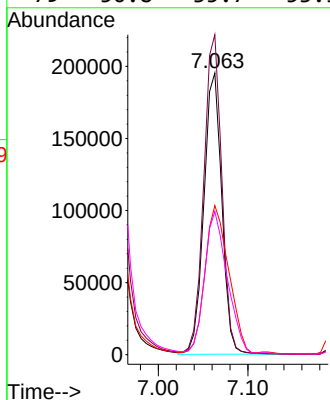
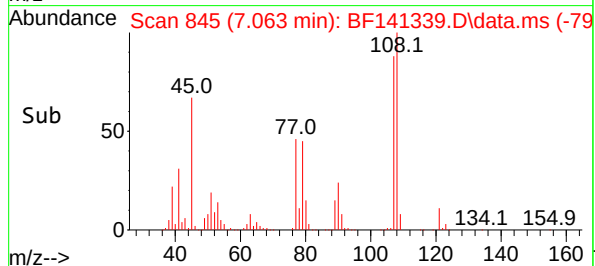
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:107 Resp: 27092
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 52.9 36.2 54.4
79 50.8 35.7 53.5

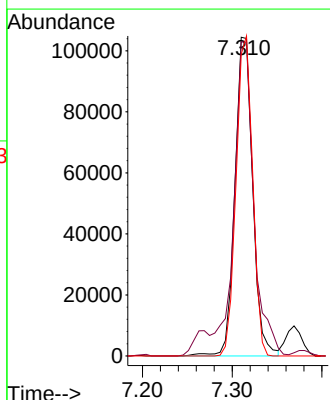
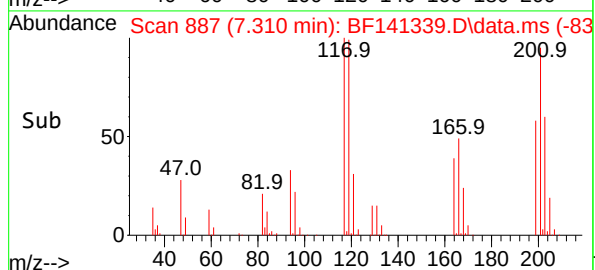
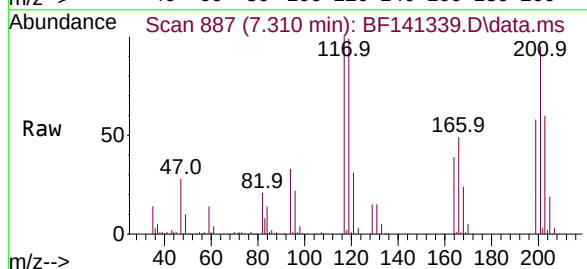
Manual Integrations
APPROVED

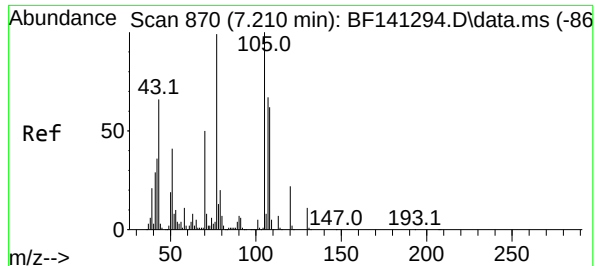
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 38.303 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:117 Resp: 143756
Ion Ratio Lower Upper
117 100
119 98.5 76.6 114.8
201 94.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 37.144 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141339.D

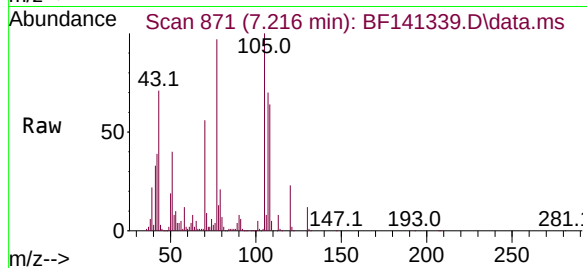
Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS



Tgt Ion: 70 Resp: 240598

Ion Ratio Lower Upper

70 100

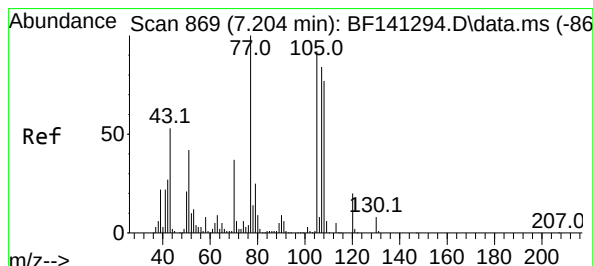
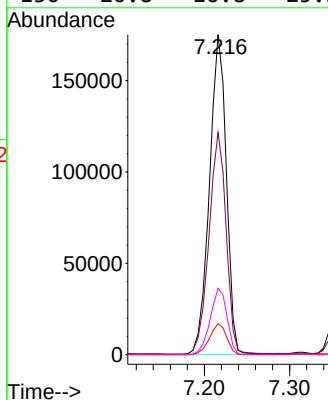
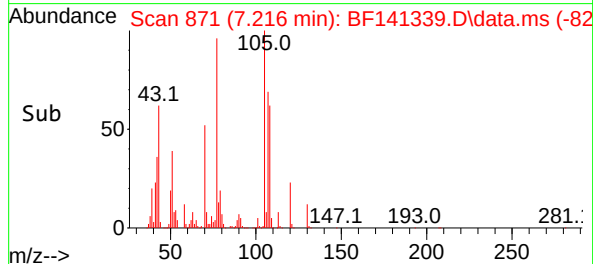
42 69.5 56.8 85.2

101 9.7 7.7 11.5

130 20.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#20

3+4-Methylphenols

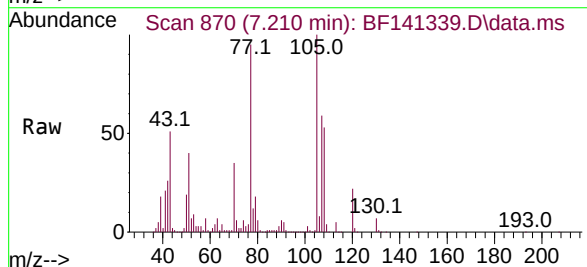
Concen: 35.496 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44



Tgt Ion:107 Resp: 325334

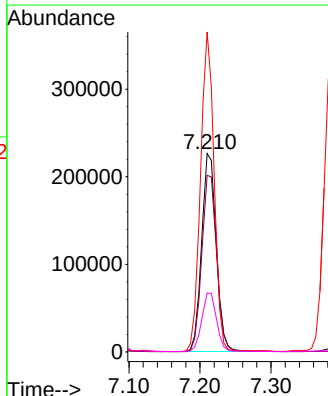
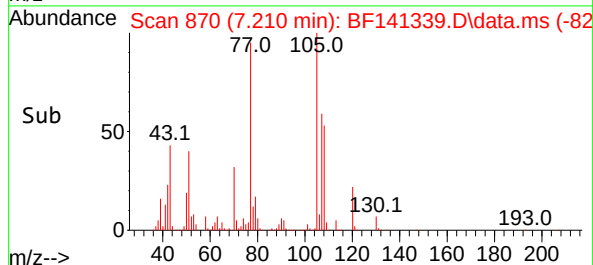
Ion Ratio Lower Upper

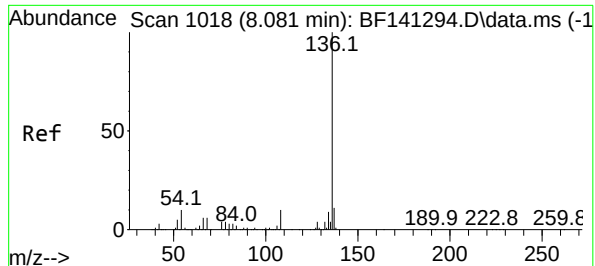
107 100

108 89.1 70.9 110.9

77 161.3 98.5 138.5#

79 29.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141339.D

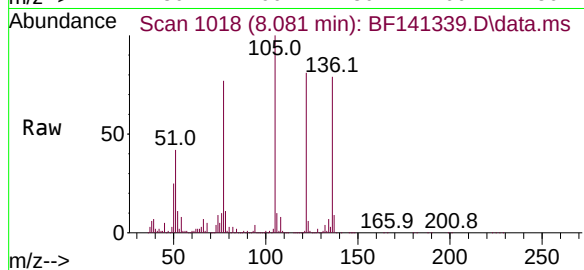
Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS



Tgt Ion:136 Resp: 43447

Ion Ratio Lower Upper

136 100

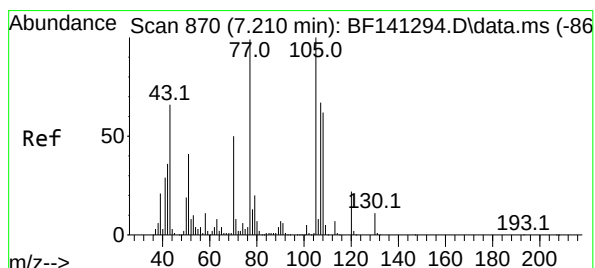
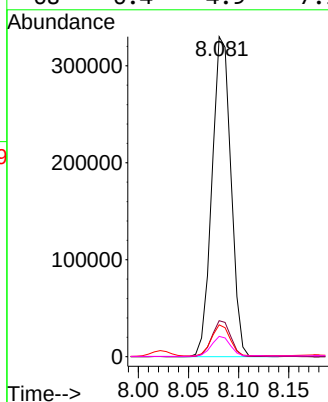
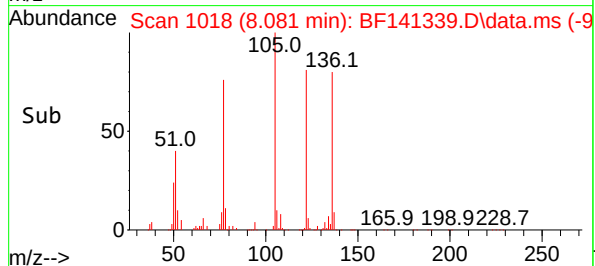
137 11.3 8.6 13.0

54 10.0 7.8 11.8

68 6.4 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

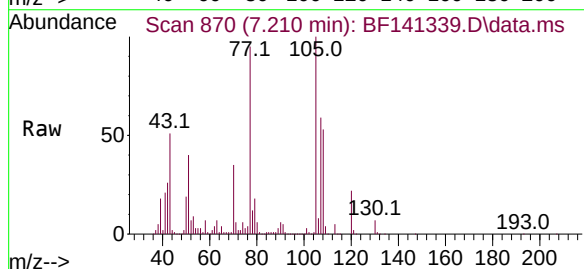
Concen: 49.252 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44



Tgt Ion:105 Resp: 508642

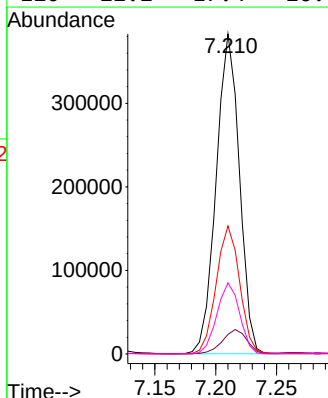
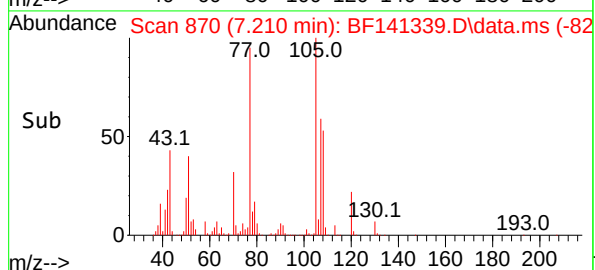
Ion Ratio Lower Upper

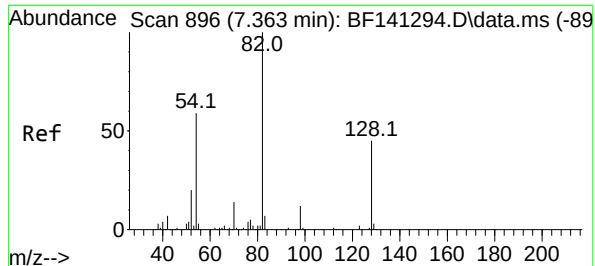
105 100

71 6.1 6.8 10.2#

51 40.0 32.6 49.0

120 22.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.850 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion: 82 Resp: 765234

Ion Ratio Lower Upper

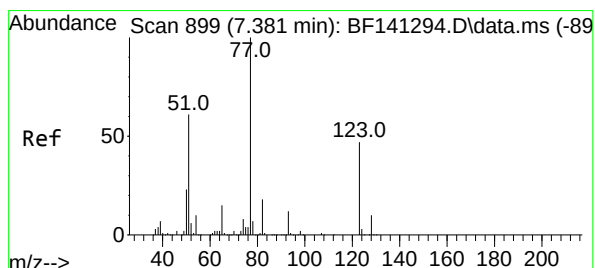
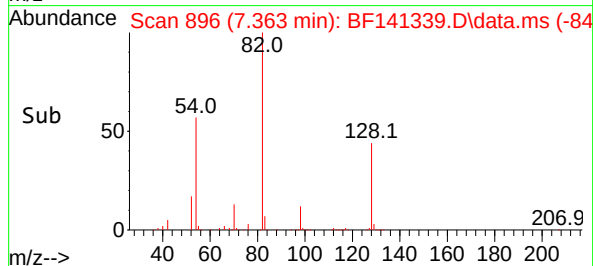
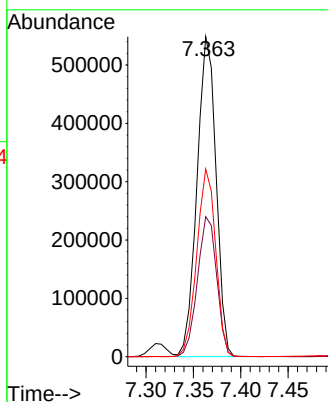
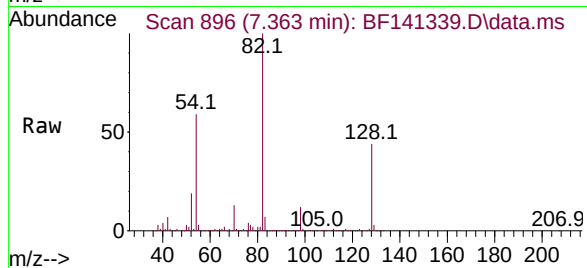
82 100

128 43.8 35.7 53.5

54 58.6 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#24

Nitrobenzene

Concen: 47.643 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

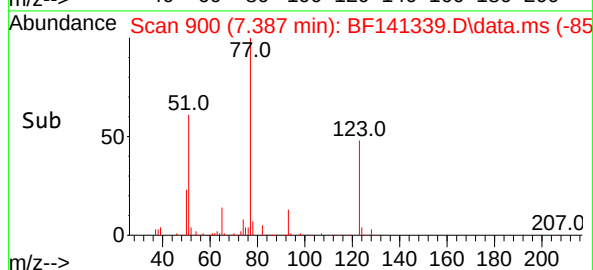
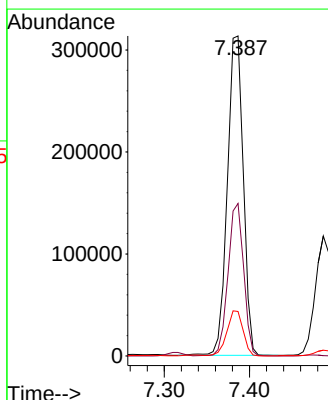
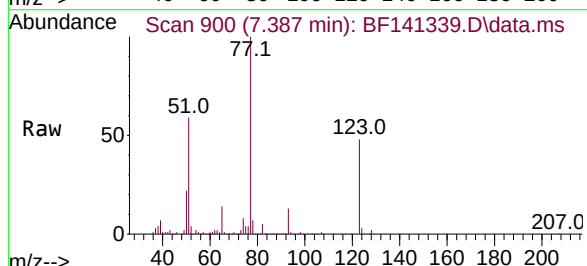
Tgt Ion: 77 Resp: 406912

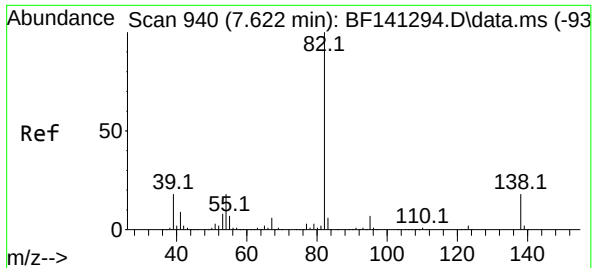
Ion Ratio Lower Upper

77 100

123 47.7 37.3 55.9

65 13.9 11.8 17.6





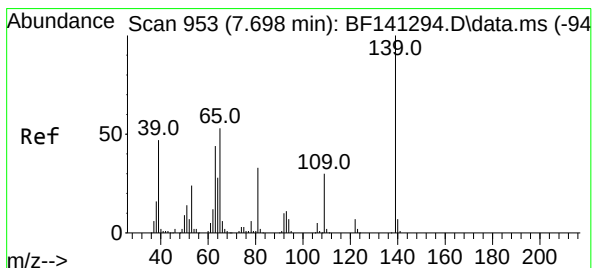
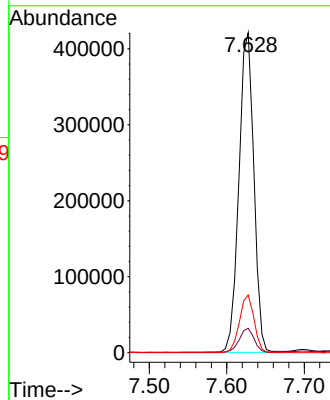
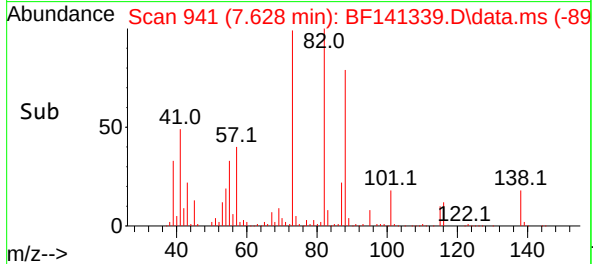
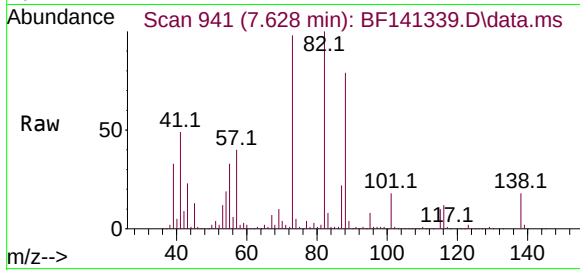
#25
Isophorone
Concen: 39.690 ng
RT: 7.628 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion: 82 Resp: 565439
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.6
138 18.0 14.7 22.1

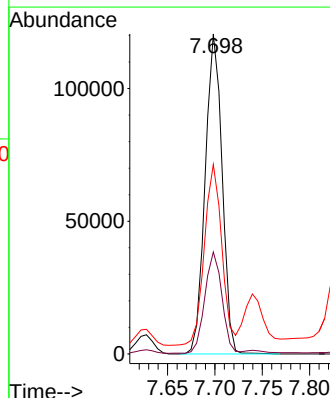
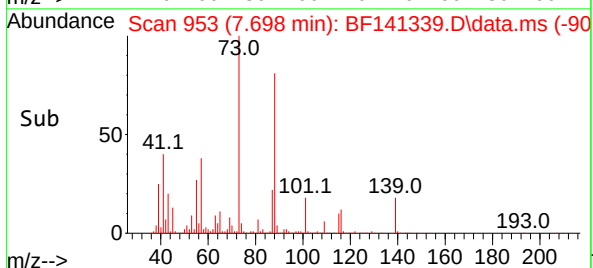
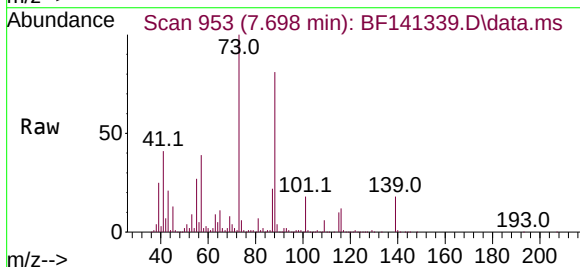
Manual Integrations
APPROVED

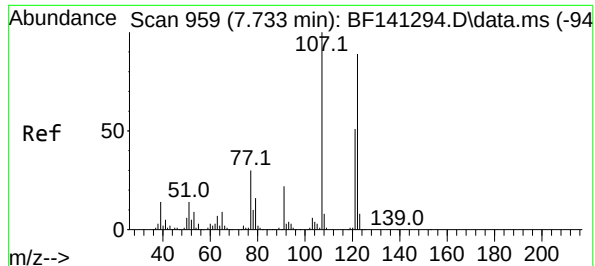
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 37.190 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:139 Resp: 149802
Ion Ratio Lower Upper
139 100
109 31.8 23.8 35.6
65 59.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 43.614 ng m

RT: 7.739 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:122 Resp: 223609

Ion Ratio Lower Upper

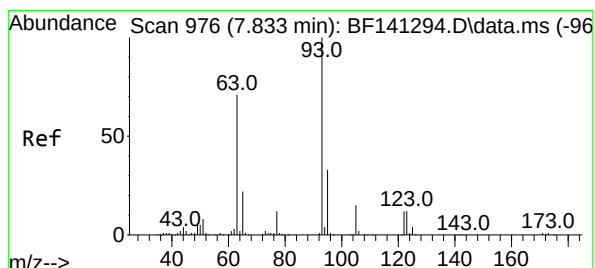
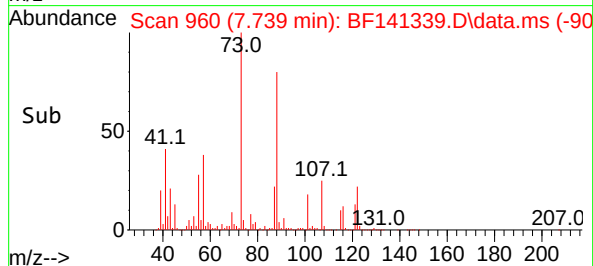
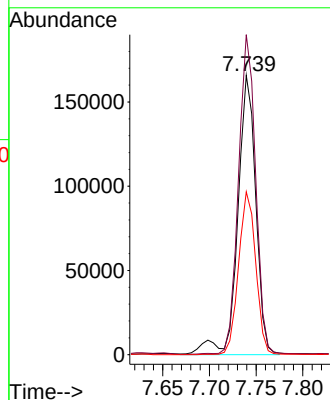
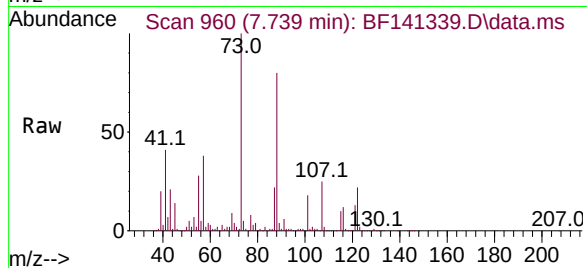
122 100

107 114.6 89.9 134.9

121 58.3 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

Concen: 32.783 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

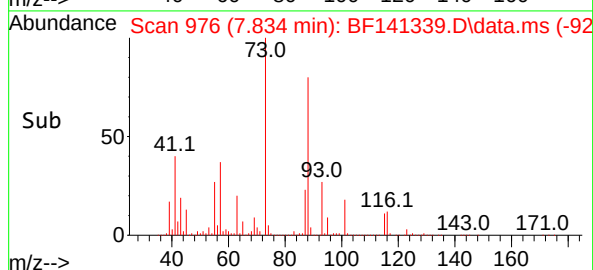
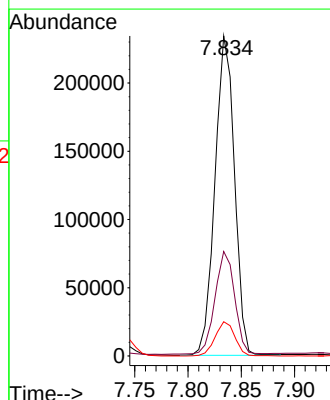
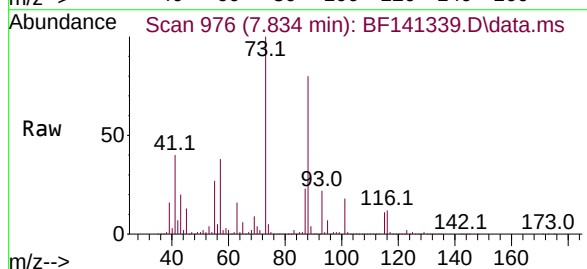
Tgt Ion: 93 Resp: 297915

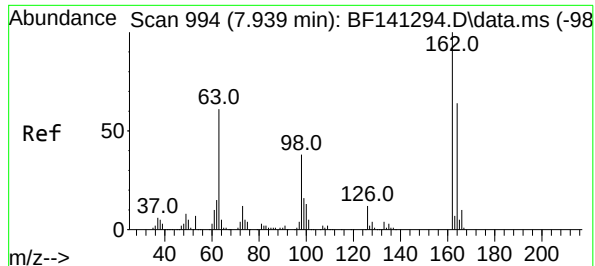
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 10.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.317 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:162 Resp: 25932

Ion Ratio Lower Upper

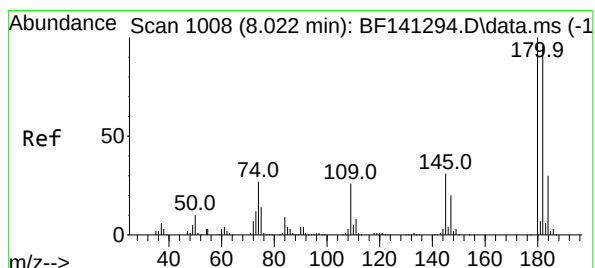
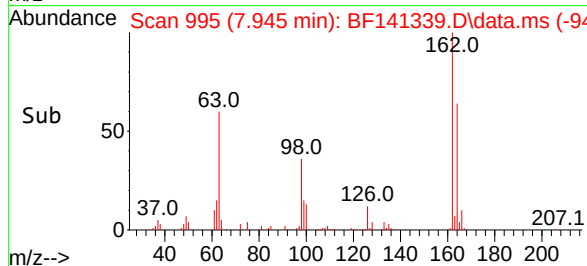
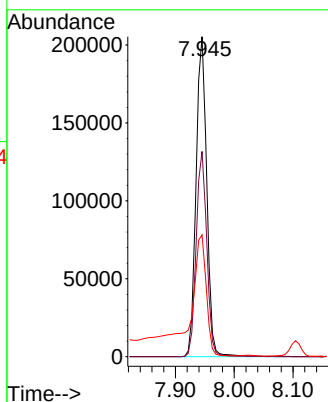
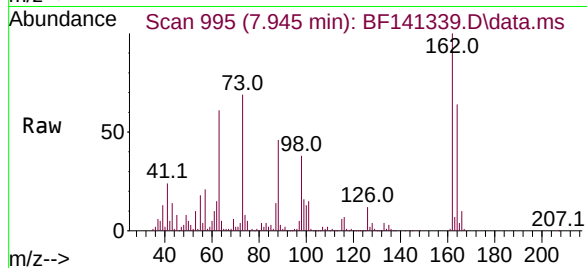
162 100

164 64.1 44.2 84.2

98 38.0 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 39.819 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

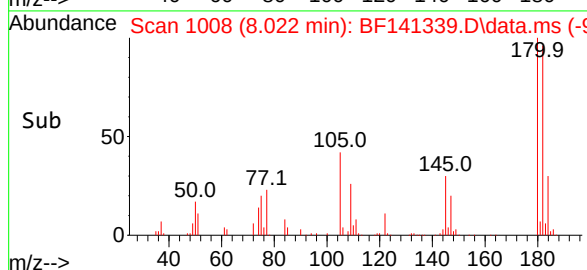
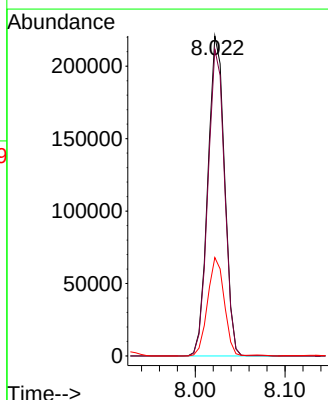
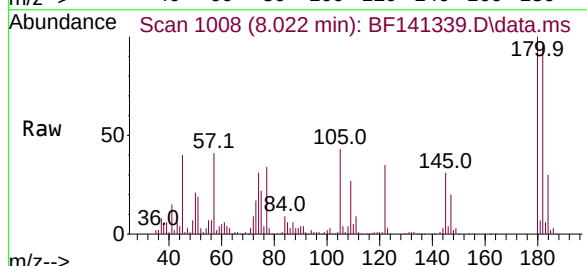
Tgt Ion:180 Resp: 285426

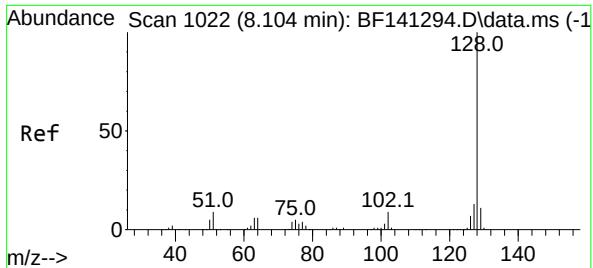
Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

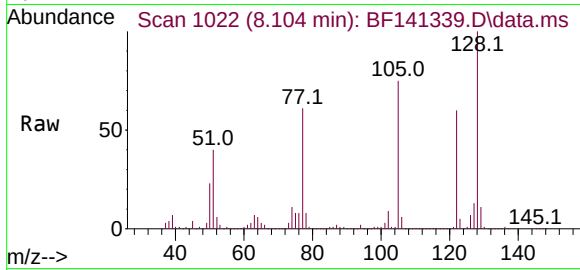
145 30.7 24.9 37.3





#31
Naphthalene
Concen: 38.417 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

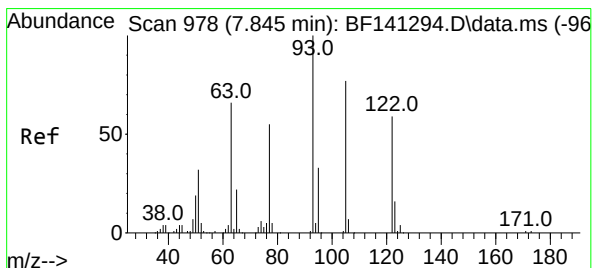
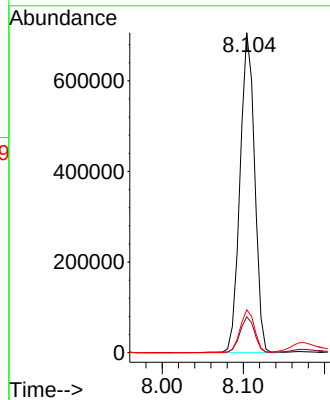
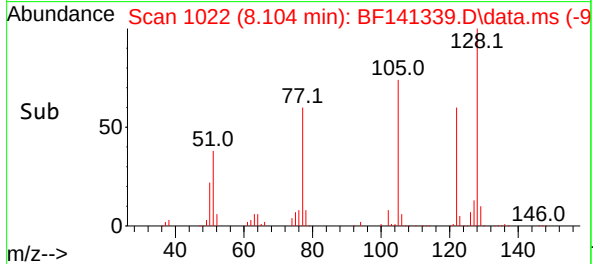
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:128 Resp: 881744
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.4 10.6 15.8

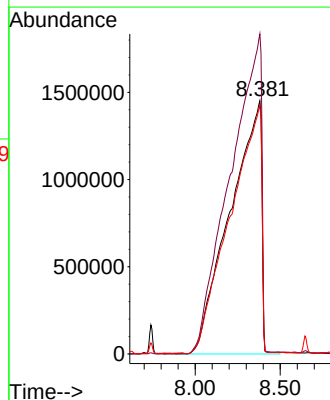
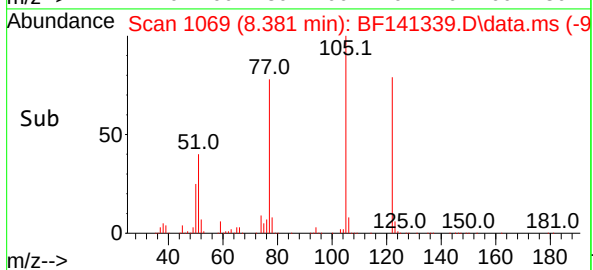
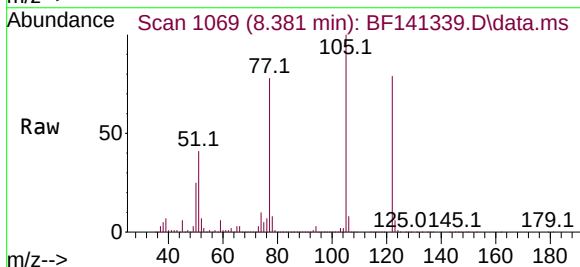
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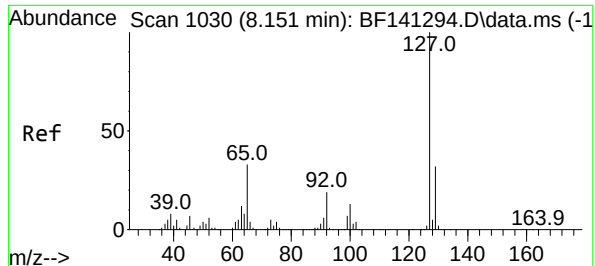
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 3944.485 ng m
RT: 8.381 min Scan# 1069
Delta R.T. 0.500 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:122 Resp:18590870
Ion Ratio Lower Upper
122 100
105 126.4 103.4 143.4
77 98.1 70.9 110.9





#33

4-Chloroaniline

Concen: 10.555 ng

RT: 8.175 min Scan# 1030

Delta R.T. 0.018 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:127 Resp: 8215

Ion Ratio Lower Upper

127 100

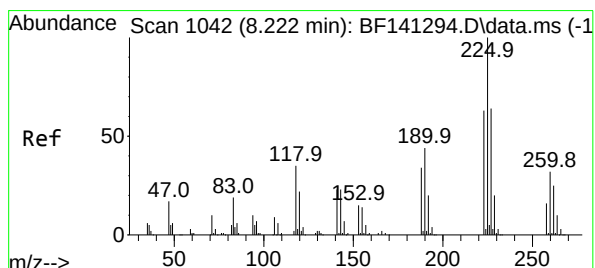
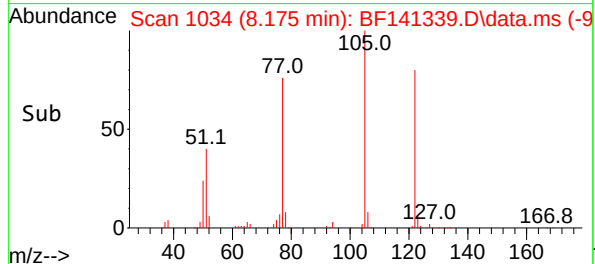
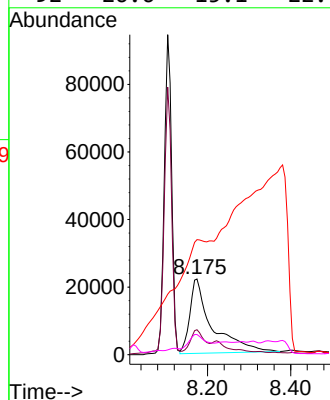
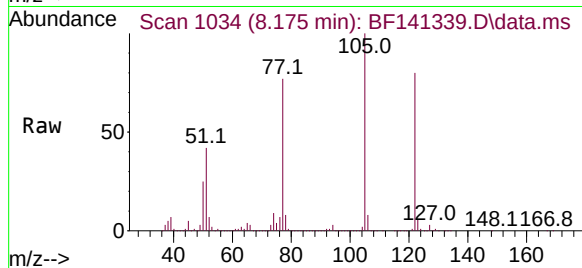
129 33.1 25.7 38.5

65 151.9 26.4 39.6

92 26.6 15.1 22.7#

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#34

Hexachlorobutadiene

Concen: 34.219 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

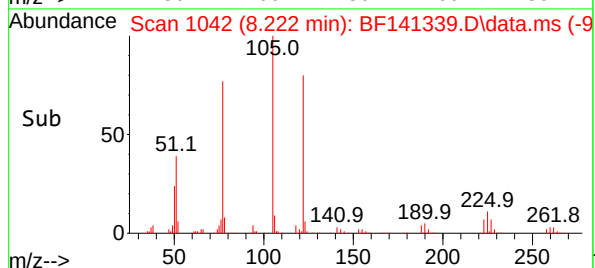
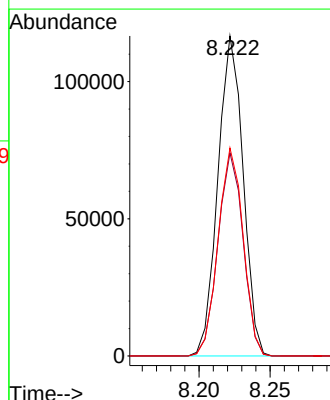
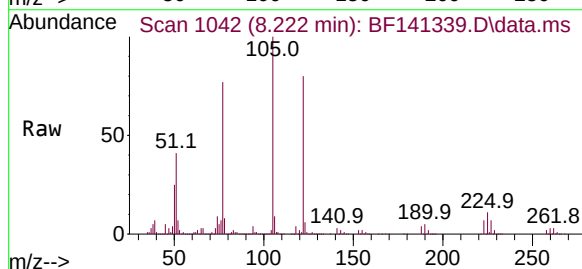
Tgt Ion:225 Resp: 143844

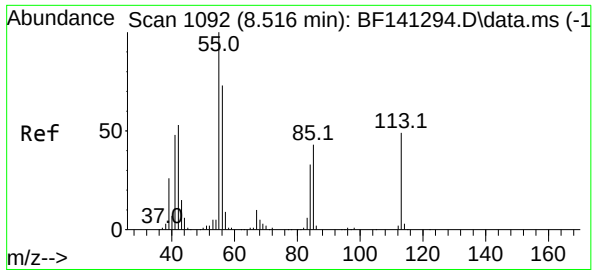
Ion Ratio Lower Upper

225 100

223 63.4 50.4 75.6

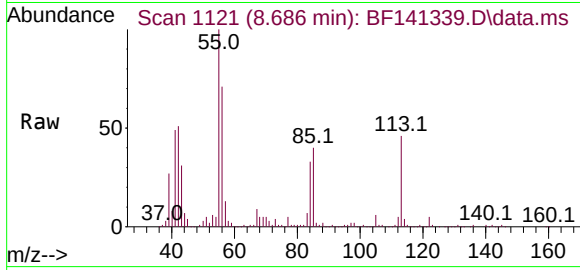
227 65.0 51.3 76.9





#35
 Caprolactam
 Concen: 34.511 ng
 RT: 8.686 min Scan# 1114
 Delta R.T. 0.141 min
 Lab File: BF141339.D
 Acq: 31 Jan 2025 18:44

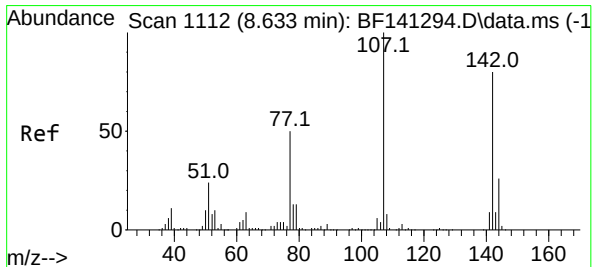
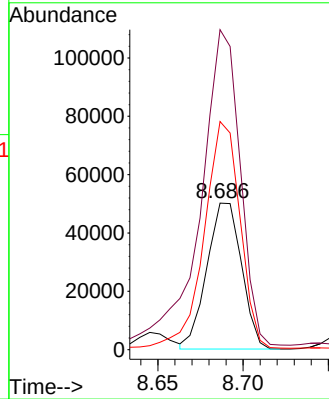
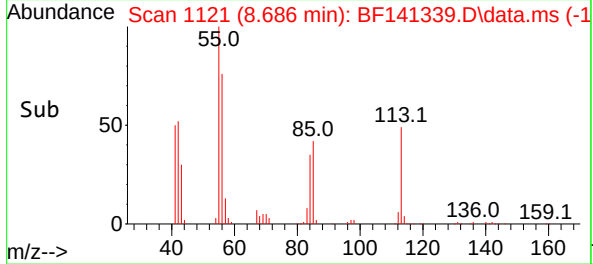
Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MS



Tgt Ion:113 Resp: 7074
 Ion Ratio Lower Upper
 113 100
 55 218.3 182.9 222.9
 56 155.6 127.9 167.9

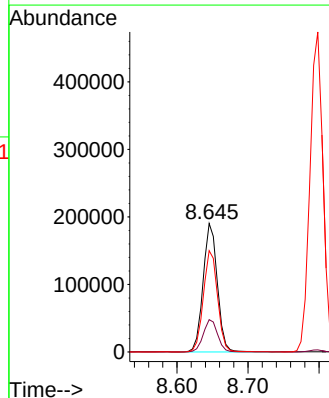
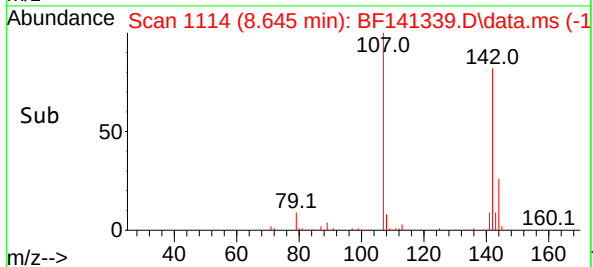
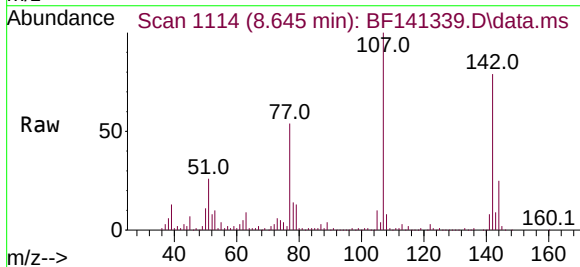
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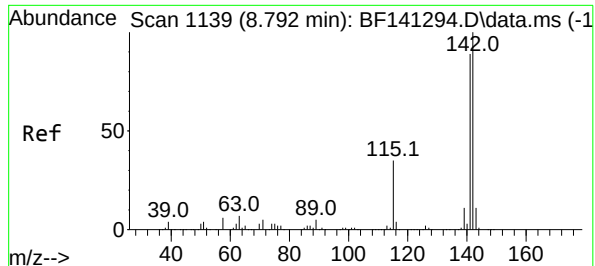
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#36
 4-Chloro-3-methylphenol
 Concen: 39.508 ng
 RT: 8.645 min Scan# 1114
 Delta R.T. 0.006 min
 Lab File: BF141339.D
 Acq: 31 Jan 2025 18:44

Tgt Ion:107 Resp: 265987
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.7 31.1
 142 78.8 63.8 95.8





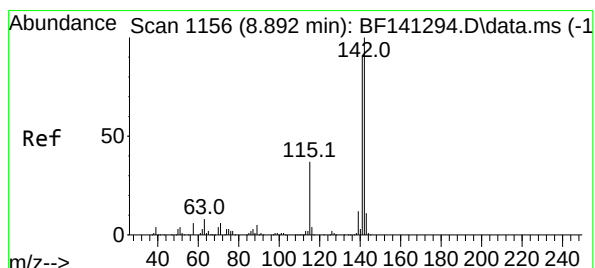
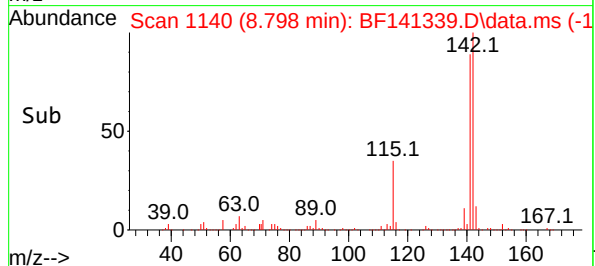
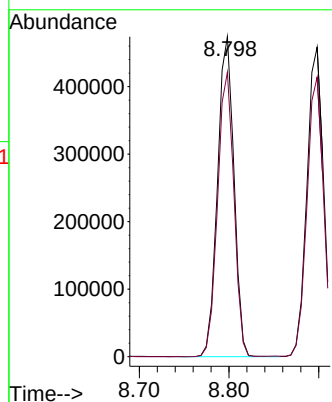
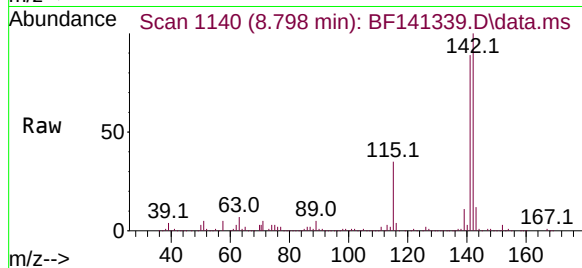
#37
2-Methylnaphthalene
Concen: 41.162 ng
RT: 8.798 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion:142 Resp: 60046
Ion Ratio Lower Upper
142 100
141 88.9 71.3 106.9

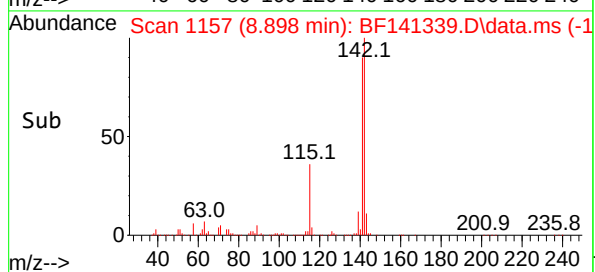
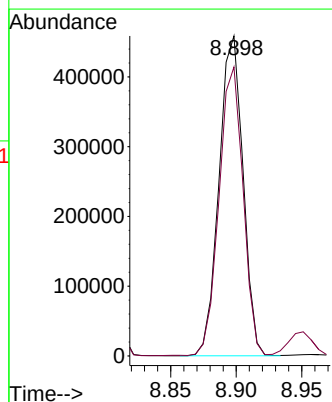
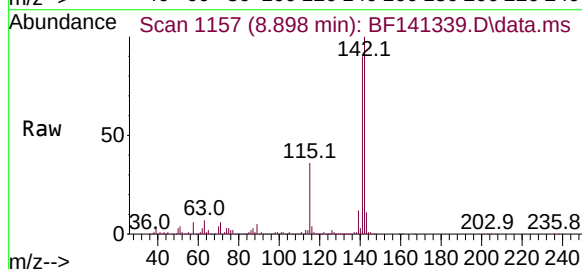
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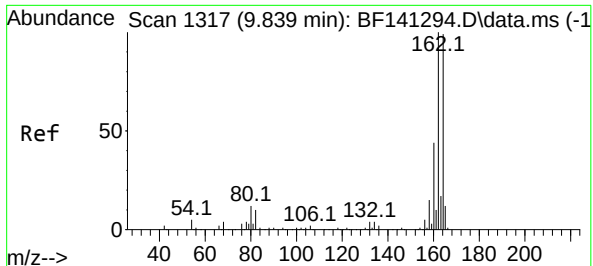
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 40.664 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:142 Resp: 582706
Ion Ratio Lower Upper
142 100
141 90.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141339.D

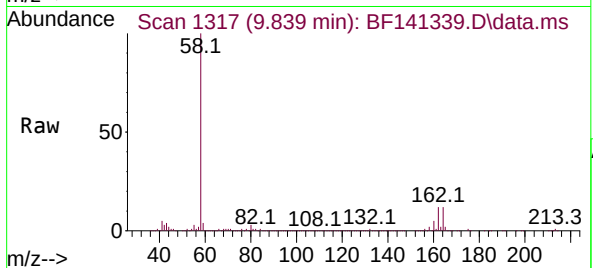
Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS



Tgt Ion:164 Resp: 20886

Ion Ratio Lower Upper

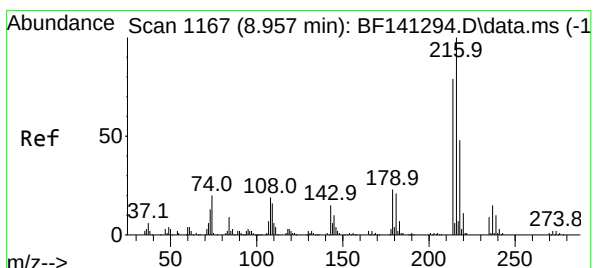
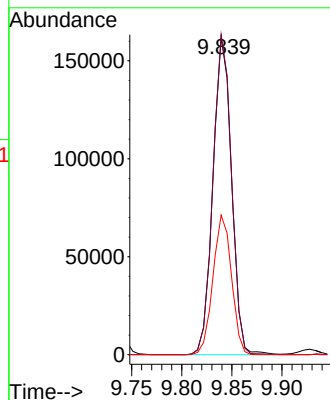
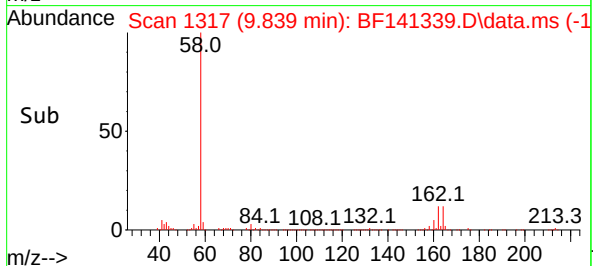
164 100

162 100.9 80.6 121.0

160 44.0 35.8 53.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

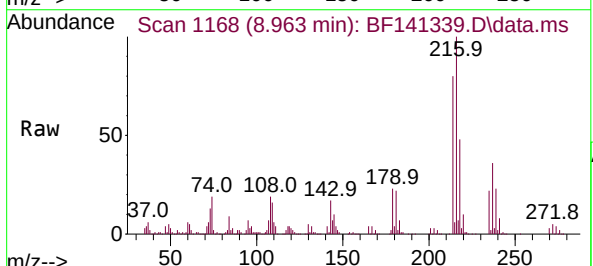
Concen: 50.968 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44



Tgt Ion:216 Resp: 302846

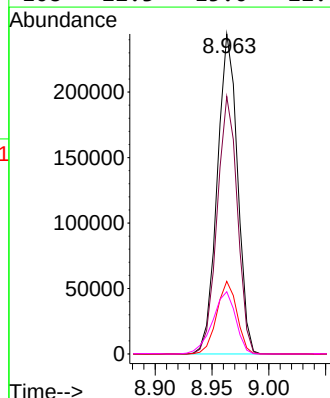
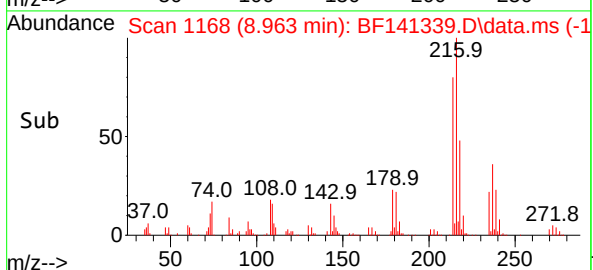
Ion Ratio Lower Upper

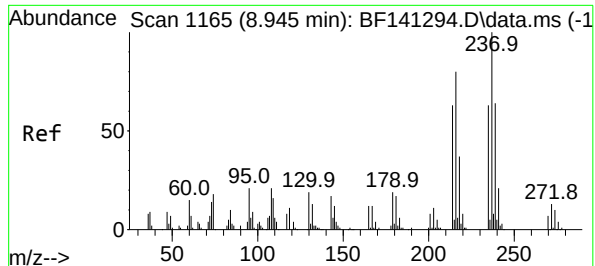
216 100

214 80.1 63.2 94.8

179 22.6 17.8 26.8

108 22.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 205.225 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:237 Resp: 360130

Ion Ratio Lower Upper

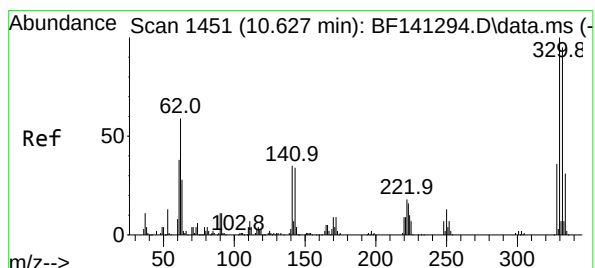
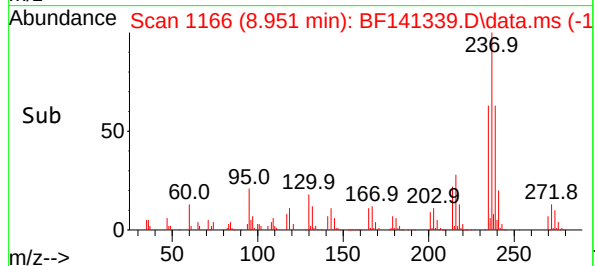
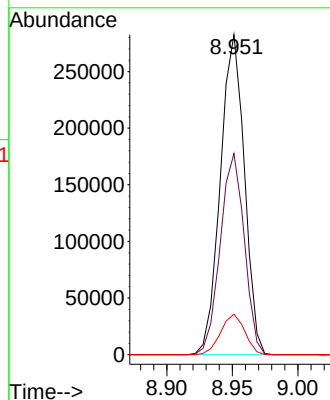
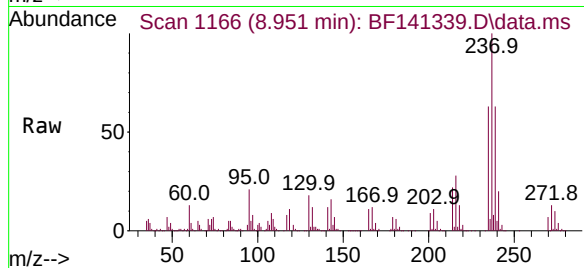
237 100

235 62.8 42.9 82.9

272 12.7 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 120.428 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

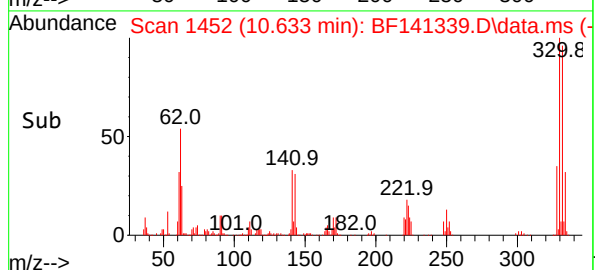
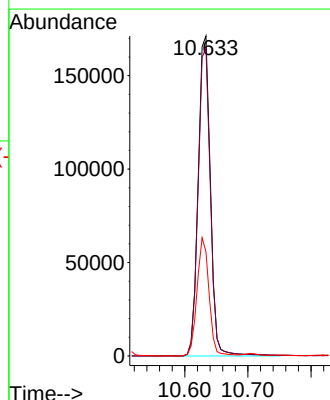
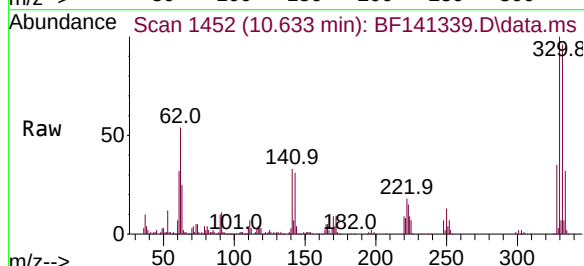
Tgt Ion:330 Resp: 230592

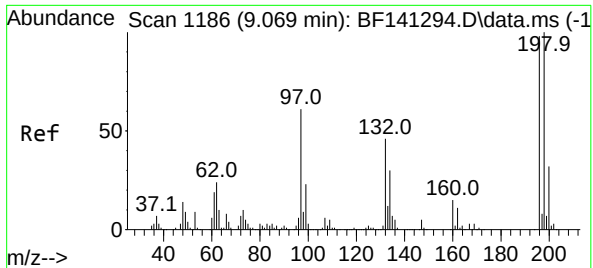
Ion Ratio Lower Upper

330 100

332 96.8 76.1 114.1

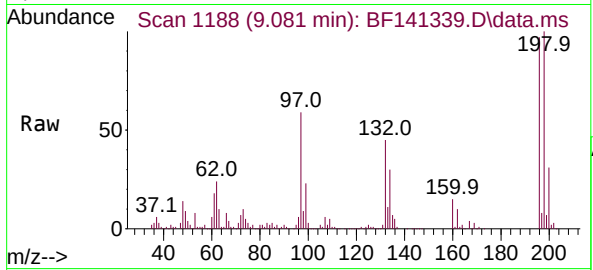
141 36.3 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 46.415 ng
RT: 9.081 min Scan# 1188
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

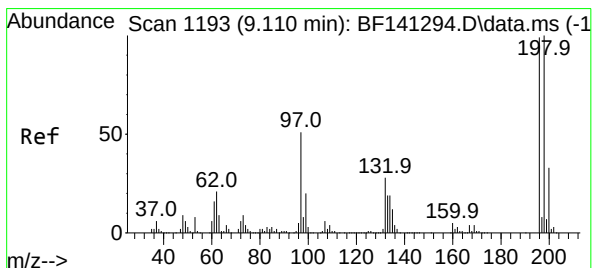
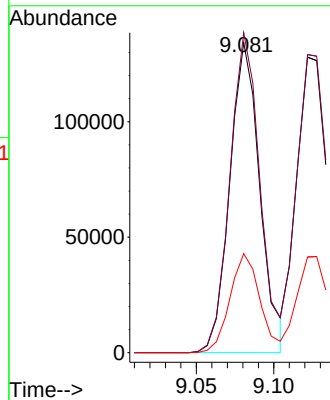
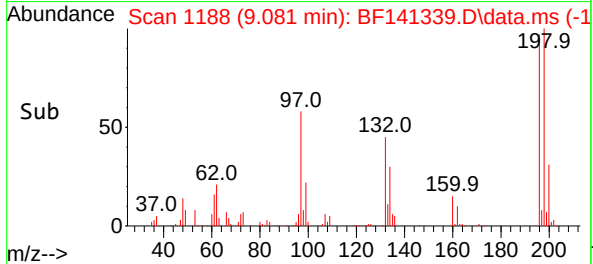
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



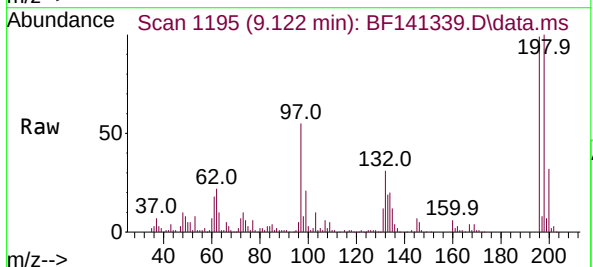
Tgt Ion:196 Resp: 18051
Ion Ratio Lower Upper
196 100
198 103.2 81.8 122.6
200 32.0 26.3 39.5

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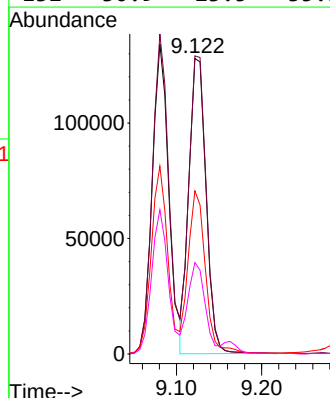
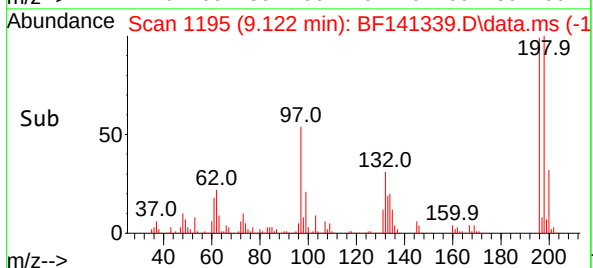
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

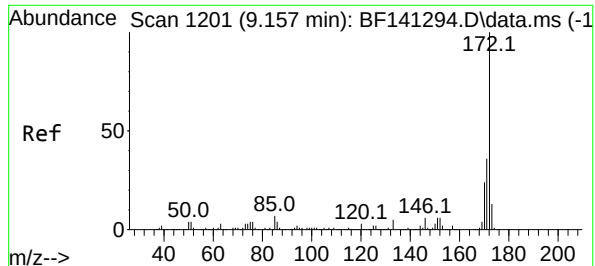


#44
2,4,5-Trichlorophenol
Concen: 42.443 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:196 Resp: 179658
Ion Ratio Lower Upper
196 100
198 100.9 80.5 120.7
97 55.2 42.8 64.2
132 30.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 92.560 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:172 Resp: 1255992

Ion Ratio Lower Upper

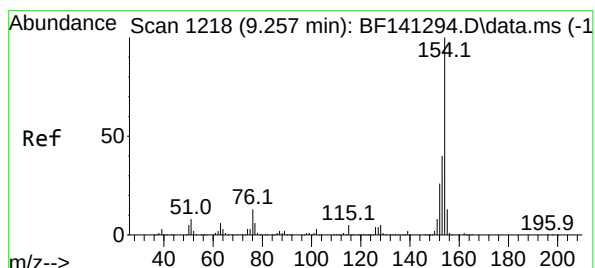
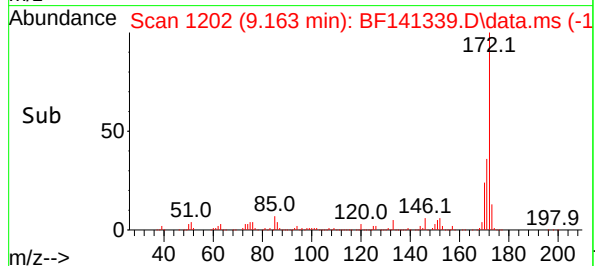
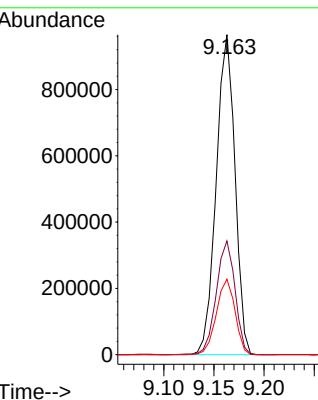
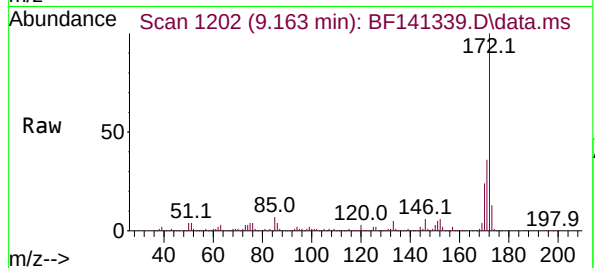
172 100

171 35.5 28.8 43.2

170 23.6 19.0 28.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 50.887 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

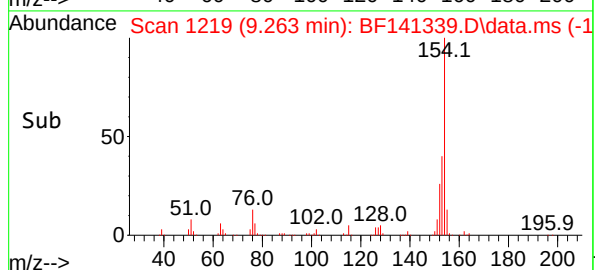
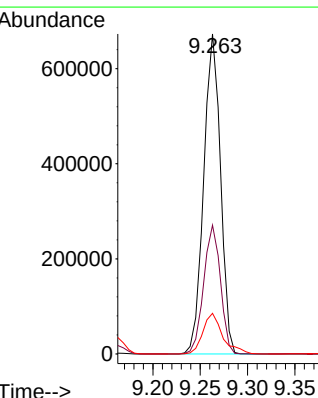
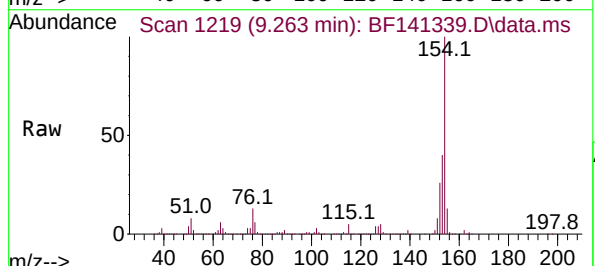
Tgt Ion:154 Resp: 828878

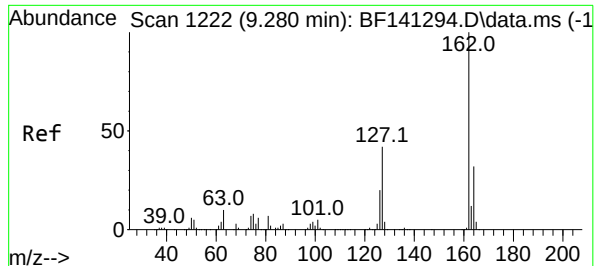
Ion Ratio Lower Upper

154 100

153 40.3 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 43.629 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:162 Resp: 553920

Ion Ratio Lower Upper

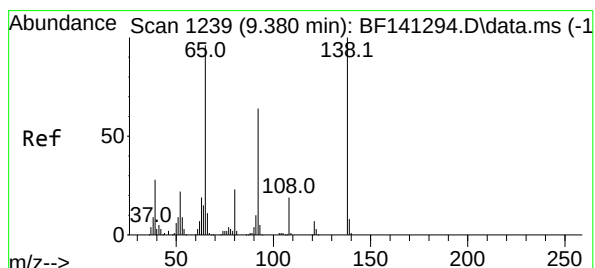
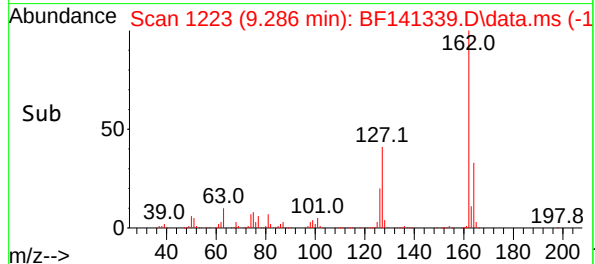
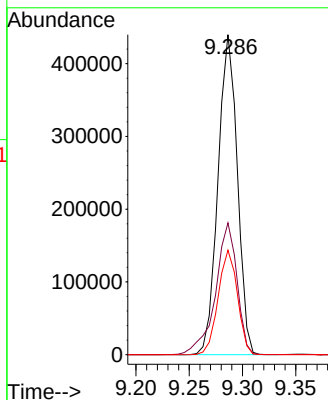
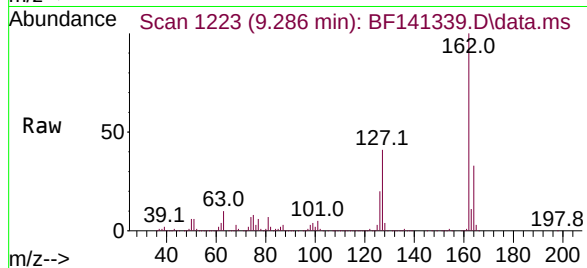
162 100

127 41.2 33.7 50.5

164 32.6 25.9 38.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 34.927 ng

RT: 9.386 min Scan# 1240

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

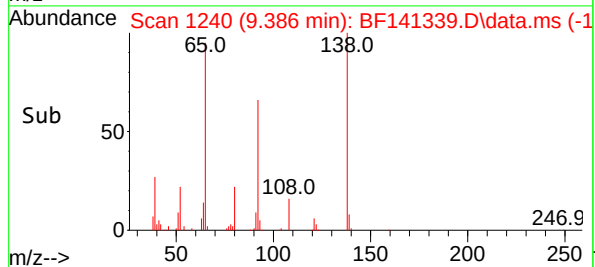
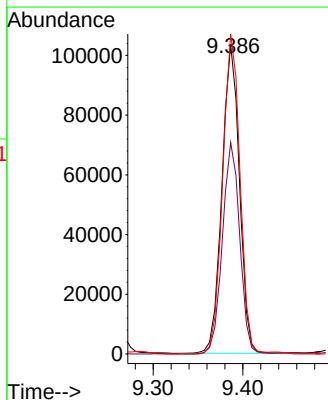
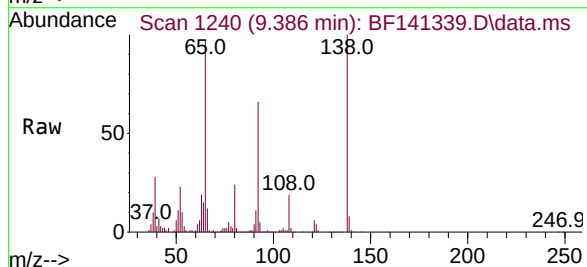
Tgt Ion: 65 Resp: 139480

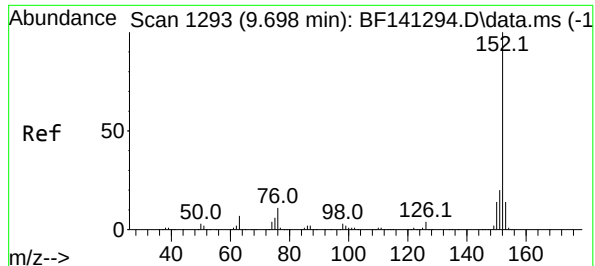
Ion Ratio Lower Upper

65 100

92 68.3 53.3 79.9

138 103.4 83.6 125.4





#49

Acenaphthylene

Concen: 44.453 ng

RT: 9.704 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:152 Resp: 79002

Ion Ratio Lower Upper

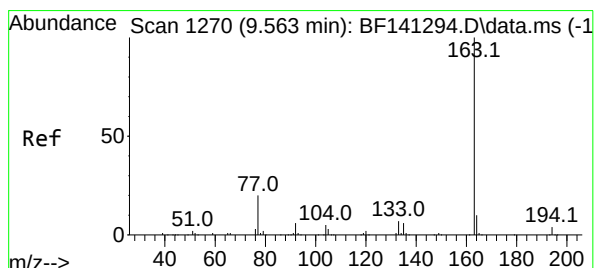
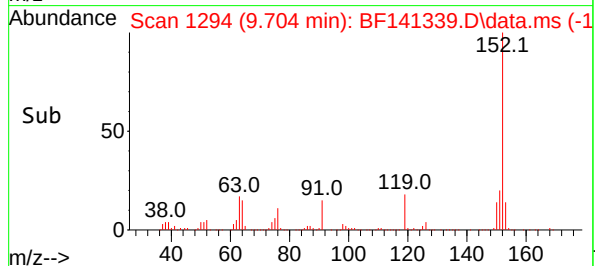
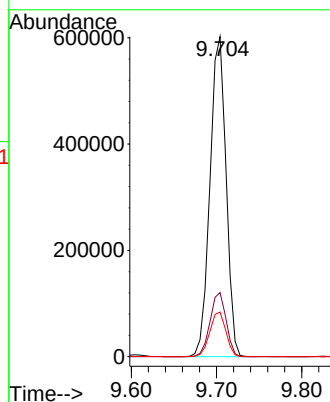
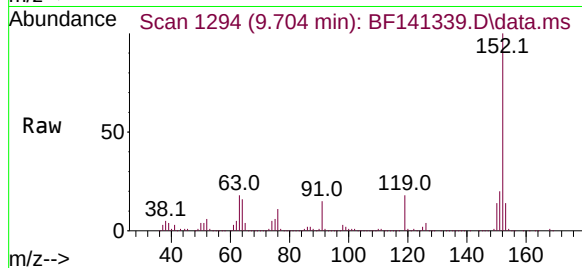
152 100

151 20.1 16.2 24.2

153 13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

Concen: 41.744 ng

RT: 9.569 min Scan# 1271

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

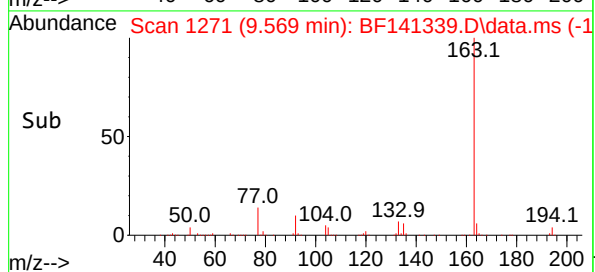
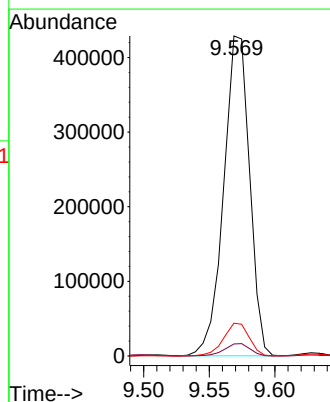
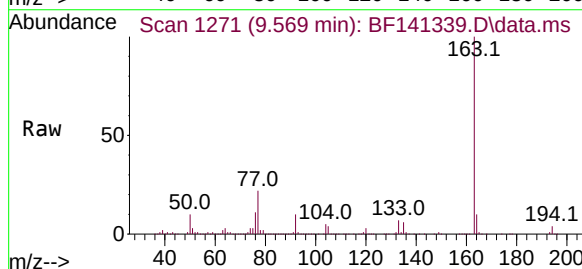
Tgt Ion:163 Resp: 588865

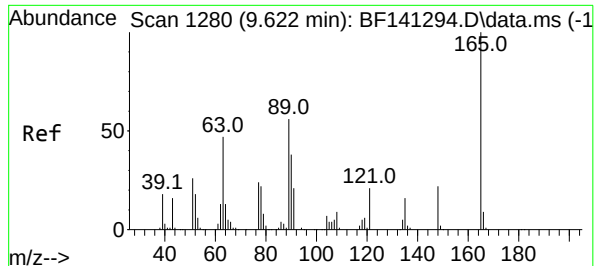
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.3 8.0 12.0





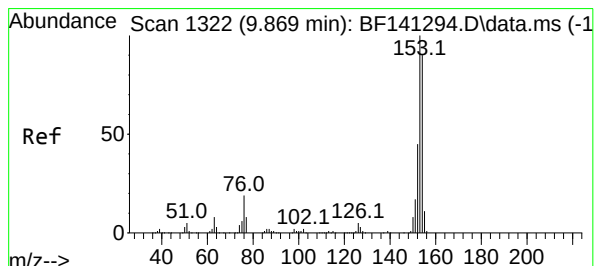
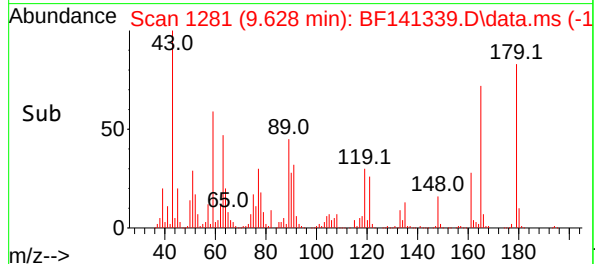
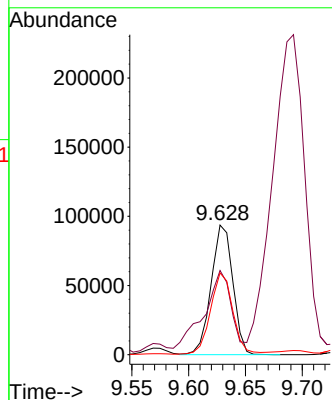
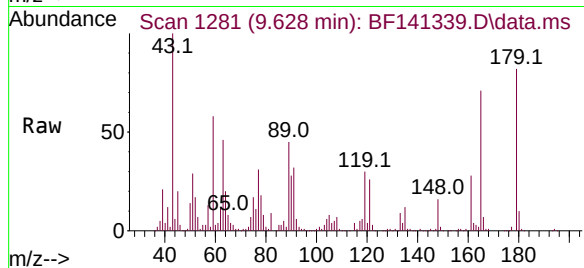
#51
2,6-Dinitrotoluene
Concen: 38.021 ng
RT: 9.628 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion:165 Resp: 12453
Ion Ratio Lower Upper
165 100
63 64.9 48.1 72.1
89 63.0 44.9 67.3

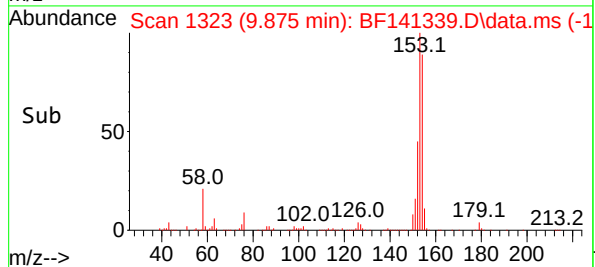
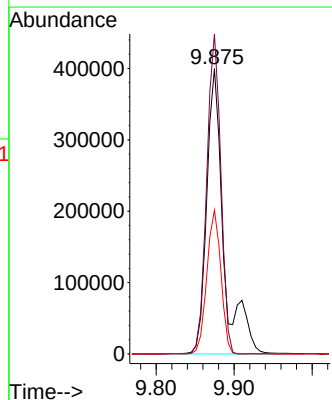
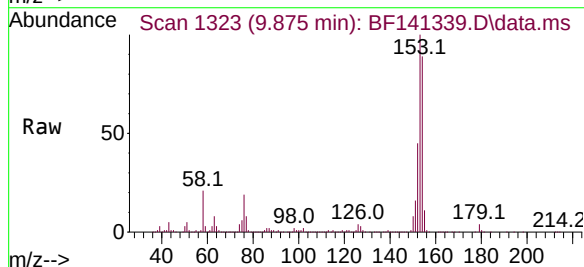
Manual Integrations
APPROVED

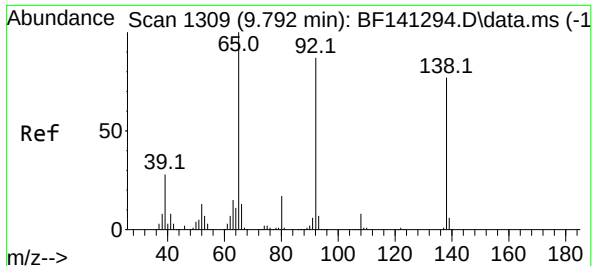
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 47.672 ng m
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:154 Resp: 605265
Ion Ratio Lower Upper
154 100
153 112.2 89.0 133.4
152 50.4 40.2 60.4





#53

3-Nitroaniline

Concen: 11.394 ng

RT: 9.798 min Scan# 1310

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:138 Resp: 3657

Ion Ratio Lower Upper

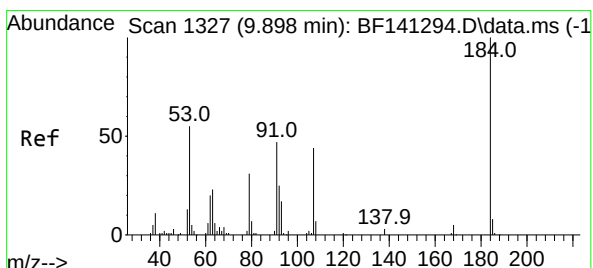
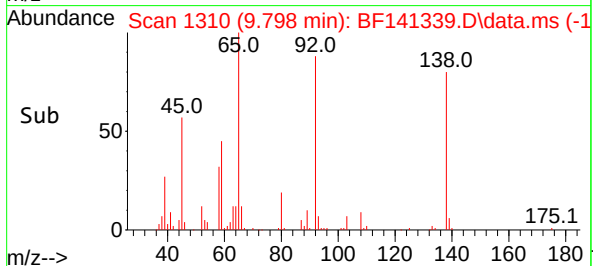
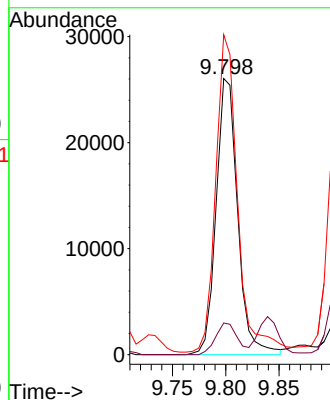
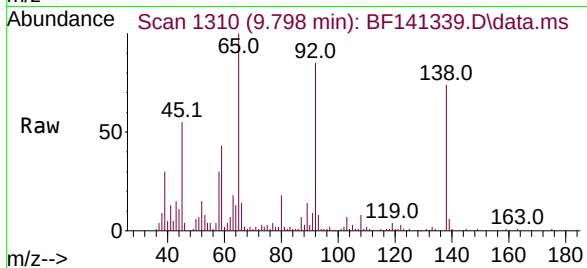
138 100

108 11.5 8.6 12.8

92 115.8 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#54

2,4-Dinitrophenol

Concen: 106.201 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

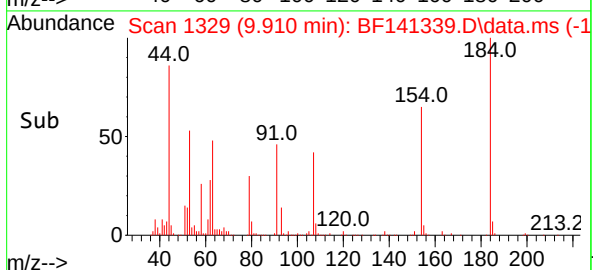
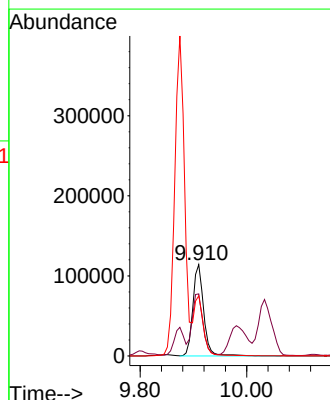
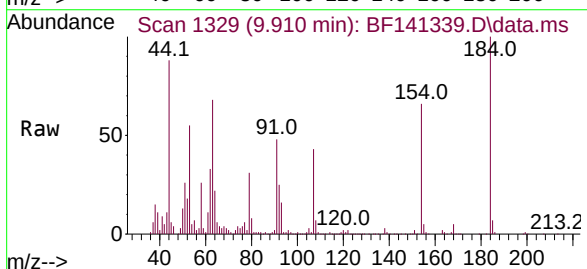
Tgt Ion:184 Resp: 161698

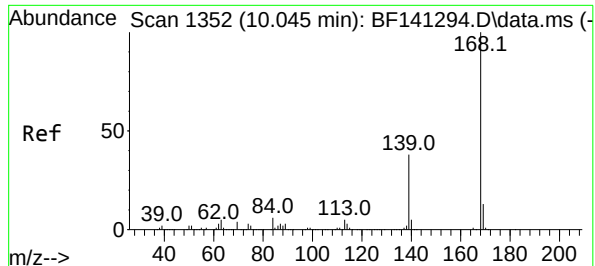
Ion Ratio Lower Upper

184 100

63 67.9 54.1 81.1

154 65.8 50.7 76.1





#55

Dibenzenofuran

Concen: 42.376 ng

RT: 10.051 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:168 Resp: 72018

Ion Ratio Lower Upper

168 100

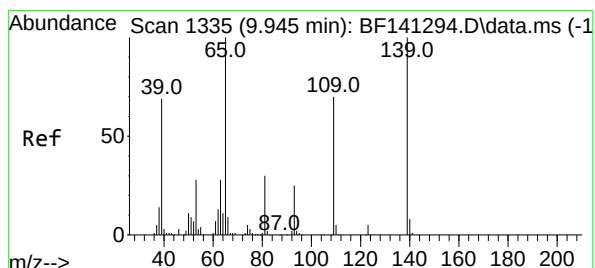
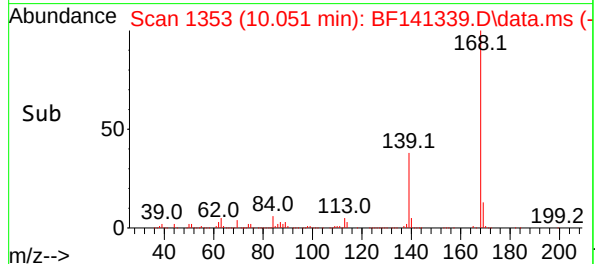
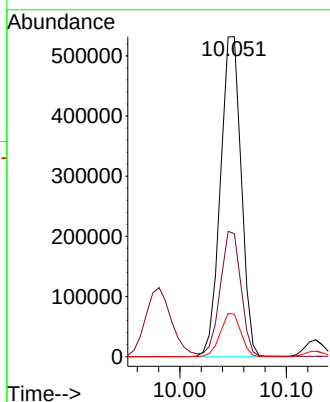
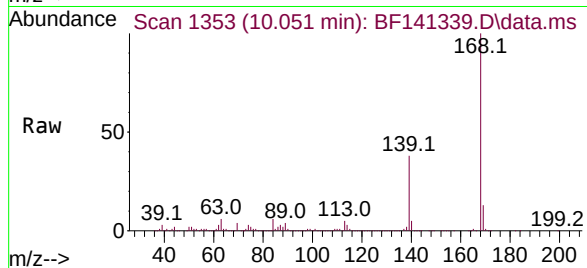
139 38.5 30.6 46.0

169 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 82.853 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.023 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

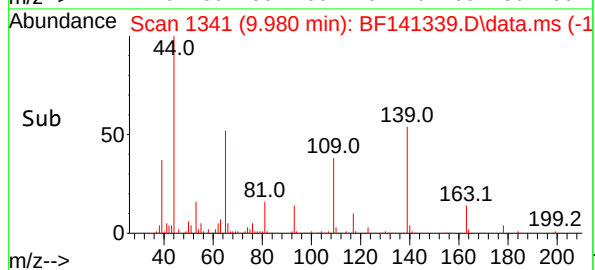
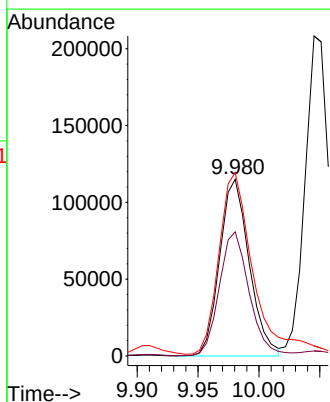
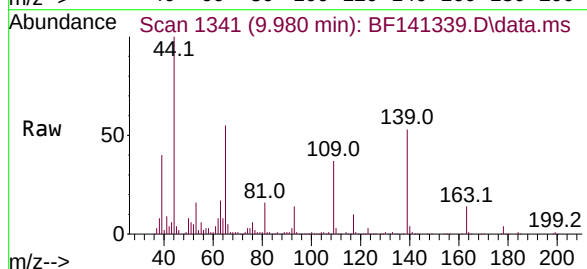
Tgt Ion:139 Resp: 194516

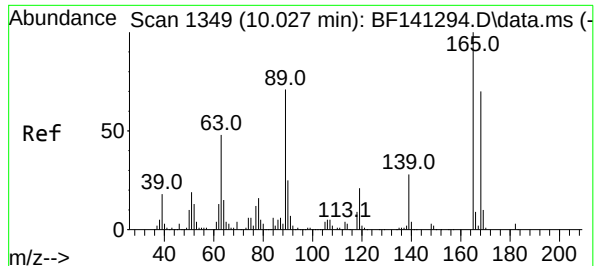
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

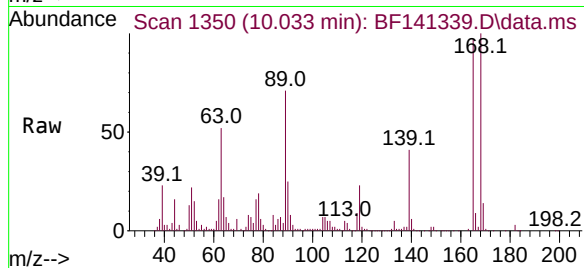
65 103.8 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 38.431 ng
RT: 10.033 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

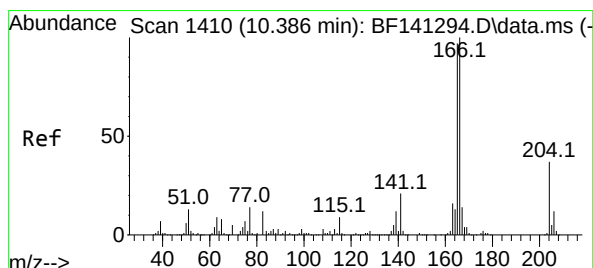
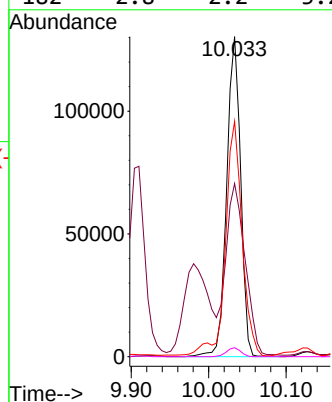
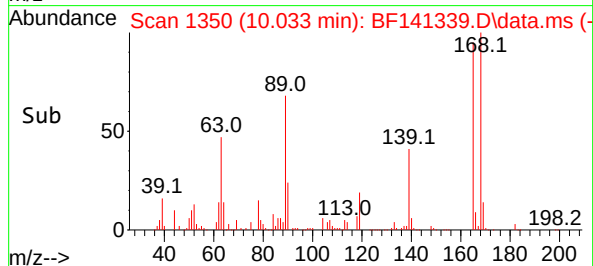
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:165 Resp: 16297
Ion Ratio Lower Upper
165 100
63 54.1 39.2 58.8
89 73.5 56.9 85.3
182 2.8 2.2 3.2

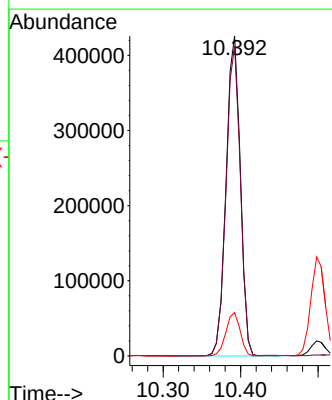
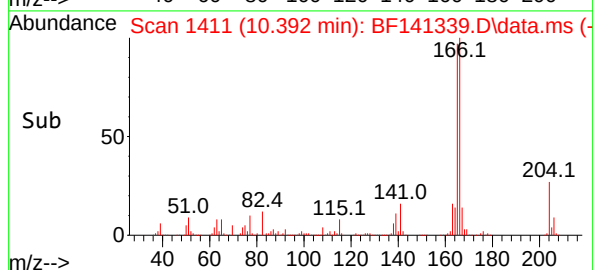
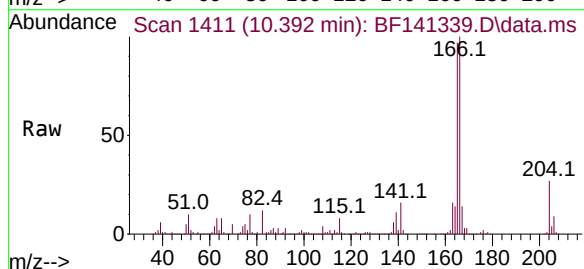
Manual Integrations
APPROVED

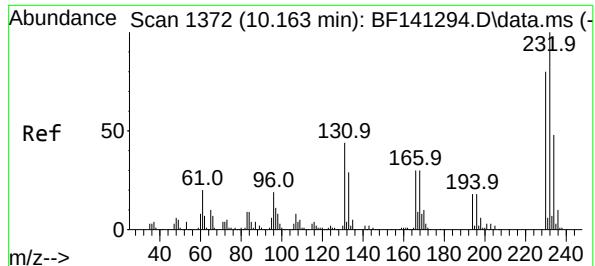
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 41.256 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

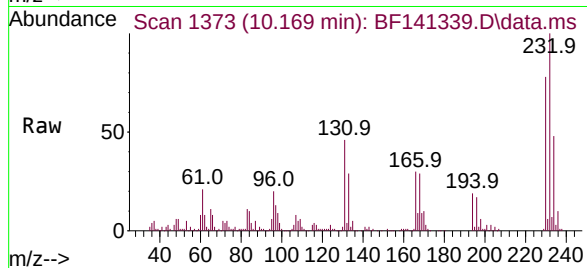
Tgt Ion:166 Resp: 543864
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.276 ng
RT: 10.169 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

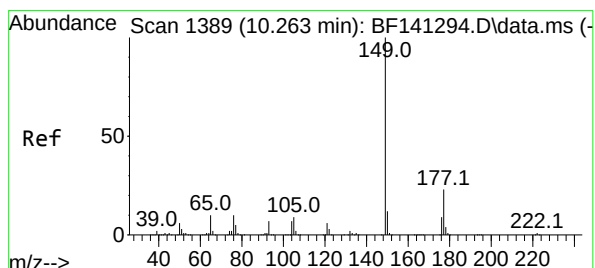
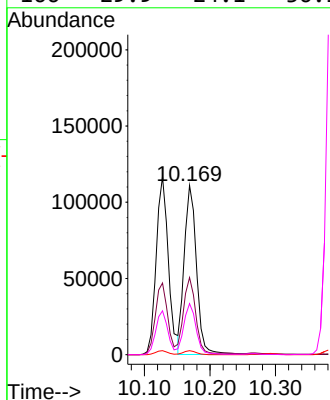
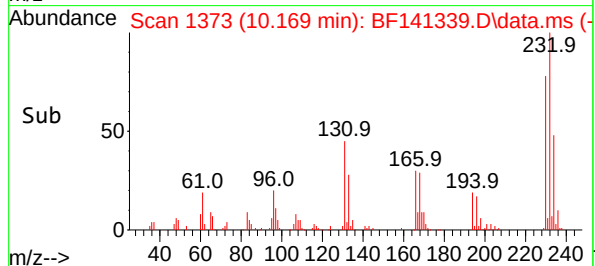
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



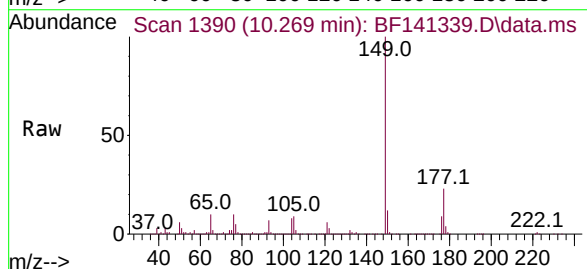
Tgt Ion:232 Resp: 144111
Ion Ratio Lower Upper
232 100
131 44.0 36.4 54.6
130 2.5 1.9 2.9
166 29.9 24.1 36.1

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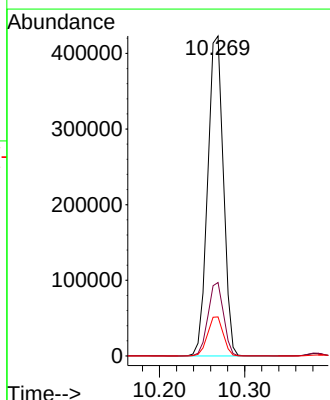
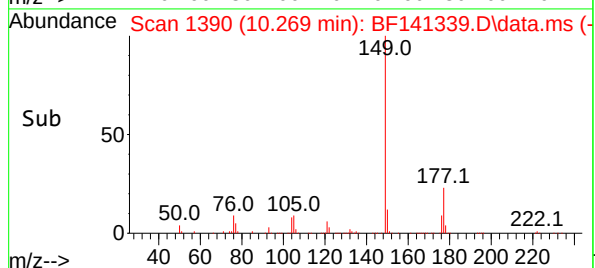
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

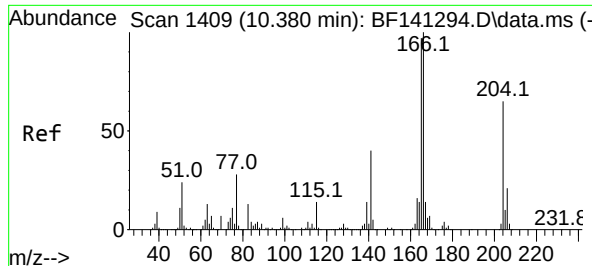


#60
Diethylphthalate
Concen: 39.529 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



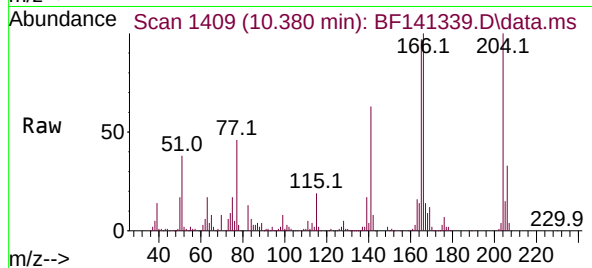
Tgt Ion:149 Resp: 540663
Ion Ratio Lower Upper
149 100
177 23.0 18.5 27.7
150 12.2 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.397 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

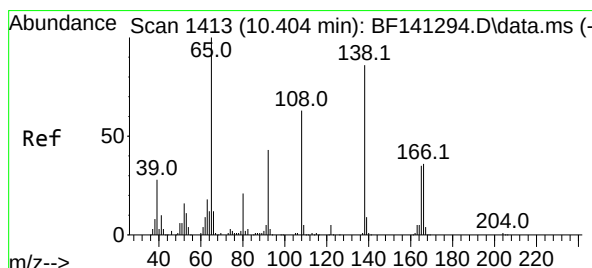
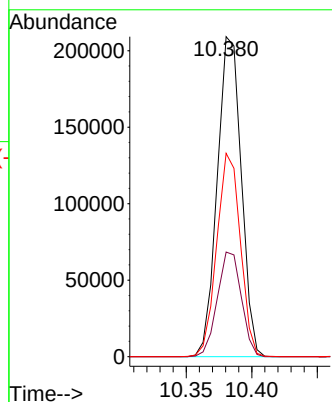
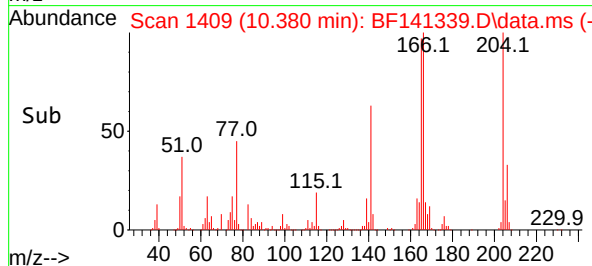
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



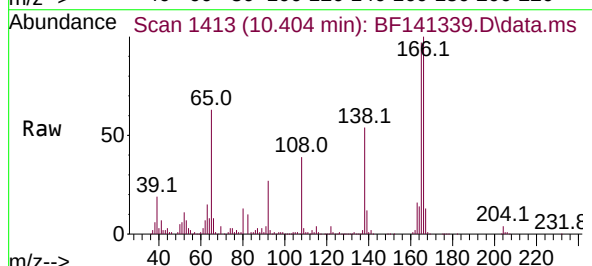
Tgt Ion:204 Resp: 266568
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.6 49.5 74.3

Manual Integrations
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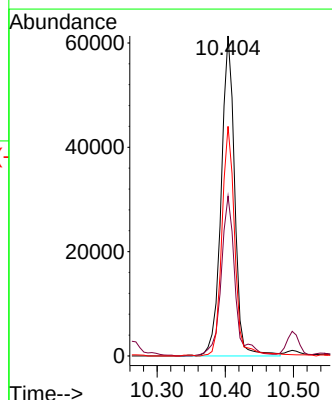
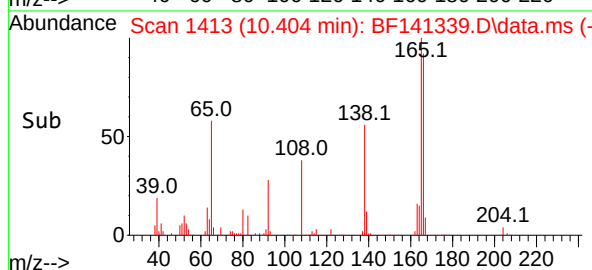
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

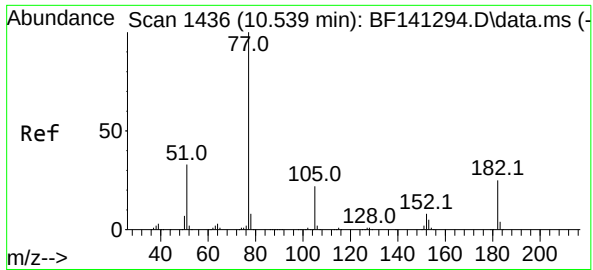


#62
4-Nitroaniline
Concen: 26.819 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



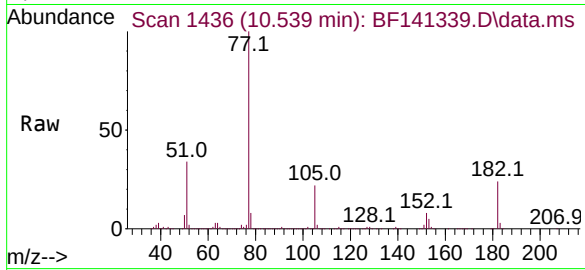
Tgt Ion:138 Resp: 84643
Ion Ratio Lower Upper
138 100
92 49.9 30.1 70.1
108 71.8 53.1 93.1





#63
Azobenzene
Concen: 41.085 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

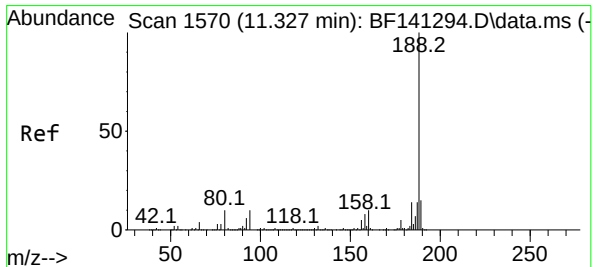
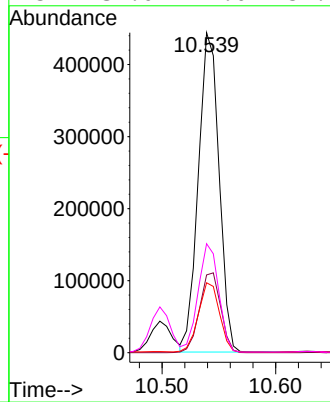
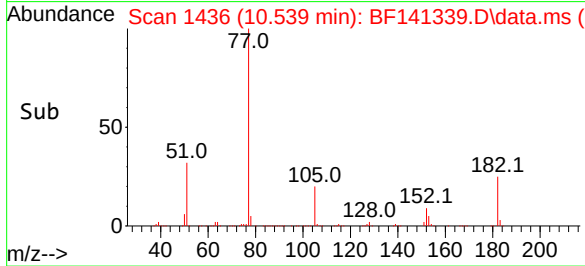
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



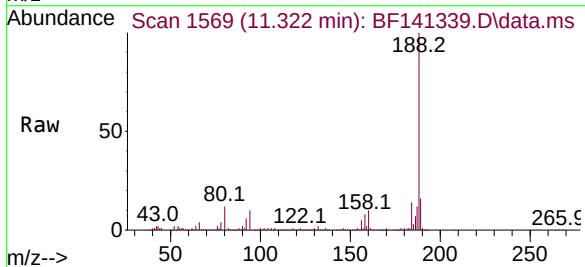
Tgt Ion: 77 Resp: 56249
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.8 1.8 41.8
51 34.0 14.0 54.0

Manual Integrations
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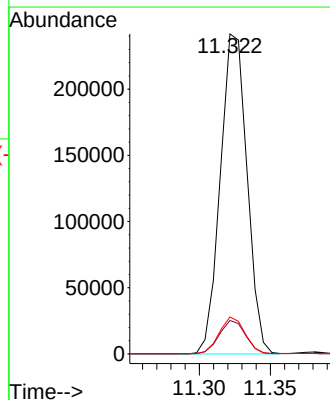
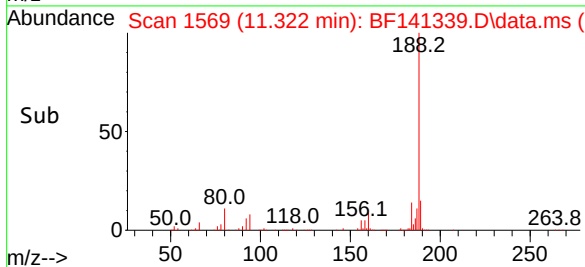
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

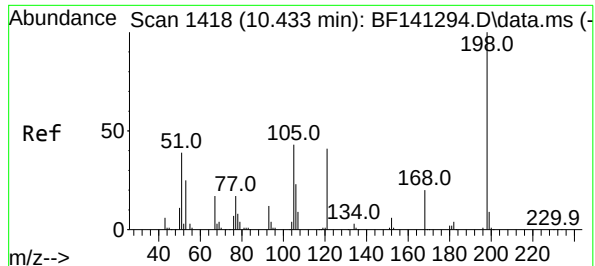


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:188 Resp: 316494
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 11.5 8.2 12.4





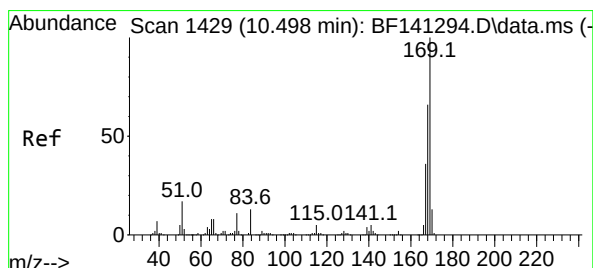
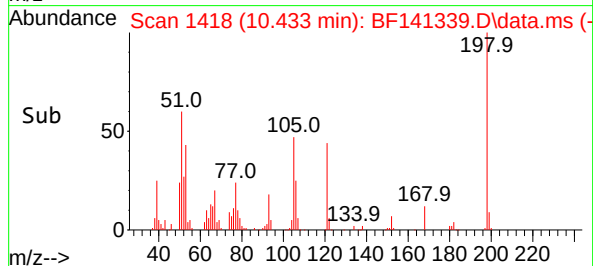
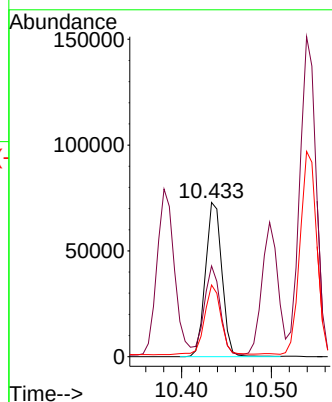
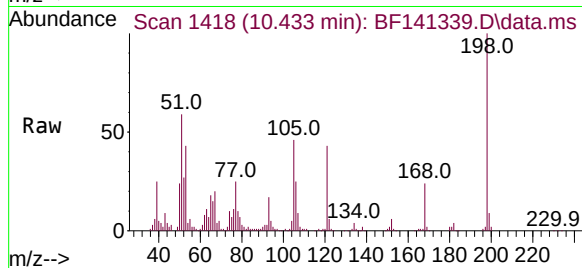
#65
4,6-Dinitro-2-methylphenol
Concen: 49.633 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion:198 Resp: 92910
Ion Ratio Lower Upper
198 100
51 58.8 33.4 73.4
105 46.4 24.4 64.4

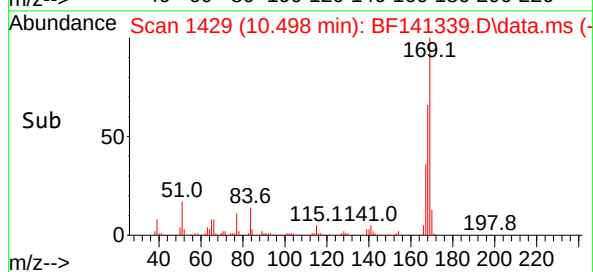
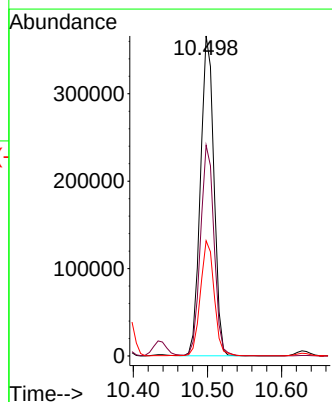
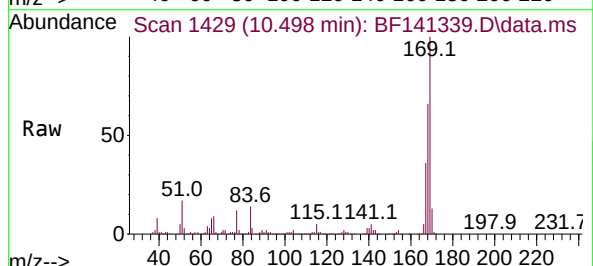
Manual Integrations
APPROVED

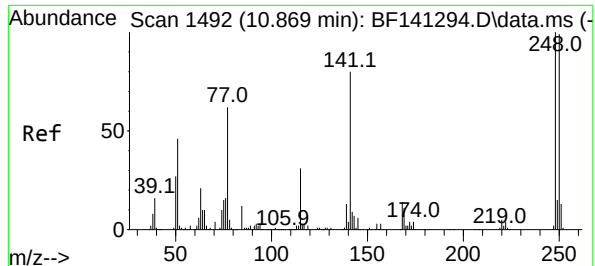
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 45.111 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

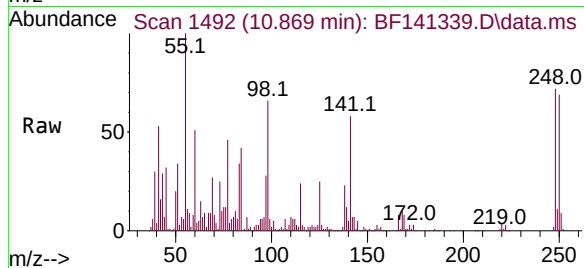
Tgt Ion:169 Resp: 461781
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 36.0 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 42.495 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

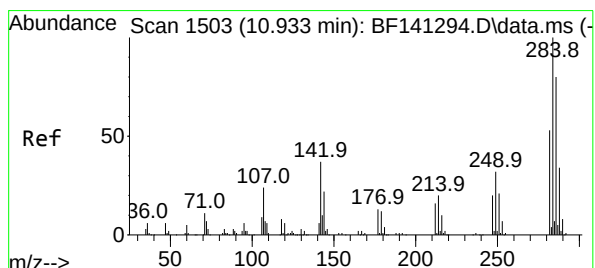
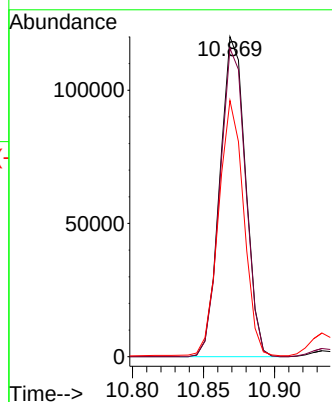
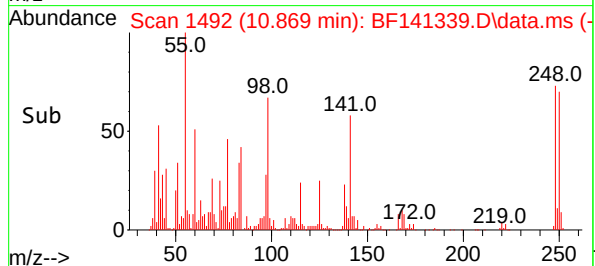
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



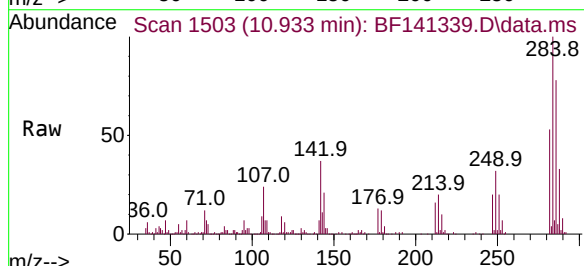
Tgt Ion:248 Resp: 15057
Ion Ratio Lower Upper
248 100
250 96.4 79.0 118.4
141 80.1 63.7 95.5

Manual Integrations
APPROVED

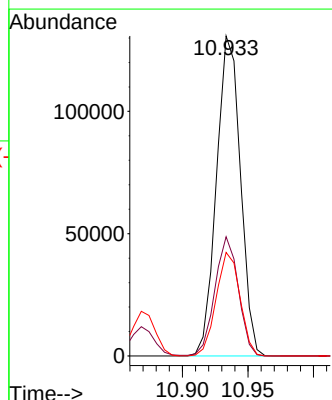
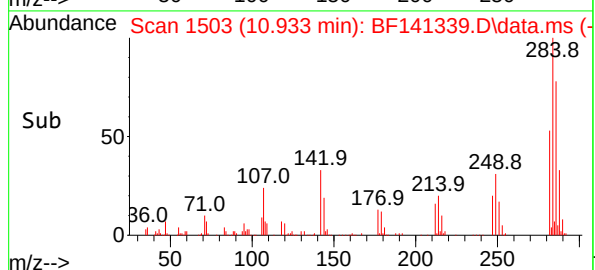
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

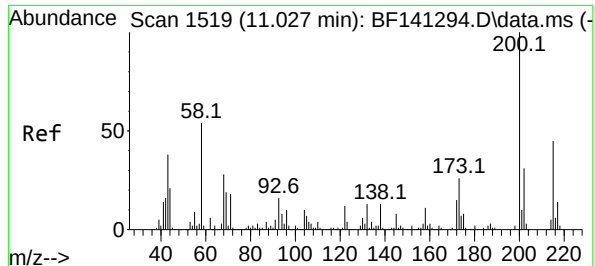


#68
Hexachlorobenzene
Concen: 44.161 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



Tgt Ion:284 Resp: 165980
Ion Ratio Lower Upper
284 100
142 37.2 29.5 44.3
249 32.3 25.4 38.2





#69

Atrazine

Concen: 35.433 ng

RT: 11.033 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:200 Resp: 12127

Ion Ratio Lower Upper

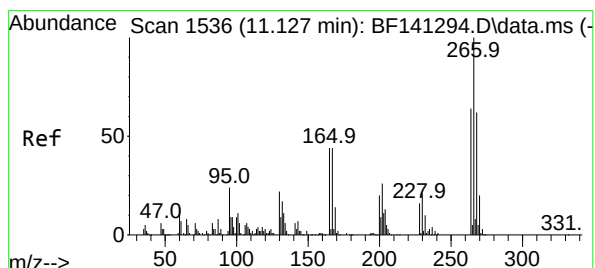
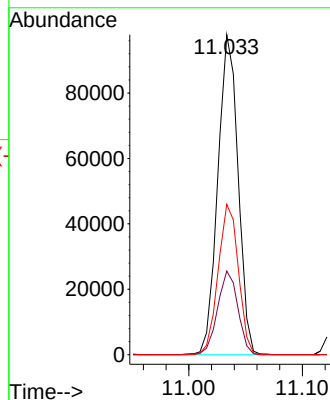
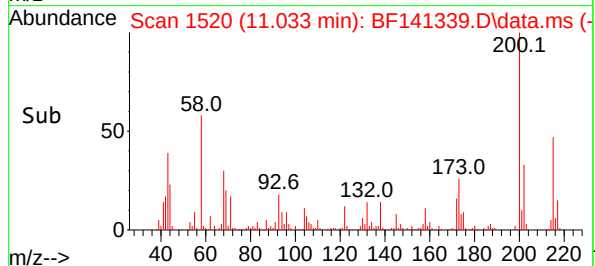
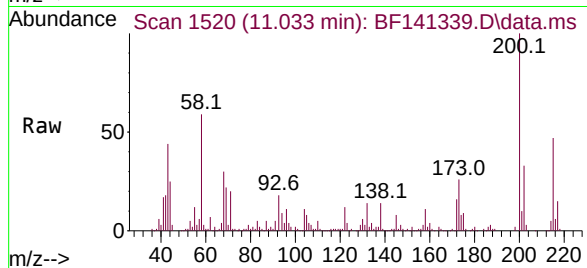
200 100

173 26.1 5.9 45.9

215 47.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 98.106 ng

RT: 11.139 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

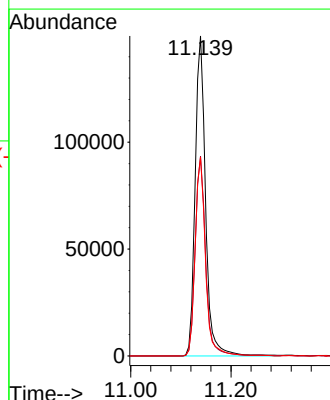
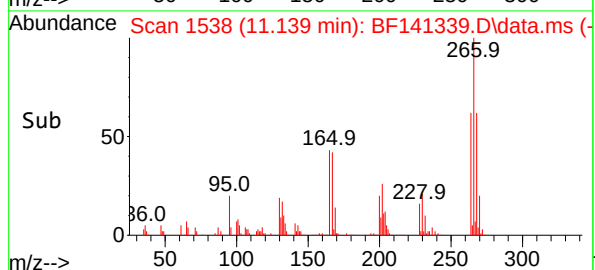
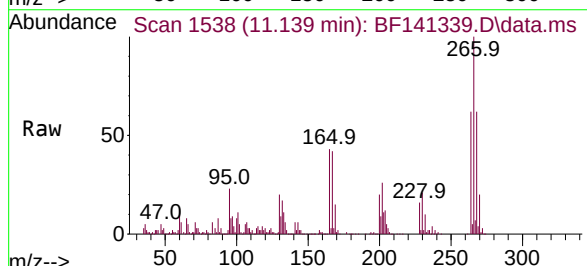
Tgt Ion:266 Resp: 215923

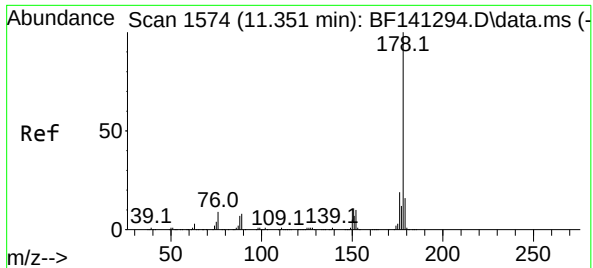
Ion Ratio Lower Upper

266 100

268 62.5 49.9 74.9

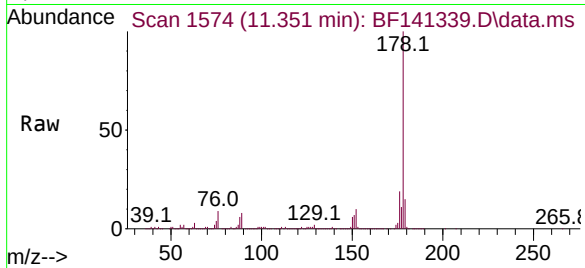
264 62.2 51.0 76.4





#71
Phenanthrene
Concen: 43.844 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

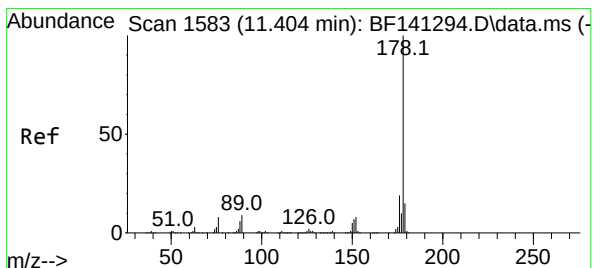
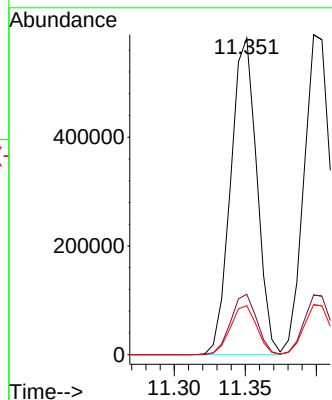
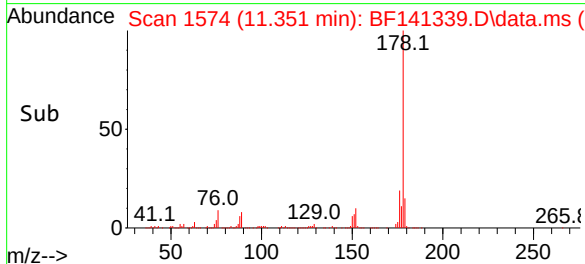
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:178 Resp: 745904
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7

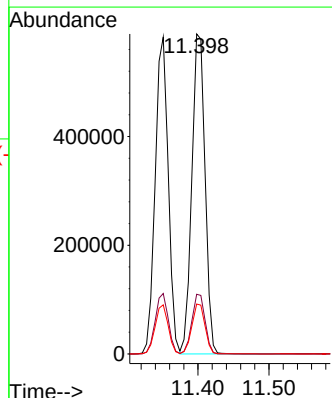
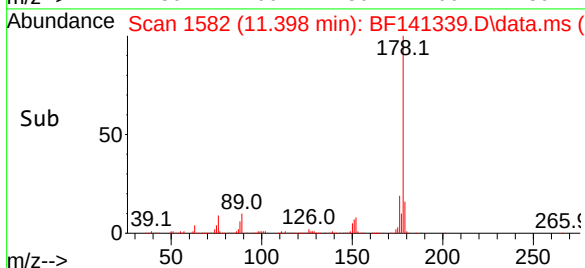
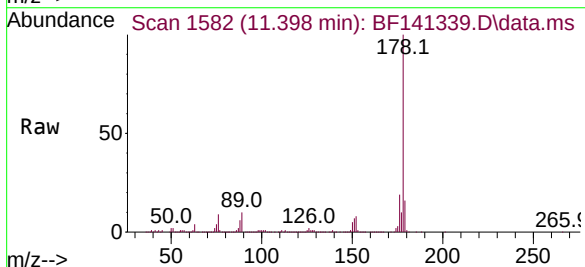
Manual Integrations
APPROVED

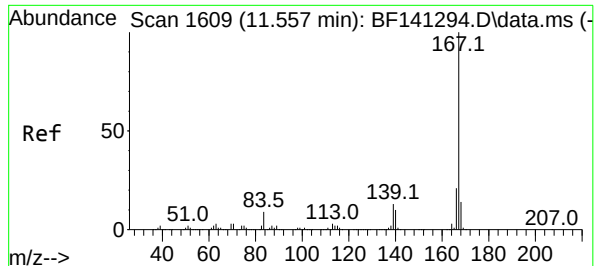
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 45.737 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:178 Resp: 762409
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.6 12.3 18.5





#73

Carbazole

Concen: 42.989 ng

RT: 11.557 min Scan# 1609

Delta R.T. -0.000 min

Lab File: BF141339.D

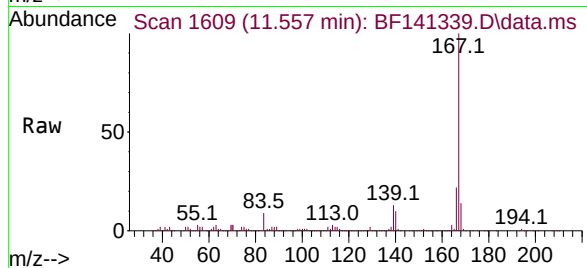
Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS



Tgt Ion:167 Resp: 635428

Ion Ratio Lower Upper

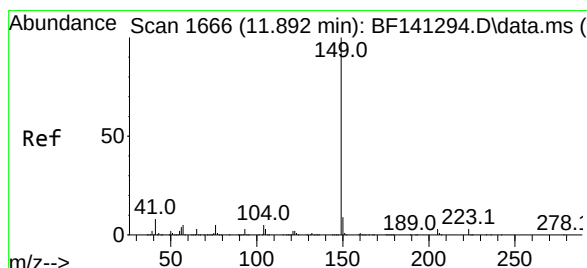
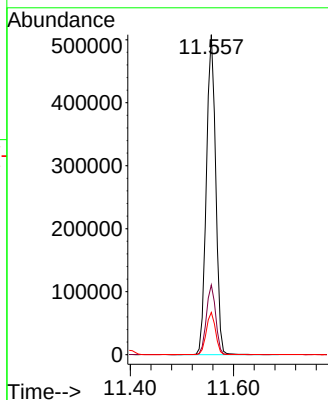
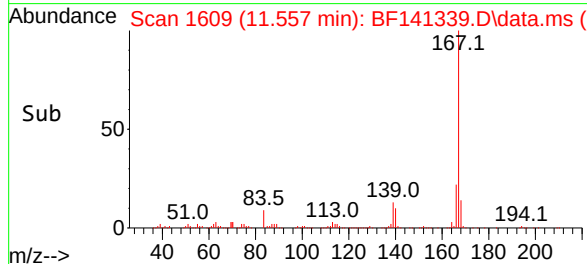
167 100

166 21.8 17.0 25.6

139 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#74

Di-n-butylphthalate

Concen: 45.026 ng

RT: 11.892 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

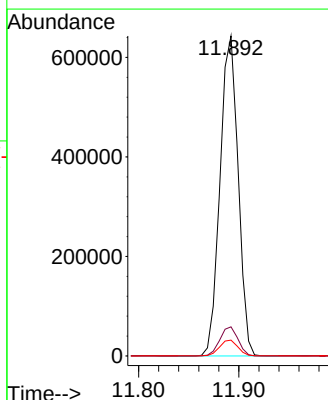
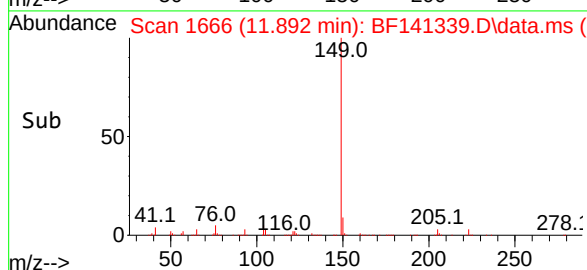
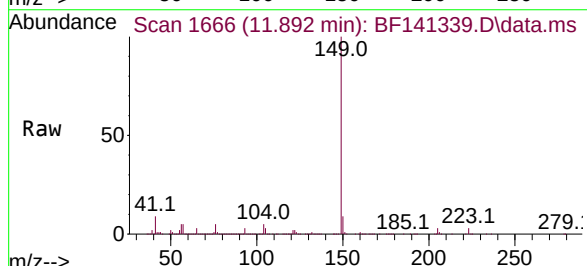
Tgt Ion:149 Resp: 806567

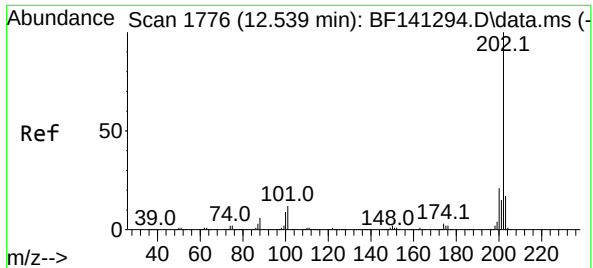
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

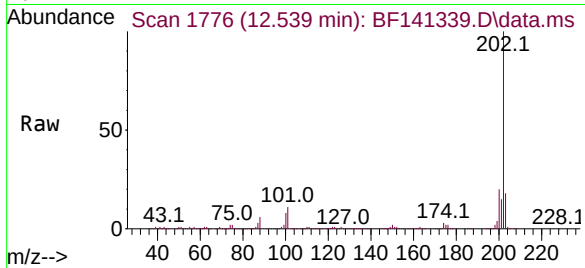
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 46.086 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

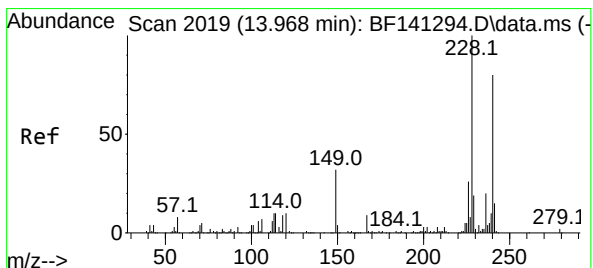
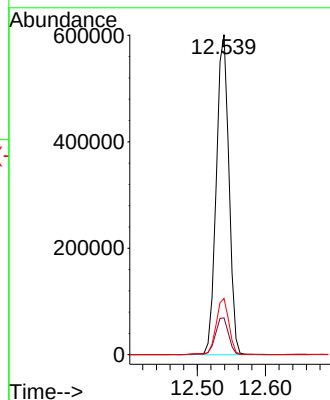
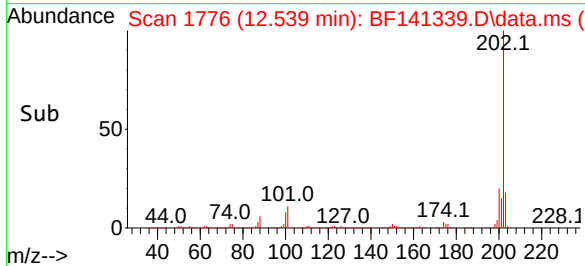
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



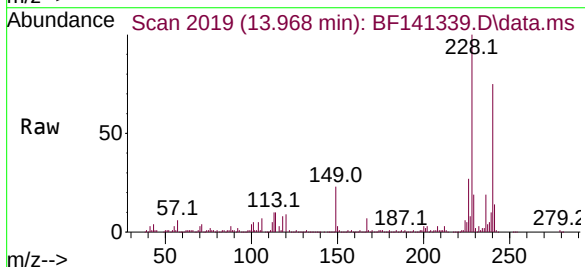
Tgt Ion:202 Resp: 77417
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.6 0.0 37.5

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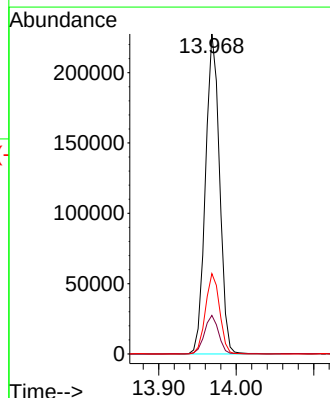
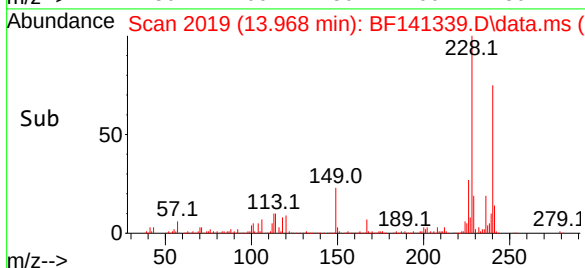
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

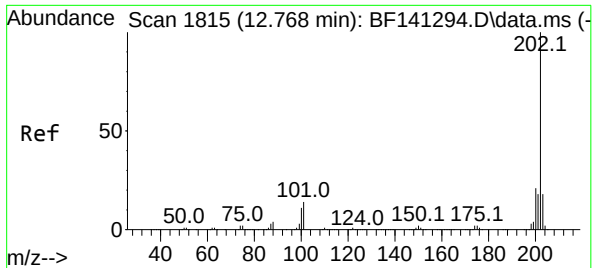


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44



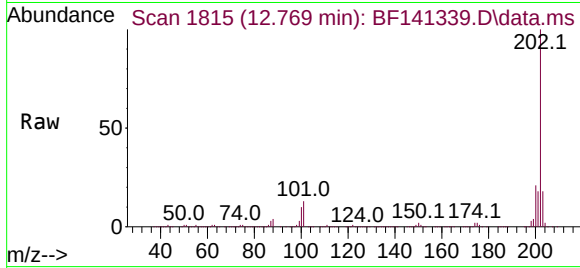
Tgt Ion:240 Resp: 287072
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.1 19.7 29.5





#78
Pyrene
Concen: 29.264 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

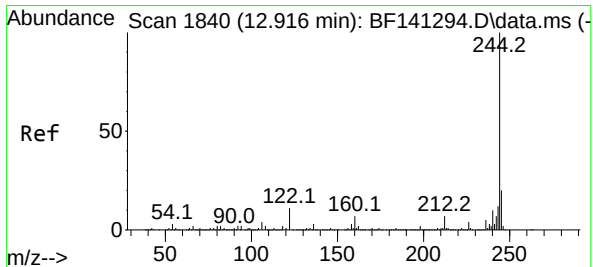
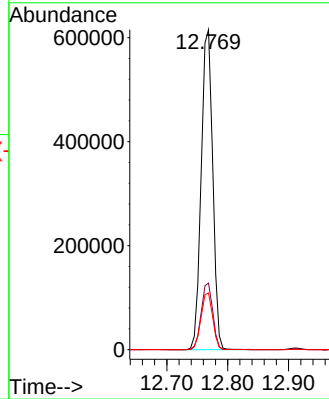
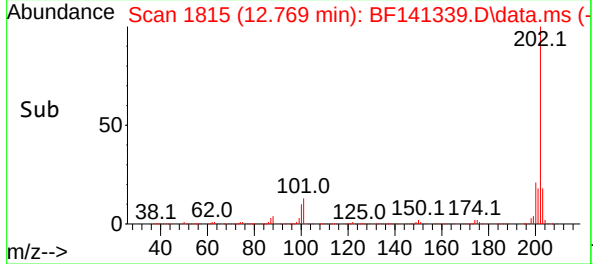
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:202 Resp: 806411
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 17.7 14.3 21.5

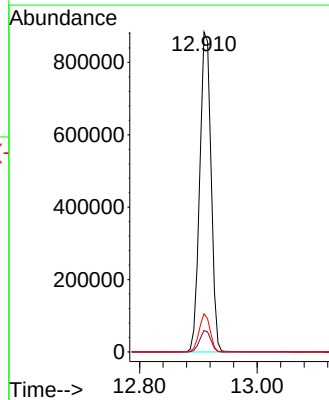
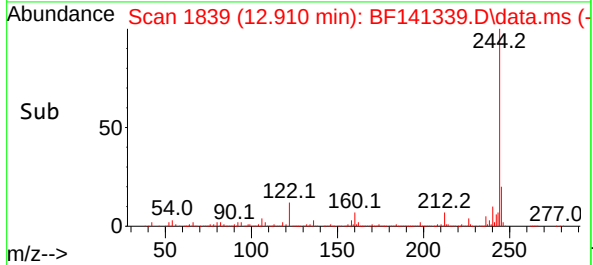
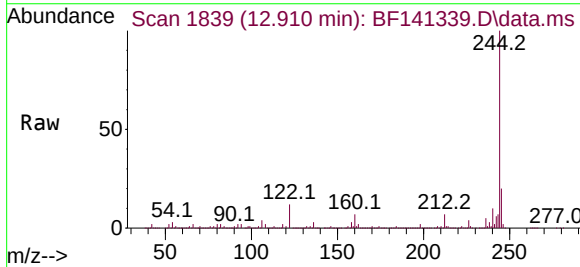
Manual Integrations
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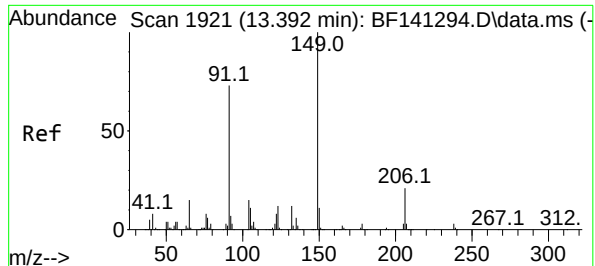
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#79
Terphenyl-d14
Concen: 63.332 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:244 Resp: 1178895
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.9 8.8 13.2





#80

Butylbenzylphthalate

Concen: 37.525 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:149 Resp: 361248

Ion Ratio Lower Upper

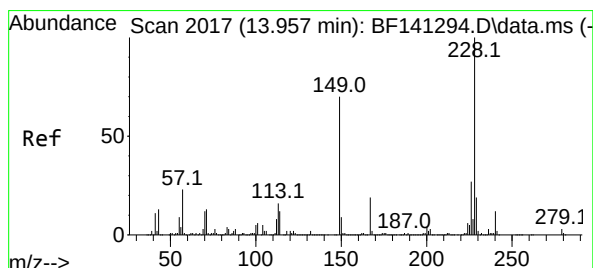
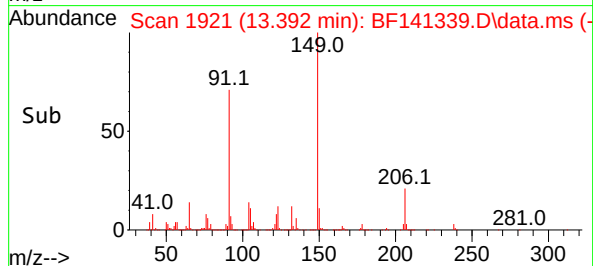
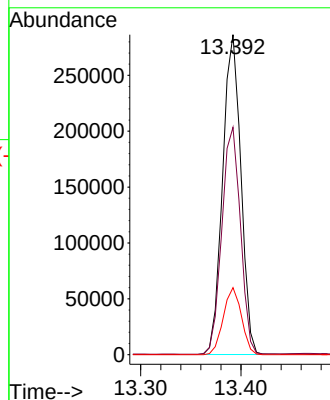
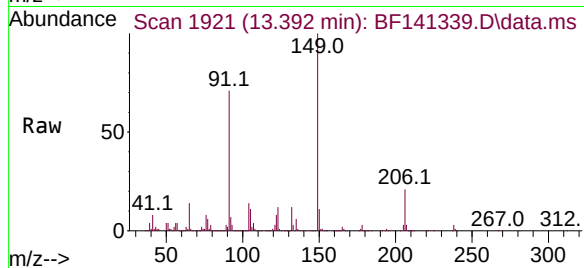
149 100

91 71.1 58.6 87.8

206 20.9 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#81

Benzo(a)anthracene

Concen: 38.521 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

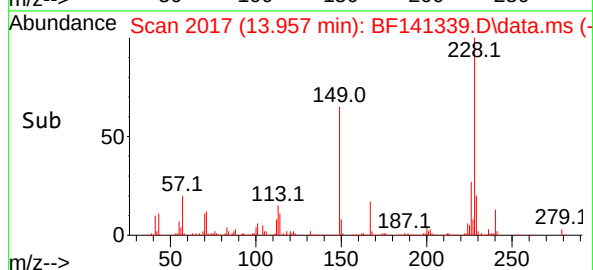
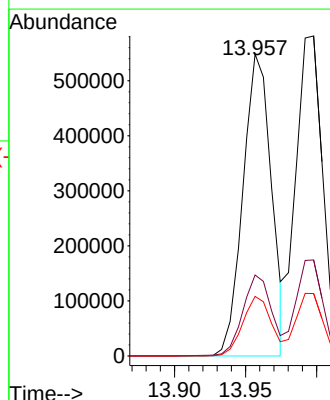
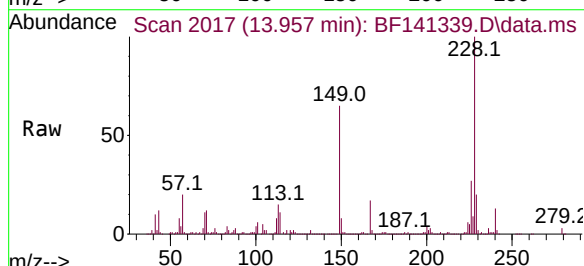
Tgt Ion:228 Resp: 763079

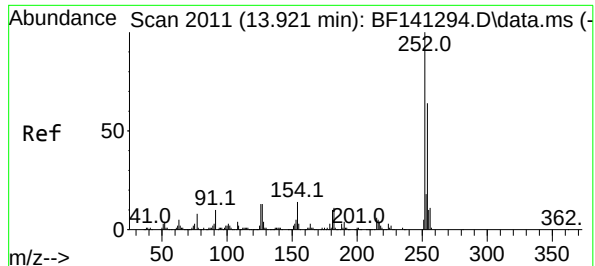
Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

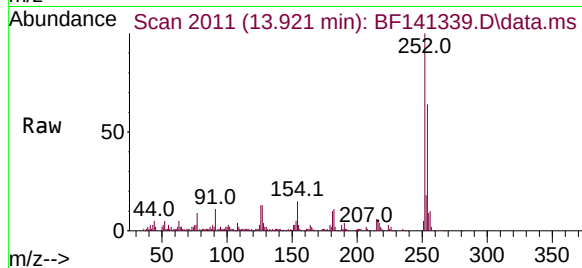
229 19.7 15.5 23.3





#82
3,3'-Dichlorobenzidine
Concen: 14.589 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

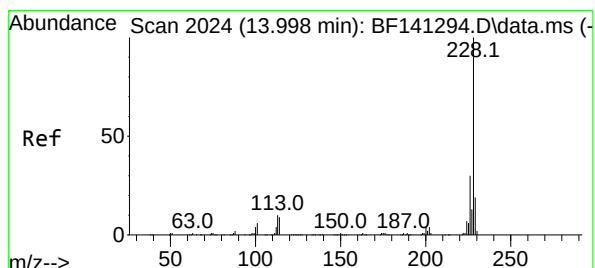
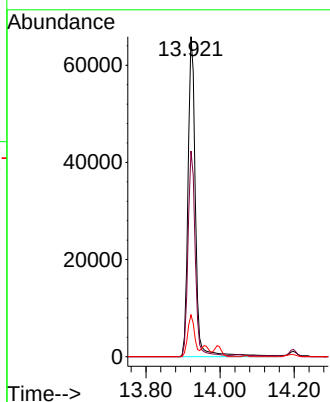
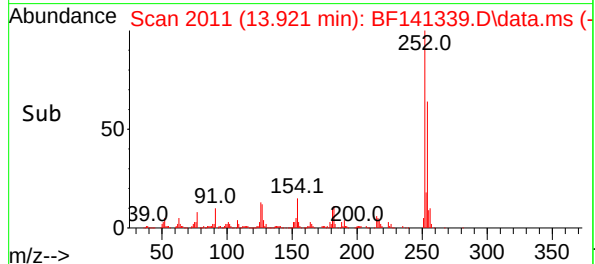
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS



Tgt Ion:252 Resp: 91920
Ion Ratio Lower Upper
252 100
254 64.2 51.3 76.9
126 13.0 10.0 15.0

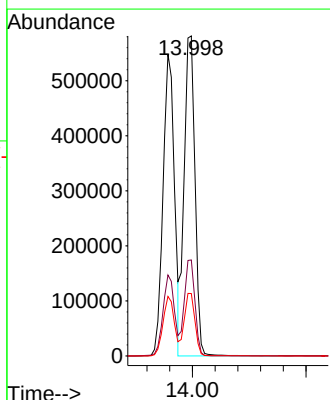
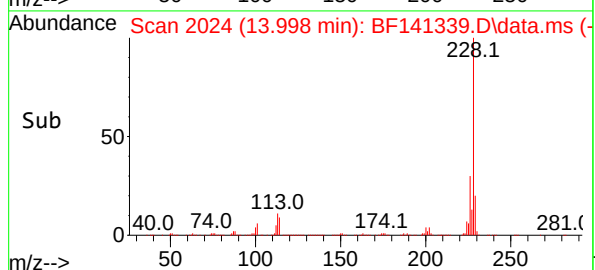
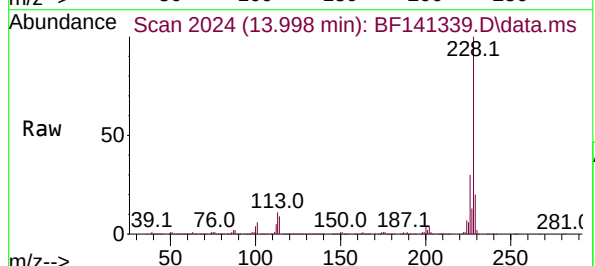
Manual Integrations
APPROVED

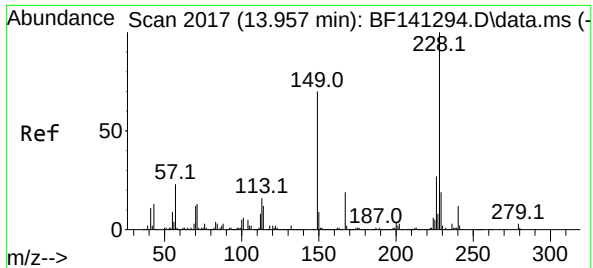
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#83
Chrysene
Concen: 42.385 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:228 Resp: 769489
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.5 15.6 23.4





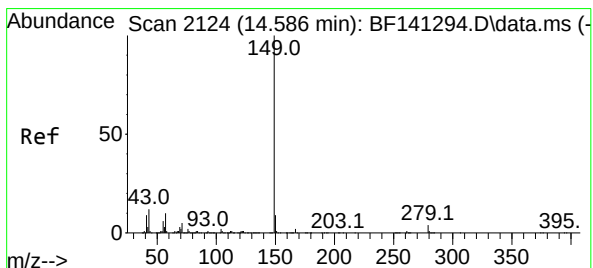
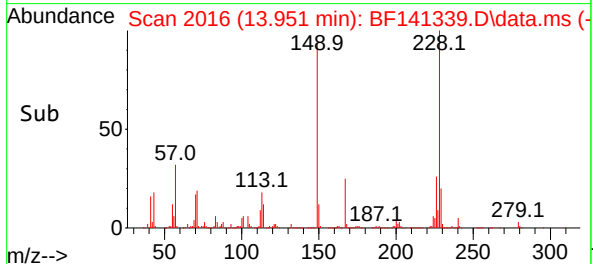
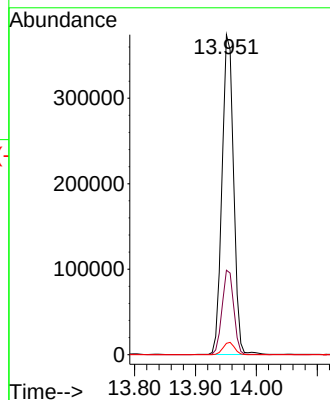
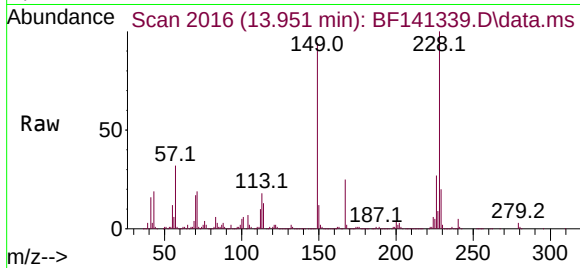
#84
Bis(2-ethylhexyl)phthalate
Concen: 40.451 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MS

Tgt Ion:149 Resp: 493990
Ion Ratio Lower Upper
149 100
167 26.4 21.8 32.8
279 3.6 3.3 4.9

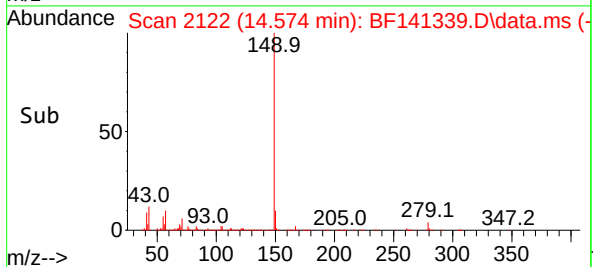
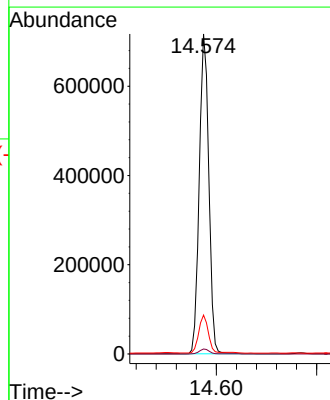
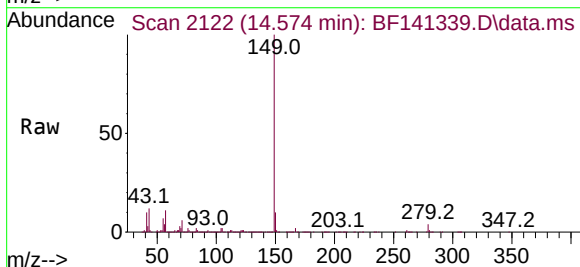
Manual Integrations
APPROVED

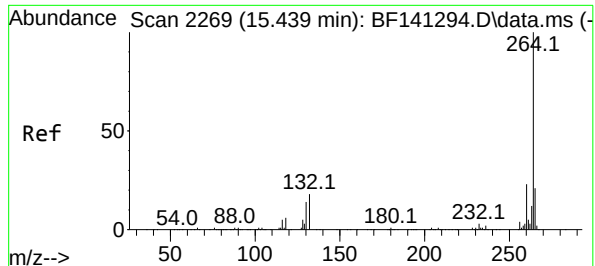
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#85
Di-n-octyl phthalate
Concen: 49.652 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BF141339.D
Acq: 31 Jan 2025 18:44

Tgt Ion:149 Resp: 941792
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:264 Resp: 32353

Ion Ratio Lower Upper

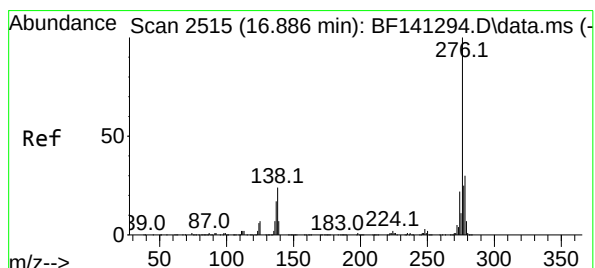
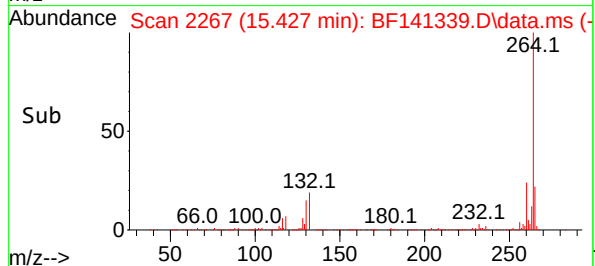
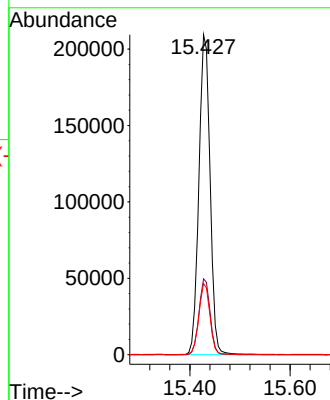
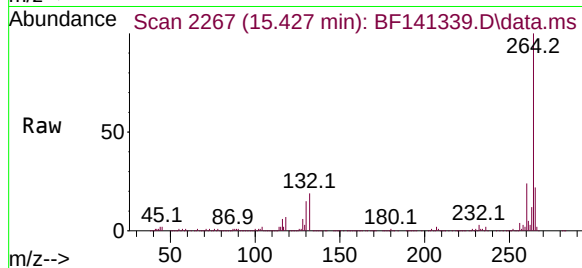
264 100

260 23.7 18.6 27.8

265 22.3 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#87

Indeno(1,2,3-cd)pyrene

Concen: 38.671 ng

RT: 16.880 min Scan# 2514

Delta R.T. -0.018 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

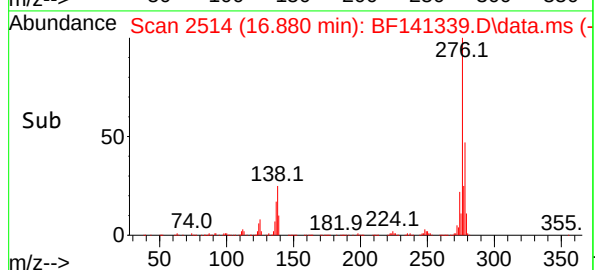
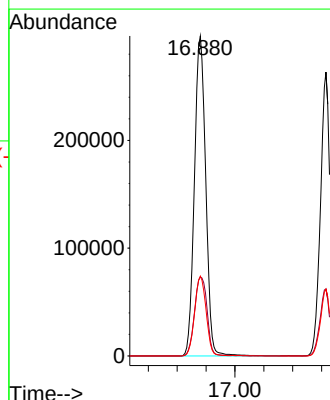
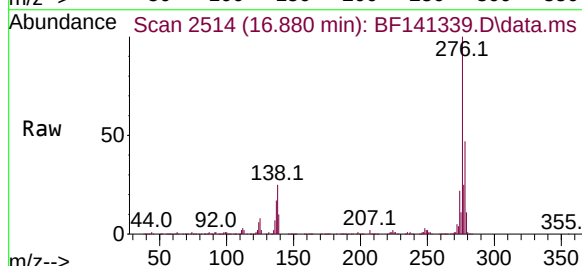
Tgt Ion:276 Resp: 807515

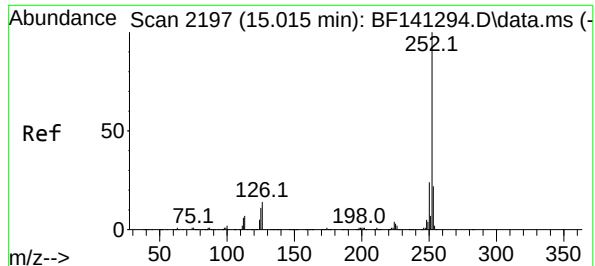
Ion Ratio Lower Upper

276 100

138 27.4 21.7 32.5

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 41.462 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:252 Resp: 843784

Ion Ratio Lower Upper

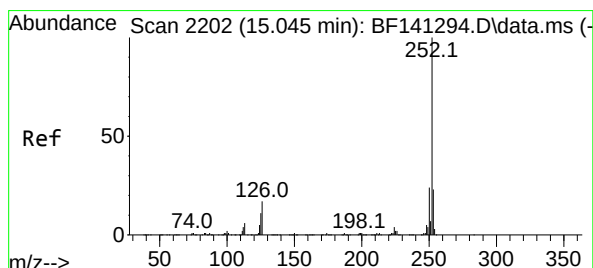
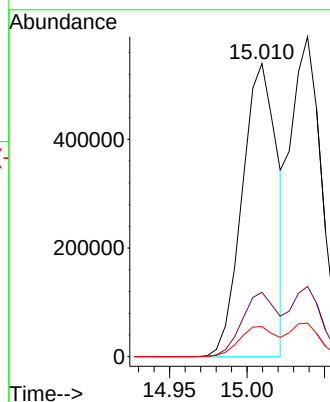
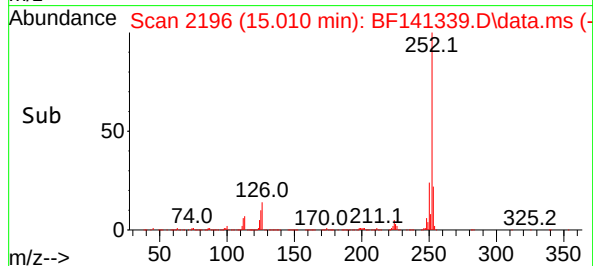
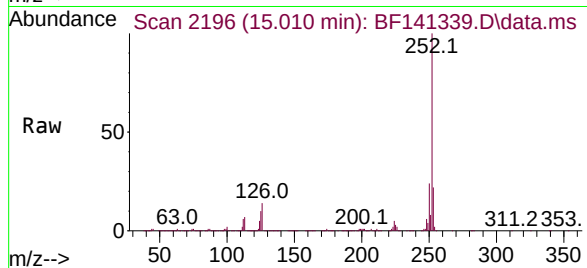
252 100

253 21.9 17.4 26.2

125 10.2 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#89

Benzo(k)fluoranthene

Concen: 44.836 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

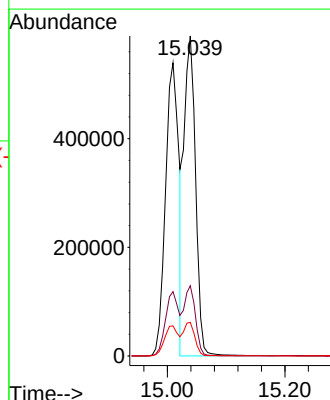
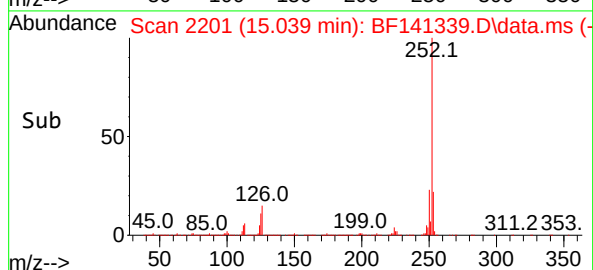
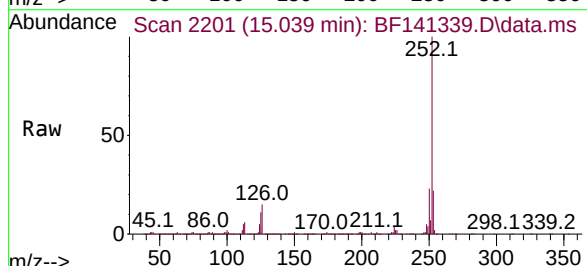
Tgt Ion:252 Resp: 808333

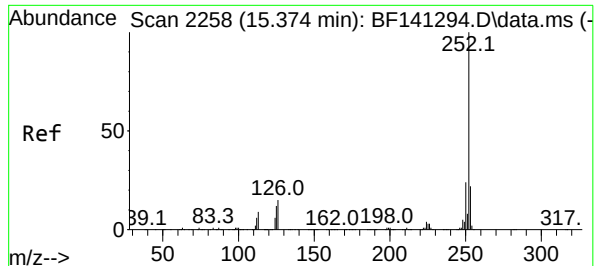
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6





#90

Benzo(a)pyrene

Concen: 45.122 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:252 Resp: 77598

Ion Ratio Lower Upper

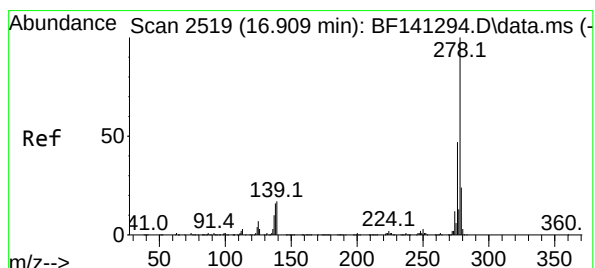
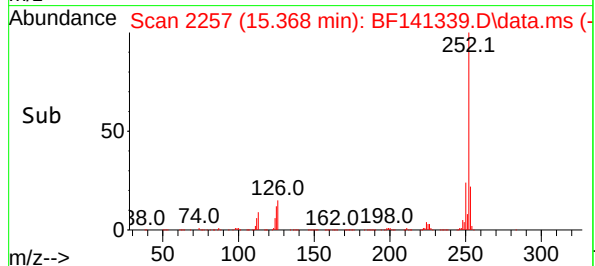
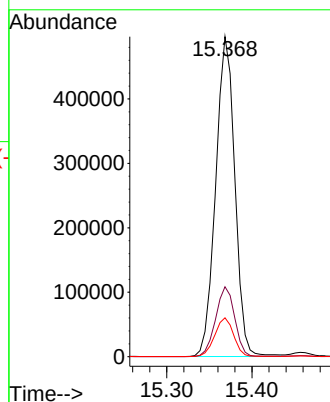
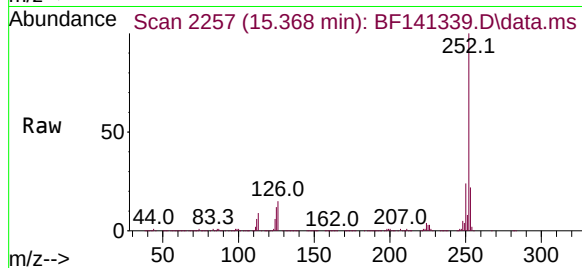
252 100

253 21.9 17.2 25.8

125 12.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#91

Dibenzo(a,h)anthracene

Concen: 39.232 ng

RT: 16.898 min Scan# 2517

Delta R.T. -0.024 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

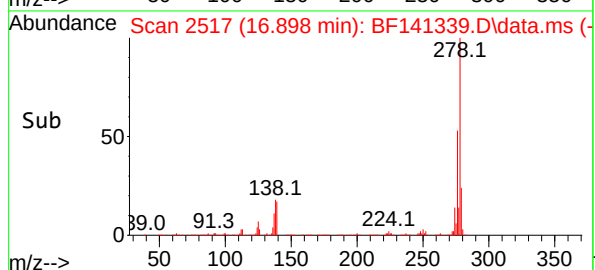
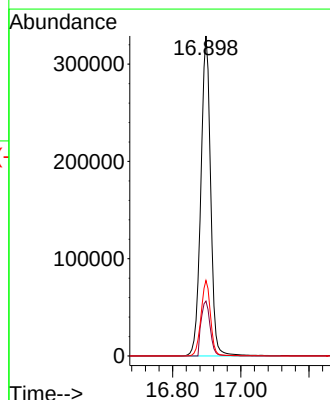
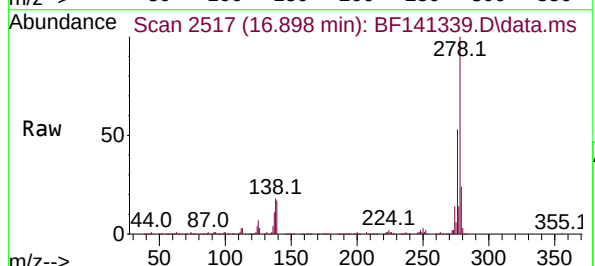
Tgt Ion:278 Resp: 659105

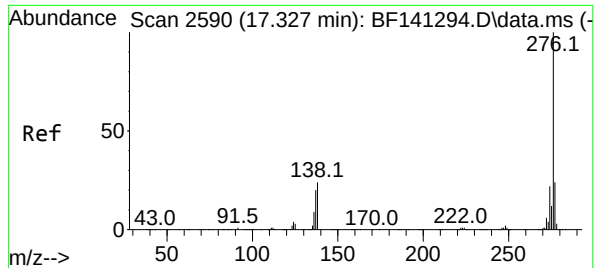
Ion Ratio Lower Upper

278 100

139 17.2 13.9 20.9

279 23.6 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 34.502 ng

RT: 17.315 min Scan# 20

Delta R.T. -0.030 min

Lab File: BF141339.D

Acq: 31 Jan 2025 18:44

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MS

Tgt Ion:276 Resp: 60269

Ion Ratio Lower Upper

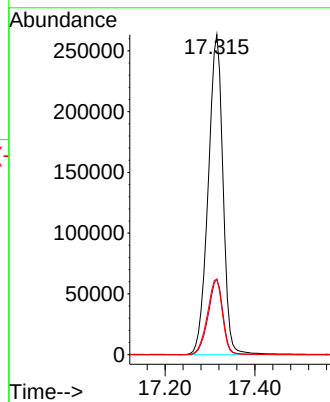
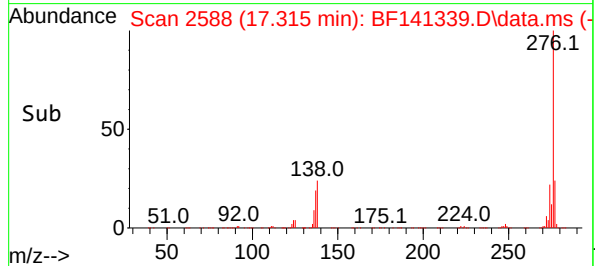
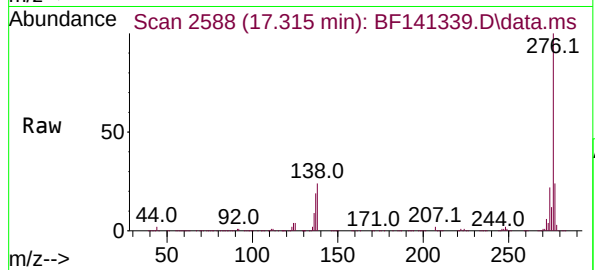
276 100

277 23.6 19.2 28.8

138 23.6 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MSD	SDG No.:	Q1232
Lab Sample ID:	Q1218-02MSD	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
BF141340.D	1	01/31/25 10:29	01/31/25 19:11	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	220		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	100	ug/L
67-72-1	Hexachloroethane	380		10.1	50.0	ug/L
98-95-3	Nitrobenzene	460		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	320		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	450		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	440		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	380		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	450		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	940	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		10 - 139	83%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.4		49 - 133	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.7		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		48 - 125	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000		6.804		
1146-65-2	Naphthalene-d8	521000		8.086		
15067-26-2	Acenaphthene-d10	271000		9.845		
1517-22-2	Phenanthrene-d10	396000		11.327		
1719-03-5	Chrysene-d12	280000		13.968		
1520-96-3	Perylene-d12	313000		15.421		

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	BELL-25-002MSD	SDG No.:	Q1232
Lab Sample ID:	Q1218-02MSD	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
BF141340.D	1	01/31/25 10:29	01/31/25 19:11	PB166426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\BF013125\
 Data File : BF141340.D
 Acq On : 31 Jan 2025 19:11
 Operator : RC/JU
 Sample : Q1218-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	142670	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	521314	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	271292	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	395783	20.000	ng	0.00
76) Chrysene-d12	13.968	240	279691	20.000	ng	0.00
86) Perylene-d12	15.421	264	312761	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1150056	123.752	ng	0.02
7) Phenol-d6	6.445	99	1390165	117.589	ng	0.00
23) Nitrobenzene-d5	7.369	82	884339	89.426	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	297928	119.788	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1509903	85.665	ng	0.00
79) Terphenyl-d14	12.910	244	1237686	68.245	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.751	88	153231m	37.491	ng	Qvalue
3) Pyridine	3.451	79	219631	22.303	ng	100
4) n-Nitrosodimethylamine	3.363	42	217752	38.708	ng	98
6) Aniline	6.475	93	182356	18.222	ng	# 30
8) 2-Chlorophenol	6.592	128	416608	41.825	ng	97
9) Benzaldehyde	6.351	77	159468	23.287	ng	98
10) Phenol	6.463	94	482481	38.500	ng	91
11) bis(2-Chloroethyl)ether	6.539	93	414301	43.116	ng	97
12) 1,3-Dichlorobenzene	6.739	146	394998	35.965	ng	100
13) 1,4-Dichlorobenzene	6.822	146	401367	36.378	ng	99
14) 1,2-Dichlorobenzene	6.969	146	375771	36.372	ng	99
15) Benzyl Alcohol	6.957	79	350399	43.371	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	665073	39.803	ng	70
17) 2-Methylphenol	7.063	107	325000	40.146	ng	96
18) Hexachloroethane	7.316	117	155805	38.279	ng	96
19) n-Nitroso-di-n-propyla...	7.222	70	282862	40.266	ng	97
20) 3+4-Methylphenols	7.216	107	397542	39.995	ng	# 89
22) Acetophenone	7.210	105	593012	47.856	ng	# 97
24) Nitrobenzene	7.386	77	469271	45.791	ng	99
25) Isophorone	7.628	82	693973	40.597	ng	99
26) 2-Nitrophenol	7.698	139	181160	37.483	ng	93
27) 2,4-Dimethylphenol	7.745	122	275977m	44.861	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	354422	32.505	ng	98
29) 2,4-Dichlorophenol	7.945	162	216861	28.795	ng	94
30) 1,2,4-Trichlorobenzene	8.022	180	334708	38.916	ng	99
31) Naphthalene	8.104	128	1055072	38.311	ng	100
32) Benzoic acid	8.439	122	23221760m	4106.266	ng	
33) 4-Chloroaniline	8.175	127	57726	6.181	ng	# 14
34) Hexachlorobutadiene	8.222	225	163478	32.412	ng	99
35) Caprolactam	8.728	113	100725	40.952	ng	99
36) 4-Chloro-3-methylphenol	8.651	107	349171	43.224	ng	97
37) 2-Methylnaphthalene	8.798	142	714422	40.815	ng	99
38) 1-Methylnaphthalene	8.898	142	697402	40.561	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	368448	47.739	ng	98
41) Hexachlorocyclopentadiene	8.951	237	423151	185.647	ng	99
43) 2,4,6-Trichlorophenol	9.086	196	227525	45.039	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141340.D
 Acq On : 31 Jan 2025 19:11
 Operator : RC/JU
 Sample : Q1218-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	240917	43.818	ng	98
46) 1,1'-Biphenyl	9.263	154	1007225	47.606	ng	99
47) 2-Chloronaphthalene	9.286	162	680086	41.240	ng	99
48) 2-Nitroaniline	9.392	65	186519	35.958	ng	99
49) Acenaphthylene	9.704	152	916431	39.699	ng	100
50) Dimethylphthalate	9.580	163	808935	44.149	ng	99
51) 2,6-Dinitrotoluene	9.639	165	167958	39.479	ng	92
52) Acenaphthene	9.875	154	753252m	45.675	ng	
53) 3-Nitroaniline	9.816	138	58071	13.927	ng	98
54) 2,4-Dinitrophenol	9.922	184	211534	106.961	ng	98
55) Dibenzofuran	10.051	168	892050	40.410	ng	99
56) 4-Nitrophenol	9.992	139	222214	72.869	ng	97
57) 2,4-Dinitrotoluene	10.039	165	211301	38.361	ng	# 88
58) Fluorene	10.392	166	696694	40.687	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.180	232	189214	43.744	ng	98
60) Diethylphthalate	10.275	149	718228	40.427	ng	100
61) 4-Chlorophenyl-phenyle...	10.386	204	341406	40.818	ng	99
62) 4-Nitroaniline	10.410	138	108113	26.373	ng	99
63) Azobenzene	10.545	77	725174	40.778	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	126669	54.108	ng	98
66) n-Nitrosodiphenylamine	10.504	169	600618	46.919	ng	100
67) 4-Bromophenyl-phenylether	10.874	248	193762	43.730	ng	99
68) Hexachlorobenzene	10.939	284	212929	45.303	ng	99
69) Atrazine	11.039	200	137336	32.088	ng	98
70) Pentachlorophenol	11.139	266	259262	94.198	ng	99
71) Phenanthrene	11.351	178	929973	43.712	ng	100
72) Anthracene	11.404	178	936429	44.922	ng	99
73) Carbazole	11.557	167	722300	39.076	ng	100
74) Di-n-butylphthalate	11.892	149	962080	42.948	ng	100
75) Fluoranthene	12.539	202	837807	39.883	ng	100
78) Pyrene	12.768	202	844011	31.437	ng	99
80) Butylbenzylphthalate	13.392	149	356371	37.995	ng	98
81) Benzo(a)anthracene	13.957	228	756912	39.218	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	92382	15.050	ng	99
83) Chrysene	13.992	228	744577	42.095	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	484536	40.723	ng	99
85) Di-n-octyl phthalate	14.568	149	908345	49.152	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	772651	38.276	ng	100
88) Benzo(b)fluoranthene	15.004	252	920585	46.793	ng	99
89) Benzo(k)fluoranthene	15.033	252	694577	39.853	ng	100
90) Benzo(a)pyrene	15.362	252	753917	45.348	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	627391	38.631	ng	100
92) Benzo(g,h,i)perylene	17.309	276	573319	33.950	ng	99

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

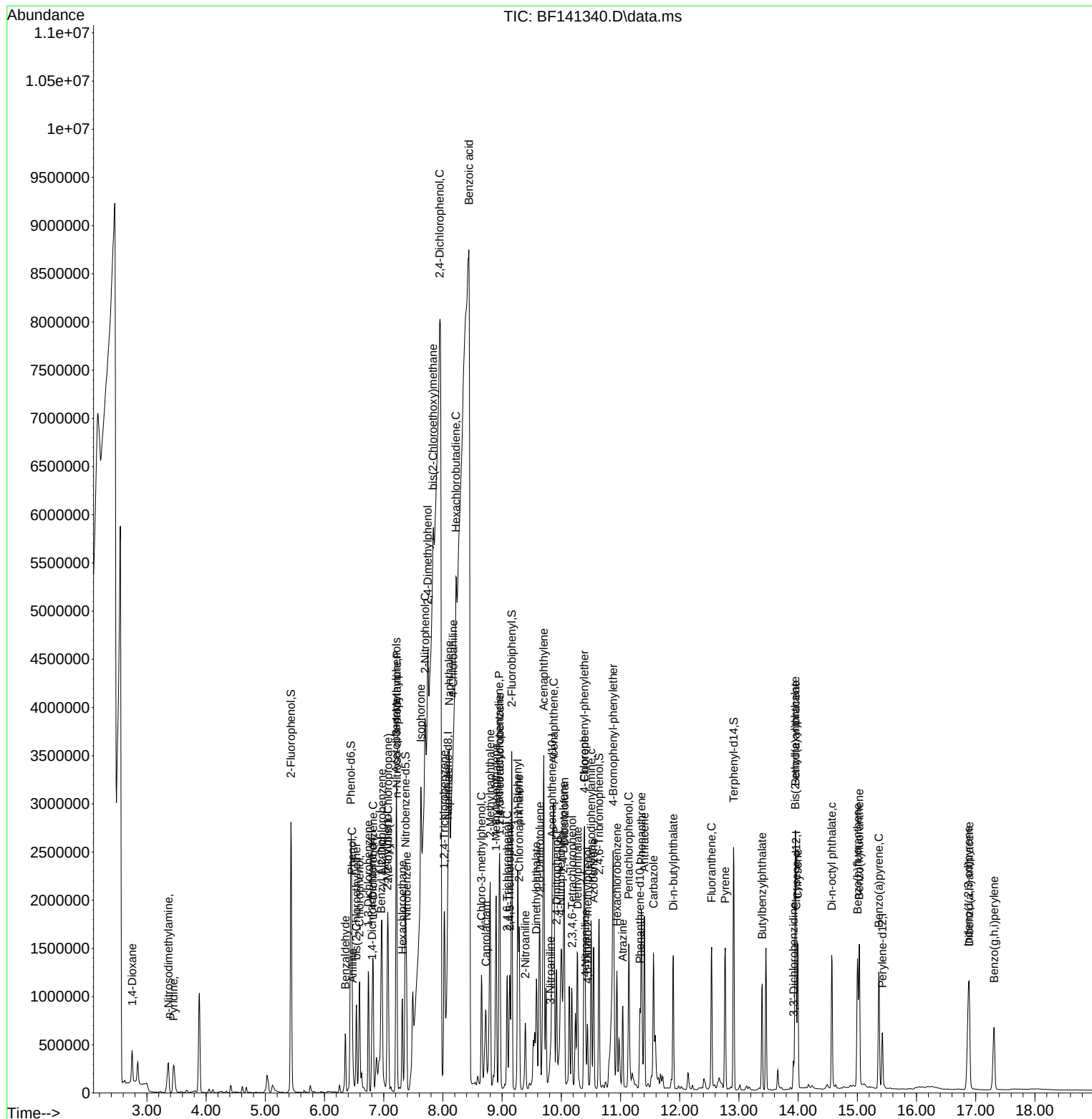
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Data File : BF141340.D
Acq On : 31 Jan 2025 19:11
Operator : RC/JU
Sample : Q1218-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

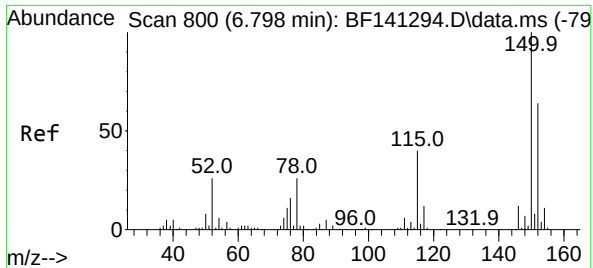
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:30:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





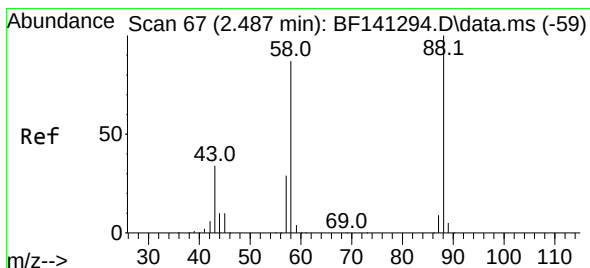
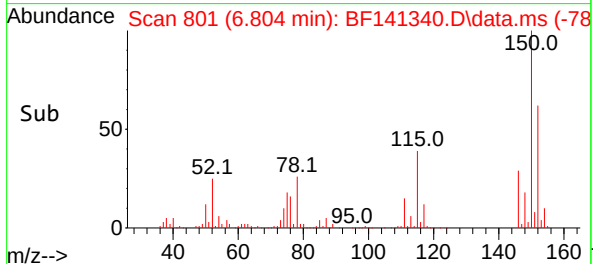
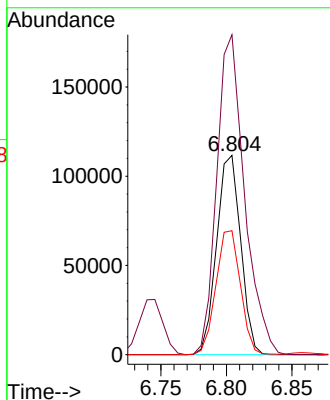
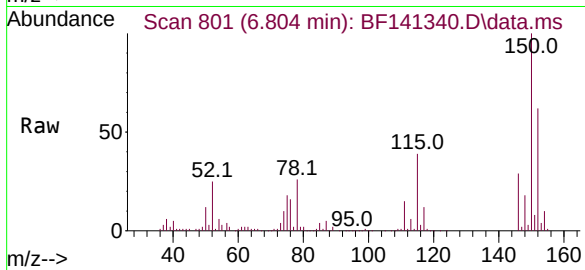
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion:152 Resp: 142670
Ion Ratio Lower Upper
152 100
150 160.6 125.9 188.9
115 62.2 49.7 74.5

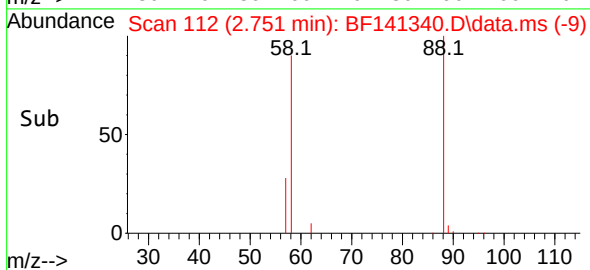
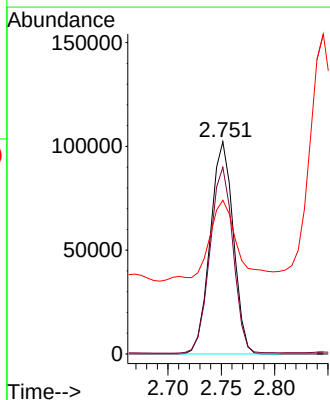
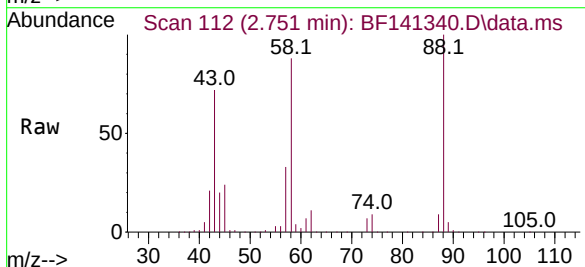
Manual Integrations
APPROVED

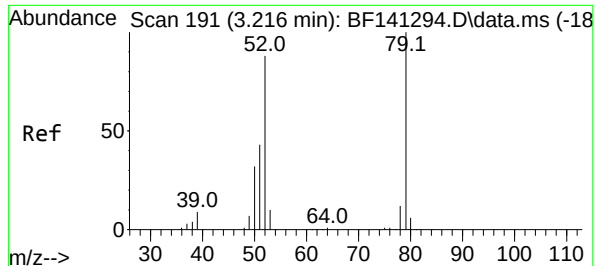
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 37.491 ng m
RT: 2.751 min Scan# 112
Delta R.T. 0.259 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

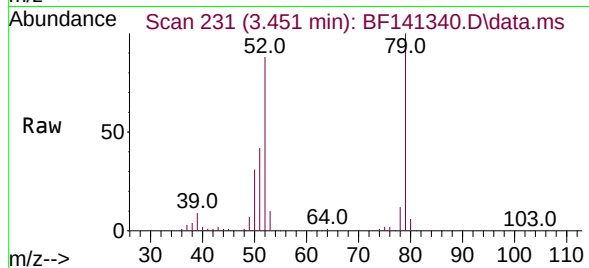
Tgt Ion: 88 Resp: 153231
Ion Ratio Lower Upper
88 100
58 128.1 70.2 105.4#
43 0.0 27.6 41.4#





#3
Pyridine
Concen: 22.303 ng
RT: 3.451 min Scan# 216
Delta R.T. 0.223 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

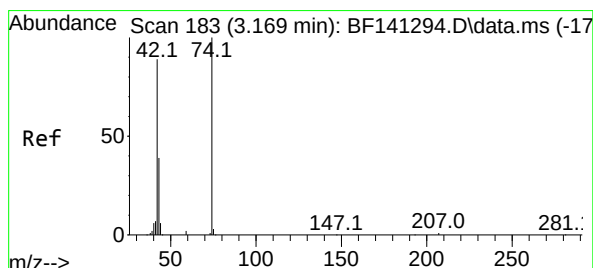
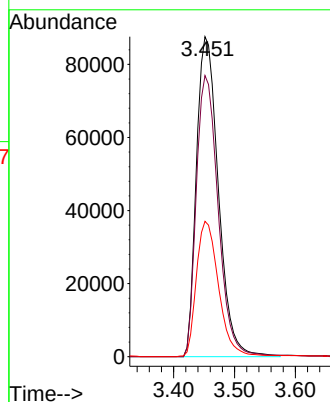
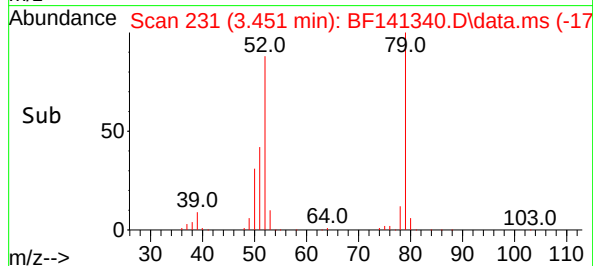
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



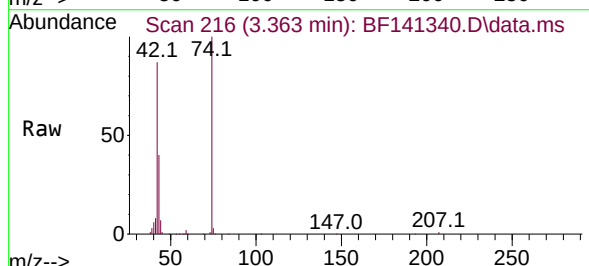
Tgt Ion: 79 Resp: 21963
Ion Ratio Lower Upper
79 100
52 87.9 70.3 105.5
51 42.3 34.3 51.5

Manual Integrations
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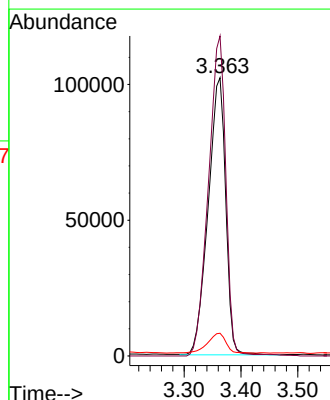
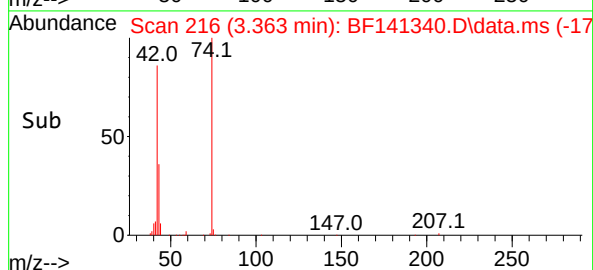
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

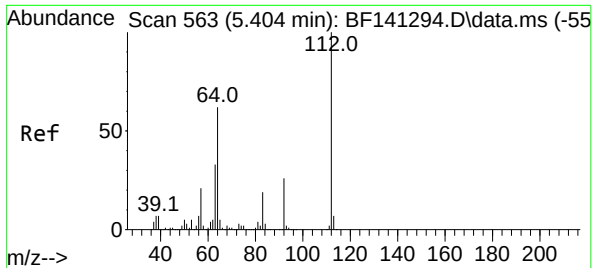


#4
n-Nitrosodimethylamine
Concen: 38.708 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.164 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



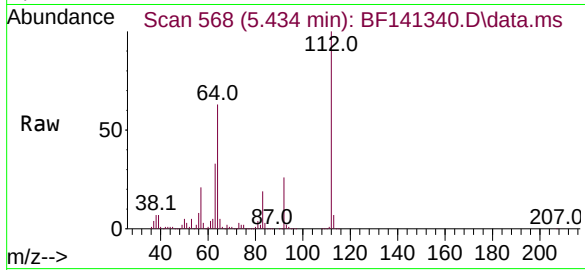
Tgt Ion: 42 Resp: 217752
Ion Ratio Lower Upper
42 100
74 115.0 90.3 135.5
44 8.1 5.7 8.5





#5
2-Fluorophenol
Concen: 123.752 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

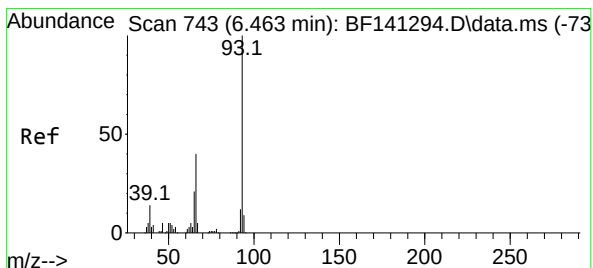
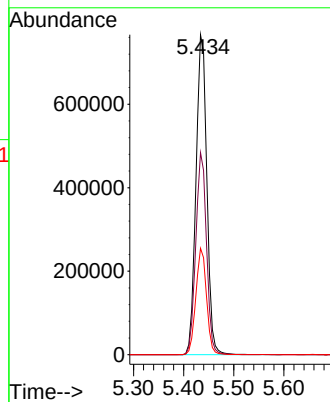
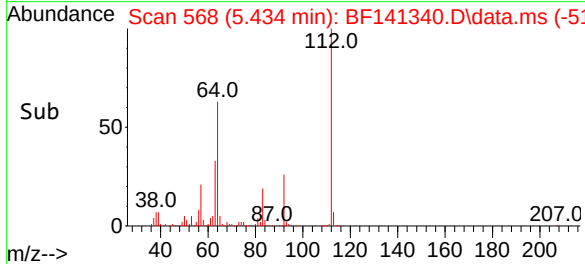
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion: 112 Resp: 1150050
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 33.2 26.1 39.1

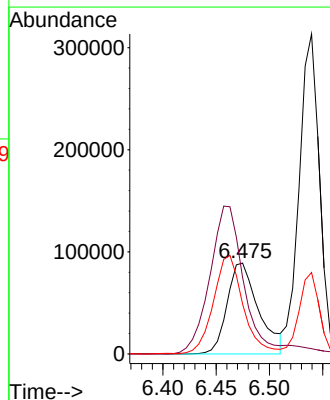
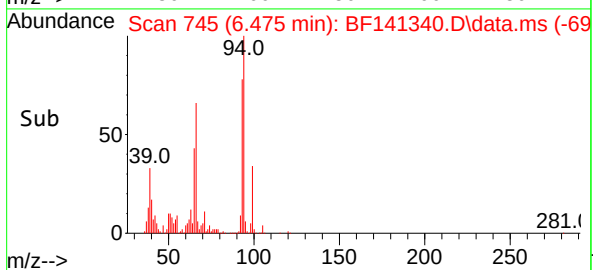
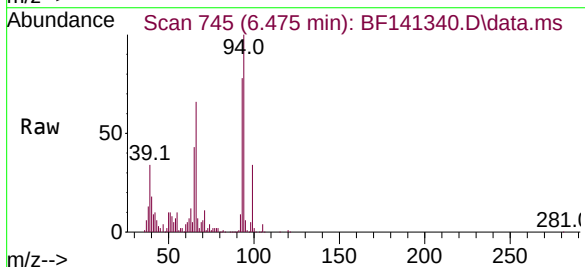
Manual Integrations
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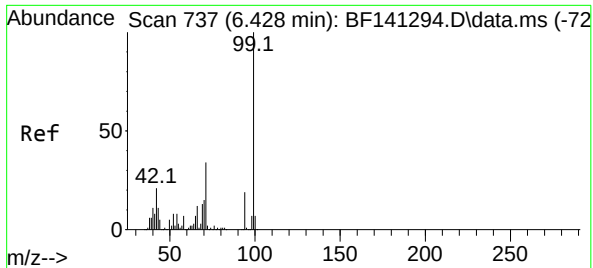
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 18.222 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

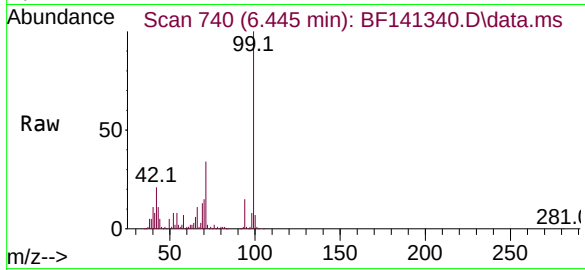
Tgt Ion: 93 Resp: 182356
Ion Ratio Lower Upper
93 100
66 84.1 32.5 48.7#
65 54.9 17.0 25.6#





#7
Phenol-d6
Concen: 117.589 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

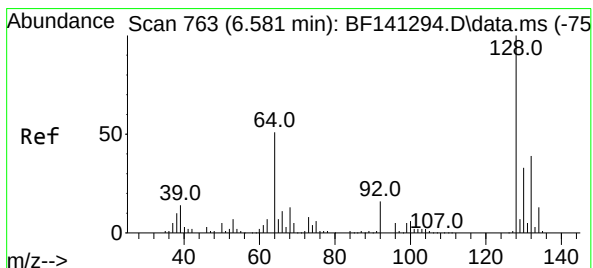
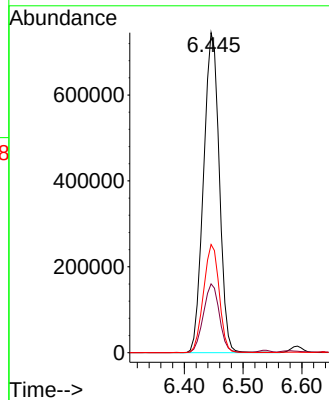
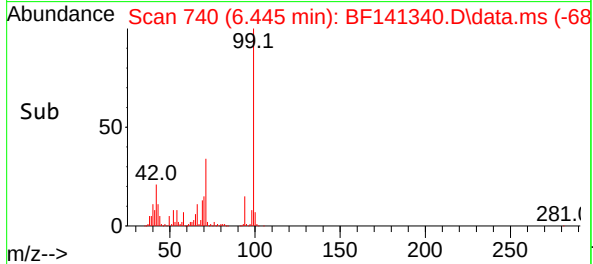
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion: 99 Resp: 139016
Ion Ratio Lower Upper
99 100
42 21.5 17.1 25.7
71 33.8 26.9 40.3

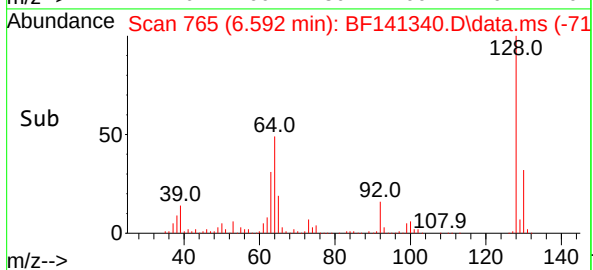
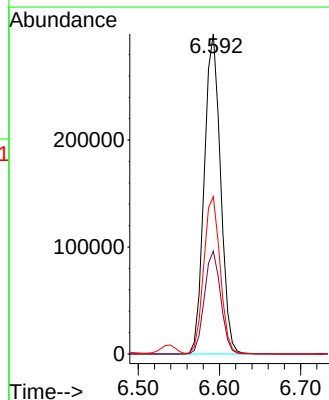
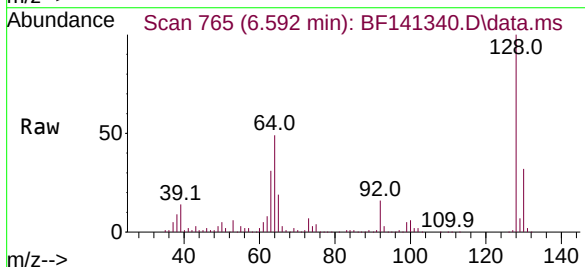
Manual Integrations
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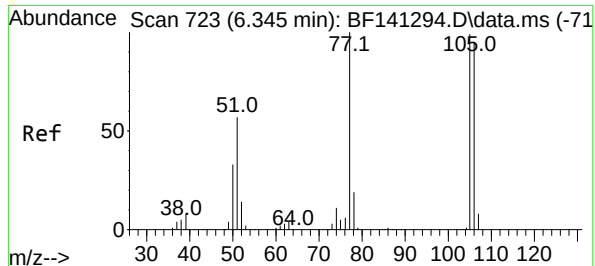
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 41.825 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:128 Resp: 416608
Ion Ratio Lower Upper
128 100
130 32.2 12.5 52.5
64 49.2 32.9 72.9





#9

Benzaldehyde

Concen: 23.287 ng

RT: 6.351 min Scan# 724

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 77 Resp: 159468

Ion Ratio Lower Upper

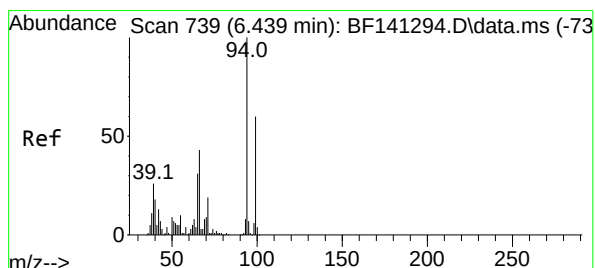
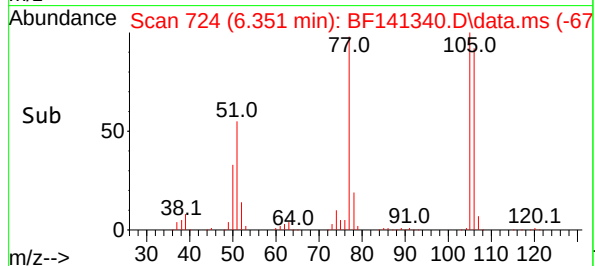
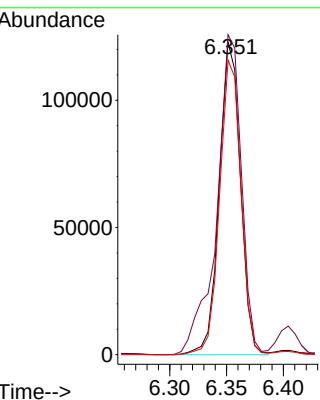
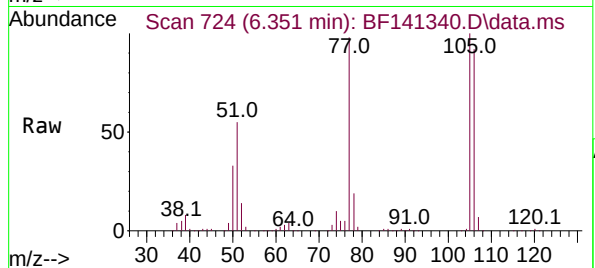
77 100

105 102.4 79.4 119.4

106 94.3 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#10

Phenol

Concen: 38.500 ng

RT: 6.463 min Scan# 743

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

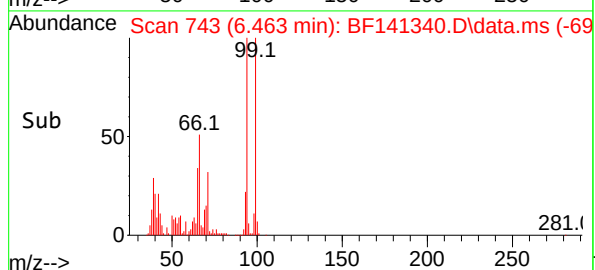
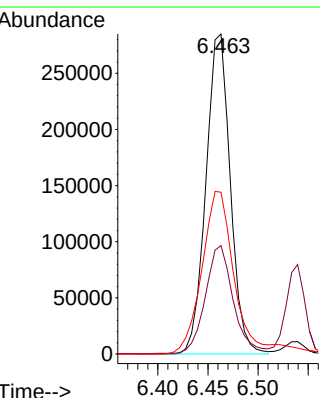
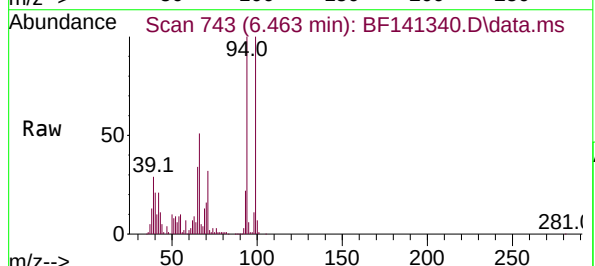
Tgt Ion: 94 Resp: 482481

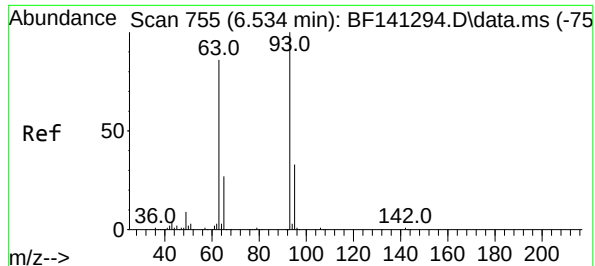
Ion Ratio Lower Upper

94 100

65 33.9 10.8 50.8

66 50.6 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 43.116 ng

RT: 6.539 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 93 Resp: 41430

Ion Ratio Lower Upper

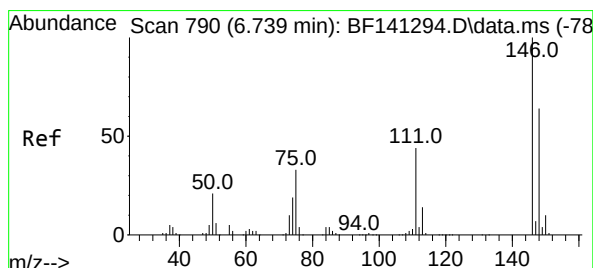
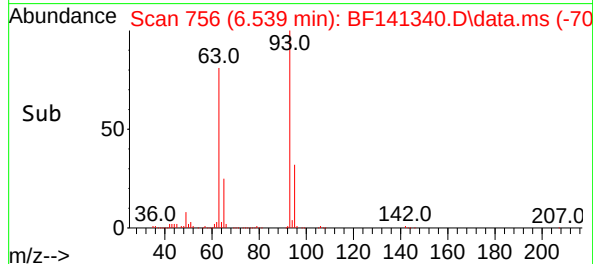
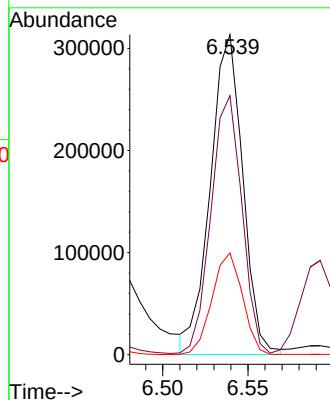
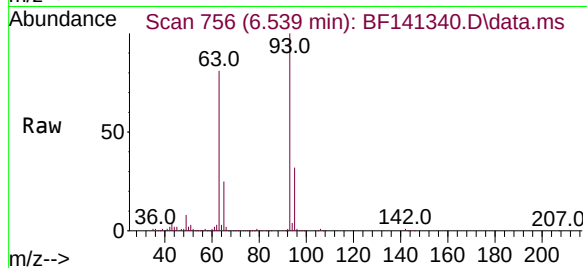
93 100

63 81.0 65.0 105.0

95 31.8 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#12

1,3-Dichlorobenzene

Concen: 35.965 ng

RT: 6.739 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

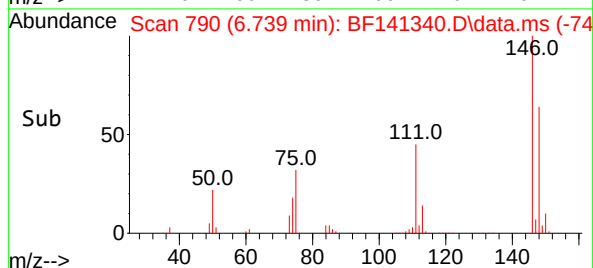
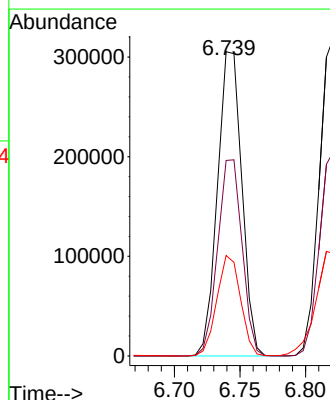
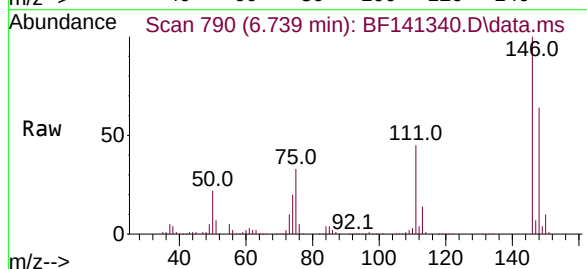
Tgt Ion:146 Resp: 394998

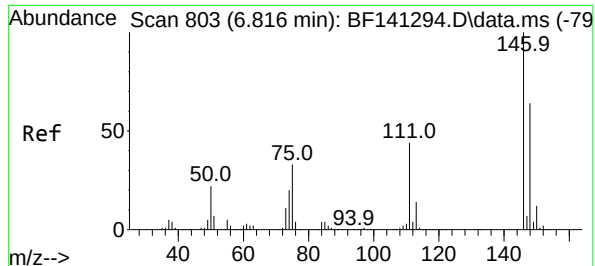
Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

75 33.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 36.378 ng

RT: 6.822 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:146 Resp: 40136

Ion Ratio Lower Upper

146 100

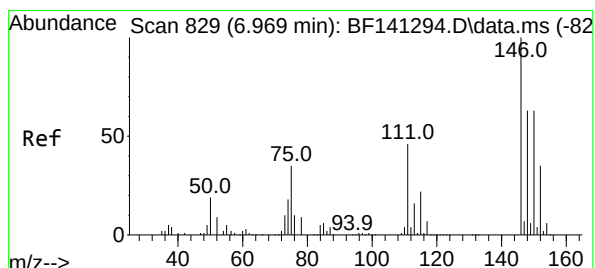
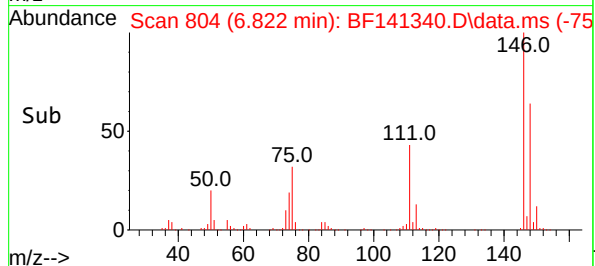
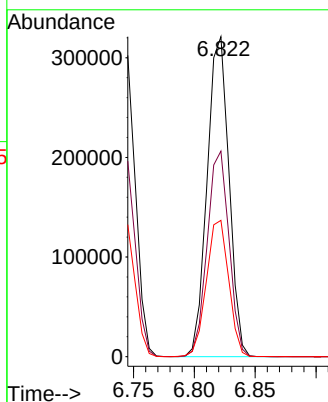
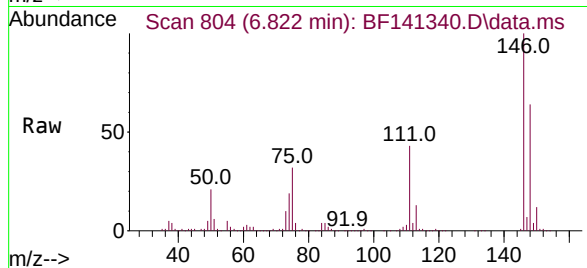
148 64.2 51.2 76.8

111 42.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 36.372 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

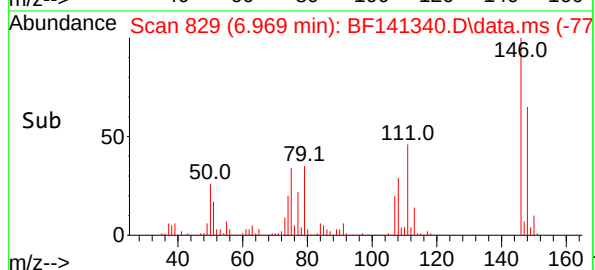
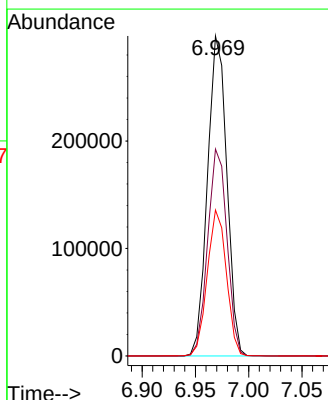
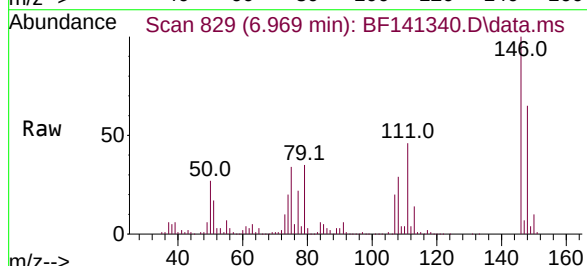
Tgt Ion:146 Resp: 375771

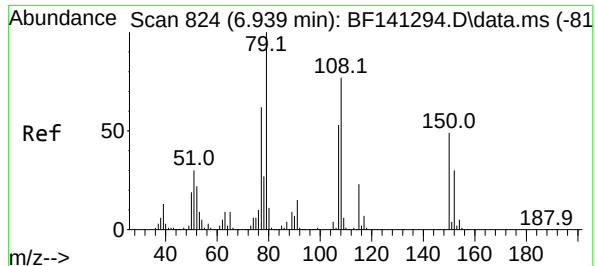
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 45.6 36.6 55.0





#15

Benzyl Alcohol

Concen: 43.371 ng

RT: 6.957 min Scan# 824

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 79 Resp: 350399

Ion Ratio Lower Upper

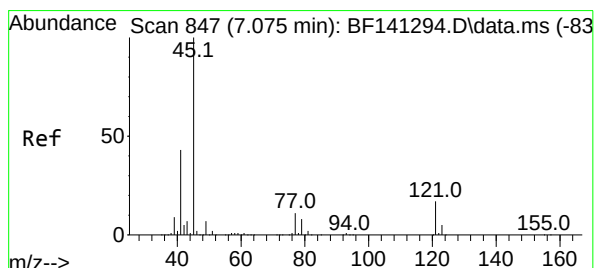
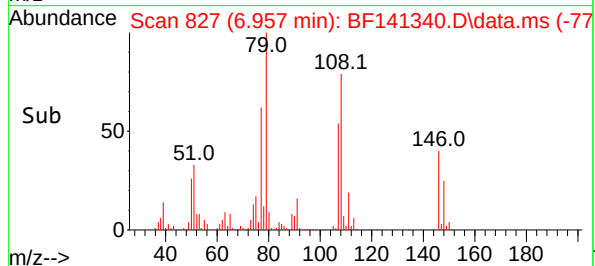
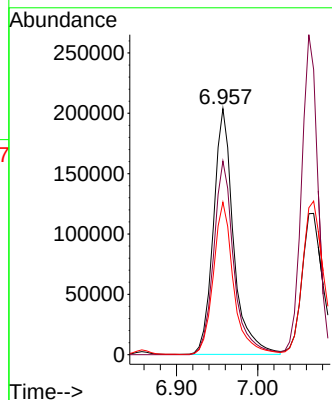
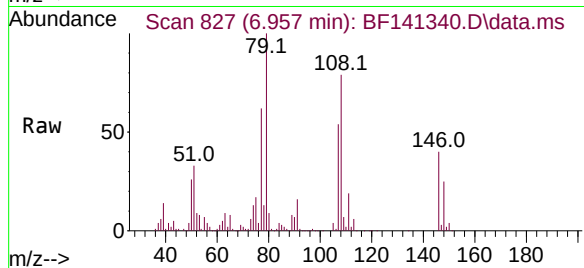
79 100

108 78.6 61.4 92.0

77 61.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.803 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

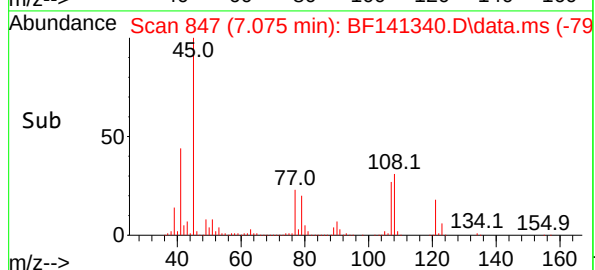
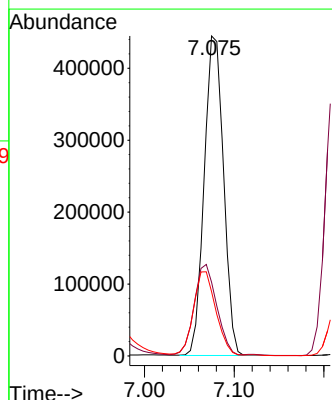
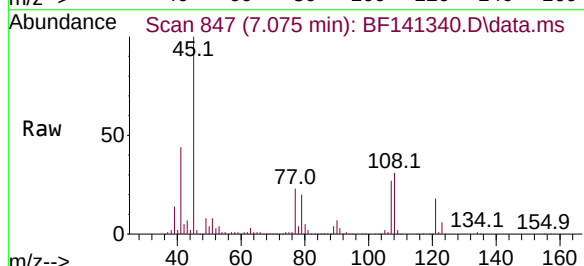
Tgt Ion: 45 Resp: 665073

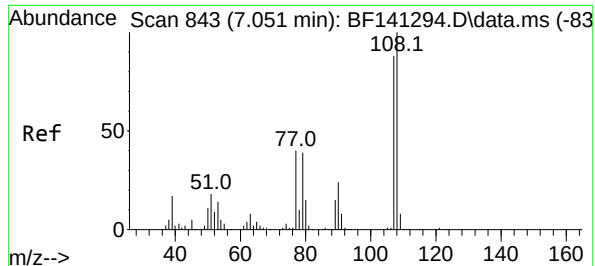
Ion Ratio Lower Upper

45 100

77 23.0 0.0 31.8

79 20.1 0.0 29.1





#17

2-Methylphenol

Concen: 40.146 ng

RT: 7.063 min Scan# 843

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:107 Resp: 325000

Ion Ratio Lower Upper

107 100

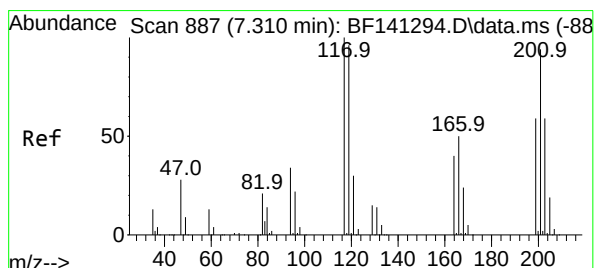
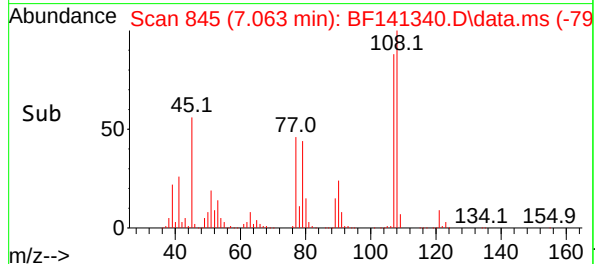
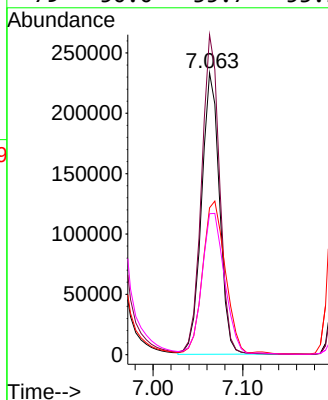
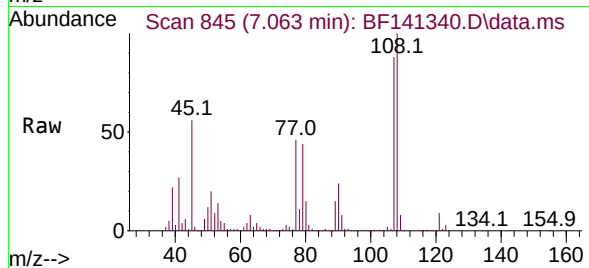
108 113.6 90.8 136.2

77 52.2 36.2 54.4

79 50.0 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#18

Hexachloroethane

Concen: 38.279 ng

RT: 7.316 min Scan# 888

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

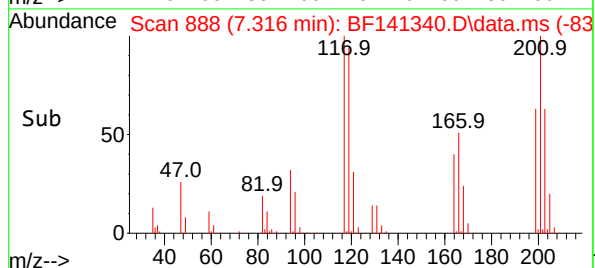
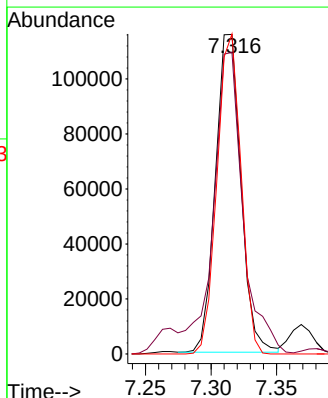
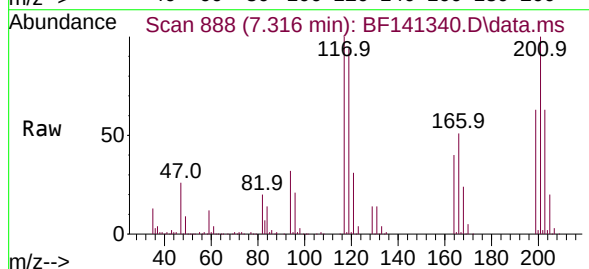
Tgt Ion:117 Resp: 155805

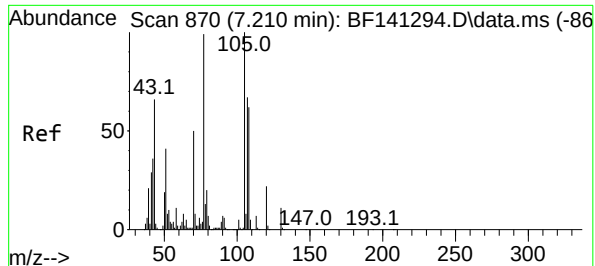
Ion Ratio Lower Upper

117 100

119 94.4 76.6 114.8

201 100.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 40.266 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 70 Resp: 28286

Ion Ratio Lower Upper

70 100

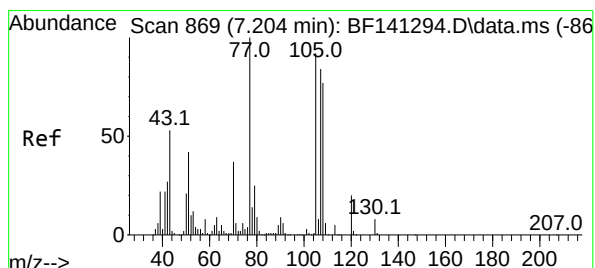
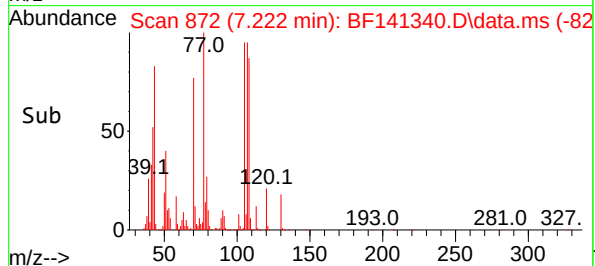
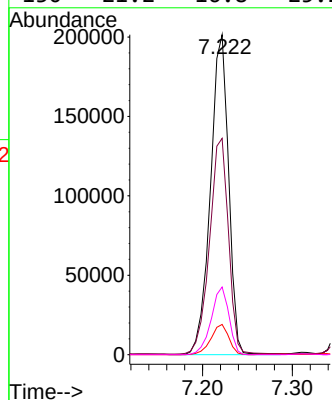
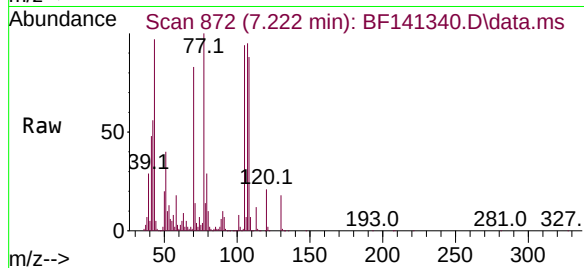
42 67.6 56.8 85.2

101 9.4 7.7 11.5

130 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#20

3+4-Methylphenols

Concen: 39.995 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:107 Resp: 397542

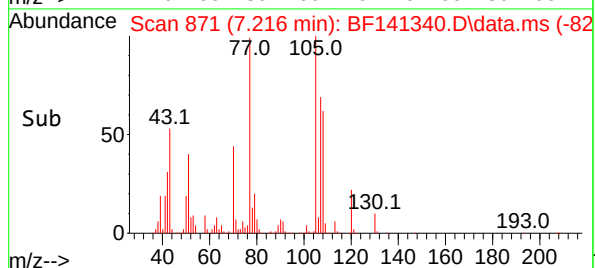
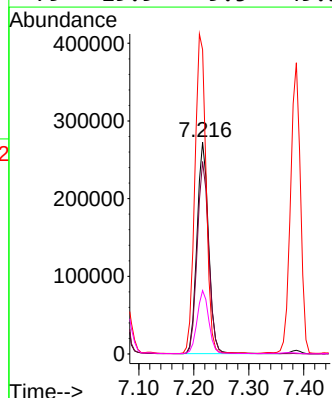
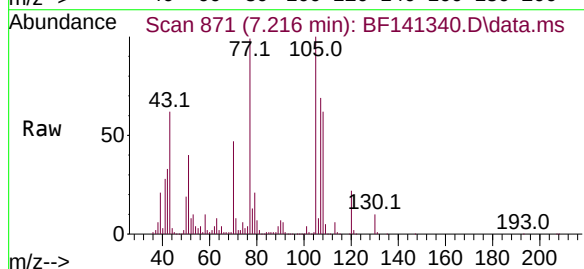
Ion Ratio Lower Upper

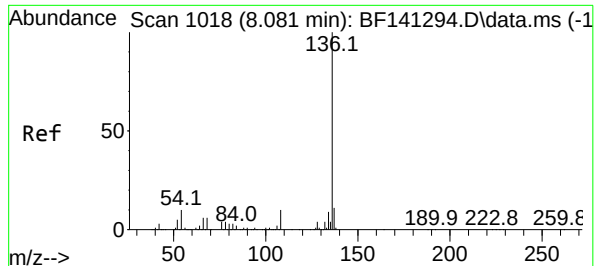
107 100

108 90.9 70.9 110.9

77 143.7 98.5 138.5#

79 29.9 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.086 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BF141340.D

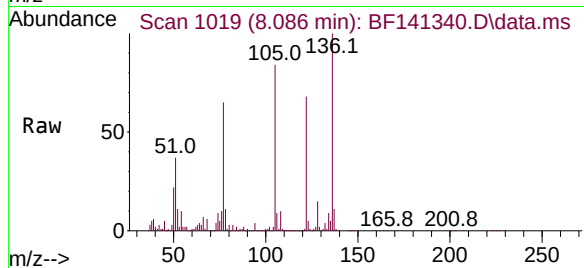
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:136 Resp: 521314

Ion Ratio Lower Upper

136 100

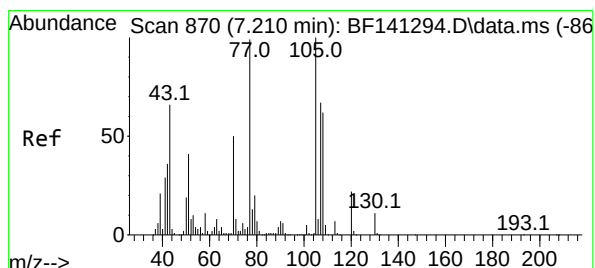
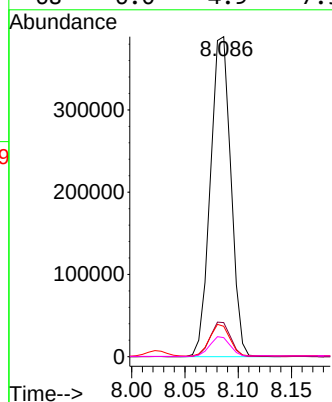
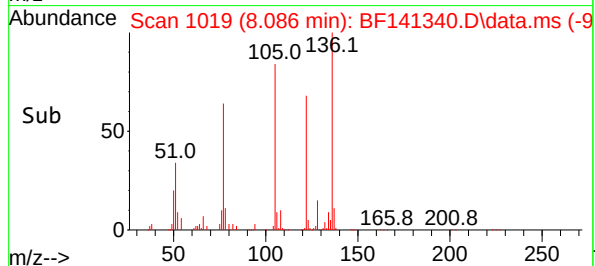
137 10.7 8.6 13.0

54 9.5 7.8 11.8

68 6.0 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

Concen: 47.856 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:105 Resp: 593012

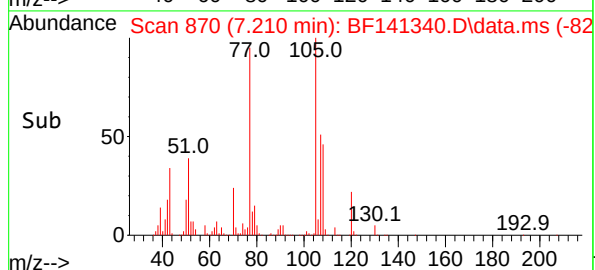
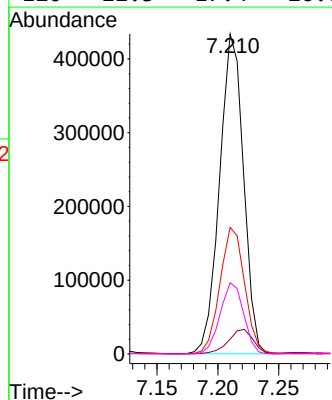
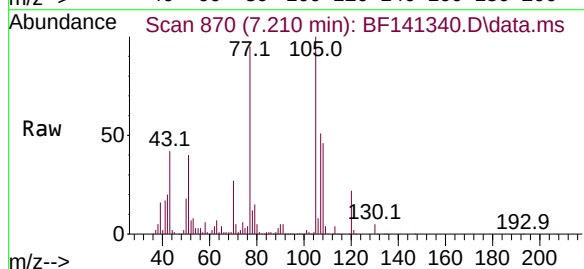
Ion Ratio Lower Upper

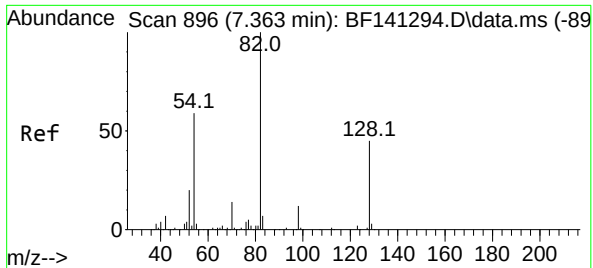
105 100

71 4.6 6.8 10.2#

51 39.5 32.6 49.0

120 22.3 17.4 26.0





#23

Nitrobenzene-d5

Concen: 89.426 ng

RT: 7.369 min Scan# 896

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion: 82 Resp: 884339

Ion Ratio Lower Upper

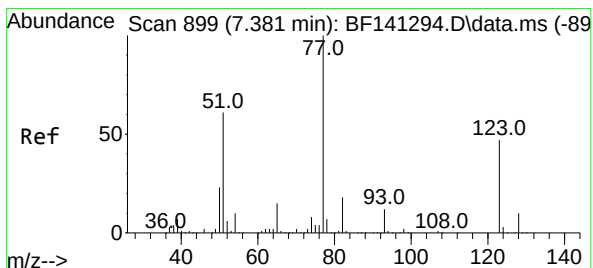
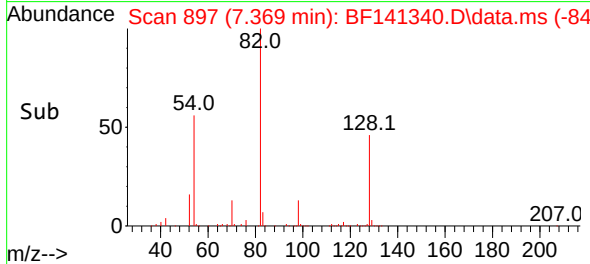
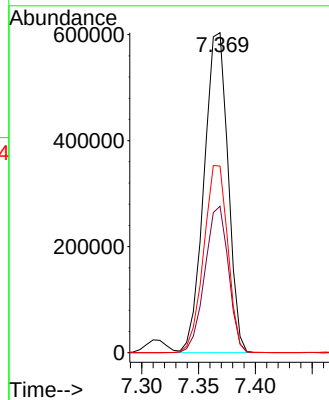
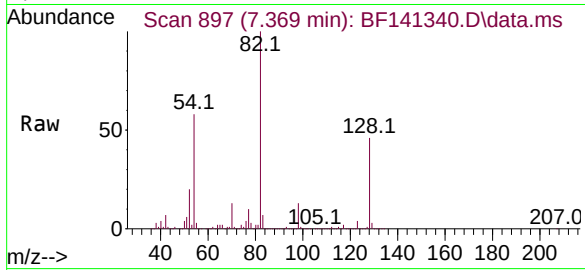
82 100

128 45.7 35.7 53.5

54 58.3 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#24

Nitrobenzene

Concen: 45.791 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

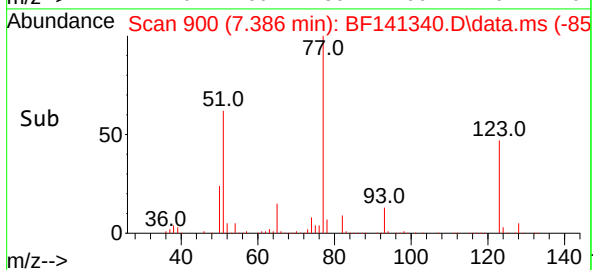
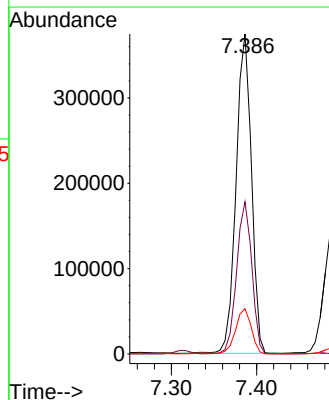
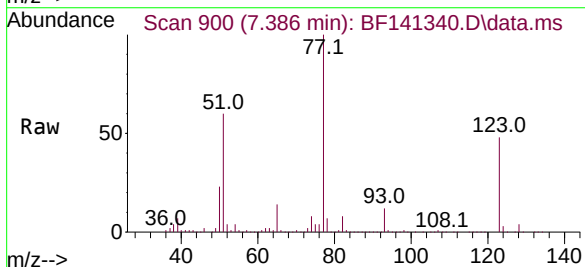
Tgt Ion: 77 Resp: 469271

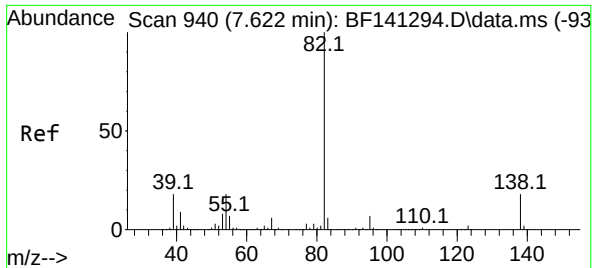
Ion Ratio Lower Upper

77 100

123 47.5 37.3 55.9

65 14.2 11.8 17.6





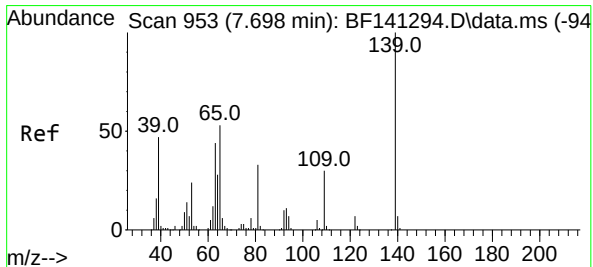
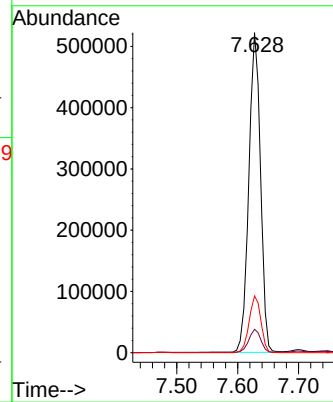
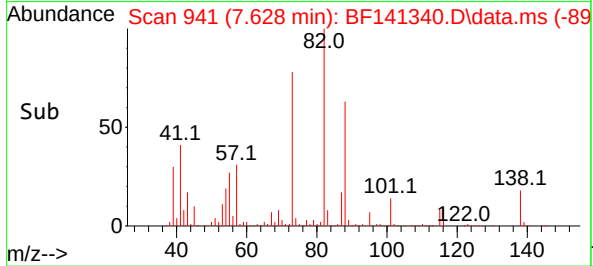
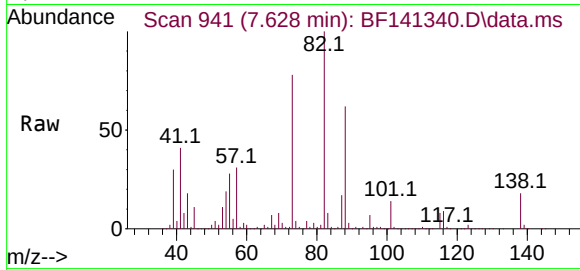
#25
Isophorone
Concen: 40.597 ng
RT: 7.628 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion: 82 Resp: 69397
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.8 14.7 22.1

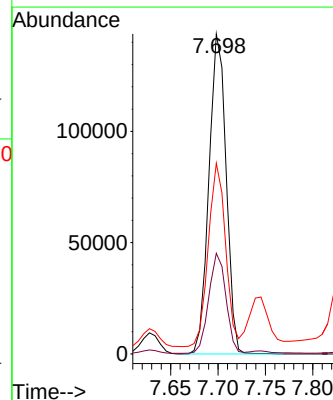
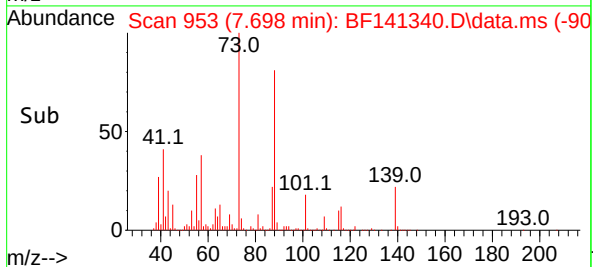
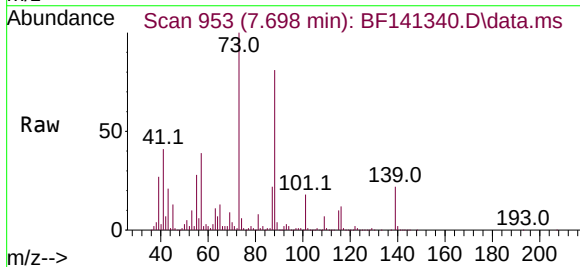
Manual Integrations
APPROVED

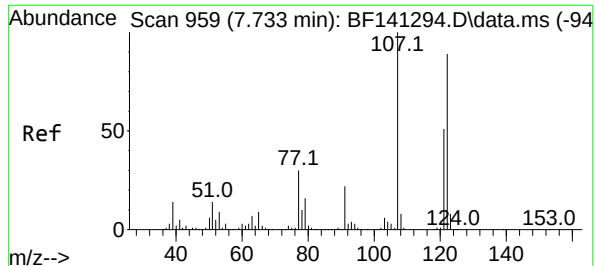
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 37.483 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:139 Resp: 181160
Ion Ratio Lower Upper
139 100
109 31.5 23.8 35.6
65 59.6 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 44.861 ng m

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141340.D

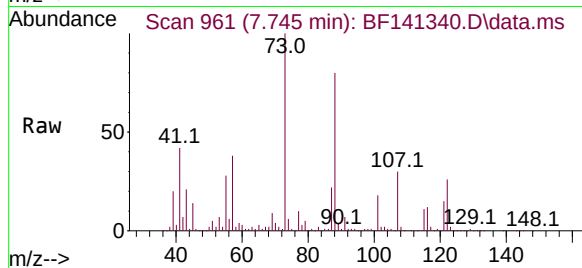
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:122 Resp: 27597

Ion Ratio Lower Upper

122 100

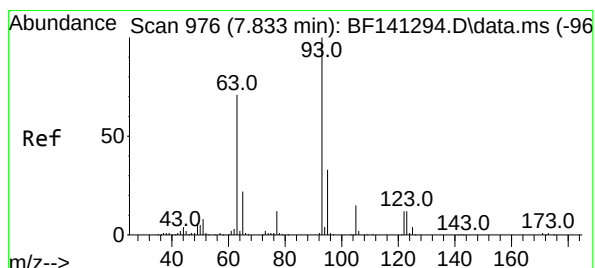
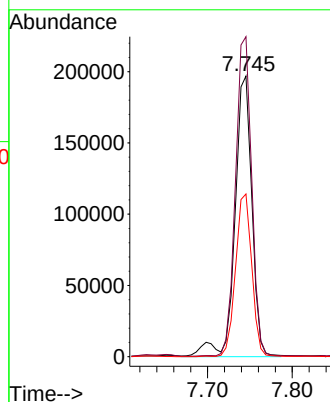
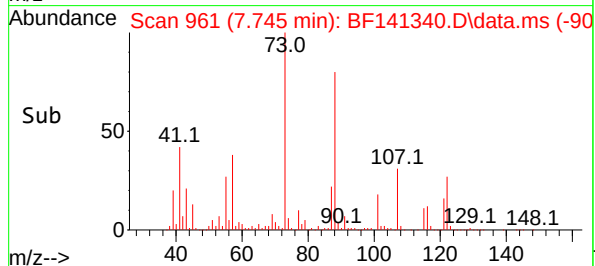
107 114.0 89.9 134.9

121 58.0 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 32.505 ng

RT: 7.833 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

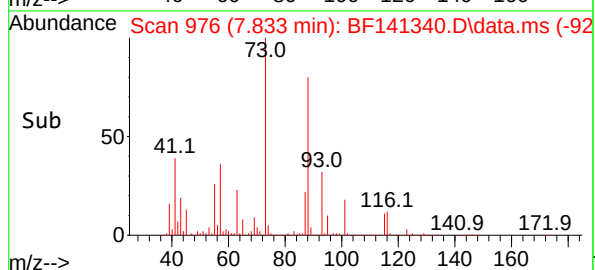
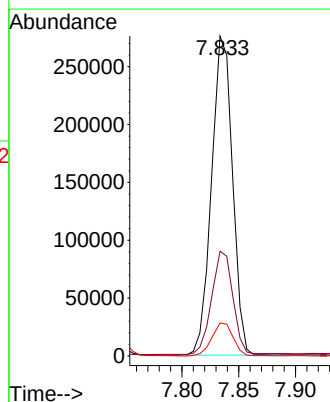
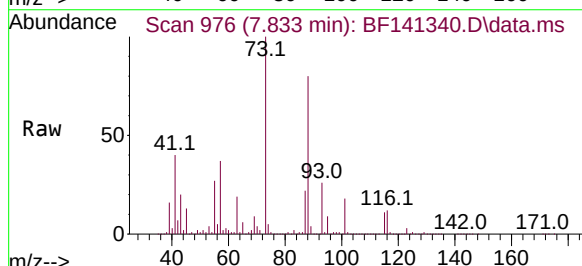
Tgt Ion: 93 Resp: 354422

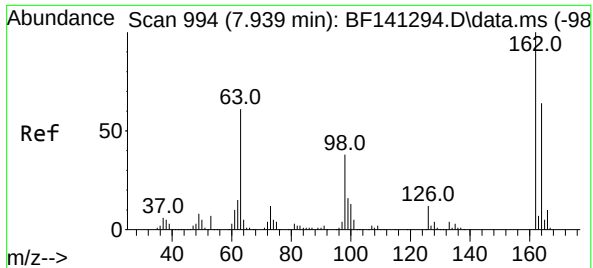
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 10.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 28.795 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:162 Resp: 21686

Ion Ratio Lower Upper

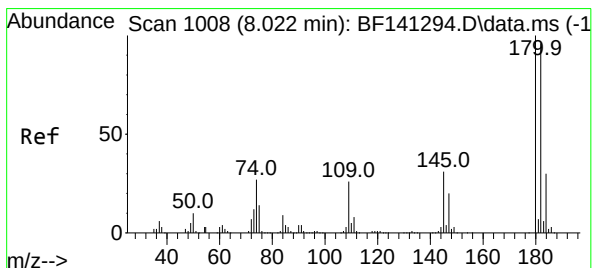
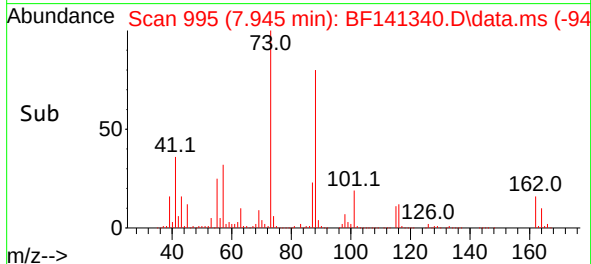
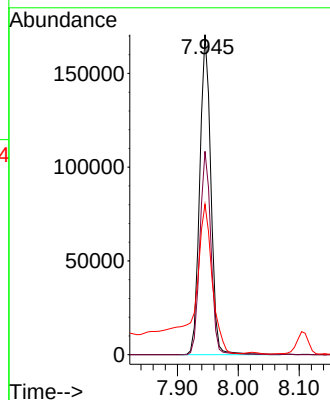
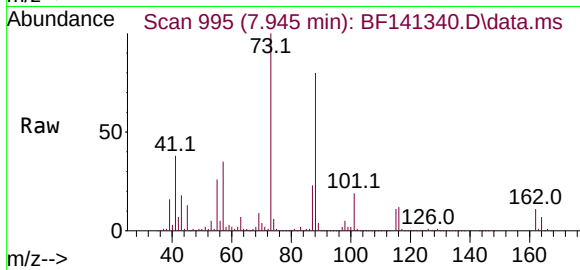
162 100

164 63.5 44.2 84.2

98 47.0 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 38.916 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

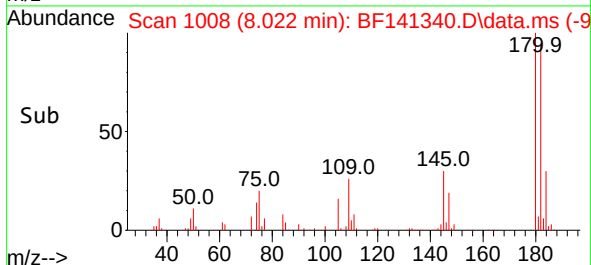
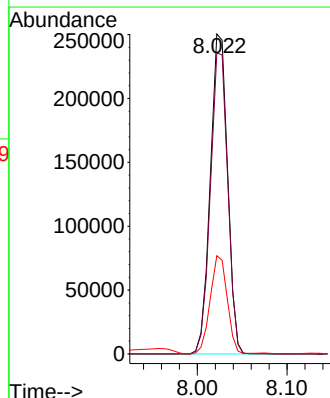
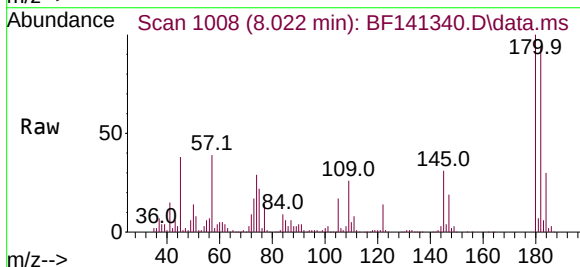
Tgt Ion:180 Resp: 334708

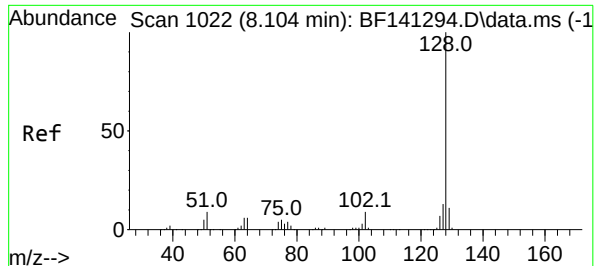
Ion Ratio Lower Upper

180 100

182 94.1 76.4 114.6

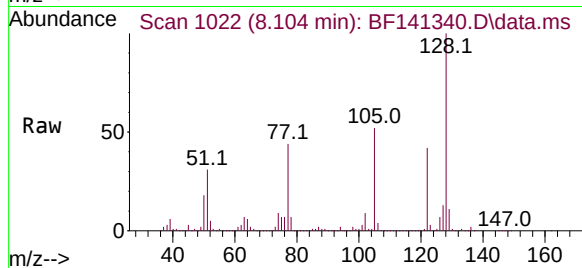
145 30.7 24.9 37.3





#31
Naphthalene
Concen: 38.311 ng
RT: 8.104 min Scan# 1079
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

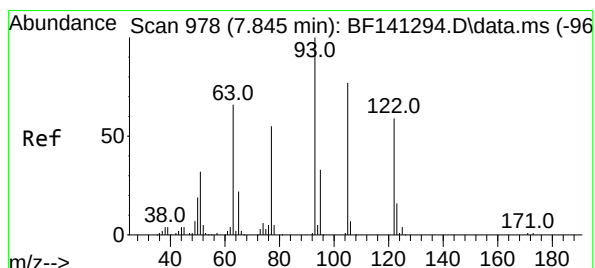
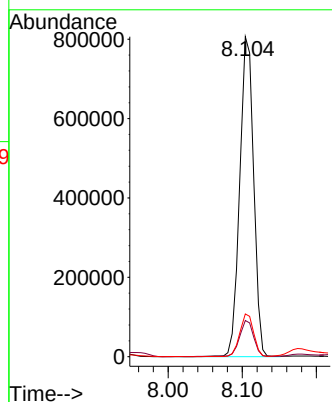
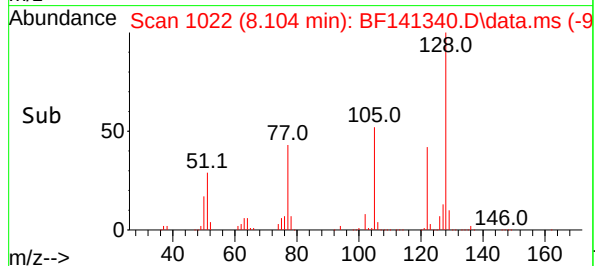
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:128 Resp: 1055072
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.4 10.6 15.8

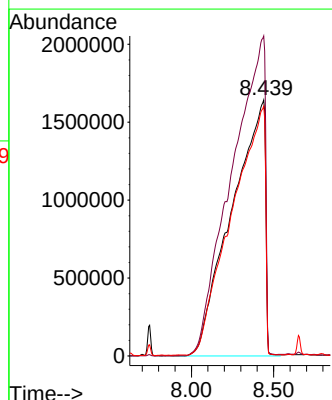
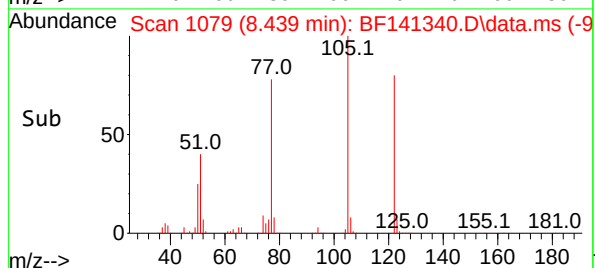
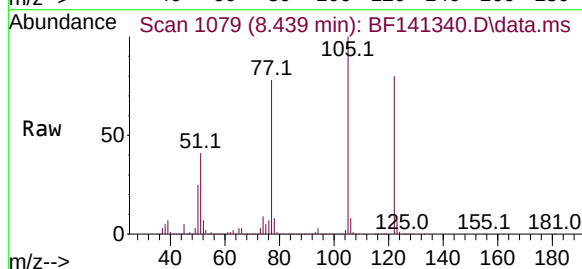
Manual Integrations
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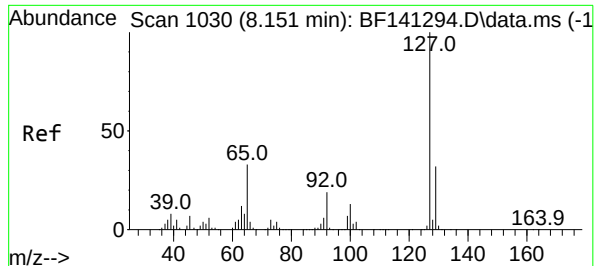
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 4106.266 ng m
RT: 8.439 min Scan# 1079
Delta R.T. 0.559 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:122 Resp:23221760
Ion Ratio Lower Upper
122 100
105 125.0 103.4 143.4
77 97.5 70.9 110.9





#33

4-Chloroaniline

Concen: 6.181 ng

RT: 8.175 min Scan# 1030

Delta R.T. 0.017 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:127 Resp: 57720

Ion Ratio Lower Upper

127 100

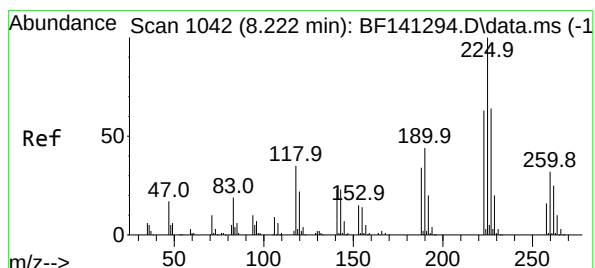
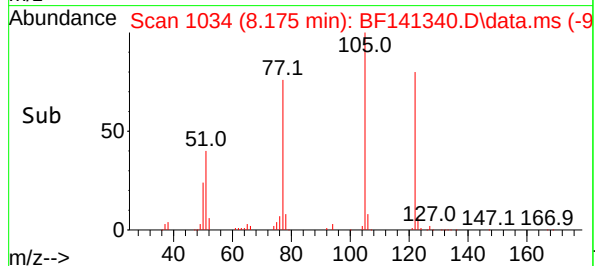
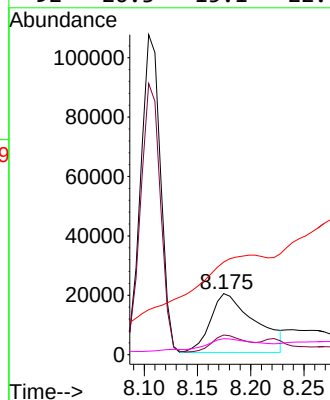
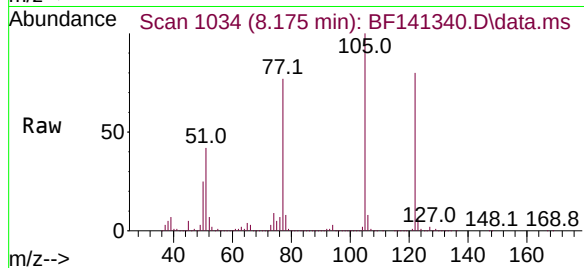
129 32.2 25.7 38.5

65 151.6 26.4 39.6

92 26.3 15.1 22.7#

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#34

Hexachlorobutadiene

Concen: 32.412 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

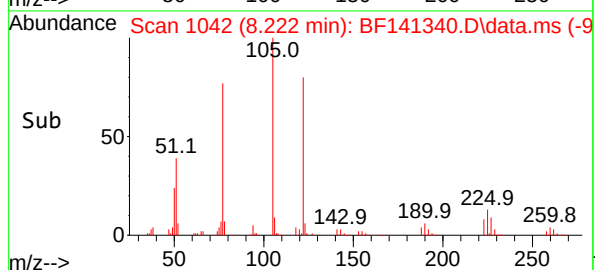
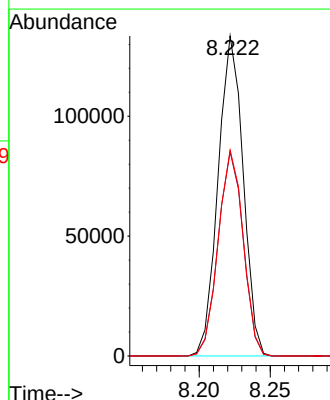
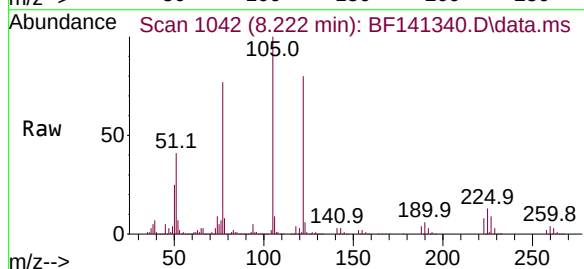
Tgt Ion:225 Resp: 163478

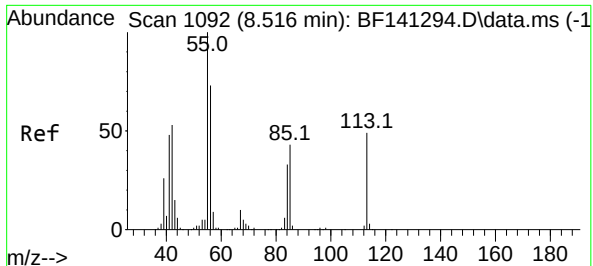
Ion Ratio Lower Upper

225 100

223 63.8 50.4 75.6

227 64.4 51.3 76.9





#35

Caprolactam

Concen: 40.952 ng

RT: 8.728 min Scan# 1128

Delta R.T. 0.182 min

Lab File: BF141340.D

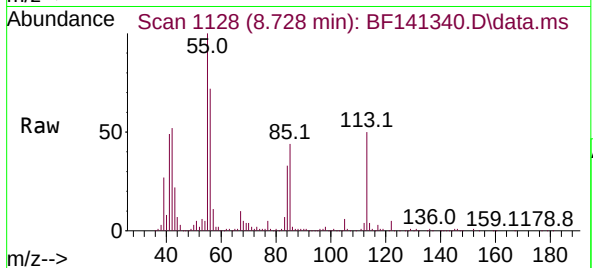
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:113 Resp: 100729

Ion Ratio Lower Upper

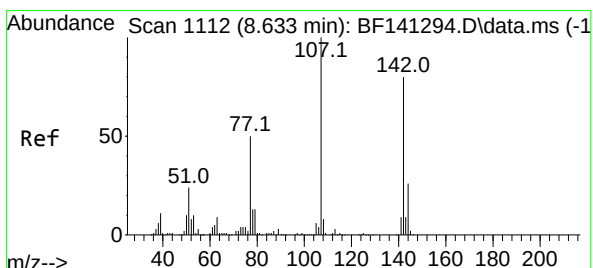
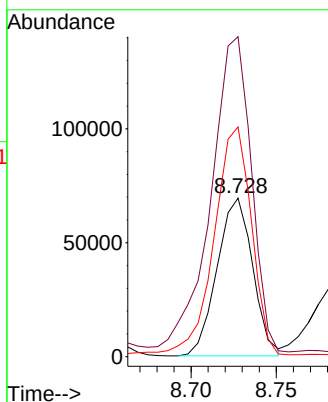
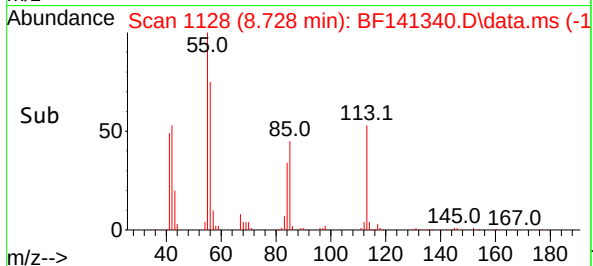
113 100

55 201.8 182.9 222.9

56 144.9 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#36

4-Chloro-3-methylphenol

Concen: 43.224 ng

RT: 8.651 min Scan# 1115

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

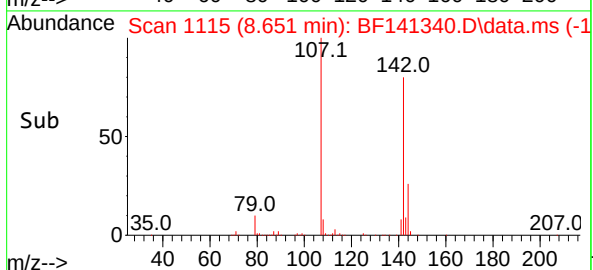
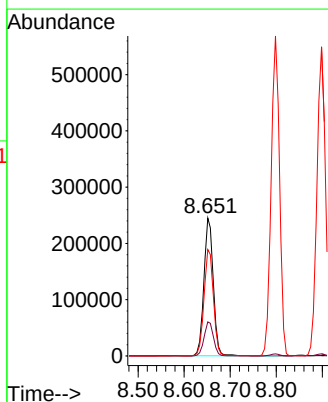
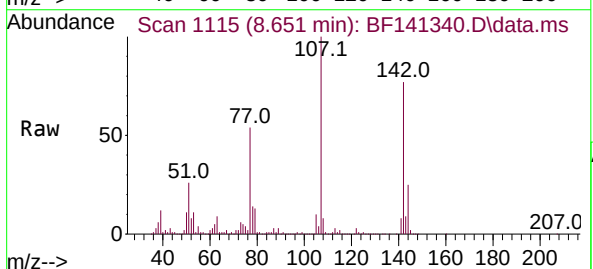
Tgt Ion:107 Resp: 349171

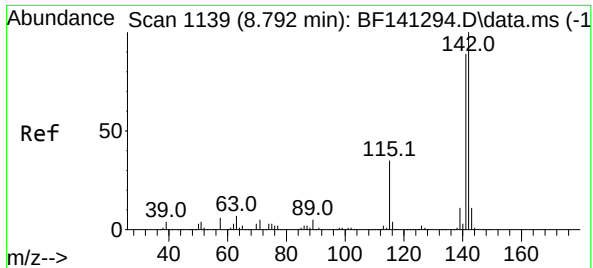
Ion Ratio Lower Upper

107 100

144 24.7 20.7 31.1

142 77.2 63.8 95.8





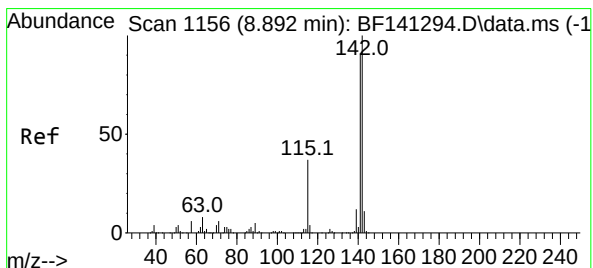
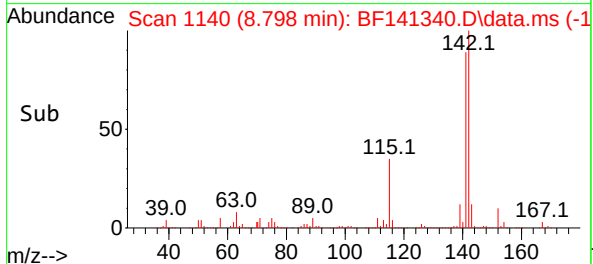
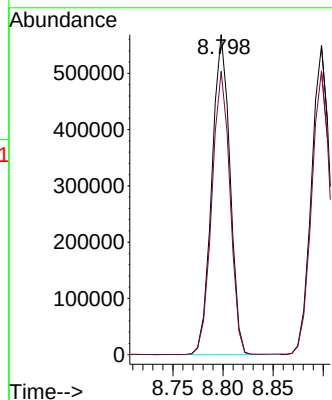
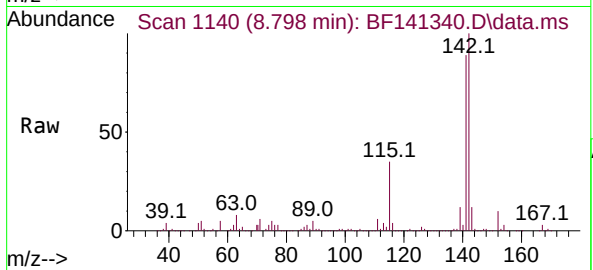
#37
2-Methylnaphthalene
Concen: 40.815 ng
RT: 8.798 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion:142 Resp: 71442
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9

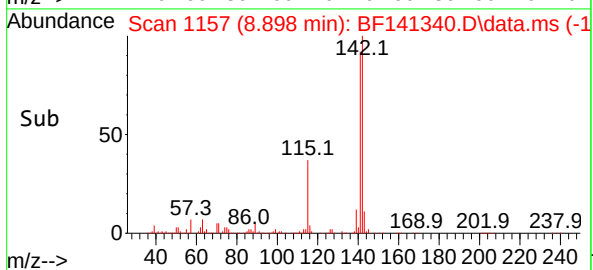
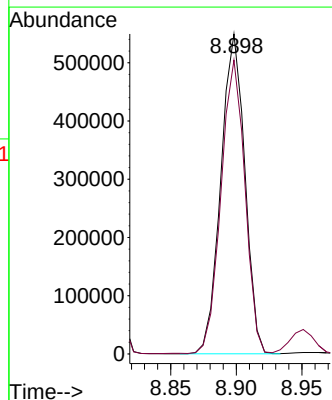
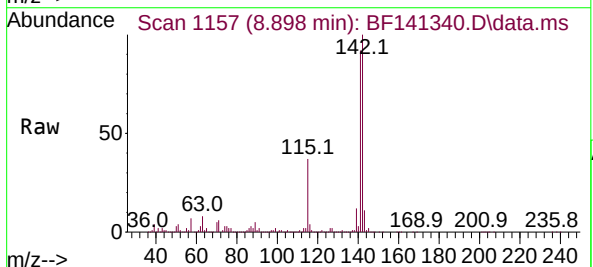
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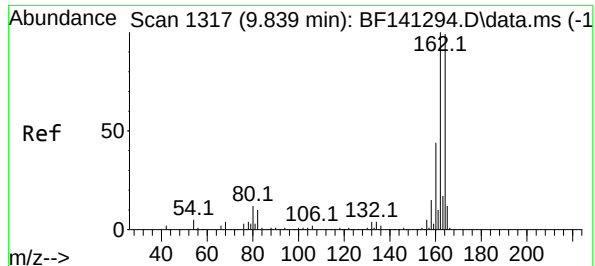
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 40.561 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:142 Resp: 697402
Ion Ratio Lower Upper
142 100
141 91.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1167

Delta R.T. 0.006 min

Lab File: BF141340.D

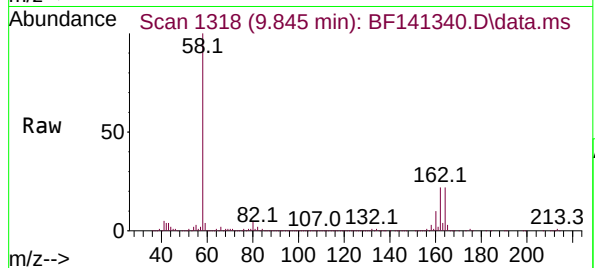
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:164 Resp: 271292

Ion Ratio Lower Upper

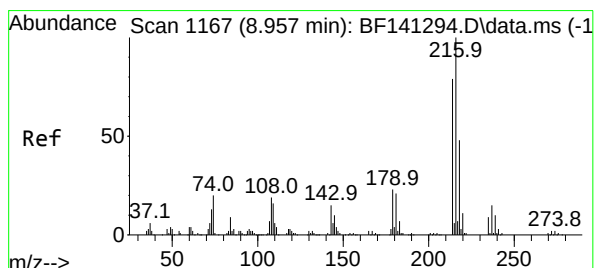
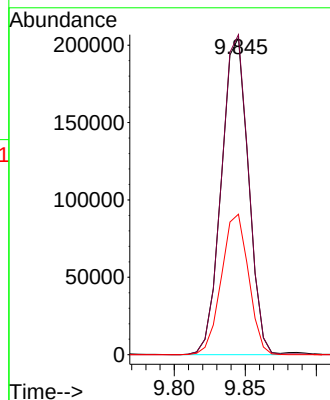
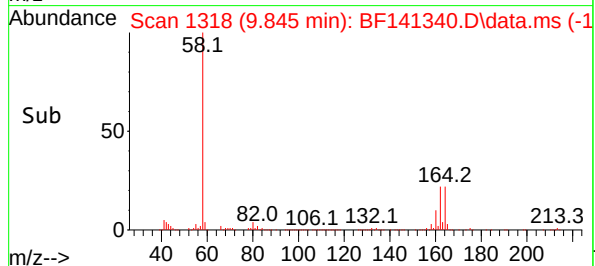
164 100

162 101.0 80.6 121.0

160 44.4 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

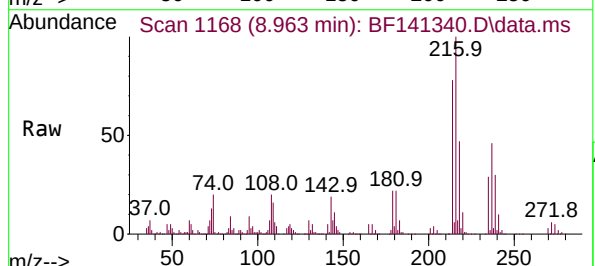
Concen: 47.739 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11



Tgt Ion:216 Resp: 368448

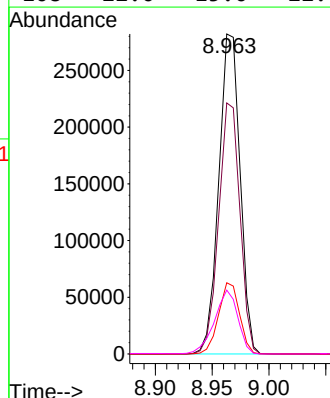
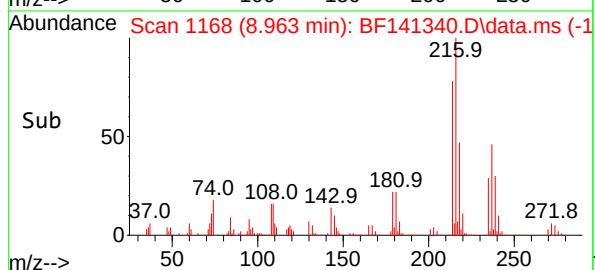
Ion Ratio Lower Upper

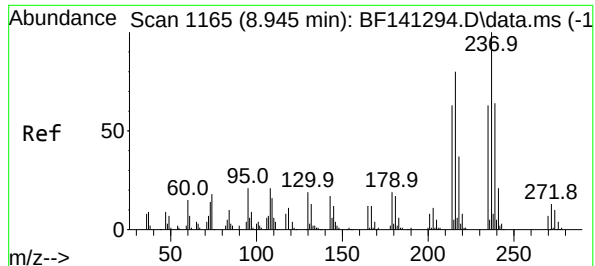
216 100

214 78.3 63.2 94.8

179 21.9 17.8 26.8

108 22.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 185.647 ng

RT: 8.951 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:237 Resp: 42315

Ion Ratio Lower Upper

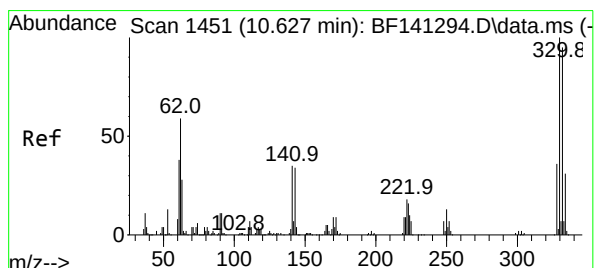
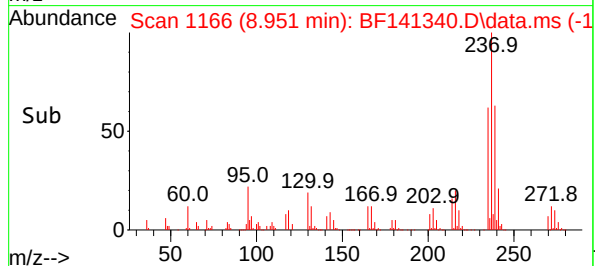
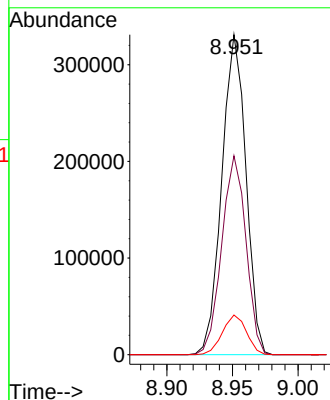
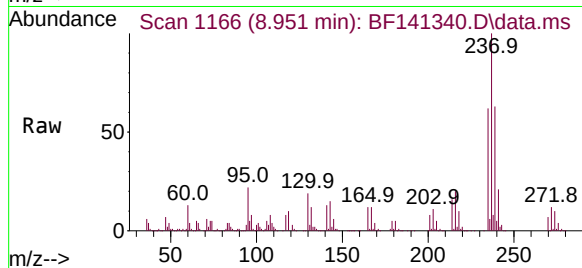
237 100

235 62.1 42.9 82.9

272 12.4 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 119.788 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

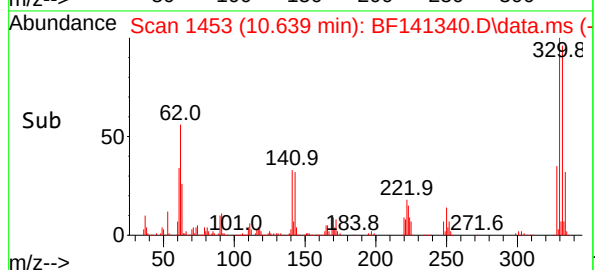
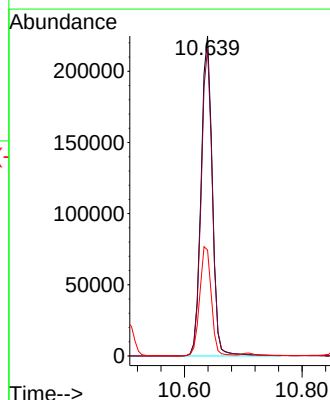
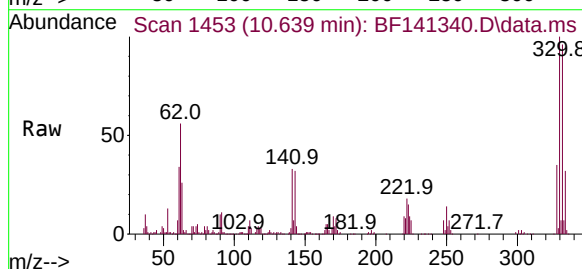
Tgt Ion:330 Resp: 297928

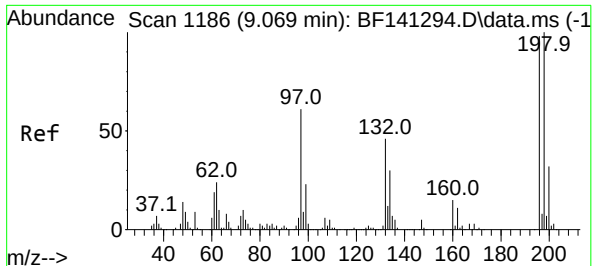
Ion Ratio Lower Upper

330 100

332 96.1 76.1 114.1

141 35.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 45.039 ng

RT: 9.086 min Scan# 1186

Delta R.T. 0.012 min

Lab File: BF141340.D

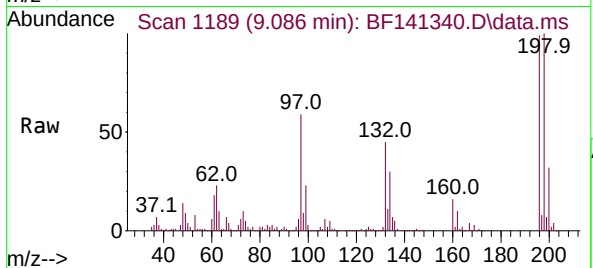
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD



Tgt Ion:196 Resp: 22752

Ion Ratio Lower Upper

196 100

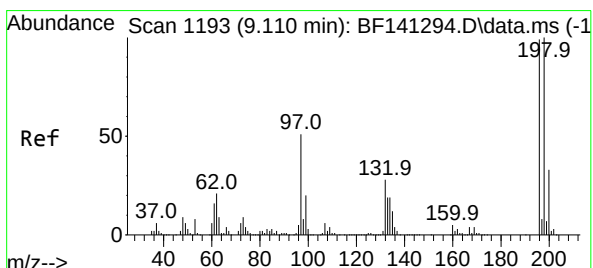
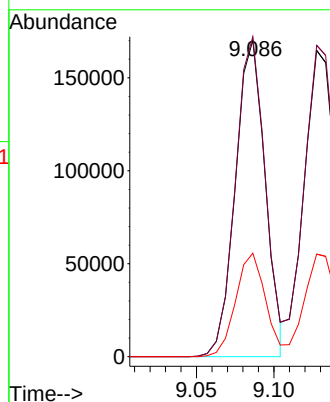
198 101.2 81.8 122.6

200 32.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 43.818 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Tgt Ion:196 Resp: 240917

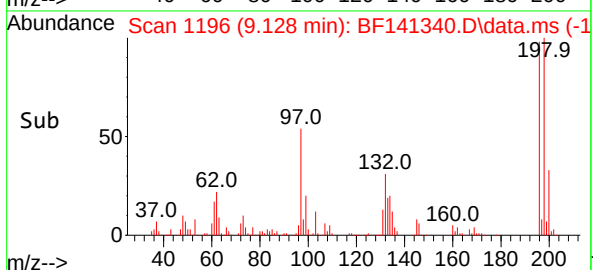
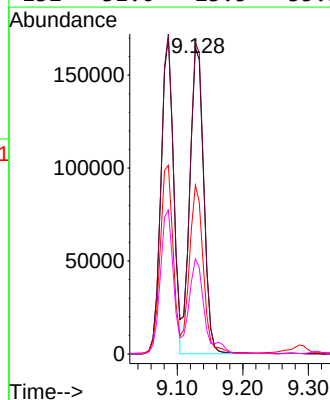
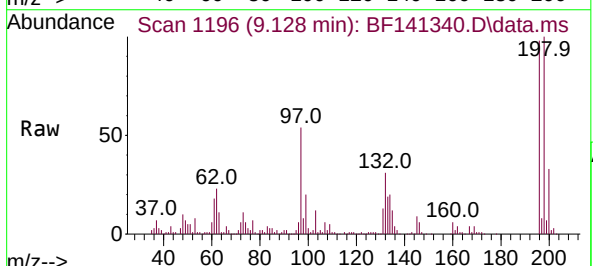
Ion Ratio Lower Upper

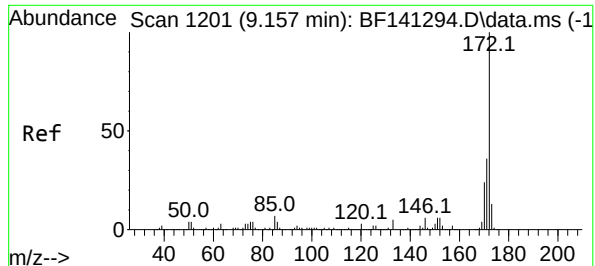
196 100

198 101.7 80.5 120.7

97 55.1 42.8 64.2

132 31.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 85.665 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:172 Resp: 150990

Ion Ratio Lower Upper

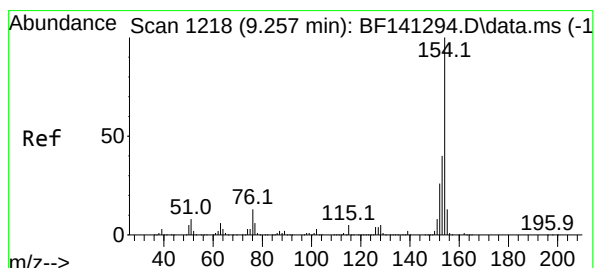
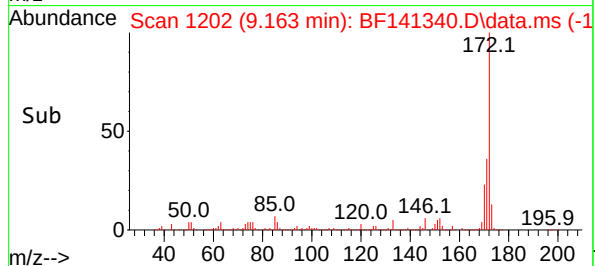
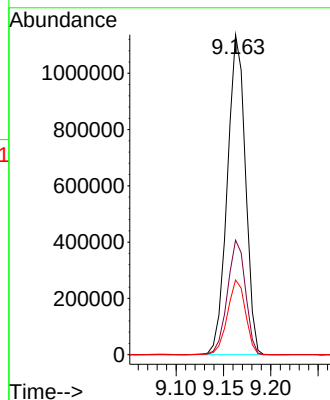
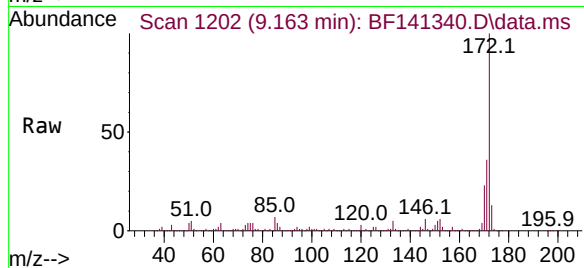
172 100

171 35.8 28.8 43.2

170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 47.606 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

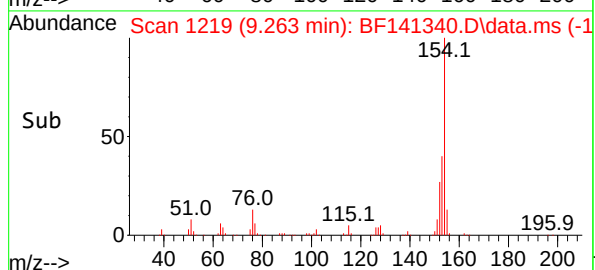
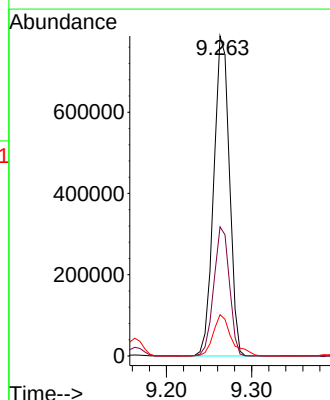
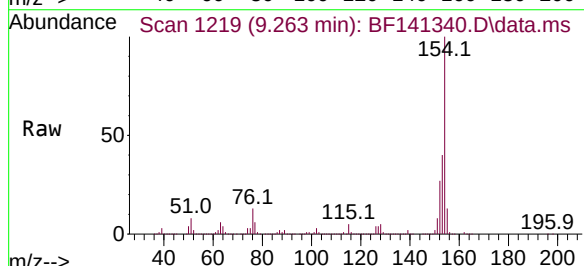
Tgt Ion:154 Resp: 1007225

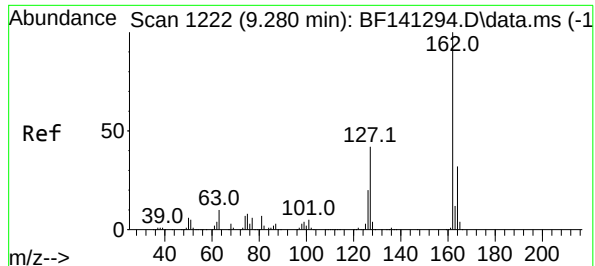
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 12.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 41.240 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:162 Resp: 680080

Ion Ratio Lower Upper

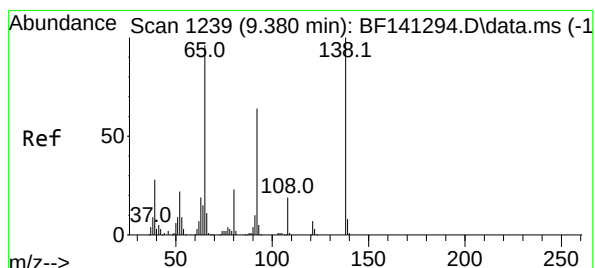
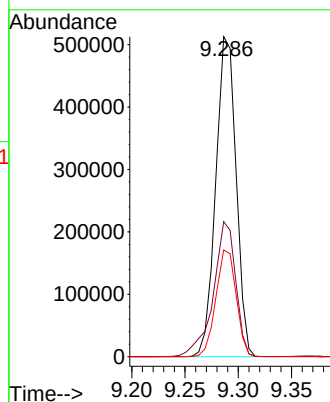
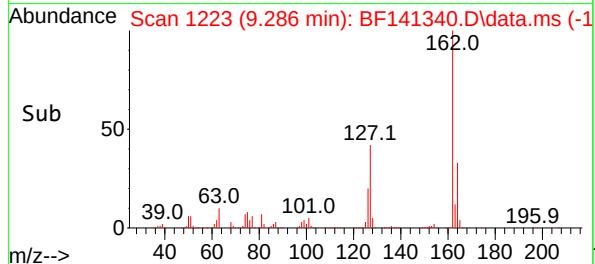
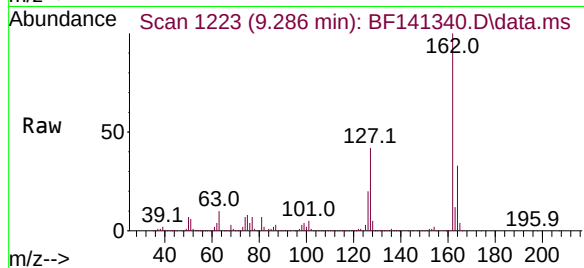
162 100

127 42.2 33.7 50.5

164 33.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 35.958 ng

RT: 9.392 min Scan# 1241

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

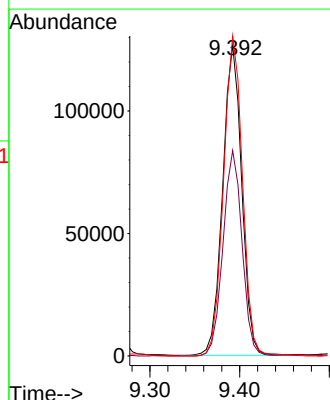
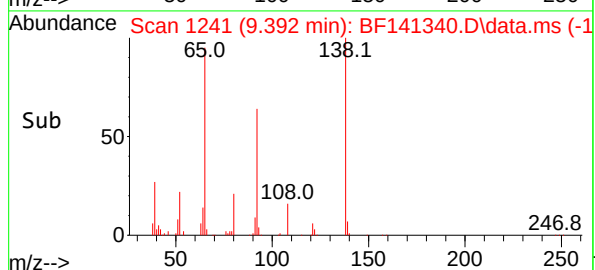
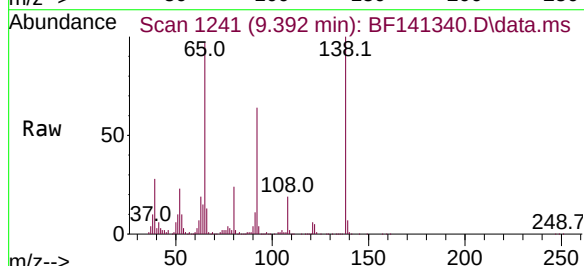
Tgt Ion: 65 Resp: 186519

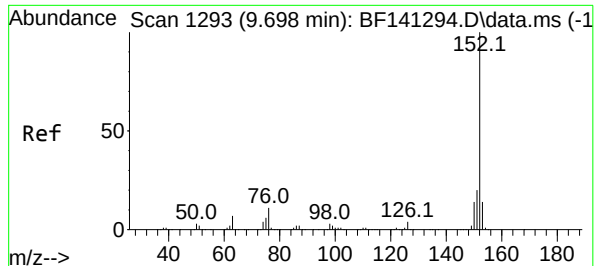
Ion Ratio Lower Upper

65 100

92 66.1 53.3 79.9

138 102.9 83.6 125.4





#49

Acenaphthylene

Concen: 39.699 ng

RT: 9.704 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:152 Resp: 91643

Ion Ratio Lower Upper

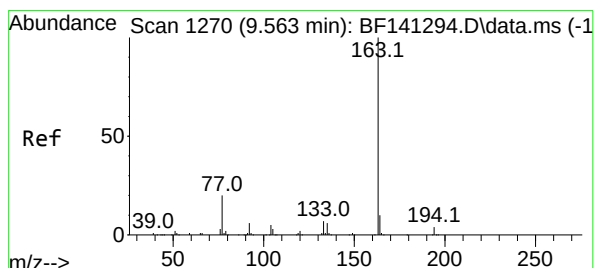
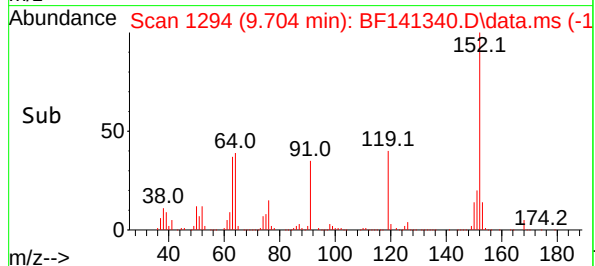
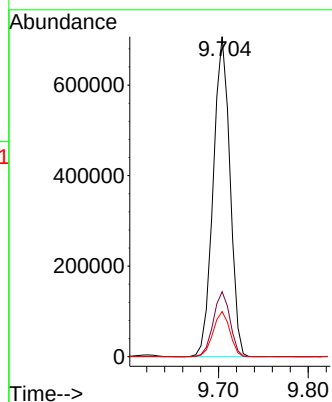
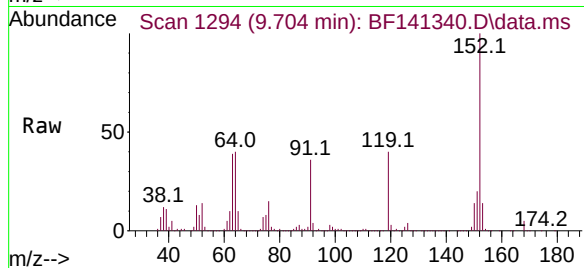
152 100

151 20.3 16.2 24.2

153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

Concen: 44.149 ng

RT: 9.580 min Scan# 1273

Delta R.T. 0.012 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

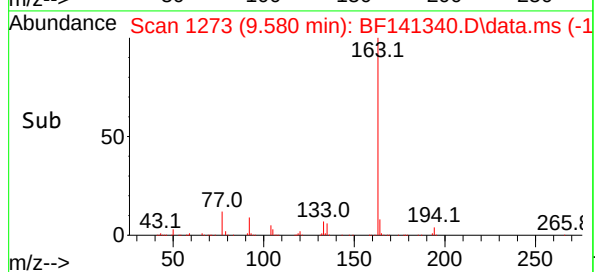
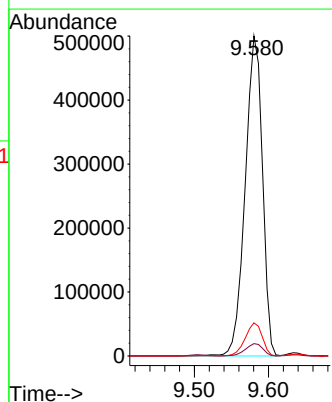
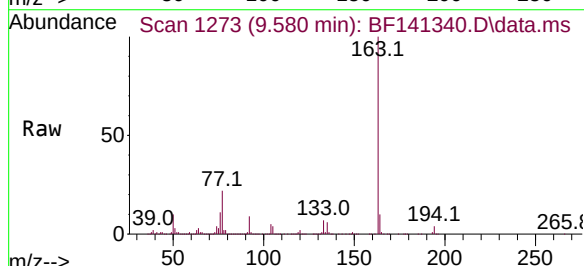
Tgt Ion:163 Resp: 808935

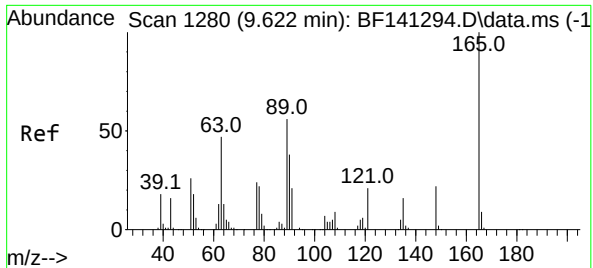
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

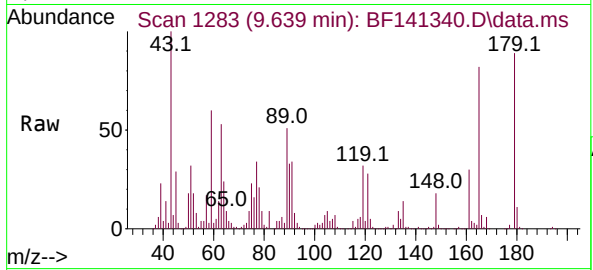
164 10.4 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 39.479 ng
RT: 9.639 min Scan# 1280
Delta R.T. 0.012 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

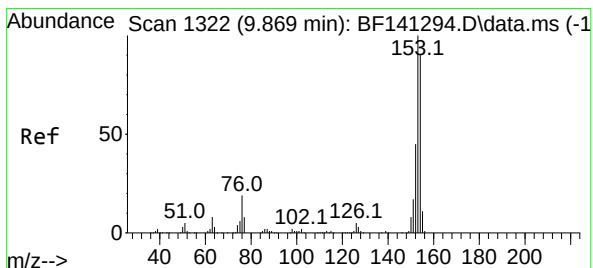
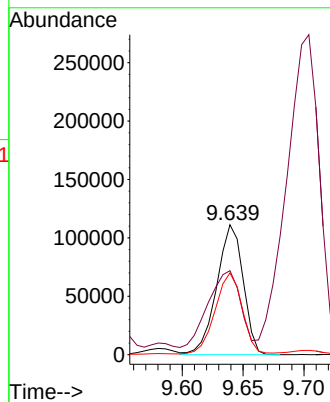
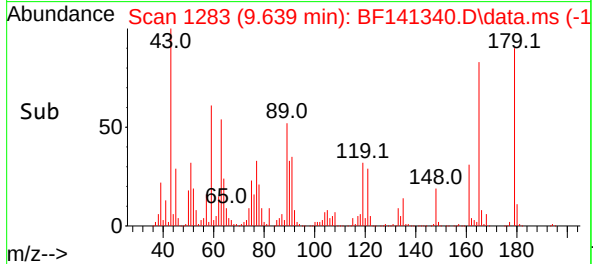
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:165 Resp: 167958
Ion Ratio Lower Upper
165 100
63 64.7 48.1 72.1
89 62.9 44.9 67.3

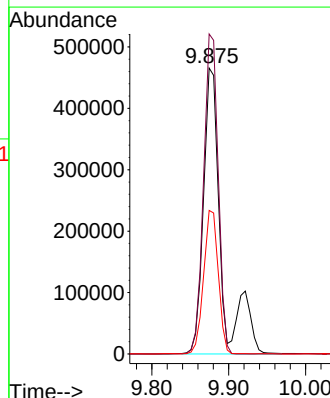
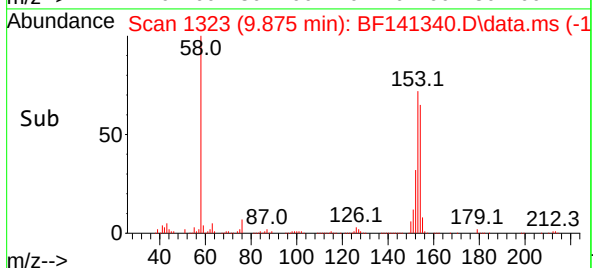
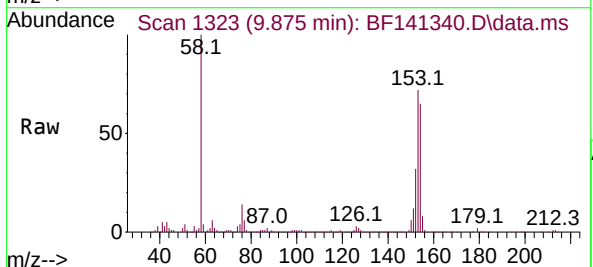
Manual Integrations
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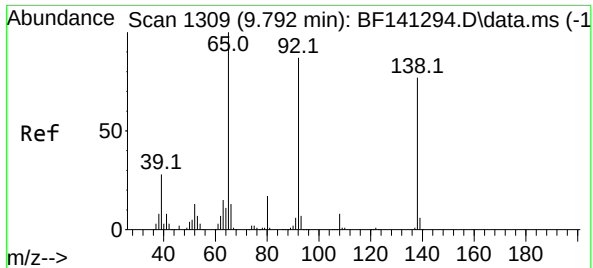
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 45.675 ng m
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

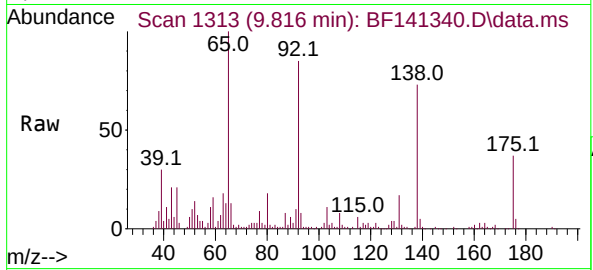
Tgt Ion:154 Resp: 753252
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.4
152 50.2 40.2 60.4





#53
3-Nitroaniline
Concen: 13.927 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

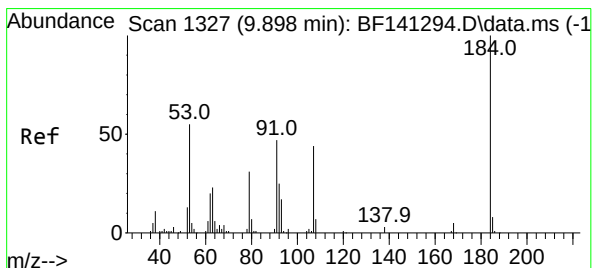
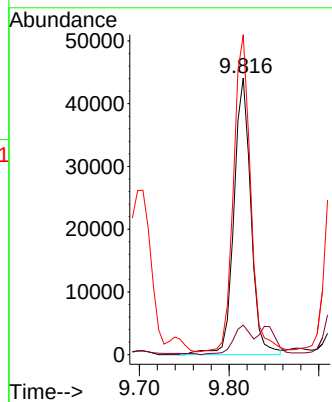
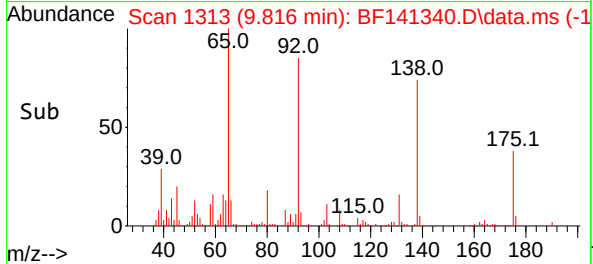
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:138 Resp: 5807
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.7 91.0 136.6

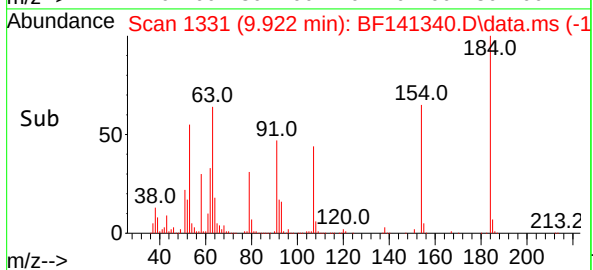
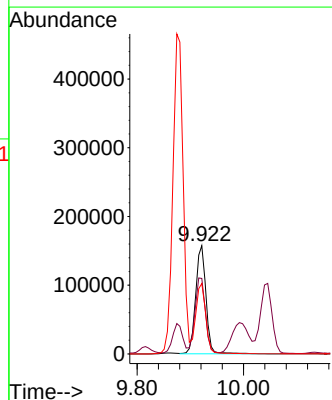
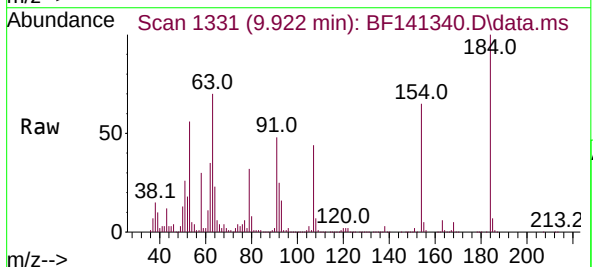
Manual Integrations
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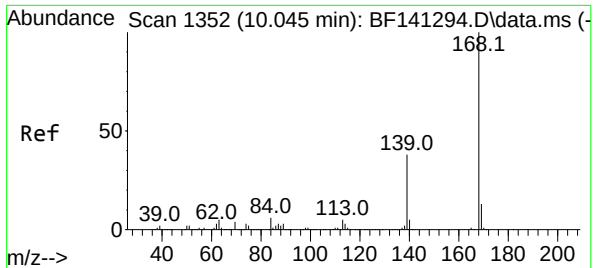
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 106.961 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.018 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

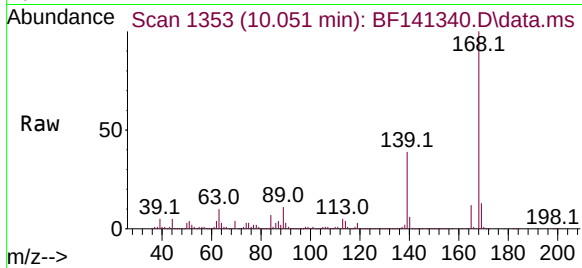
Tgt Ion:184 Resp: 211534
Ion Ratio Lower Upper
184 100
63 69.8 54.1 81.1
154 65.1 50.7 76.1





#55
Dibenzenofuran
Concen: 40.410 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

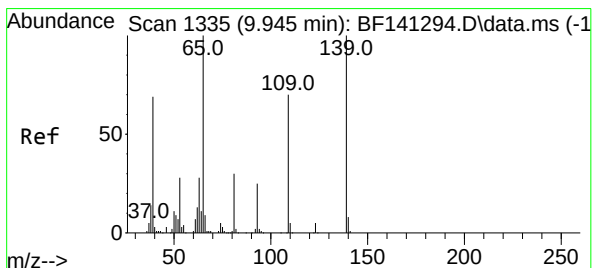
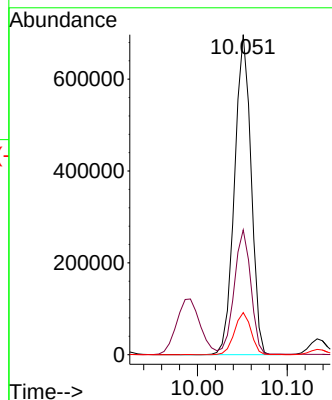
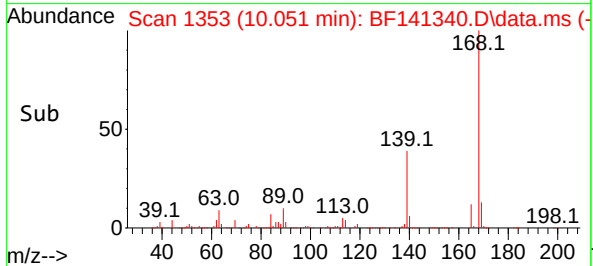
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:168 Resp: 892050
Ion Ratio Lower Upper
168 100
139 39.0 30.6 46.0
169 13.2 10.8 16.2

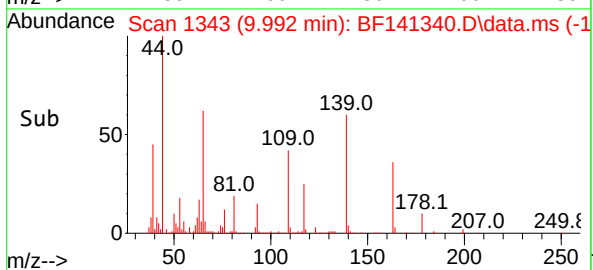
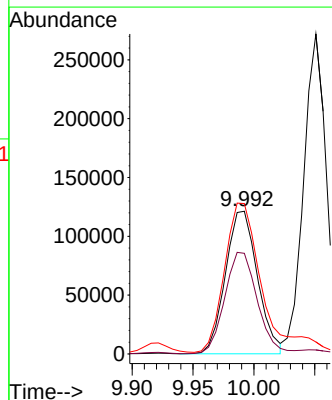
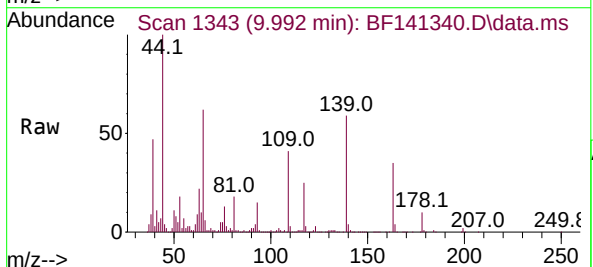
Manual Integrations
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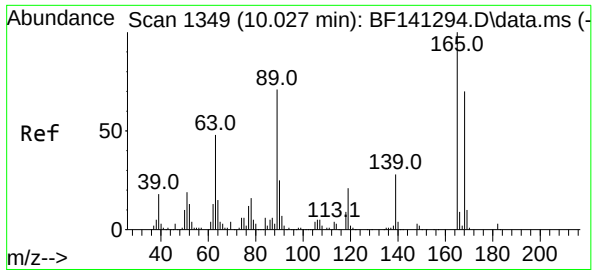
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#56
4-Nitrophenol
Concen: 72.869 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.035 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

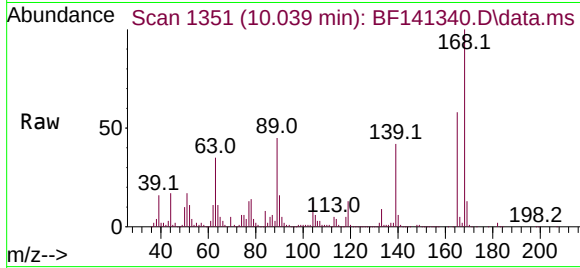
Tgt Ion:139 Resp: 222214
Ion Ratio Lower Upper
139 100
109 70.5 50.2 90.2
65 105.4 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 38.361 ng
RT: 10.039 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

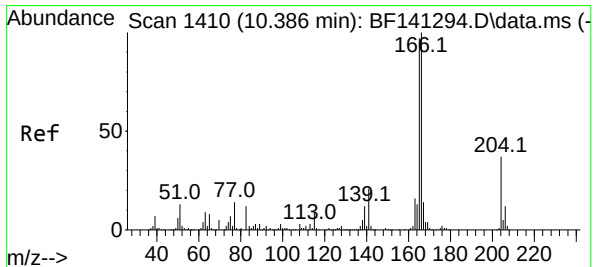
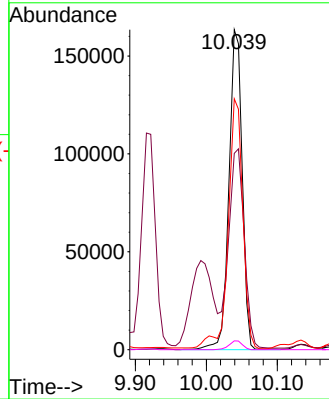
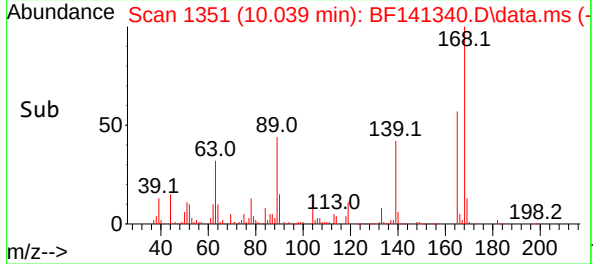
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:165 Resp: 21130
Ion Ratio Lower Upper
165 100
63 61.4 39.2 58.8
89 78.4 56.9 85.3
182 2.7 2.2 3.2

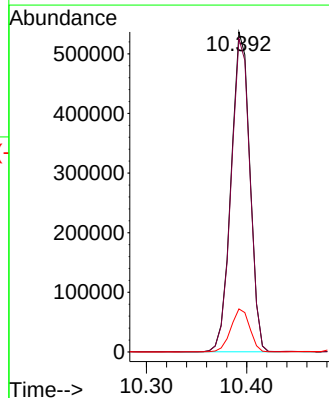
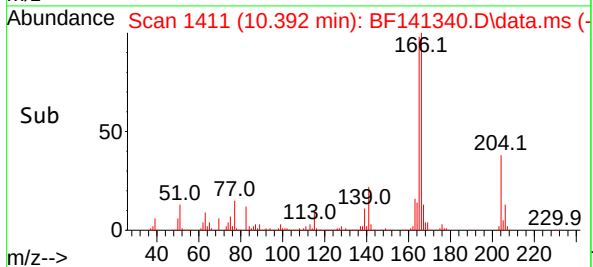
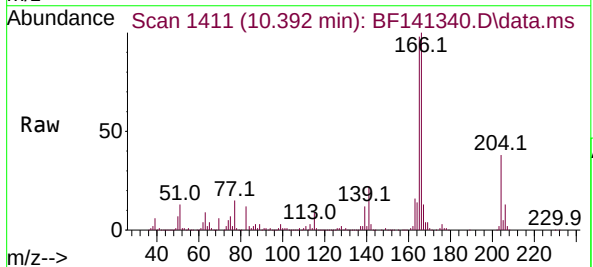
Manual Integrations
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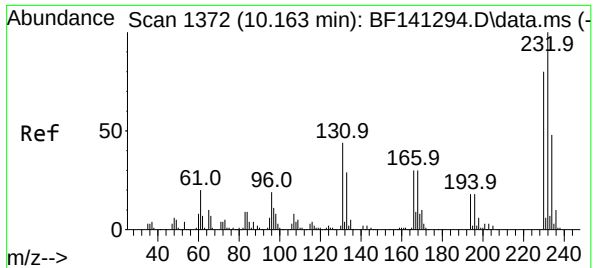
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 40.687 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

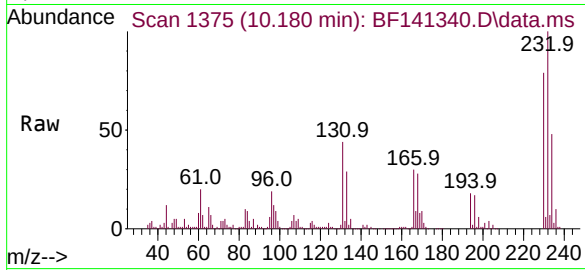
Tgt Ion:166 Resp: 696694
Ion Ratio Lower Upper
166 100
165 97.9 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.744 ng
RT: 10.180 min Scan# 1375
Delta R.T. 0.017 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

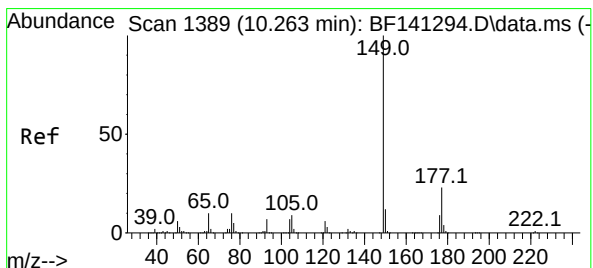
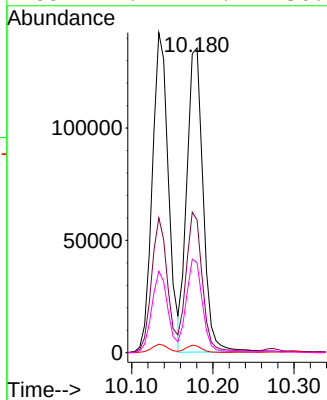
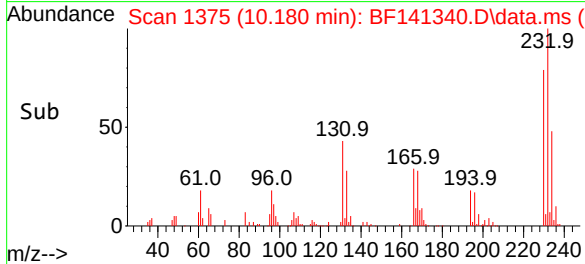
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



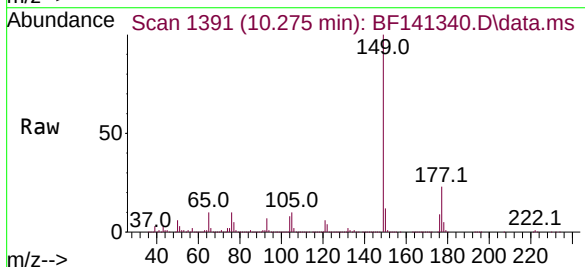
Tgt Ion:232 Resp: 189214
Ion Ratio Lower Upper
232 100
131 43.5 36.4 54.6
130 2.2 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
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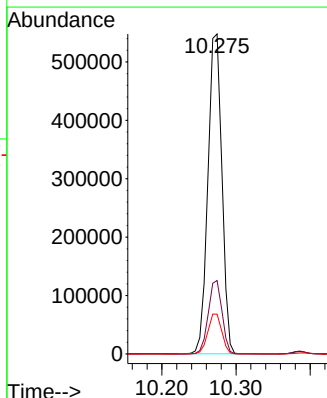
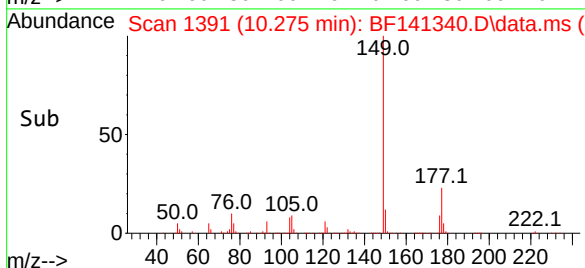
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

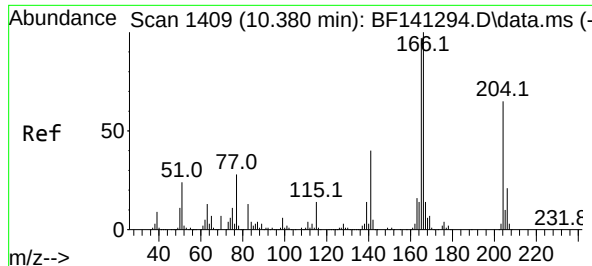


#60
Diethylphthalate
Concen: 40.427 ng
RT: 10.275 min Scan# 1391
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



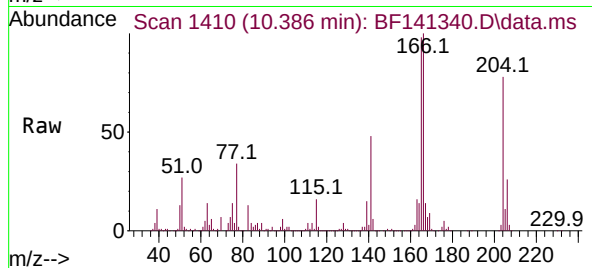
Tgt Ion:149 Resp: 718228
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 40.818 ng
RT: 10.386 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

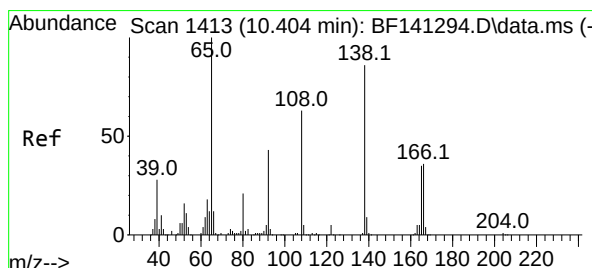
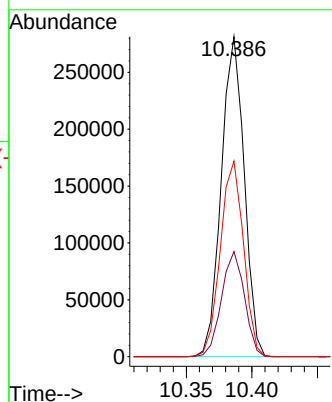
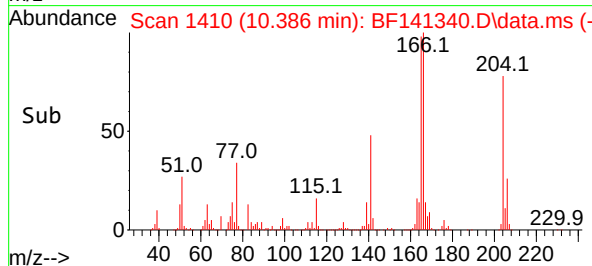
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:204 Resp: 341400
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 61.1 49.5 74.3

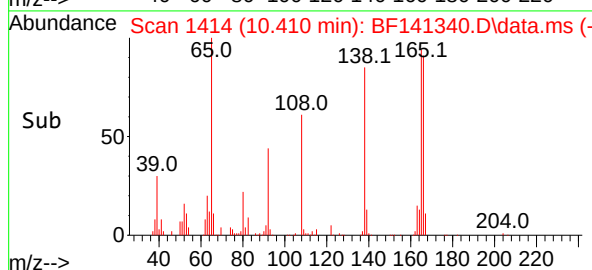
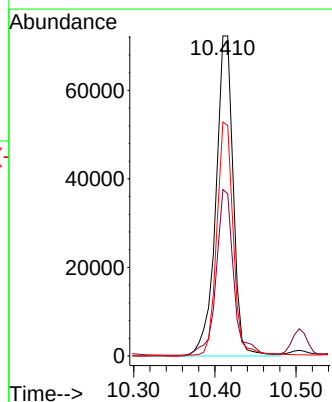
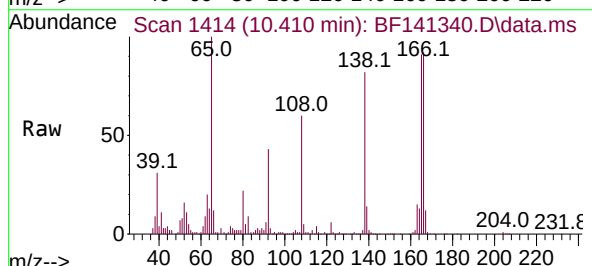
Manual Integrations
APPROVED

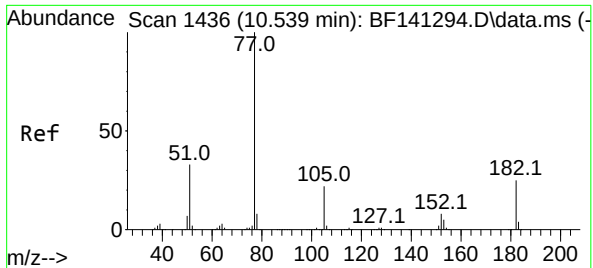
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#62
4-Nitroaniline
Concen: 26.373 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

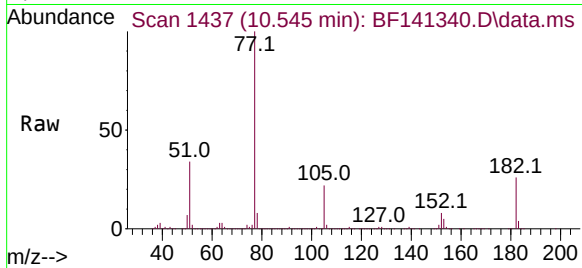
Tgt Ion:138 Resp: 108113
Ion Ratio Lower Upper
138 100
92 52.0 30.1 70.1
108 73.1 53.1 93.1





#63
Azobenzene
Concen: 40.778 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

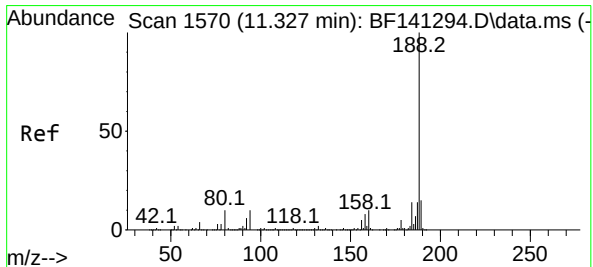
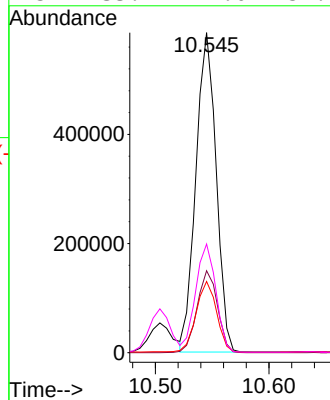
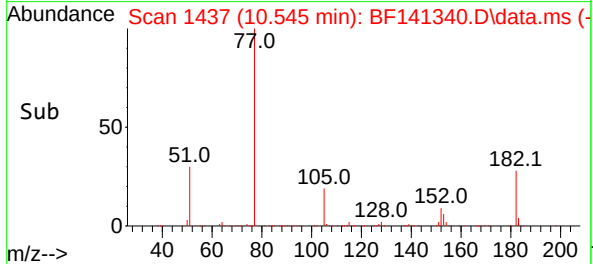
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion: 77 Resp: 725174
Ion Ratio Lower Upper
77 100
182 25.6 5.1 45.1
105 22.2 1.8 41.8
51 33.9 14.0 54.0

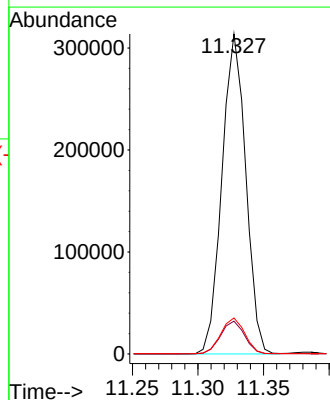
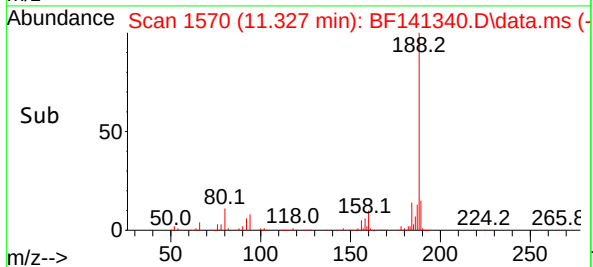
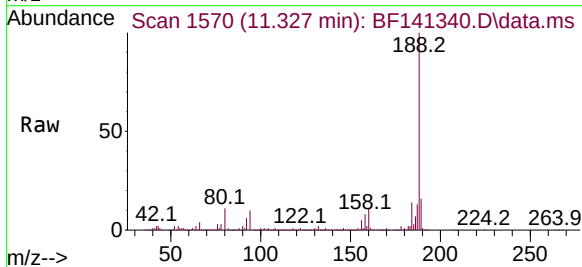
Manual Integrations
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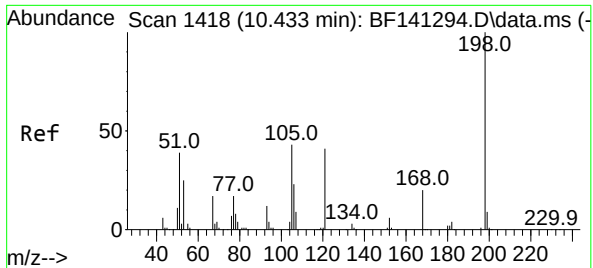
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:188 Resp: 395783
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 11.2 8.2 12.4





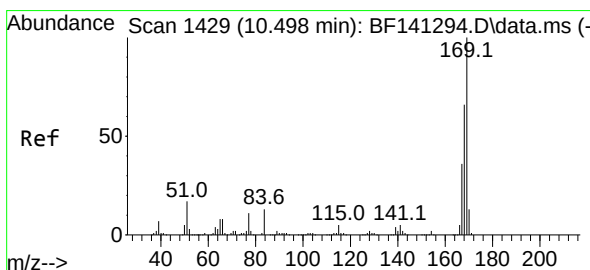
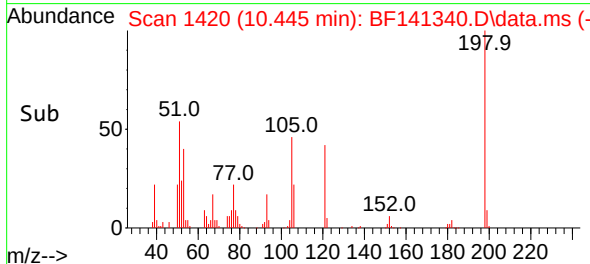
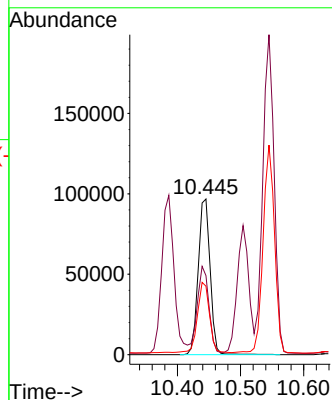
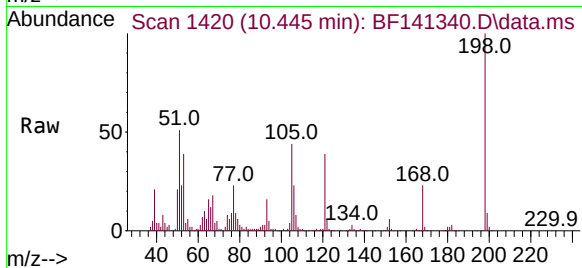
#65
4,6-Dinitro-2-methylphenol
Concen: 54.108 ng
RT: 10.445 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD

Tgt Ion:198 Resp: 126669
Ion Ratio Lower Upper
198 100
51 50.8 33.4 73.4
105 43.9 24.4 64.4

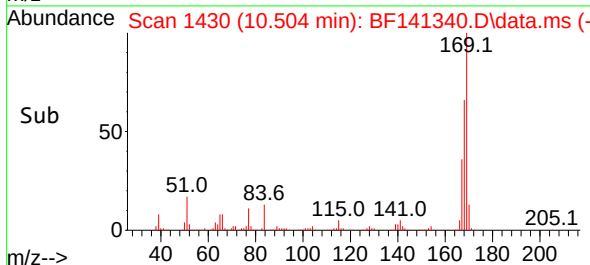
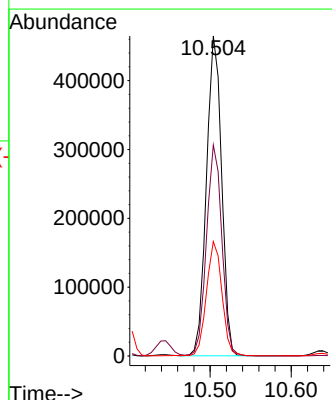
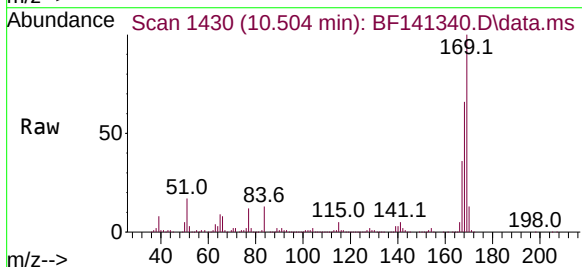
Manual Integrations
APPROVED

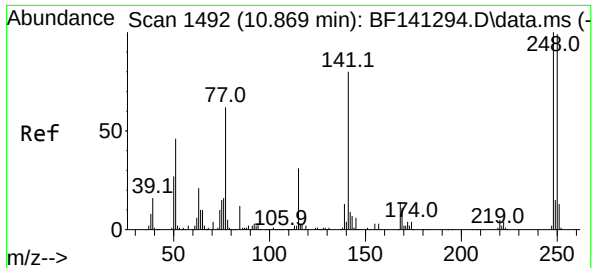
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 46.919 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

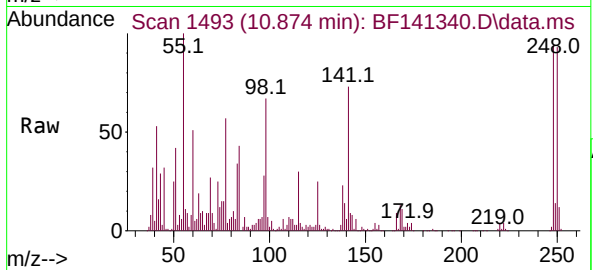
Tgt Ion:169 Resp: 600618
Ion Ratio Lower Upper
169 100
168 65.9 53.0 79.4
167 35.8 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 43.730 ng
RT: 10.874 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

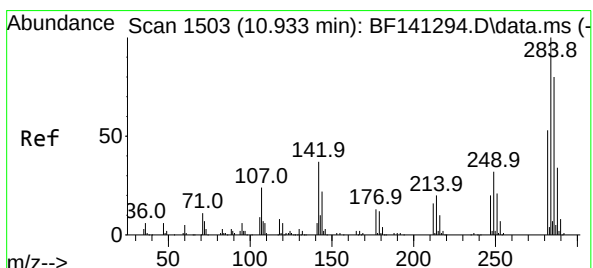
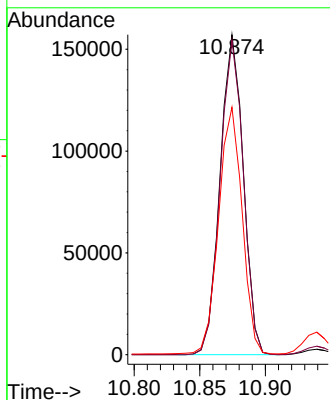
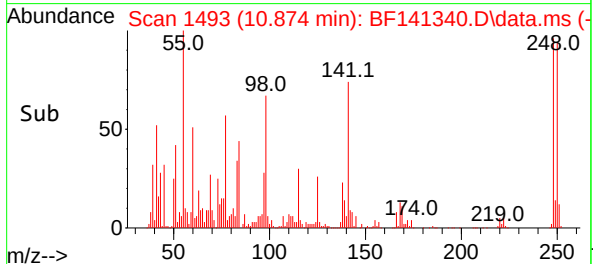
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



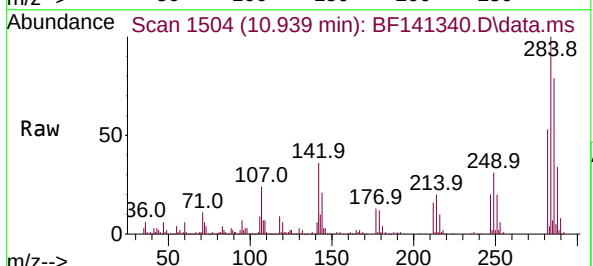
Tgt Ion:248 Resp: 193762
Ion Ratio Lower Upper
248 100
250 98.2 79.0 118.4
141 77.3 63.7 95.5

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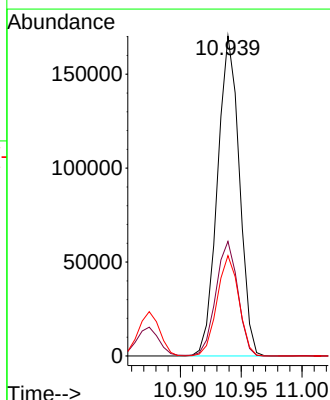
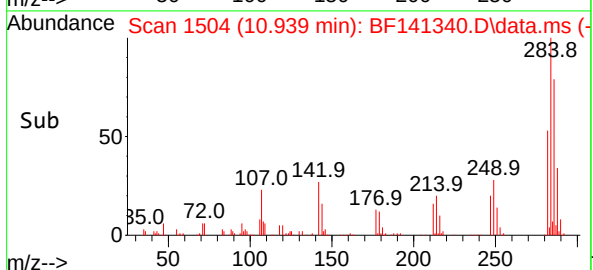
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

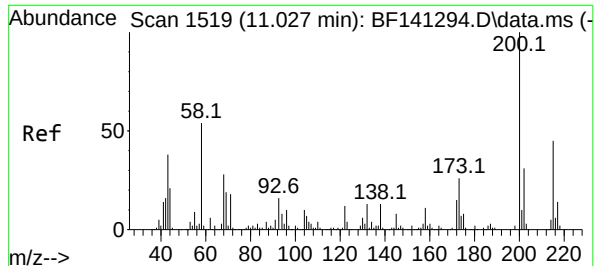


#68
Hexachlorobenzene
Concen: 45.303 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:284 Resp: 212929
Ion Ratio Lower Upper
284 100
142 35.8 29.5 44.3
249 31.3 25.4 38.2





#69

Atrazine

Concen: 32.088 ng

RT: 11.039 min Scan# 1521

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:200 Resp: 137330

Ion Ratio Lower Upper

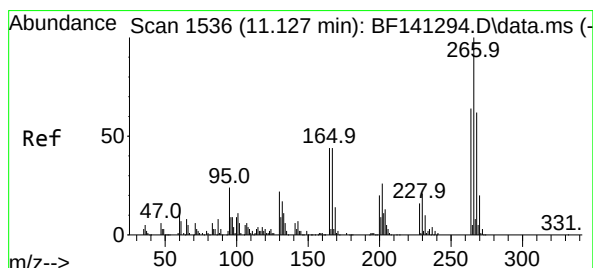
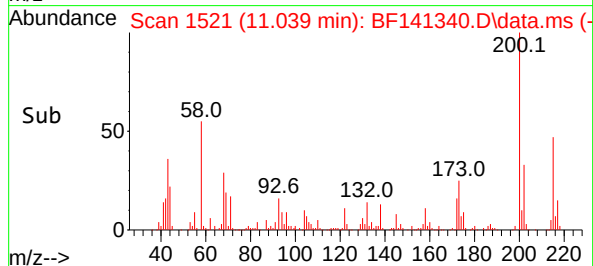
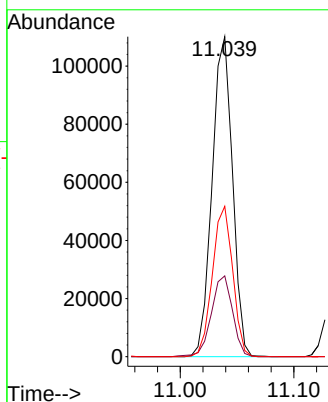
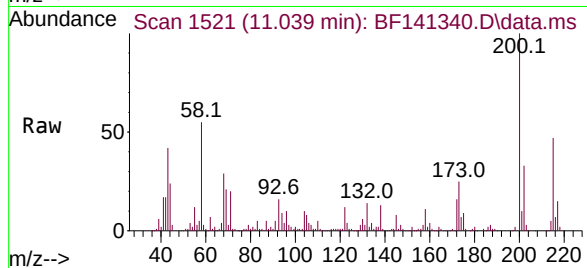
200 100

173 25.2 5.9 45.9

215 47.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 94.198 ng

RT: 11.139 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

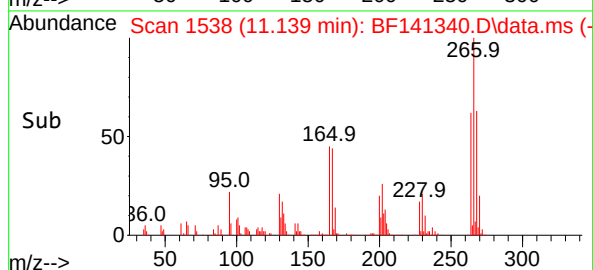
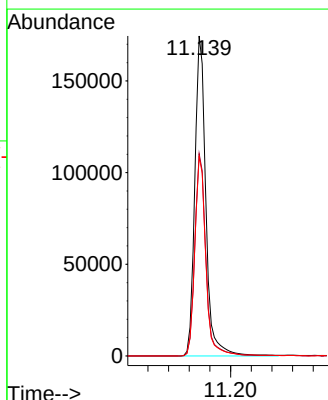
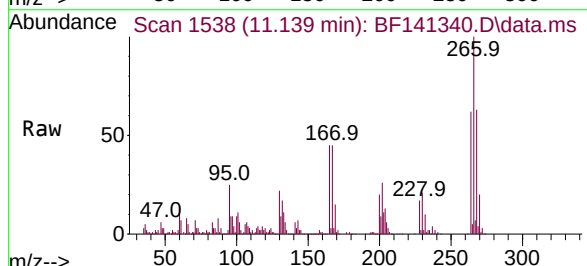
Tgt Ion:266 Resp: 259262

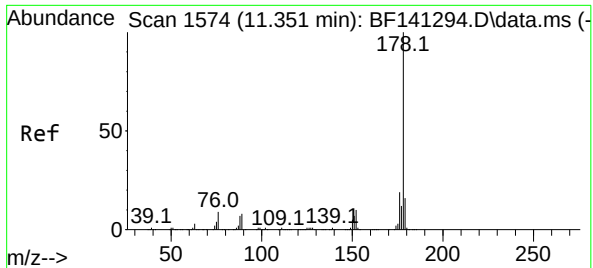
Ion Ratio Lower Upper

266 100

268 63.2 49.9 74.9

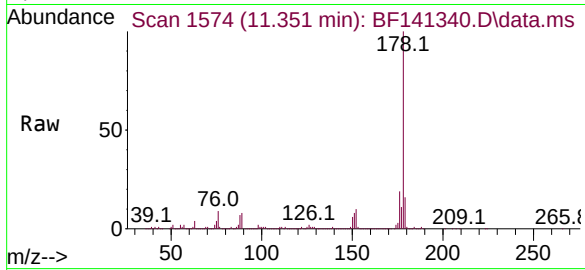
264 62.4 51.0 76.4





#71
Phenanthrene
Concen: 43.712 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

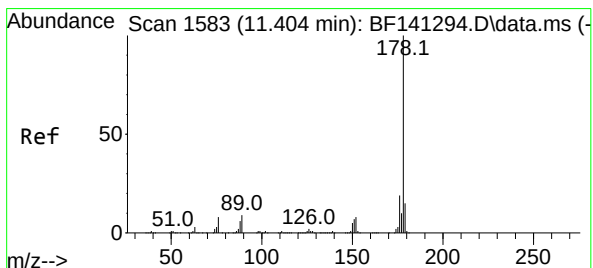
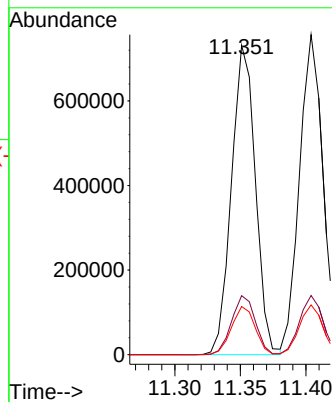
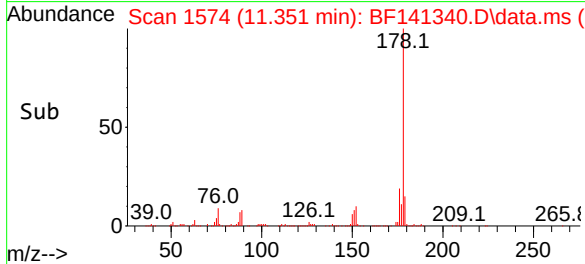
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:178 Resp: 92997
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

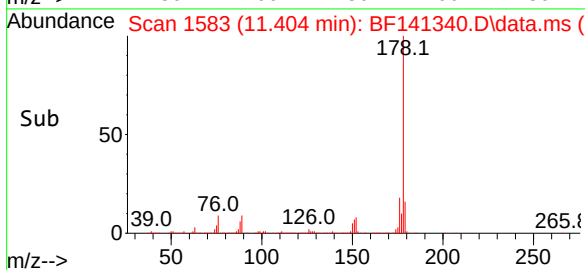
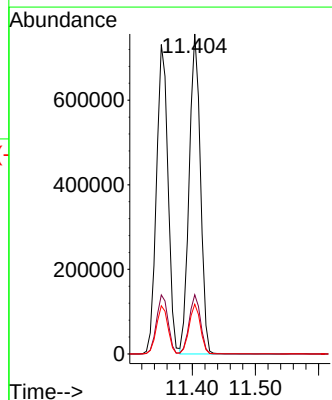
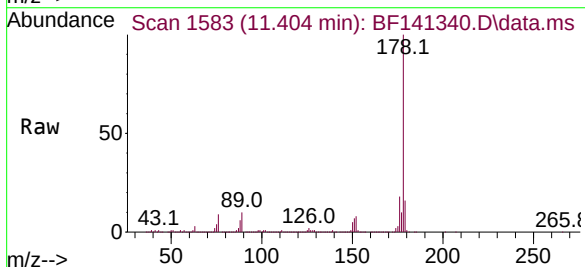
Manual Integrations
APPROVED

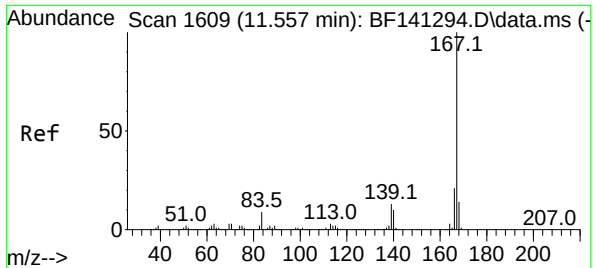
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 44.922 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

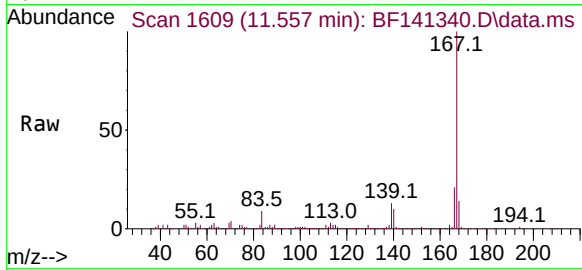
Tgt Ion:178 Resp: 936429
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.6 12.3 18.5





#73
 Carbazole
 Concen: 39.076 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF141340.D
 Acq: 31 Jan 2025 19:11

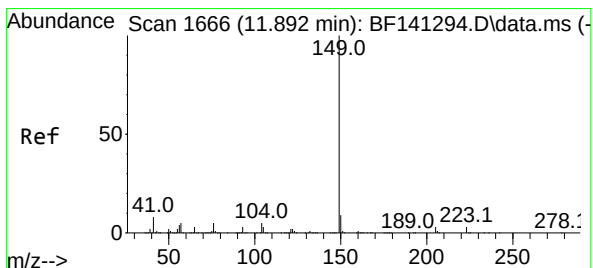
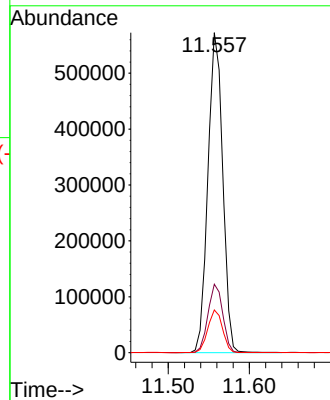
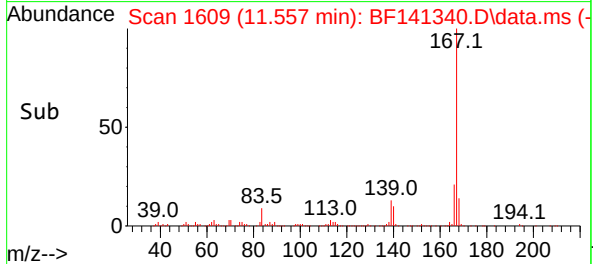
Instrument :
 BNA_F
 ClientSampleId :
 BELL-25-002MSD



Tgt Ion:167 Resp: 722300
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 13.4 10.6 16.0

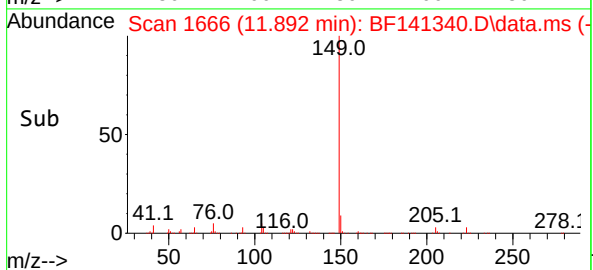
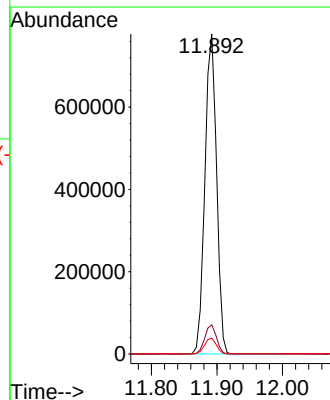
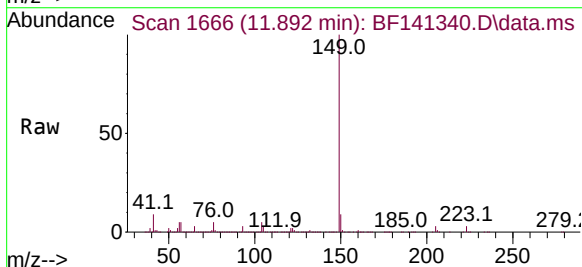
Manual Integrations
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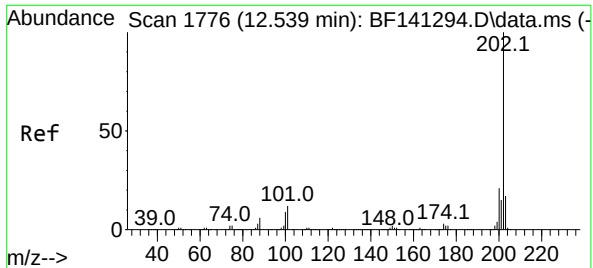
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#74
 Di-n-butylphthalate
 Concen: 42.948 ng
 RT: 11.892 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF141340.D
 Acq: 31 Jan 2025 19:11

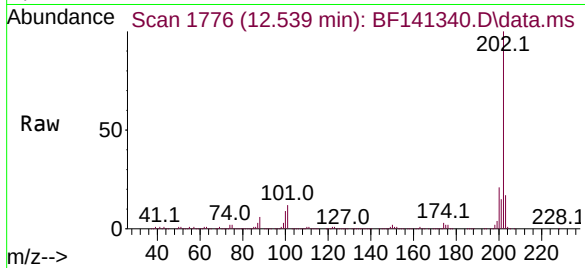
Tgt Ion:149 Resp: 962080
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 39.883 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

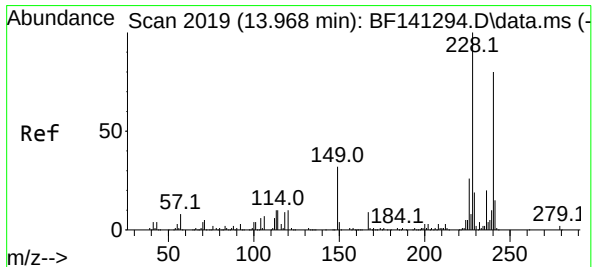
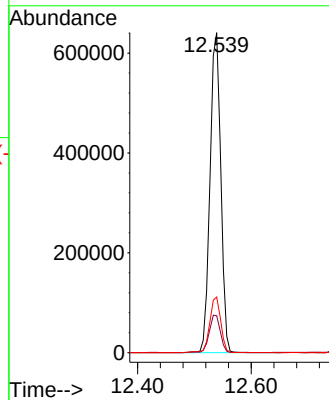
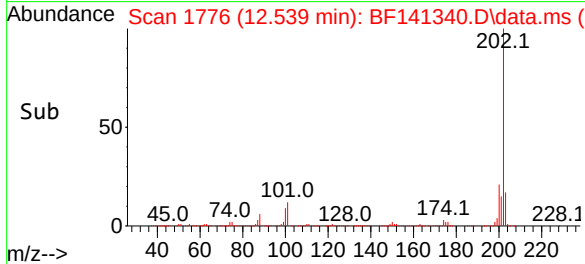
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



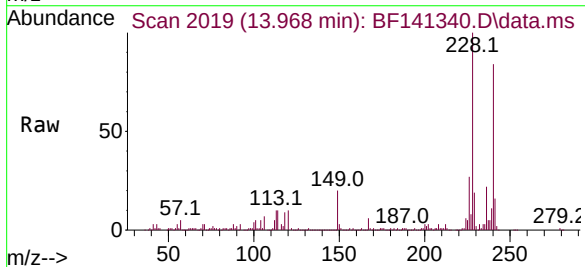
Tgt Ion:202 Resp: 83780
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.4 0.0 37.5

Manual Integrations
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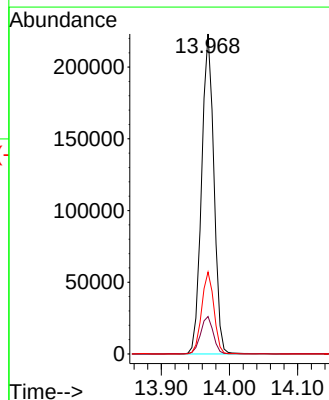
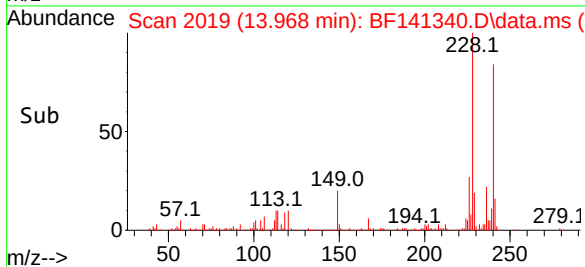
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

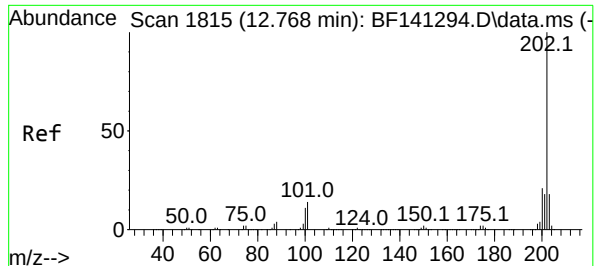


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11



Tgt Ion:240 Resp: 279691
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.6 19.7 29.5





#78

Pyrene

Concen: 31.437 ng

RT: 12.768 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:202 Resp: 84401

Ion Ratio Lower Upper

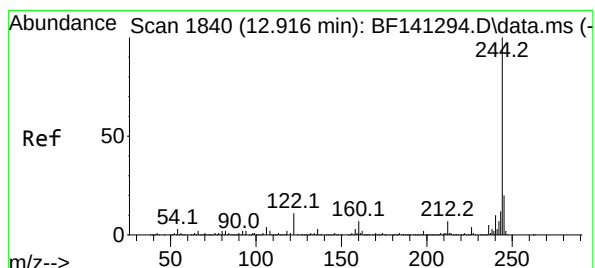
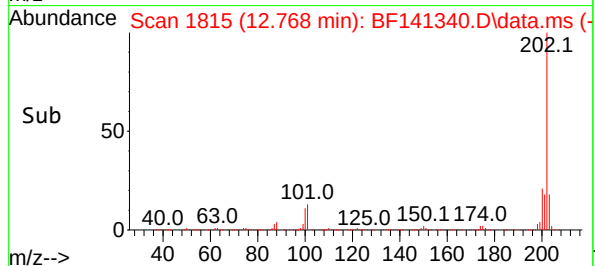
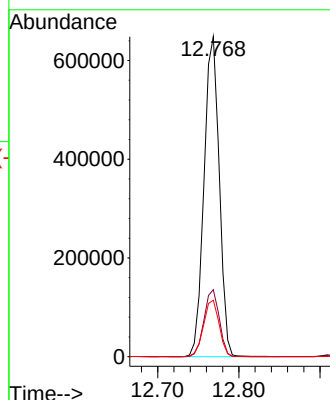
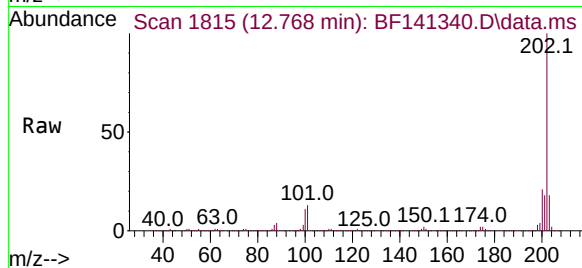
202 100

200 21.0 17.0 25.4

203 17.7 14.3 21.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#79

Terphenyl-d14

Concen: 68.245 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

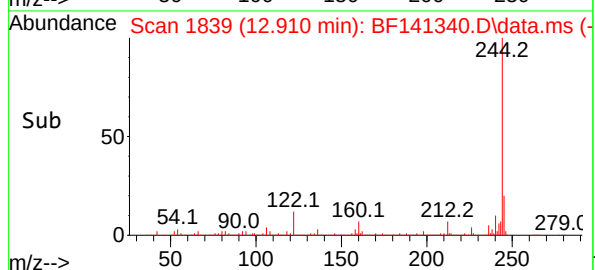
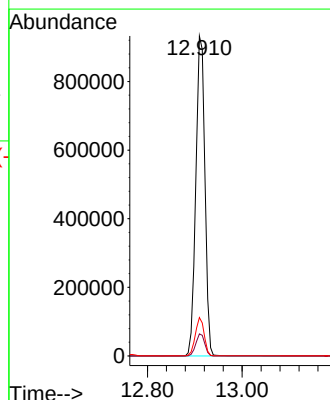
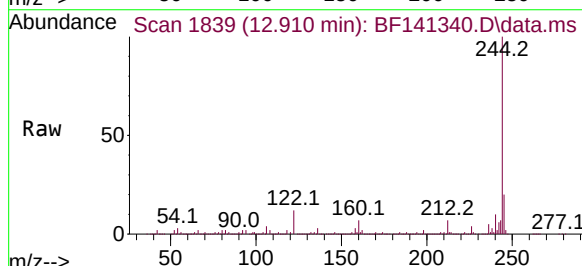
Tgt Ion:244 Resp: 1237686

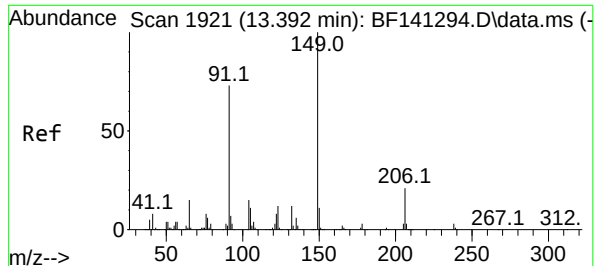
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 12.0 8.8 13.2





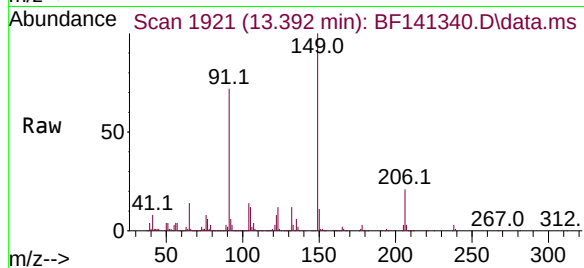
#80
Butylbenzylphthalate
Concen: 37.995 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

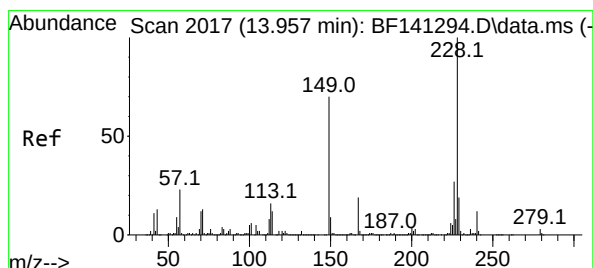
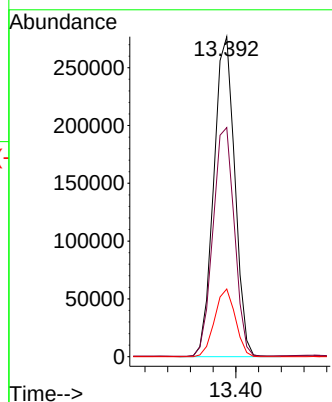
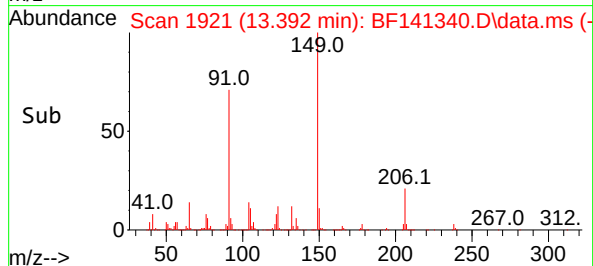
BELL-25-002MSD



Tgt Ion:149 Resp: 35637
Ion Ratio Lower Upper
149 100
91 71.6 58.6 87.8
206 21.2 16.7 25.1

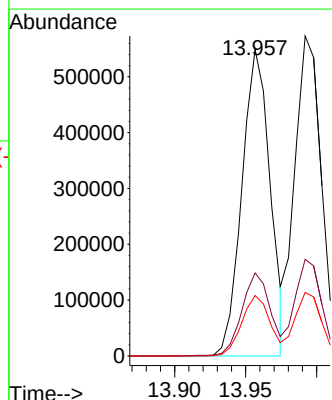
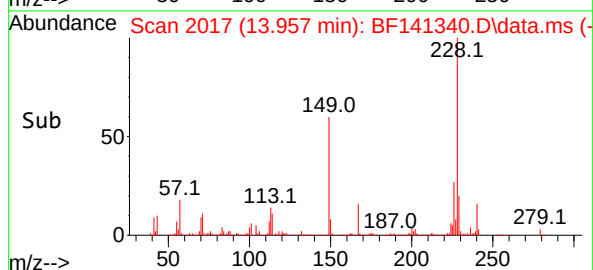
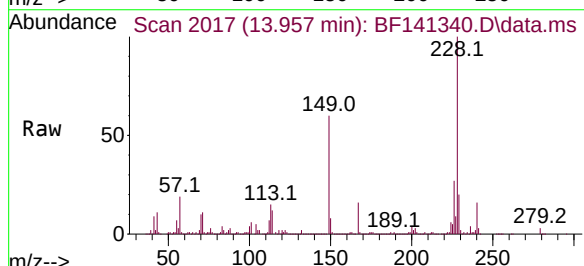
Manual Integrations
APPROVED

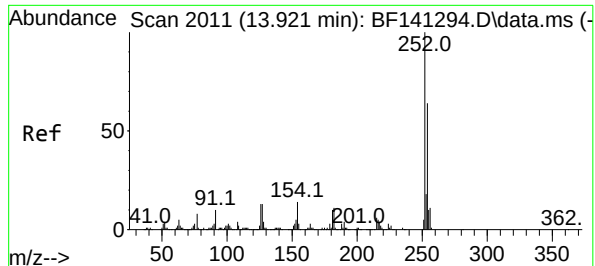
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#81
Benzo(a)anthracene
Concen: 39.218 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:228 Resp: 756912
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.7 15.5 23.3





#82

3,3'-Dichlorobenzidine

Concen: 15.050 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:252 Resp: 9238

Ion Ratio Lower Upper

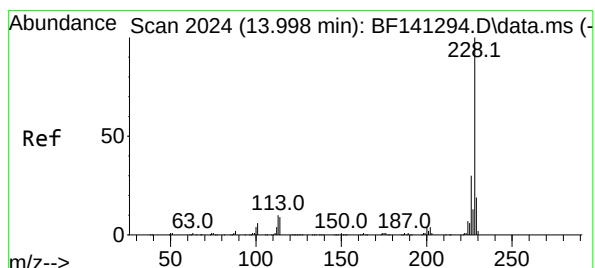
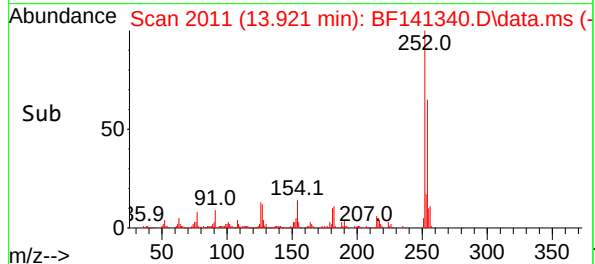
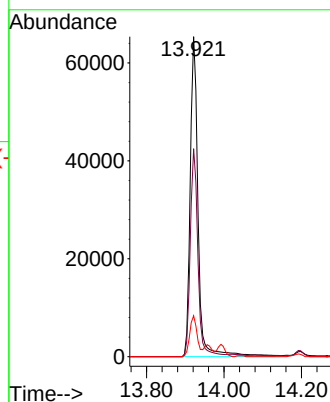
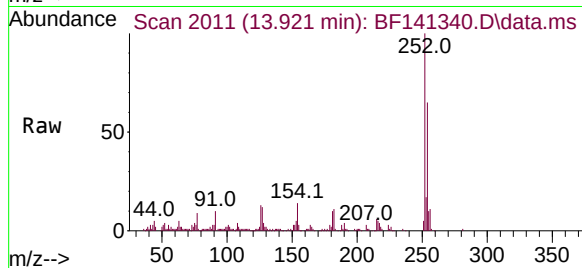
252 100

254 65.0 51.3 76.9

126 12.8 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#83

Chrysene

Concen: 42.095 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

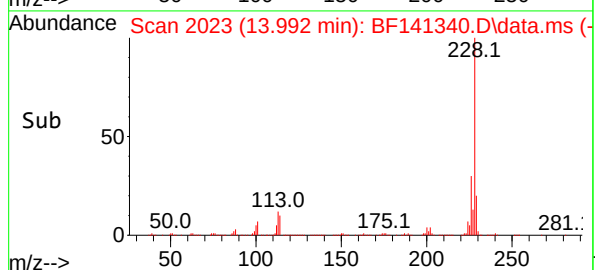
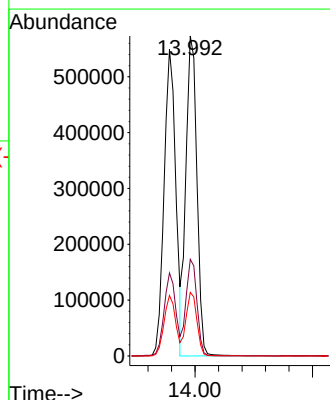
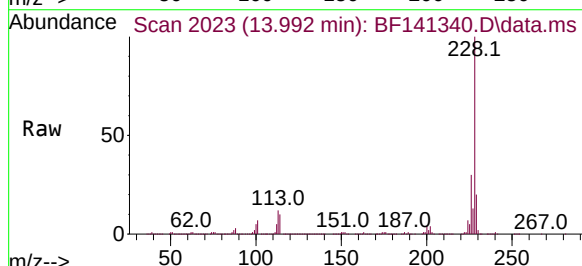
Tgt Ion:228 Resp: 744577

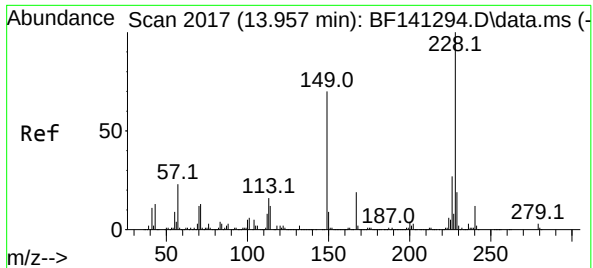
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

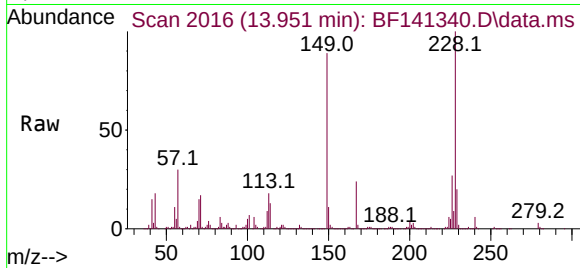
229 19.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 40.723 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

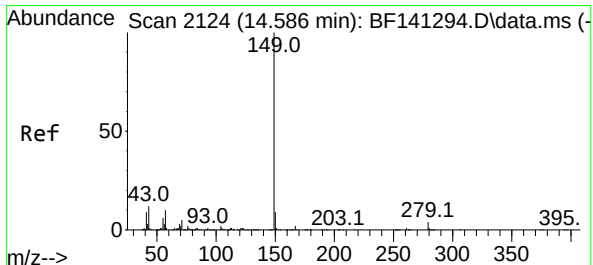
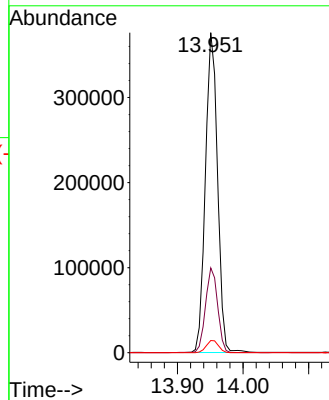
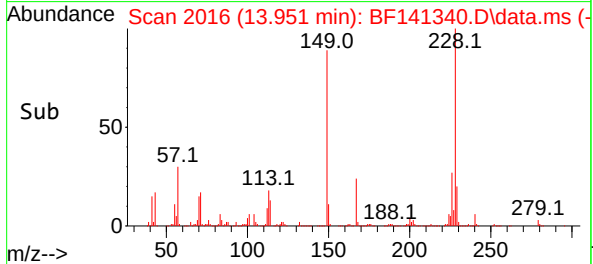
Instrument :
BNA_F
ClientSampleId :
BELL-25-002MSD



Tgt Ion:149 Resp: 484530
Ion Ratio Lower Upper
149 100
167 26.5 21.8 32.8
279 3.8 3.3 4.9

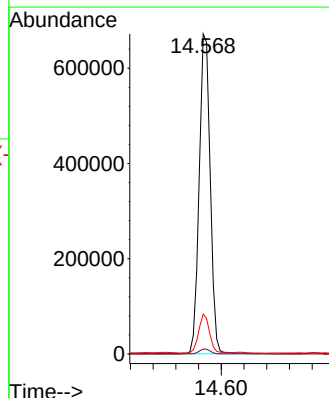
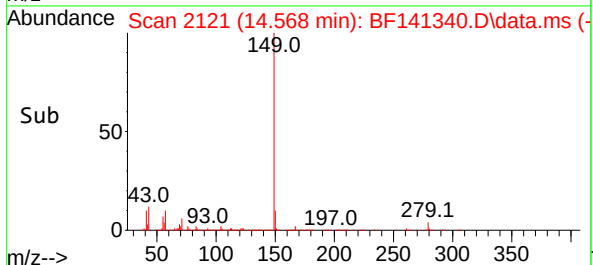
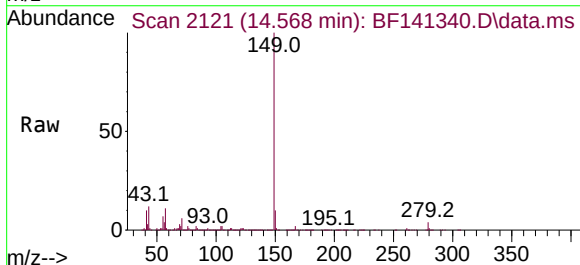
Manual Integrations
APPROVED

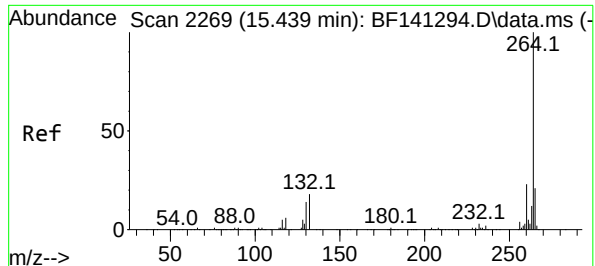
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#85
Di-n-octyl phthalate
Concen: 49.152 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141340.D
Acq: 31 Jan 2025 19:11

Tgt Ion:149 Resp: 908345
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:264 Resp: 31276

Ion Ratio Lower Upper

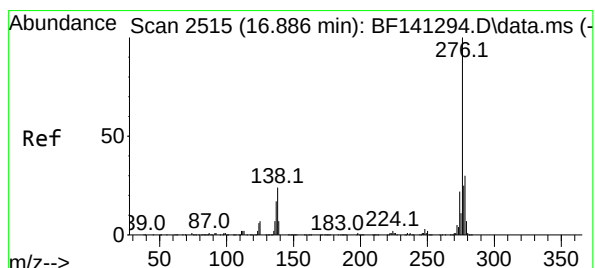
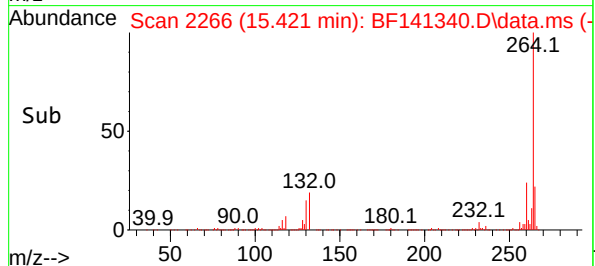
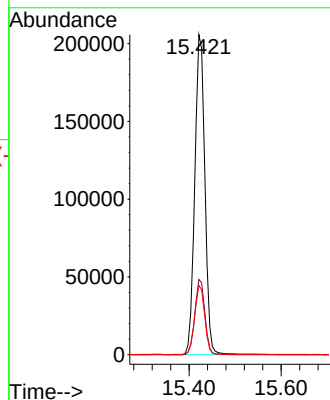
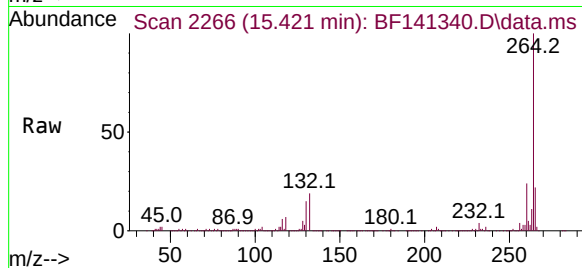
264 100

260 23.5 18.6 27.8

265 21.7 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#87

Indeno(1,2,3-cd)pyrene

Concen: 38.276 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.024 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

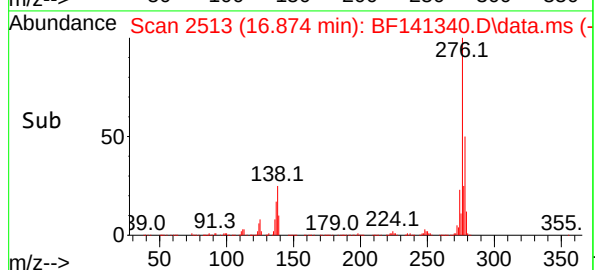
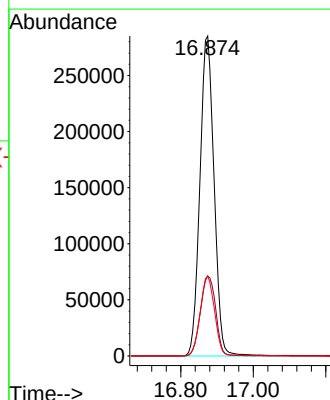
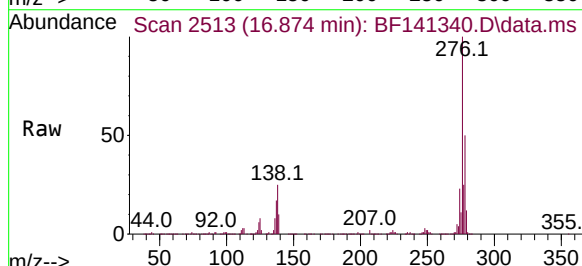
Tgt Ion:276 Resp: 772651

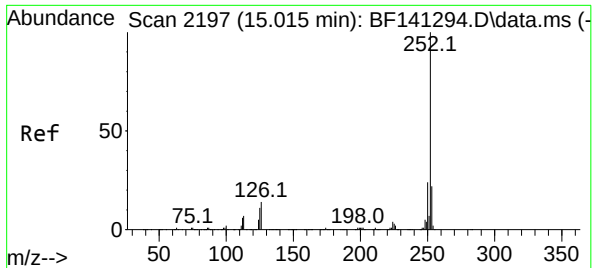
Ion Ratio Lower Upper

276 100

138 26.9 21.7 32.5

277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 46.793 ng

RT: 15.004 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:252 Resp: 92058

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

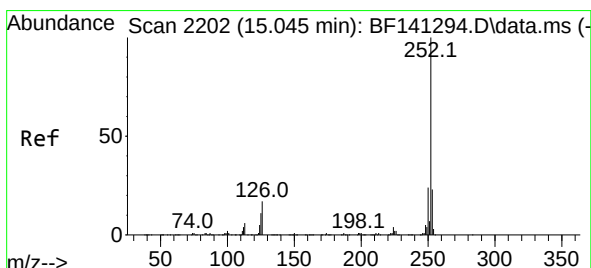
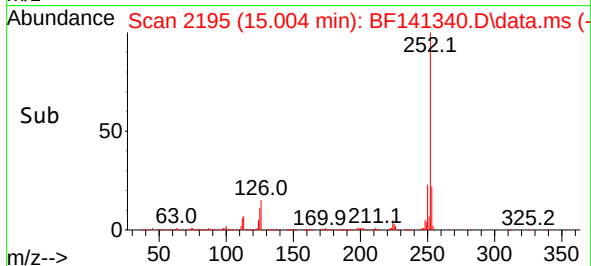
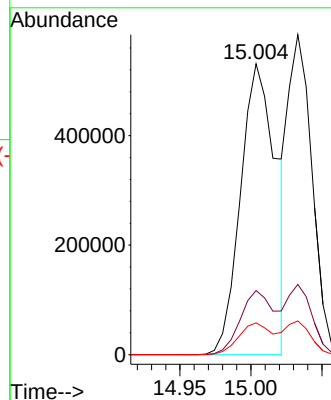
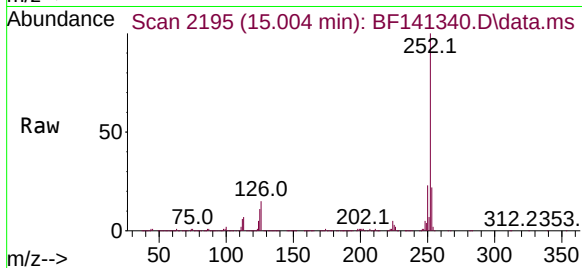
125 11.0 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#89

Benzo(k)fluoranthene

Concen: 39.853 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

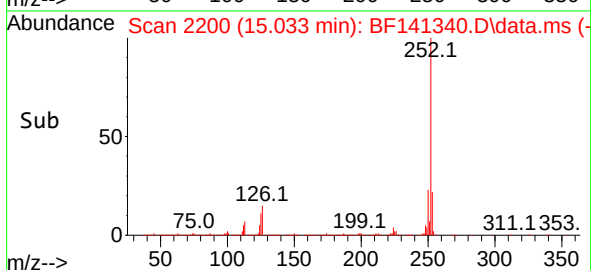
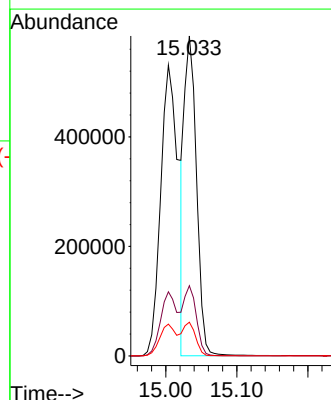
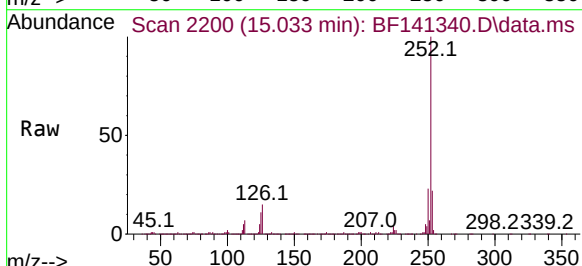
Tgt Ion:252 Resp: 694577

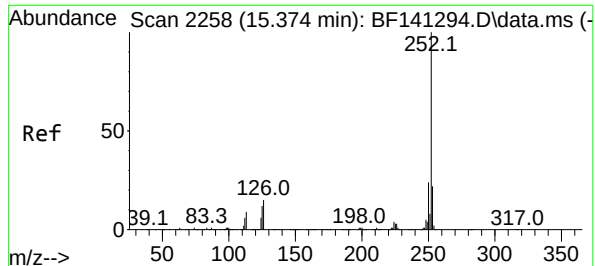
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 45.348 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:252 Resp: 75391

Ion Ratio Lower Upper

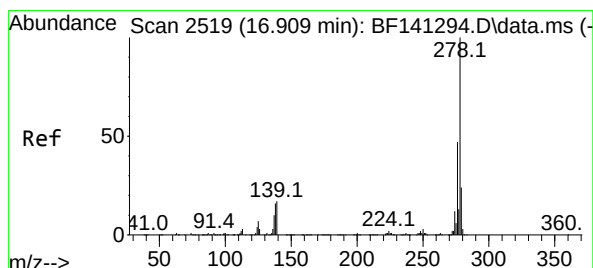
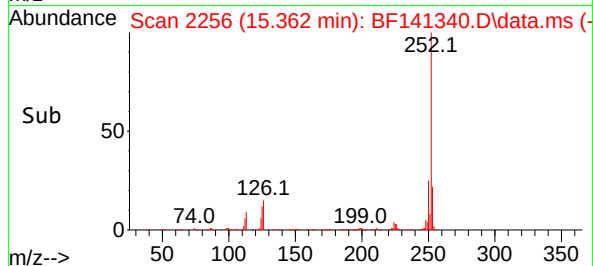
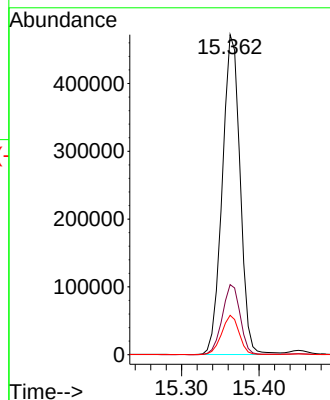
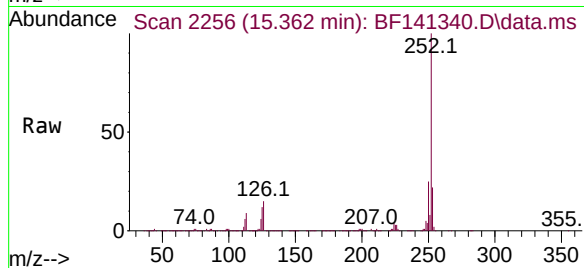
252 100

253 21.9 17.2 25.8

125 12.3 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#91

Dibenzo(a,h)anthracene

Concen: 38.631 ng

RT: 16.892 min Scan# 2516

Delta R.T. -0.030 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

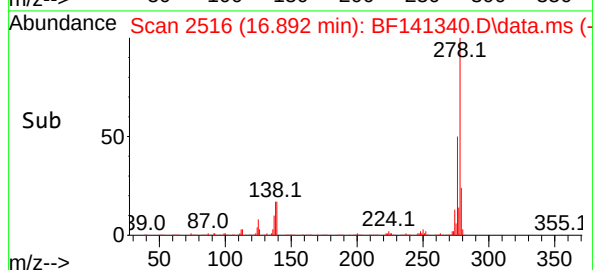
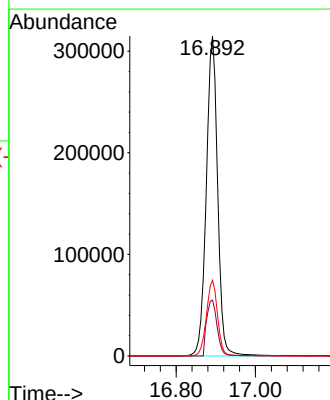
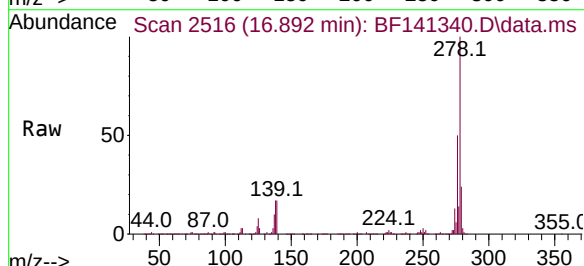
Tgt Ion:278 Resp: 627391

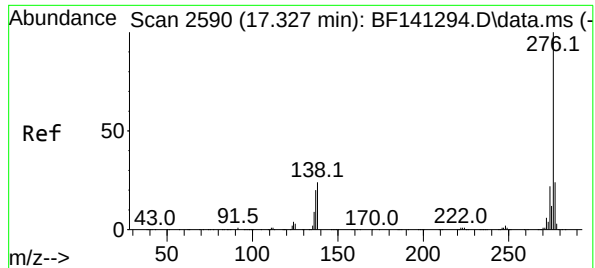
Ion Ratio Lower Upper

278 100

139 17.4 13.9 20.9

279 23.6 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 33.950 ng

RT: 17.309 min Scan# 2587

Delta R.T. -0.035 min

Lab File: BF141340.D

Acq: 31 Jan 2025 19:11

Instrument :

BNA_F

ClientSampleId :

BELL-25-002MSD

Tgt Ion:276 Resp: 573319

Ion Ratio Lower Upper

276 100

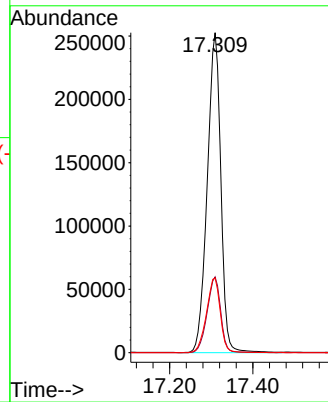
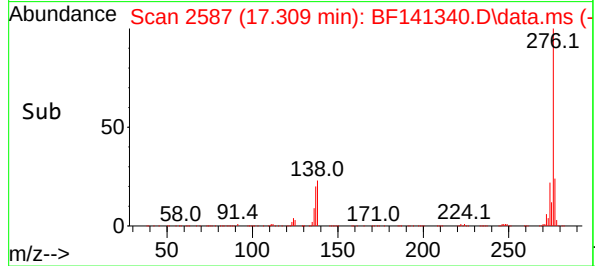
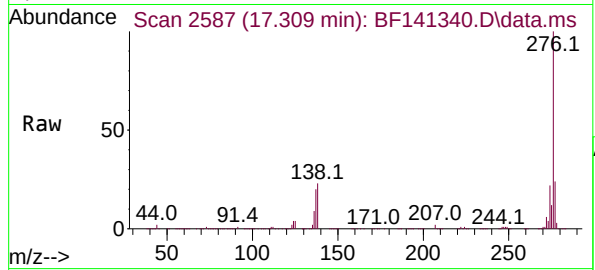
277 23.7 19.2 28.8

138 23.4 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



Manual Integration Report

Sequence:

BF012925

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF013125

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	1,4-Dioxane	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	Acenaphthene	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MS	BF141339.D	Benzoic acid	Jagrut	2/3/2025 3:35:01 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	1,4-Dioxane	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	Acenaphthene	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1218-02MSD	BF141340.D	Benzoic acid	Jagrut	2/3/2025 3:35:05 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

bf020325

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 2:00:52 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 2:00:52 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf020425

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166426BS	BF141407.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:16 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166426BS	BF141407.D	Acenaphthene	yogesh	2/5/2025 9:09:16 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
PB166426BS	BF141407.D	Caprolactam	yogesh	2/5/2025 9:09:16 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12649,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 2:00:52 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 2:00:52 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM
SubDirectory	BF012925	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 2:00:52 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 2:00:52 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 2:00:52 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-5.1.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-1 / T-2
TCLP Filter ID : 114771

Start Prep Date : 01/30/2025 Time : 14:00
End Prep Date : 01/31/2025 Time : 07:15
Combination Ratio : 20
ZHE Cleaning Batch : N/A
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : *18*
Supervisor By : *12*

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	WP110801
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. p1235-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25 09:45	<i>JP</i> / TCLP Room	<i>SLG.</i> & <i>TEL</i>
	Preparation Group	Analysis Group <i>laet n'y</i>

TCLP EXTRACTION LOGPAGE

PB166356

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
PB166356TB	LEB356	N/A	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q1215-04	JPP-29.1-012825	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q1215-08	JPP-29.2-012825	02	100.03	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1216-04	JPP-18.1-012825	03	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1216-08	JPP-21.1-012825	04	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1216-12	JPP-21.2-012825	05	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1216-16	JPP-26.1-012825	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1216-20	JPP-26.2-012825	07	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1218-02	BELL-25-002	08	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1219-02	LAW-25-0015	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1221-02	CHESTNUT-CONCRETE	10	100.03	2000	N/A	N/A	N/A	10.5	1.5	T-1
Q1232-04	JPP-46.2-012925	11	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1232-08	JPP-46.1-012925	12	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1232-12	JPP-42.1-012925	13	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1232-16	JPP-42.2-012925	14	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1232-20	JPP-51.1-012925	15	100.01	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q1235-04	JPP-51.2-012925	16	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1235-08	JPP-16.1-012925	17	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166356TB	LEB356	N/A	N/A	N/A	N/A	N/A	N/A
Q1215-04	JPP-29.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1215-08	JPP-29.2-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-04	JPP-18.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-08	JPP-21.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-12	JPP-21.2-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-16	JPP-26.1-012825	N/A	N/A	N/A	N/A	100	N/A
Q1216-20	JPP-26.2-012825	N/A	N/A	N/A	N/A	100	N/A
Q1218-02	BELL-25-002	N/A	N/A	N/A	N/A	100	N/A
Q1219-02	LAW-25-0015	N/A	N/A	N/A	N/A	100	N/A
Q1221-02	CHESTNUT-CONCRETE	N/A	N/A	N/A	N/A	100	N/A
Q1232-04	JPP-46.2-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-08	JPP-46.1-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-12	JPP-42.1-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-16	JPP-42.2-012925	N/A	N/A	N/A	N/A	100	N/A
Q1232-20	JPP-51.1-012925	N/A	N/A	N/A	N/A	100	N/A
Q1235-04	JPP-51.2-012925	N/A	N/A	N/A	N/A	100	N/A
Q1235-08	JPP-16.1-012925	N/A	N/A	N/A	N/A	100	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
PB166356TB	LEB356	N/A	N/A	N/A	N/A	#1	4.94
Q1215-04	JPP-29.1-012825	5.02	96.5	8.2	3.5	#1	4.94
Q1215-08	JPP-29.2-012825	5.03	96.5	9.0	4.0	#1	4.94
Q1216-04	JPP-18.1-012825	5.02	96.5	8.6	3.5	#1	4.94
Q1216-08	JPP-21.1-012825	5.01	96.5	9.0	4.0	#1	4.94
Q1216-12	JPP-21.2-012825	5.02	96.5	9.1	4.0	#1	4.94
Q1216-16	JPP-26.1-012825	5.00	96.5	8.6	3.5	#1	4.94
Q1216-20	JPP-26.2-012825	5.03	96.5	9.3	4.0	#1	4.94
Q1218-02	BELL-25-002	5.04	96.5	5.6	2.0	#1	4.94
Q1219-02	LAW-25-0015	5.03	96.5	5.5	2.5	#1	4.94
Q1221-02	CHESTNUT-CONCRETE	5.04	96.5	11.0	4.5	#1	4.94
Q1232-04	JPP-46.2-012925	5.02	96.5	7.2	2.5	#1	4.94
Q1232-08	JPP-46.1-012925	5.01	96.5	10.5	3.5	#1	4.94
Q1232-12	JPP-42.1-012925	5.02	96.5	11.5	4.5	#1	4.94
Q1232-16	JPP-42.2-012925	5.00	96.5	10.0	4.0	#1	4.94
Q1232-20	JPP-51.1-012925	5.03	96.5	9.1	3.5	#1	4.94
Q1235-04	JPP-51.2-012925	5.04	96.5	11.5	4.5	#1	4.94
Q1235-08	JPP-16.1-012925	5.05	96.5	10.5	4.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1221

WorkList ID : 187275

Department : TCLP Extraction

Date : 01-30-2025 08:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-04	JPP-29.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1215-08	JPP-29.2-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-04	JPP-18.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-08	JPP-21.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-12	JPP-21.2-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-16	JPP-26.1-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1216-20	JPP-26.2-012825	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1218-02	BELL-25-002	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/28/2025	1311
Q1219-02	LAW-25-0015	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/29/2025	1311
Q1221-02	CHESTNUT-CONCRETE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/29/2025	1311
Q1232-04	JPP-46.2-012925	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/29/2025	1311
Q1232-08	JPP-46.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1232-12	JPP-42.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1232-16	JPP-42.2-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1232-20	JPP-51.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1235-04	JPP-51.2-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311
Q1235-08	JPP-16.1-012925	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/29/2025	1311

12130

Date/Time 01/30/25 12:30

Raw Sample Received by: SO WPC

Raw Sample Relinquished by: AP SM

Date/Time 01/30/25

Raw Sample Received by: AP SM

Raw Sample Relinquished by: SO WPC

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix: Water

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date: 01/31/2025

Extraction Start Time: 10:29

Extraction End Date: 01/31/2025

Extraction End Time: 15:30

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	EP2578
Baked Na2SO4	N/A	EP2580
10N NaOH	N/A	E3874
H2SO4 1:1	N/A	EP2565
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
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 10N NaOH.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

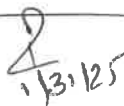
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25	RP (Ext. Lab)	RC/SVOC
15:35	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 01/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166356TB	PB166356TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-01
PB166426BL	PB166426BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB166426BS	PB166426BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1215-04	JPP-29.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1215-08	JPP-29.2-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1216-04	JPP-18.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1216-08	JPP-21.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1216-12	JPP-21.2-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1216-16	JPP-26.1-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1216-20	JPP-26.2-012825	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1218-02	BELL-25-002	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1218-02MS	BELL-25-002MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1218-02MS D	BELL-25-002MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1219-02	LAW-25-0015	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1221-02	CHESTNUT-CONCRETE	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1232-04	JPP-46.2-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1232-08	JPP-46.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		SEP-01
Q1232-12	JPP-42.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		2
Q1232-16	JPP-42.2-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		3
Q1232-20	JPP-51.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1235-04	JPP-51.2-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1235-08	JPP-16.1-012925	TCLP BNA	100	6	RUPESH	ritesh	1	A		6

* Extracts relinquished on the same date as received.



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	Pr Po
PB166356TB	LEB356	N/A	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1215-04	JPP-29.1-012825	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q1215-08	JPP-29.2-012825	02	100.03	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1216-04	JPP-18.1-012825	03	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1216-08	JPP-21.1-012825	04	100.01	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1216-12	JPP-21.2-012825	05	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1216-16	JPP-26.1-012825	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1216-20	JPP-26.2-012825	07	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1218-02	BELL-25-002	08	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1219-02	LAW-25-0015	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1221-02	CHESTNUT-CONCRETE	10	100.03	2000	N/A	N/A	N/A	10.5	1.5	T-1
Q1232-04	JPP-46.2-012925	11	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1232-08	JPP-46.1-012925	12	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1232-12	JPP-42.1-012925	13	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1232-16	JPP-42.2-012925	14	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1232-20	JPP-51.1-012925	15	100.01	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q1235-04	JPP-51.2-012925	16	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1235-08	JPP-16.1-012925	17	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

04/31/25
091-45

Prep Standard - Chemical Standard Summary

Order ID : Q1232

Test : TCLP BNA

Prepbatch ID : PB166426,

Sequence ID/Qc Batch ID: BF013125,bf020325,BF020425,

Standard ID :

EP2565,EP2578,EP2580,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6717,

Chemical ID :

10ul/1000ul

sample,E3551,E3815,E3827,E3828,E3846,E3848,E3871,E3874,M5173,S10103,S10246,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11093,S11099,S11103,S11138,S11141,S11160,S11494,S11495,S11649,S11776,S11777,S11778,S11779,S11780,S12079,S12113,S12114,S12134,S12135,S12136,S12137,S12138,S12139,S12140,S12141,S12142,S12187,S12188,S12189,S12207,S12208,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12510,S12511,S12512,S12513,S12514,S12515,S12516,S12517,S12649,S12650,S12790,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2578	01/06/2025	06/18/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3848 = Final Quantity: 16000.000 ml

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3764	8270/625 Stock solution 100 ng	SP6672	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024
<u>FROM</u>	0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
413	80 ng BNA ICC, 80 PPM	SP6673	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024
<u>FROM</u> 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = Final Quantity: 1.010 ml								

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
412	60 ng BNA ICC, 60 PPM	SP6674	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
411	50 ng BNA ICC, 50 PPM	SP6675	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
410	40 ng BNA ICC, 40 PPM	SP6676	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3678	20 ng BNA ICC, 20 PPM	SP6677	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
408	10 ng BNA ICC, 10 PPM	SP6678	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
407	5 ng BNA ICC, 5 PPM	SP6679	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
175	2.5 ng BNA ICC, 2.5 PPM	SP6680	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
171	8270/625 Spike Solution, 50/100 PPM	SP6681	11/14/2024	02/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/18/2024

FROM 0.20000ml of S12142 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.40000ml of S11776 + 0.70000ml of S11780 + 0.80000ml of S12461 + 0.80000ml of S12469 + 0.90000ml of S12510 + 1.00000ml of S12134 + 1.00000ml of S12141 + 1.20000ml of S12462 + 1.20000ml of S12463 + 1.20000ml of S12464 + 1.20000ml of S12465 + 1.20000ml of S12466 + 1.20000ml of S12467 + 1.20000ml of S12468 + 1.30000ml of S11777 + 1.30000ml of S11778 + 1.30000ml of S11779 + 1.30000ml of S12135 + 1.30000ml of S12136 + 1.30000ml of S12137 + 1.30000ml of S12138 + 1.30000ml of S12139 + 1.30000ml of S12140 + 1.30000ml of S12511 + 1.30000ml of S12512 + 1.30000ml of S12513 + 1.30000ml of S12514 + 1.30000ml of S12515 + 1.30000ml of S12516 + 1.30000ml of S12517 + 163.00000ml of E3827 = Final Quantity: 200.000 ml

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024
<u>FROM</u>	0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025
<u>FROM</u> 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	06/18/2025	12/18/2024 / Rajesh	12/09/2024 / Rajesh	E3848

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	03/13/2025	09/13/2024 / yogesh	05/18/2022 / Christian	S10393

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	05/12/2025	11/12/2024 / Jagrut	03/06/2023 / Christian	S11160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	03/13/2025	09/13/2024 / anahy	11/09/2023 / Yogesh	S11649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11776

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11777

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11778

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11779

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11780

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12134

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12135

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12136

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12137

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12138

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12139

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12140

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml, CH ₂ Cl ₂ , 5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml, CH ₂ Cl ₂ , 5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12461

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12462

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12463

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12464

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12465

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12466

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12467

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12468

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12510

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12511

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12512

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12513

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12514

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12515

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12516

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	08/03/2025	02/03/2025 / anahy	09/20/2024 / anahy	S12650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12790

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
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to
S11088

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Jacob Mulloy
Chemist

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Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG
S11084
to
S11088

*Not a certified value

Certified By: _____

Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
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S11089
to
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Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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Page 1 of 1

Catalog No.: Lot No.: **Storage:** **Solvent:** **Exp. Date:** **Description:**
Z-112090 440246 $\leq -10^{\circ}\text{C}$ Methylene Chloride 2/16/2026 CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 $\pm$ 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 $\pm$ 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 $\pm$ 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 $\pm$ 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By: _____

Erica Castiglione
Chemist



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Receivalon
02/07/23 by CG
51096
to
51099
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Date Received: _____

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Brianna Smith

Certified By: _____

Brianna Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 495831

Expiration Date: 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By:



Briana Smith
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

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Received on
03/10/22
by
CG
S10242
to
S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Pentachlorophenol CAS # 87-86-5 (Lot 211229RSR) Purity 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL Gravimetric +/- 45.7132 µg/mL Unstressed +/- 66.0037 µg/mL Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL Gravimetric +/- 45.8508 µg/mL Unstressed +/- 66.2023 µg/mL Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL Gravimetric +/- 45.9318 µg/mL Unstressed +/- 66.3193 µg/mL Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL Gravimetric +/- 45.8954 µg/mL Unstressed +/- 66.2667 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

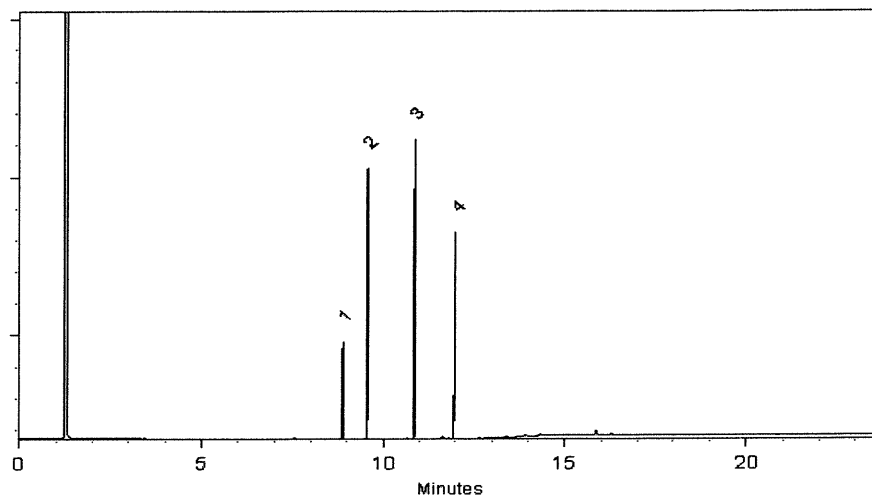
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022

Balance: B345965662

Marlene Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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Gravimetric Certificate



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Catalog No. : 555871 Lot No.: A0185300
Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2025 Storage: 10°C or colder
Ship: Ambient

Received by
CG on
05/18/22
S10393
+0
S10402

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL Gravimetric
	CAS # 100-02-7		+/- 753.2622 µg/mL Unstressed
	Purity 99%		+/- 905.6020 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Gravimetric Certificate



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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No.: 555868 Lot No.: A0186373
Description: Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: June 30, 2025 Storage: 10°C or colder
Handling: Contains carcinogen/reproductive toxin. Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 16-Jun-2022 Balance: 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Received on
02/08/23

b1

CG

S 11071

to

S 11075

Catalog No. : 31853 Lot No.: A0187043
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : July 31, 2027 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,4-Dioxane CAS # 123-91-1 Purity 99% (Lot SHBN5929)	2,019.0 µg/mL	+/- 11.8486 µg/mL Gravimetric +/- 43.2570 µg/mL Unstressed +/- 44.5129 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

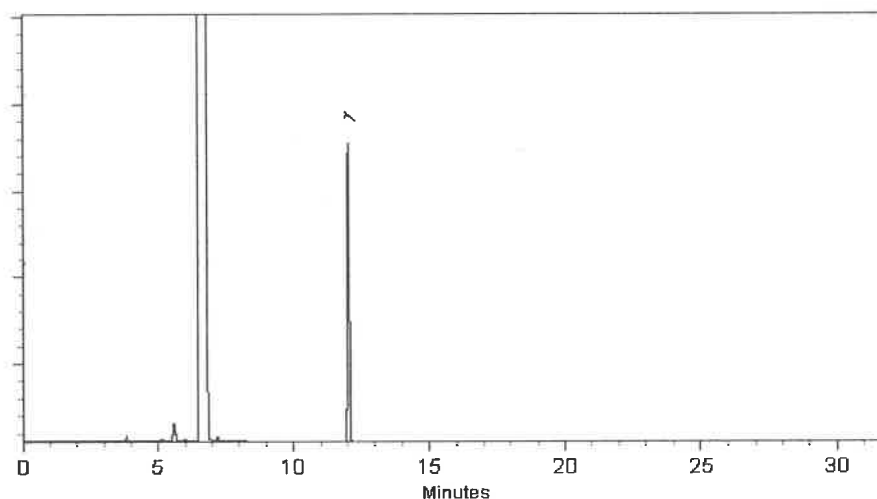
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022

Balance: 1128360905

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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Certificate of Analysis



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Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
12/28/22
S10951
FO
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

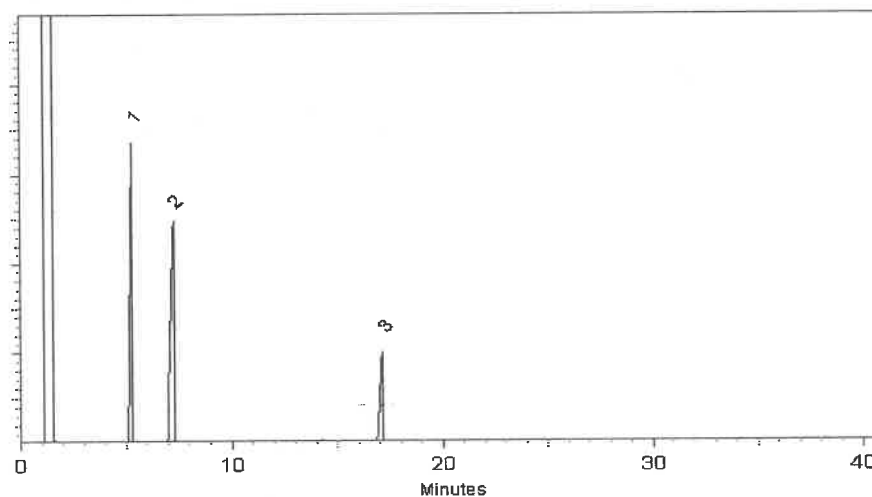
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
12/28/22
S10951
FO
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

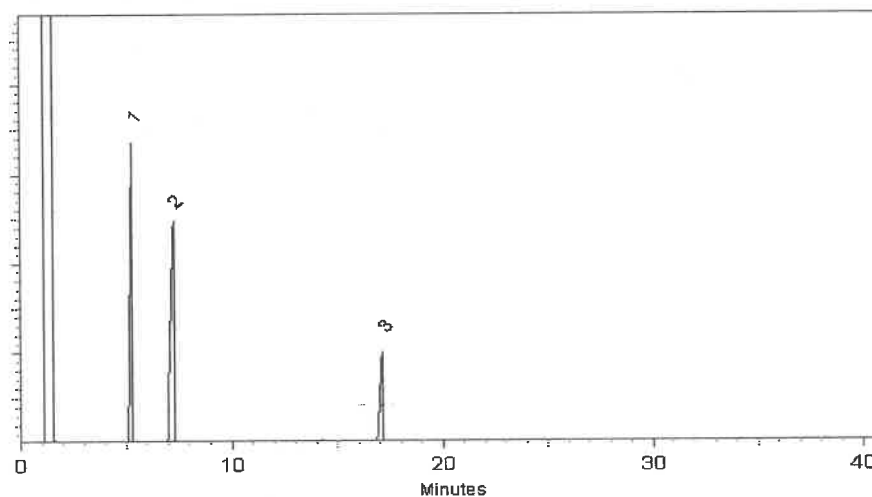
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by
CG on
12/28/22
S10951
to
S10980

Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

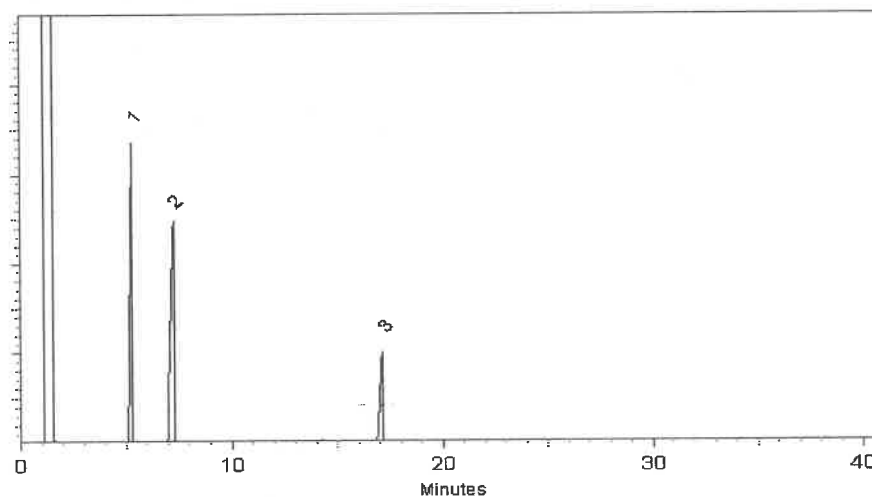
250°C

Det. Temp:

330°C

Det. Type:

FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
12/28/22
\$10981
to
S11010

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

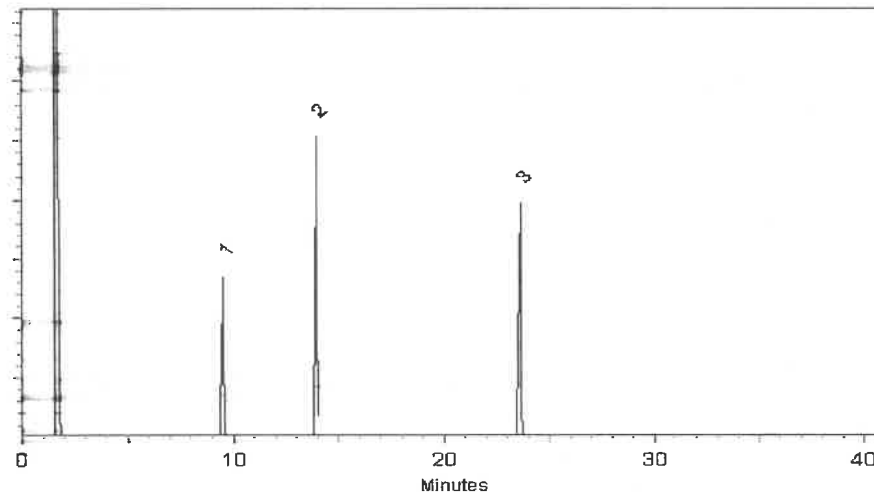
250°C

Det. Temp:

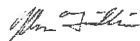
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
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to
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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

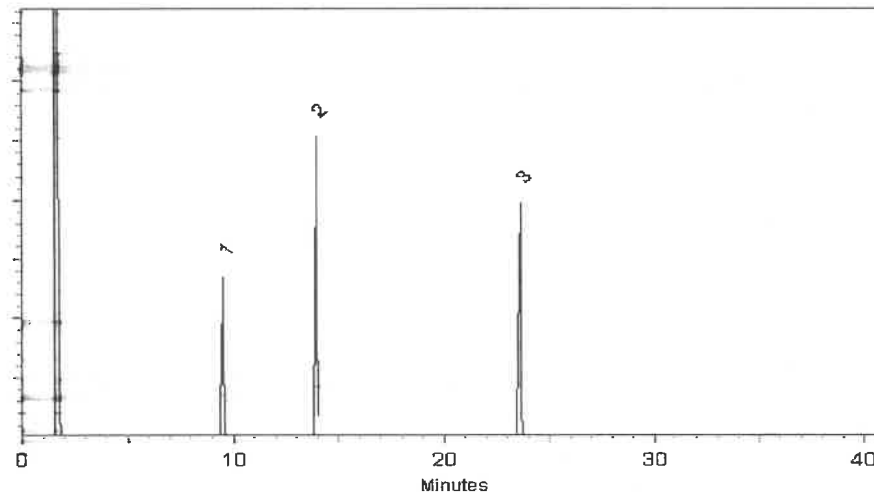
250°C

Det. Temp:

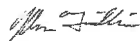
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

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to
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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

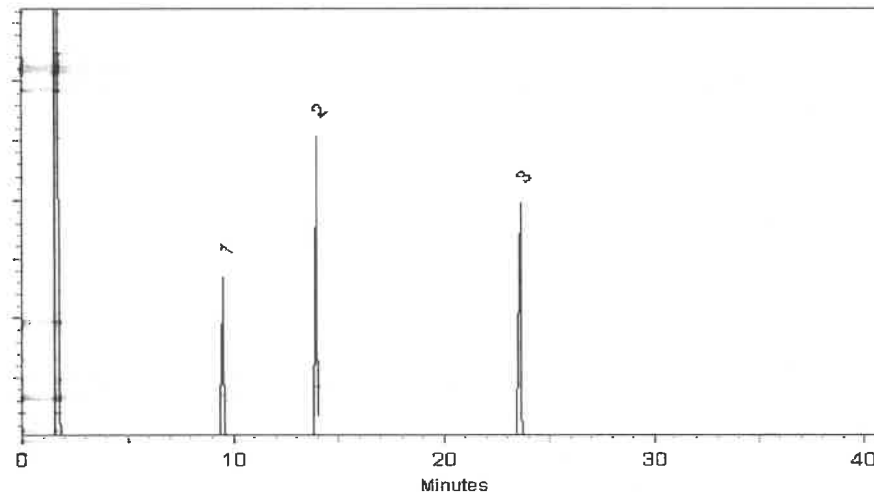
250°C

Det. Temp:

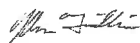
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: (814)353-1309

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Certificate of Analysis



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

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to
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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

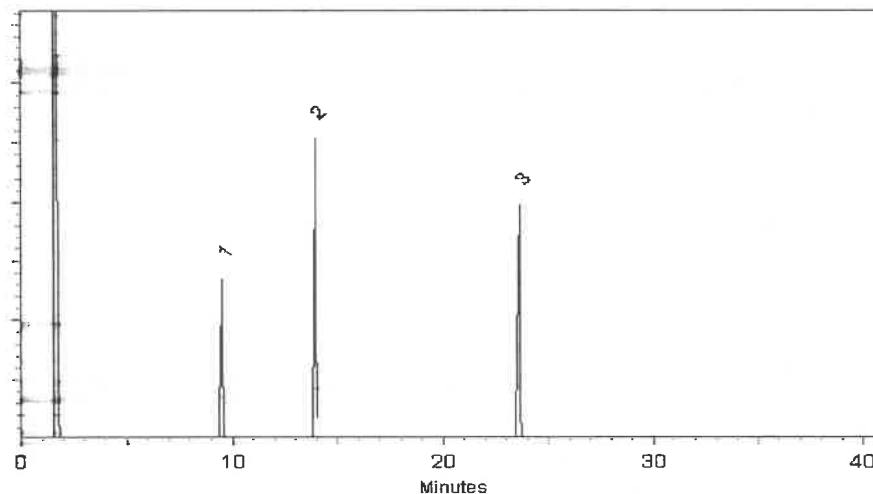
250°C

Det. Temp:

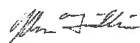
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
12/28/22
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to
S11010

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

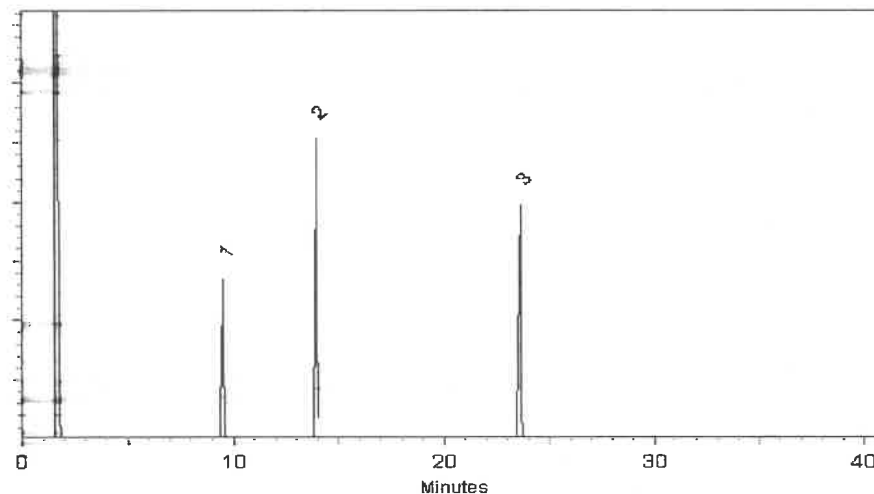
250°C

Det. Temp:

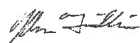
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
12/28/22
\$10981
to
S11010

CERTIFIED VALUES

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2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

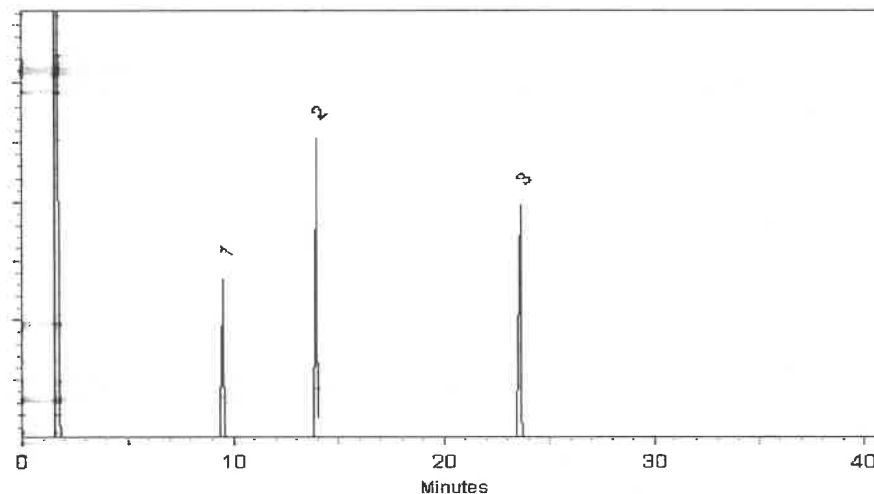
250°C

Det. Temp:

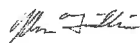
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
12/28/22
\$10981
to
S11010

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

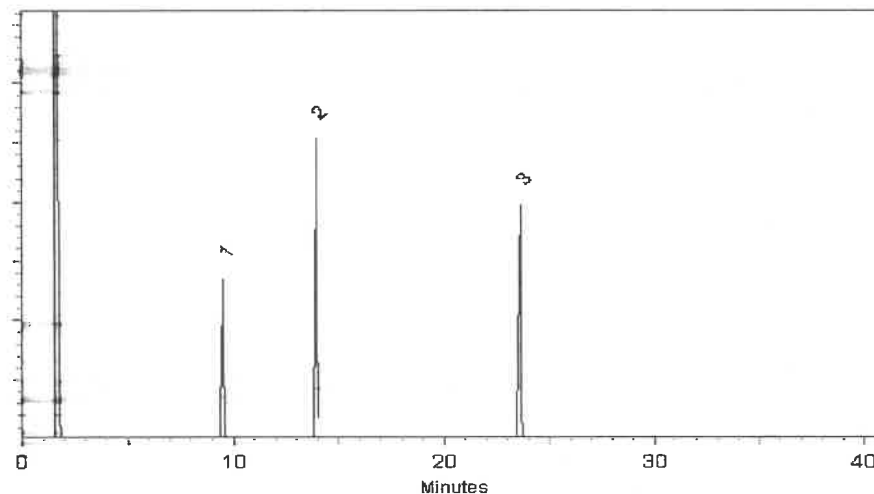
250°C

Det. Temp:

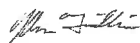
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 Lot No.: A0194698
Description : Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2026 Storage: 10°C or colder
Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek®
Registered Quality
Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,
LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A
n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the
mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure
imum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
Γ traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through
ion displayed on the product label and certificate. Contact Restek for additional opened product stability
n, with the knowledge/understanding that open product stability is subject to the specific handling and
ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with
fards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
rm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek
Registered Quality
Certificate #FM1

ified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
ty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,
LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A
n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the
mpound in solution.

isomeric compounds is reported as the sum of the isomers.

ues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

age factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure
nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through
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ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with
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des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



**PRODUCTOS
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MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 **E 3551**

RC-02-01, Ed. 3

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3827

Rec'd by RS on ~~11/8/24~~ 11/7/24

$\frac{RS}{11/7}$

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™



Material No.: 9266-A4

Batch No.: 24J0862003

Manufactured Date: 2024-09-12

Expiration Date: 2025-12-12

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3848

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

12/27/24

 **avantors**



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	0.01%

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871



Jamie Croak
Director Quality Operations, Bioscience Production

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Avantor Performance Materials, LLC

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Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



5580 Skyline Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Page 1 of 1

Catalog No.: Lot No.:	Storage:	Solvent:	Exp. Date:	Rev	Description:
Z-110094-02 506889	≤ -10 °C	Methylene Chloride	7/25/2028	0	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml
Compound		CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄		2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl		321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5		4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14		1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓ 08/11/2023
511498

*Not a certified value

Certified By: _____
Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



5580 Skyline Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Page 1 of 1

Catalog No.: Lot No.:	Storage:	Solvent:	Exp. Date:	Rev	Description:
Z-110094-02 506889	≤ -10 °C	Methylene Chloride	7/25/2028	0	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml
Compound		CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄		2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl		321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5		4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14		1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓ 08/11/2023
511498

*Not a certified value

Certified By: _____
Clint Tipton
Chemist

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110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555872 **Lot No.:** A0201728

Description: Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 } Y.P.
↓ 11/13/23
511658 }

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey
Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

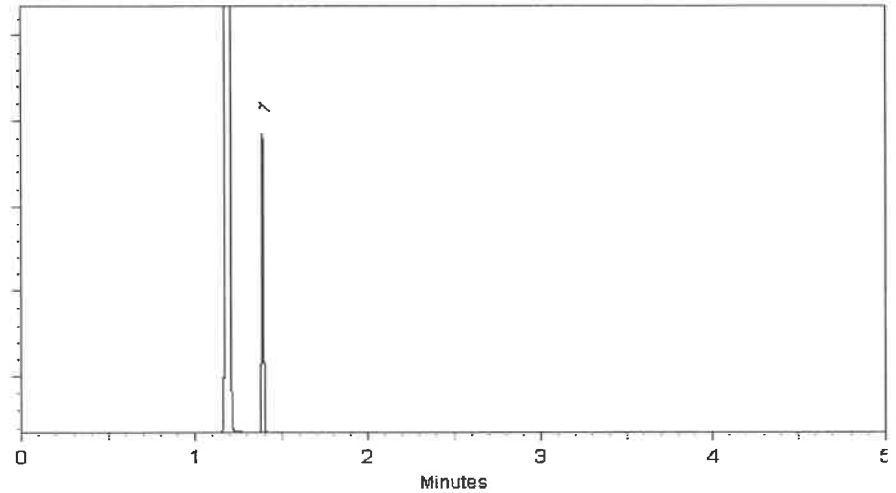
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

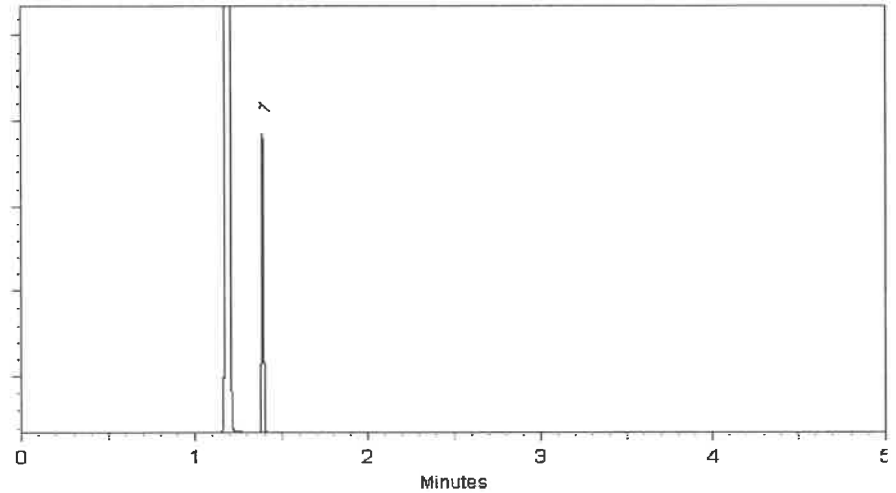
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

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Det. Temp:

340°C

Det. Type:

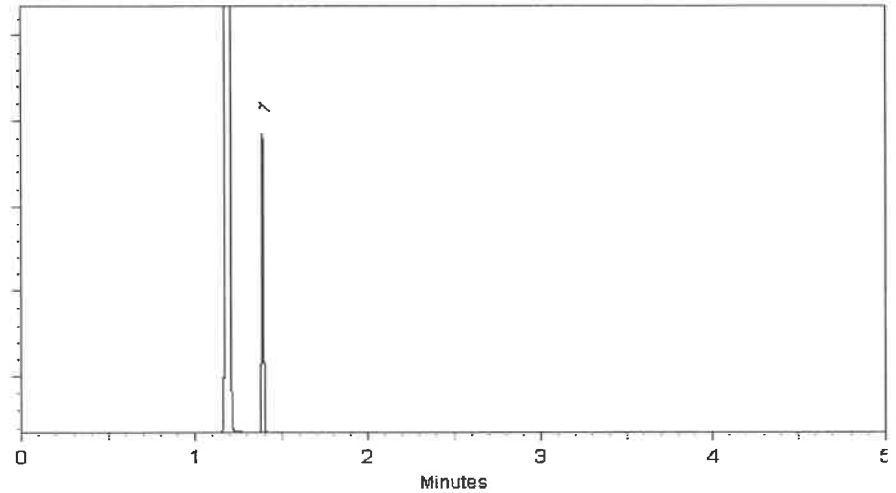
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

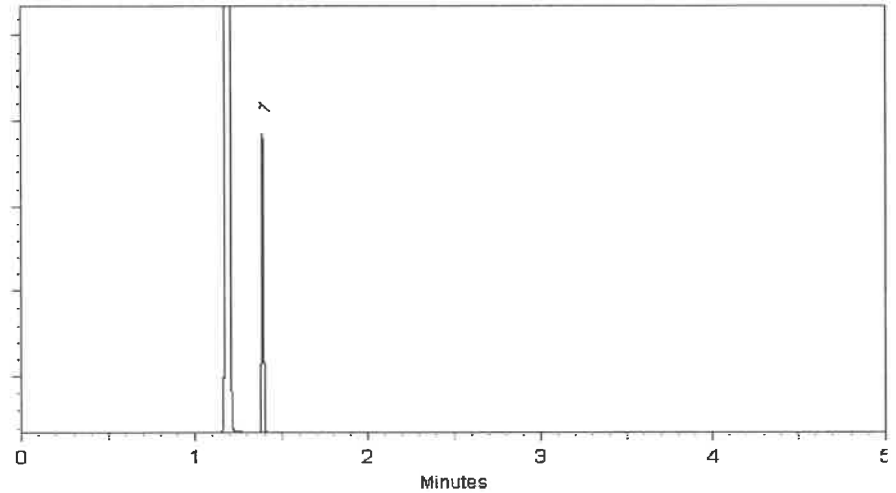
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
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S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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30m x 0.25mm x 0.25µm
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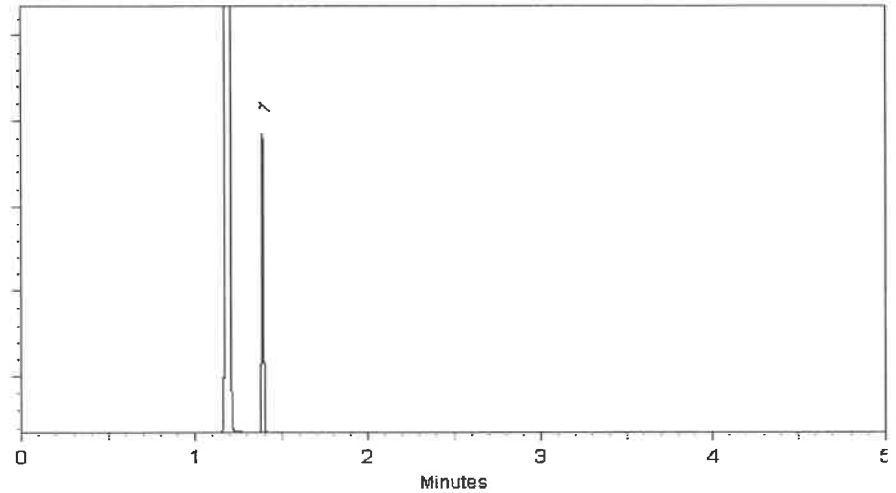
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

912075 } RC
↓
912079 } 02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403

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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:	
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL	
Compound			CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane			123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

Melissa Workoff

Melissa Workoff
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:	
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL	
Compound			CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane			123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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CERTIFIED VALUES

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1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

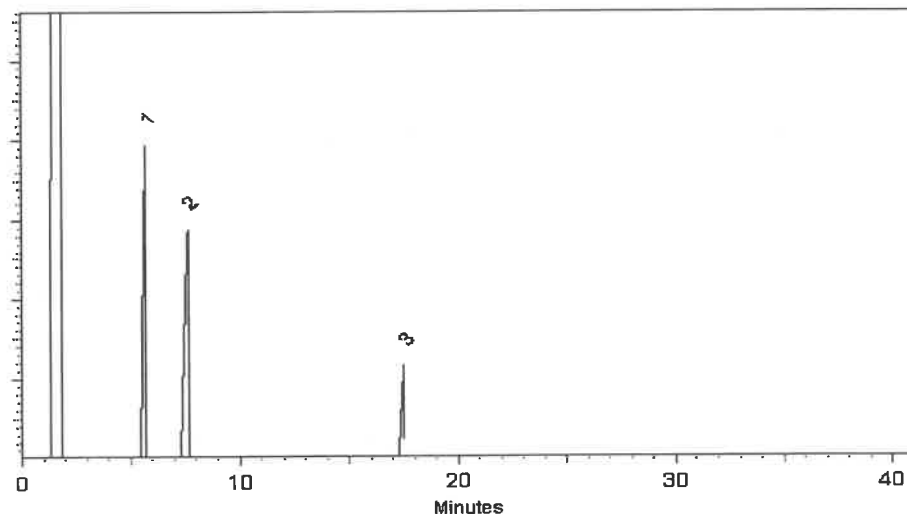
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

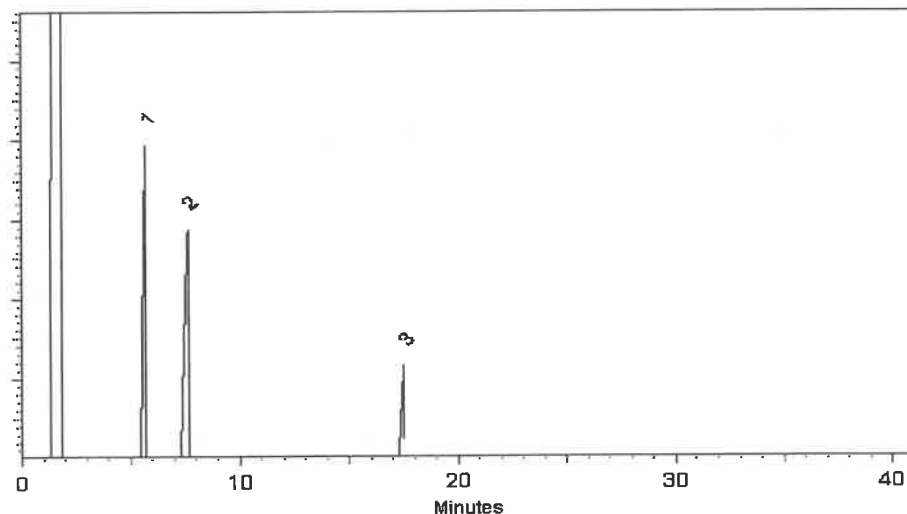
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

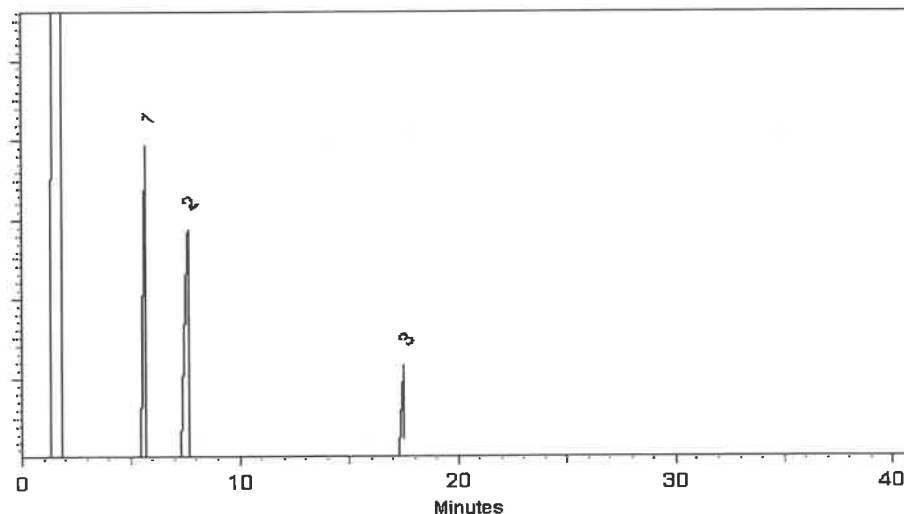
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

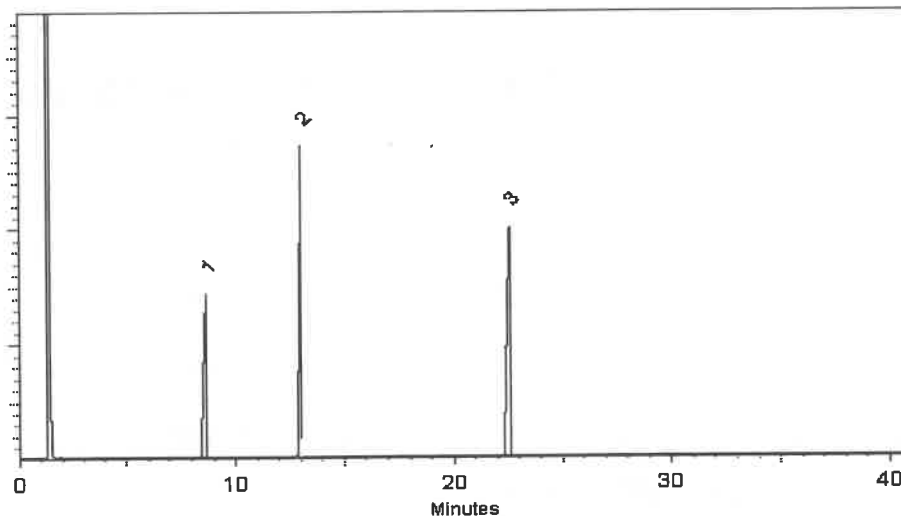
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

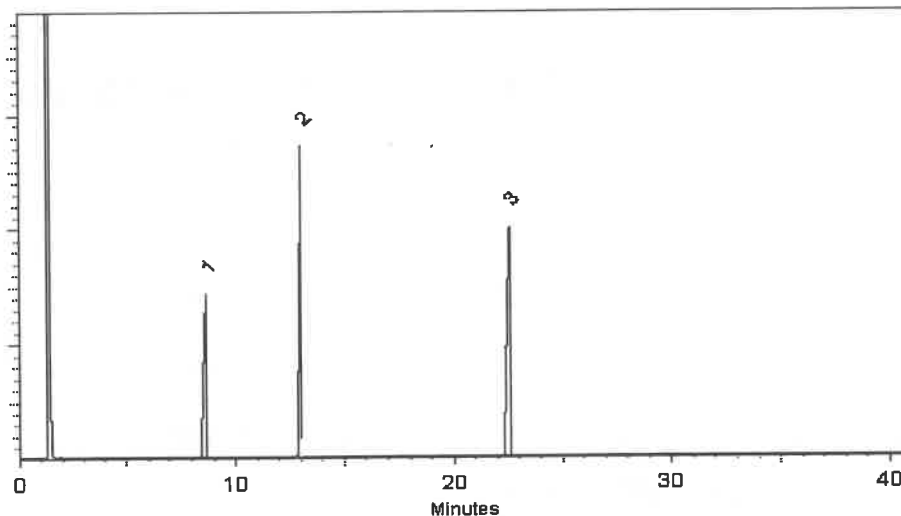
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12312 } RC/
↓ 05/30/24
S12331

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

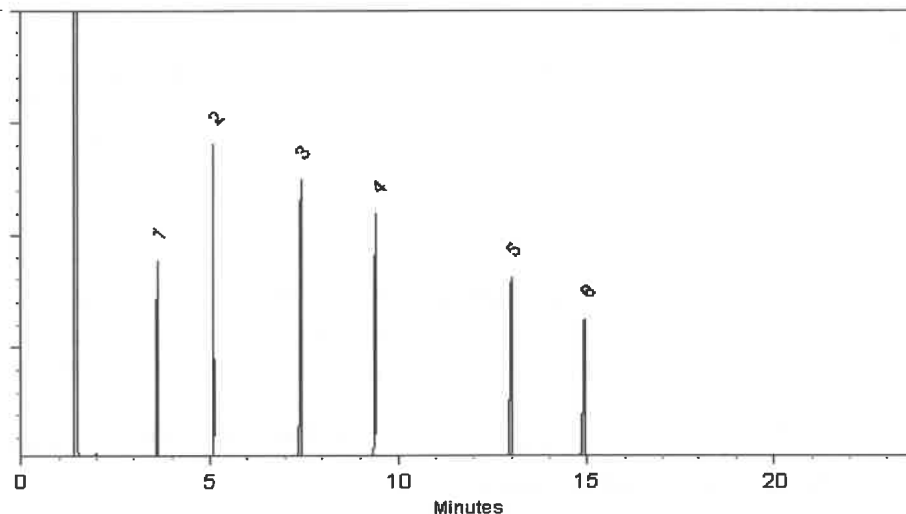
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓ 7/24/24
S12508 }

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓ 7/24/24
S12508 }

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓ 7/24/24
S12508 }

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

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gravimetric



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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

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General Certified Reference Material Notes

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

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General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

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General Certified Reference Material Notes

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓ 7/24/24
S12508 }

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
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110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~512280~~ } RCL
↓
~~512284~~ } 05/24/24

New Numbers Generated.

512790 } RCL
↓
512794 } 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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. **Q1232**
QUOTE NO.
COC Number **2041691**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **RU2 Engineering LLC**
ADDRESS: **2 Melinda Drive**
Monroe Twp, NJ 08831
CITY: _____ ZIP: _____
ATTENTION: **Rutu Manani**
PHONE: **609-409-4564** FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: **SANDTWOBR BMCR Project**
PROJECT NO.: _____ LOCATION: **Brooklyn, NYC**
PROJECT MANAGER: **Rutu Manani**
e-mail: **Rmanani@Ru2eng.com**
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: **Same as company address** PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **Standard 10 days** DAYS*
HARDCOPY (DATA PACKAGE): **Standard 10 days** DAYS*
EDD: **Standard 10 days** DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. TCL VOC+TICS
2. TCLP VOCs
3. TPH GRO-DRO
4. TCL 5Vols+TICS
5. TAL Metals
6. Pesticides PCBs
7. RCRA Characterization
8. Paint filter
9. full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICP F-OTHER	
1.	JPP-46.2-012925	Soil		G	01/29/25	9:00	3	X	X	X								
2.	JPP-46.2-012925	Soil	L		1/29/25	9:05	8			X	X	X	X	X	X	X		
3.	JPP-46.1-012925	Soil		G	1/29/25	10:10	3	X	X	X								
4.	JPP-46.1-012925	Soil	L		1/29/25	10:18	8			X	X	X	X	X	X	X		
5.	JPP-42.1-012925	Soil		G	1/29/25	11:24	3	X	X	X								
6.	JPP-42.1-012925	Soil	L		1/29/25	11:30	8			X	X	X	X	X	X	X		
7.	JPP-42.2-012925	Soil		G	1/29/25	12:24	3	X	X	X								
8.	JPP-42.2-012925	Soil	L		1/29/25	12:30	8			X	X	X	X	X	X	X		
9.	JPP-51.1-012925	Soil		G	1/29/25	14:14	3	X	X	X								
10.	JPP-51.1-012925	Soil	L		1/29/25	14:20	8			X	X	X	X	X	X	X		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. RA	DATE/TIME: 1/30/2025	RECEIVED BY: [Signature] 1045 1-30-25	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY:	Comments: Preserve extra Sample Jar for additional analysis is required.
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1-30-25	RECEIVED BY:	Page 1 of 2
			CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☐ Field Sampling
			Shipment Complete ☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1232	RUTW01	Order Date : 1/30/2025 11:55:00 AM	Project Mgr : Kiran
Client Name : RU2 Engineering, LLC		Project Name : NYCDDC SANTWOBR B	Report Type : NYS ASP B
Client Contact : Rutu Manani		Receive DateTime : 1/30/2025 11:52:00 AM	EDD Type : Excel NY
Invoice Name : RU2 Engineering, LLC		Purchase Order :	Hard Copy Date :
Invoice Contact : Rutu Manani			Date Signoff : 1/30/2025 1:25:39 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1232-01	JPP-46.2-012925	Solid	01/29/2025	09:00					
					VOCMS Group1		8260D	10 Bus. Days	
Q1232-05	JPP-46.1-012925	Solid	01/29/2025	10:10					
					VOCMS Group1		8260D	10 Bus. Days	
Q1232-09	JPP-42.1-012925	Solid	01/29/2025	11:24					
					VOCMS Group1		8260D	10 Bus. Days	
Q1232-13	JPP-42.2-012925	Solid	01/29/2025	12:24					
					VOCMS Group1		8260D	10 Bus. Days	
Q1232-17	JPP-51.1-012925	Solid	01/29/2025	14:14					
					VOCMS Group1		8260D	10 Bus. Days	

Relinquished By :

Date / Time :


1/30/25 17:00

Received By :

Date / Time :


1-30-25-17:00

Storage Area : VOA Refridgerator Room

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1232	RUTW01	Order Date : 1/30/2025 11:55:00 AM	Project Mgr : Kiran
Client Name : RU2 Engineering, LLC		Project Name : NYCDDC SANTWOBR B	Report Type : NYS ASP B
Client Contact : Rutu Manani		Receive DateTime : 1/30/2025 11:52:00 AM	EDD Type : Excel NY
Invoice Name : RU2 Engineering, LLC		Purchase Order :	Hard Copy Date :
Invoice Contact : Rutu Manani			Date Signoff : 1/30/2025 1:25:39 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1232-01	JPP-46.2-012925	Solid	01/29/2025	09:00					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-05	JPP-46.1-012925	Solid	01/29/2025	10:10					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-09	JPP-42.1-012925	Solid	01/29/2025	11:24					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-13	JPP-42.2-012925	Solid	01/29/2025	12:24					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-17	JPP-51.1-012925	Solid	01/29/2025	14:14					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinquished By :

Date / Time : 1/30/25 17:00

Received By :

Date / Time : 1-30-25 17:00

Storage Area : VOA Refridgerator Room